HENRY PHIPPS PLAZA SOUTH (PARCEL 1)
325 EAST 25TH STREET (BLOCK 931, LOT 17)
MANHATTAN, NEW YORK
NYCOER PROJECT 15CVCP032M

REMEDIAL ACTION REPORT

SUBMITTED TO:

New York City Office of Environmental Remediation
E-Designation Program
100 Gold Street, 2nd Floor
New York, New York 10038

PREPARED FOR:

Henry Phipps Plaza South HDFC
902 Broadway, 13th Floor
New York, New York 10010

PREPARED BY:

P.W. Grosser Consulting, Inc.
630 Johnson Avenue, Suite 7
Bohemia, New York 11716
Phone: 631-589-6353
Fax: 631-589-8705

James P. Rhodes, CPG, Sr. Principal jimr@pwgrosser.com
Thomas Melia, Sr. Project Manager thomasm@pwgrosser.com

PWGC Project Number: PHG1301

FEBRUARY 2016

HENRY PHIPPS PLAZA SOUTH

(PARCEL 1)

MANHATTAN, NEW YORK

Remedial Action Report

NYC VCP Number: 15CVCP032M

NYC E-Designation Number: 14RHAZ082M

Prepared for:

Henry Phipps Plaza South HDFC

902 Broadway, 13th Floor

New York, New York 10010

Prepared by:

P.W. Grosser Consulting, Inc.

630 Johnson Avenue, Suite 7

Bohemia, New York 11716

FEBRUARY 2016

REMEDIAL ACTION REPORT
TABLE OF CONTENTS

FIGURES

TABLES

APPENDICES

LIST OF ACRONYMS

Acronym	Definition
CAMP	Community Air Monitoring Plan
DER-10	NYS DEC Division of Environmental Remediation Technical Guidance Manual 10
EC	Engineering Control
HASP	Health and Safety Plan
IC	Institutional Control
NYC VCP	New York City Voluntary Cleanup Program
NYC DEP	New York City Department of Environmental Protection
NYC DOHMH	New York City Department of Health and Mental Hygiene
NYC OER	New York City Office of Environmental Remediation
ORC	Oxygen Release Compound
PID	Photoionization Detector
QA/QC	Quality Assurance/Quality Control
QEP	Qualified Environmental Professional
RAR	Remedial Action Report
RAWP	Remedial Action Work Plan
SCG	Standards, Criteria and Guidance
SCO	Soil Cleanup Objective
SMMP	Soil/Materials Management Plan
SMP	Site Management Plan
SVOCs	Semi-Volatile Organic Compounds
UST	Underground Storage Tank
VOCs	Volatile Organic Compounds

CERTIFICATION

I, David Hermantin, PE, certify to the following:

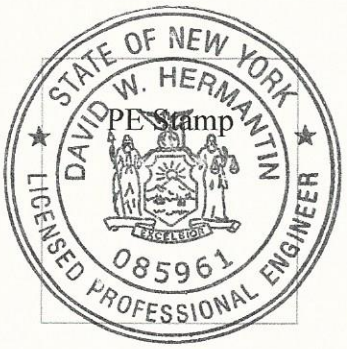
- I am currently a registered professional engineer licensed by the State of New York.
- I performed professional engineering services and had primary direct responsibility for implementation of the remedial program for the Henry Phipps Plaza South (Parcel 1) Site (325 East 25th Street), site number 15CVCP032M.
- I have reviewed this document, to which my signature and seal are affixed.
- Engineering Controls implemented during this remedial action were designed by me or a person under my direct supervision and achieve the goals established in the Remedial Action Work Plan for this site.
- The Engineering Controls constructed during this remedial action were professionally observed by me or by a person under my direct supervision and (1) are consistent with the Engineering Control design established in the Remedial Action Work Plan and (2) are accurately reflected in the text and drawings for as-built design reported in this Remedial Action Report.
- The OER-approved Remedial Action Work Plan dated September 2013 and Stipulations in a letter dated January 30, 2015 were implemented and that all requirements in those documents have been substantively complied with.
- Contaminated soil, fill, liquids or other material from the property were taken to facilities licensed to accept this material in full compliance with applicable laws and regulations.

Name DAVID W. HERMANTIN

PE License Number 085961

Signature

Date 3/1/2016



PE Stamp

EXECUTIVE SUMMARY

Site Location and Prior Usage

The Site is located at 325 East 25th Street in the Kips Bay section of Manhattan, New York and is identified as Block 931 and Lot 17 on the New York City Tax Map.

The Site is 9,275-square feet and is bounded by a 14-story residential building (444-458 2nd Avenue) to the north, East 25th Street to the south, a surface parking lot which is accessory to a 25-story NYU Dormitory building (334 East 26th Street) to the east, and a 5-story residential building (319-321 East 25th Street) to the west. Previously, the western half of the Site was a playground and the eastern half of the site was used as storage for a nursery/landscaping company; the property was completely paved, but contained no buildings or other permanent improvements.

Summary of Redevelopment Plan

The use of the Site will consist of a nine-story residential building (approx. total gross square footage of 53,600 square feet). There will be a full basement beneath the central and southeastern portion of the building footprint, with crawl spaces beneath the western and northeastern portion of the building footprint. The building contains approximately 56 residential units. The footprint of the building encompasses approximately two-thirds of the property; the rear third of the property not covered by the building footprint will be used as outdoor passive recreation communal space. The partial basement will be used for utility/machinery space and storage. Construction of the basement required excavation to a depth of approximately 12 feet below ground surface (bgs) for areas with a full basement, and approximately six feet bgs for areas with crawl spaces. Additional limited excavation was required to approximately 10 feet below grade in the rear courtyard area for the installation of a detention tank. The current zoning designation is R8 Residential. The planned use is consistent with existing zoning for the property.

Summary of Past Uses of Site

Merritt Engineering Consultants, PC (MEC) prepared a Phase I ESA for the site in May 2007; PWGC prepared a Phase I ESA Update in November 2007. Based on the MEC and PWGC reports, the property has been developed since at least the late 1800s. Based on review of Sanborn Maps and Historical City Directories, since at least 1890 through at least 1963, the property has been utilized for various commercial uses, as detailed below. Note that, historically, addresses associated with the subject property have included 323 to 329 East 25th Street.

Sanborn Map Review

- 1890 to 1899: The subject property appears to be improved with four buildings. The building located at 323 East 25th Street is identified as "Provisions". The use of the other buildings is unknown.
- 1910: The properties located at 325-329 East 25th Street are improved with buildings utilized as stores and dwellings. The buildings are identified as 3-4 stories with basements. The property identified as 323 East 25th Street is utilized as a 2-story stable, and identified as "Express".
- 1929: The property located at 329 East 25th Street was utilized as a 4-story dwelling with a basement. The property identified as 323 East 25th Street remains a 2-story stable, identified as "Express". The property at 325-327 East 25th Street was improved with a 3-story building with a basement. The first floor was utilized as an automobile garage.
- 1950: The property located at 329 East 25th Street remains a 4-story dwelling with a basement. The property at 325-327 East 25th Street remained a 3-story building, which was vacant. The property identified as 323 East 25th Street was improved with a 2-story building that was utilized as an auto body repair shop on the 1st floor, and was vacant on the second floor.
- 1968 to 1996: The subject property appears to be vacant.

Historical City Directory Review

- 1923-1927: NY Metal Goods

- 1927: Bilt Well Sign System Elec Inc.
- 1950-1958: M&H Auto Body Repair Co
- 1956-1963: Various photography companies
- 1927-1942: NY Linen Supply and Laundry
- 1956-1963: QT McGovern Trucking Co., Inc.

Based on the Phase I ESA, Phase II ESA, and Remedial Investigation prepared for the site, no specific areas of concern (AOC) have been identified.

Summary of Environmental Findings

1. Elevation of the property is approximately 22 feet above mean sea level.
2. Depth to groundwater is approximately 11 to 12 feet below grade at the Site.
3. Regional groundwater flow is generally from west to east beneath the Site.
4. Depth to bedrock ranges from approximately five to at least 15 feet at the Site.
5. The stratigraphy of the site, from the surface down, consists of approximately 10 feet of fill material, underlain by at least five feet of sandy soils which appeared to be native material, underlain by bedrock.
6. Soil/fill samples collected during the RI showed SVOC and lead impact in the vicinity of boring B-1 in the northwestern portion of the site in excess of Restricted Residential SCOs. SVOC, barium and lead impact in excess of Restricted Residential SCOs was identified beneath the northern portion of the site at location SB002.
7. Groundwater samples collected during the RI showed metals impact beneath the site; however, metals detected (iron, magnesium, manganese, and sodium) are commonly found in groundwater as a result of the chemical composition of the aquifer soils.
8. Soil vapor samples collected during the RI did not identify VOC impact in excess of NYSDOH AGVs; compounds for which NYSDOH has created decision matrices were not detected.

Summary of the Remedial Action

A Pre-Application Meeting was held August 14, 2013. A Remedial Investigation (RI) was performed and a Remedial Investigation Report was prepared in September 2013. A Remedial Action Work Plan (RAWP) was prepared September 2013. An Application Fact Sheet was released announcing a 30-day public comment period on the RAWP October 9, 2014. The RAWP and Stipulation List dated October 2014 was approved by the New York City Office of Environmental Remediation November 8, 2014. A Pre-Construction Meeting was held September 25, 2014. A Fact Sheet providing notice of the start of the Remedial Action was issued November 2014. Remedial Action was begun in December 2014 and completed in August 2015.

The Remedial Action consisted of the following elements:

1. Prepared a Community Protection Statement and implemented a Citizen Participation Plan.
2. Performed a Community Air Monitoring Program for particulates and volatile organic carbon compounds.
3. Established Track 4 Site Specific Soil Cleanup Objectives (SCO's). Collected and analyzed end-point samples. Achieved Track 4 Site Specific SCOs for soil at the Site.
4. Mobilized on site in December 2014 and established Site security, equipment mobilization, utility mark outs and marking & staking excavation areas.
5. Soil/fill was excavated to depths as follows:
    a. Up to approximately 12 feet bgs beneath the portion of the new building with a full basement, with limited excavation to 15 feet bgs for the installation of an ejector pit.
    b. Up to 6 feet bgs beneath the portion of the new building with crawl spaces.
    c. Approximately two feet bgs in the rear courtyard area, with limited excavation to 10 feet bgs for installation of a detention tank.
6. A total of 4651.06 tons of soil/fill was excavated and removed from the property. Soil/fill was disposed at the following facilities:
    a. 1,656.04 tons (contaminated non-hazardous soil/fill) to Bayshore Soil Management, LLC of Northampton, Pennsylvania

   b. 2,632.56 tons (contaminated non-hazardous soil/fill) to the Former NJ Zinc Site in Palmerton, Pennsylvania
   c. 362.46 tons (contaminated non-hazardous soil/fill) to P Park NJ, LLC of Prospect Park, New Jersey

7. Removed one 500 gallon fuel oil underground storage tank and remediated petroleum contaminated wastes (residual water within the tank) in compliance with applicable laws and regulations. No evidence of a release from the UST was identified.
8. All excavated soil/fill material was screened during intrusive work for indications of contamination by visual means, odor, and monitoring with a photoionization detector (PID).
9. Sampled and analyzed excavated media as required by disposal facilities. Appropriately segregated excavated media onsite prior to disposal.
10. Transported and disposed all soil/fill material at permitted facilities in accordance with applicable laws and regulations for handling, transport, and disposal, and the RAWP.
11. Constructed an engineered Composite Cover System to prevent human exposure to residual soil/fill remaining under the Site. The Composite Cover System consists of the following:
    a. A minimum 12-inch thick reinforced slab beneath the building footprint.
    b. A minimum 4-inch thick reinforced concrete slab in the rear courtyard area.
    c. A minimum of two feet of clean fill material in landscaped portions of the rear courtyard area.
12. Installed a Vapor Barrier System that consisted of placement of Grace Preprufe 300R 46-mil high-density polyethylene (HDPE) beneath the footprint of the building (excluding under the footings and foundation walls) and Bituthene 3000 62-mil self-adhesive rubber/bitumen polyethylene membrane on the foundation sidewalls. The Bituthene and Preprufe were sealed to the building footing using a combination of Preprufe Tape and liquid membrane. Penetrations through the slab were sealed with a combination of Preprufe Tape and liquid membrane. The contractor for construction of the Vapor Barrier System was Eurocraft Contracting.
13. Imported approximately 940 tons of clean material for backfill and cover in compliance with this plan and in accordance with applicable laws and regulations.

14. Implemented storm-water pollution prevention measures in compliance with applicable laws and regulations.
15. Performed all activities required for the Remedial Action, including permitting requirements and pretreatment requirements, in compliance with applicable laws and regulations.
16. Residual materials are present beneath the cover layer and will be subject to Site Management under this Remedial Action.
17. Submitted a Sustainability Report.
18. Submitted a RAR that describes the Remedial Action, certifies that the remedial requirements defined in the Remedial Action Work Plan have been achieved; defines the Site boundaries; describes all Engineering and Institutional Controls applicable to the Site; and describes any changes from the RAWP.
19. Submitted a Site Management Plan (SMP) for long-term management of residual soil, including plans for operation, maintenance, inspection and certification of the performance of Engineering Controls and Institutional Controls. Results of inspections and certification of performance of all Engineering Controls and Institutional Controls will be included in an Inspection and Certification Letter Report to be submitted by July 30, 2021 (for the reporting period calendar years 2016-2020), July 30, 2026 (for the reporting period calendar years 2021-2025) and every five years thereafter (for the reporting period consisting of the five prior calendar years).
20. The property will continue to be registered with a Restrictive Declaration by the NYC Department of Buildings. Engineering Controls and Institutional Controls will be managed in compliance with the SMP. Institutional Controls will include prohibition of the following: (1) prohibition of vegetable gardening and farming in residual soil; (2) prohibition of the use of groundwater beneath the site without treatment rendering it safe for the intended use; (3) prohibition of disturbance of residual soil material unless it is conducted in accordance with the SMP; and (4) prohibition of higher levels of land usage than the restricted residential uses addressed by this remedial action without prior notification and approval by OER.

1.0 SITE BACKGROUND

Henry Phipps Plaza HDFC has enrolled in the New York City Voluntary Cleanup Program (NYC VCP) to investigate and remediate a property located at 325 East 25th Street in the Kips Bay section of Manhattan, New York. The boundary of the property subject to this Remedial Action is shown in Figure 1 and includes, in their entirety, Manhattan Block 931 and Lot 17.

The Remedial Action was performed pursuant to the OER-approved RAWP in a manner that has rendered the property protective of public health and the environment consistent with its intended use. This RAR describes the remedial action performed under the RAWP. The remedial action described in this document provides for the protection of public health and the environment, complies with applicable environmental standards, criteria and guidance and applicable laws and regulations.

1.1 Site Location and Prior Usage

The Site is located at 325 East 25th Street in the Kips Bay section of Manhattan, New York and is identified as Block 931 and Lot 17 on the New York City Tax Map. **Figure 1** shows the Site location.

The Site is 9,275-square feet and is bounded by a 14-story residential building (444-458 2nd Avenue) to the north, East 25th Street to the south, a surface parking lot which is accessory to a 25-story NYU Dormitory building (334 East 26th Street) to the east, and a 5-story residential building (319-321 East 25th Street) to the west. A map of the site boundary is shown in **Figure 2**. Previously, the western half of the Site was a playground and the eastern half of the site was used as storage for a nursery/landscaping company; the property was completely paved, but contained no buildings or other permanent improvements.

1.2 Redevelopment Plan

The use of the Site will consist of a nine-story residential building (approx. total gross square footage of 53,600 square feet). There will be a full basement beneath the central and southeastern portion of the building footprint, with crawl spaces beneath the western and northeastern portion of the building footprint. The building contains approximately 56

residential units. The footprint of the building encompasses approximately two-thirds of the property; the rear third of the property not covered by the building footprint will be used as outdoor passive recreation communal space. The partial basement will be used for utility/machinery space and storage. Construction of the basement required excavation to a depth of approximately 12 feet below ground surface (bgs) for areas with a full basement, and approximately six feet bgs for areas with crawl spaces. Additional limited excavation was required to approximately 10 feet below grade in the rear courtyard area for the installation of a detention tank. The current zoning designation is R8 Residential. The planned use is consistent with existing zoning for the property.

1.3 Description of Surrounding Property

The area surrounding the subject property is comprised of a mix of residential and commercial properties. One sensitive receptor is located adjacent to the subject property. The Acorn School (330 East 26th Street), a day care center is located adjacent to the north. Two additional sensitive receptors are located in close proximity (within 0.1 mile) to the subject property. Nearby sensitive receptors in the vicinity of the site include two hospitals: Bellevue Hospital Center (462 First Avenue, 0.1 mile east), and Veterans Administration NY Harbor Healthcare System Manhattan Campus (423 East 23rd Street, 0.1 mile southeast).

1.4 Remedial Investigation

1. Elevation of the property is approximately 22 feet above mean sea level.
2. Depth to groundwater is approximately 11 to 12 feet below grade at the Site.
3. Regional groundwater flow is generally from west to east beneath the Site.
4. Depth to bedrock ranges from approximately five to at least 15 feet at the Site.
5. The stratigraphy of the site, from the surface down, consists of approximately 10 feet of fill material, underlain by at least five feet of sandy soils which appeared to be native material, underlain by bedrock.

6. Soil/fill samples collected during the RI showed SVOC and lead impact in the vicinity of boring B-1 in the northwestern portion of the site in excess of Restricted Residential SCOs. SVOC, barium and lead impact in excess of Restricted Residential SCOs was identified beneath the northern portion of the site at location SB002.

7. Groundwater samples collected during the RI showed metals impact beneath the site; however, metals detected (iron, magnesium, manganese, and sodium) are commonly found in groundwater as a result of the chemical composition of the aquifer soils.

8. Soil vapor samples collected during the RI did not identify VOC impact in excess of NYSDOH AGVs; compounds for which NYSDOH has created decision matrices were not detected.

2.0 DESCRIPTION OF REMEDIAL ACTIONS

The Remedial Action was performed pursuant to the OER-approved RAWP in a manner that has rendered the property protective of public health and the environment consistent with its intended use. This RAR describes the remedial action performed under the RAWP. The remedial action described in this document provides for the protection of public health and the environment, complies with applicable environmental standards, criteria and guidance and applicable laws and regulations.

The remedial action was evaluated in an alternatives analysis and was determined by OER to be protective of human health and the environment, compliant with standards, criteria, and guidelines (SCGs), effective in the short-term, effective in the long-term, capable of attaining appropriate levels of reduction of toxicity, mobility, or volume of contaminated material, implementable, cost effective, acceptable to the community, consistent with land uses, and sustainable.

A general summary of the Remedial Action is as follows:

A Pre-Application Meeting was held August 14, 2013. A Remedial Investigation (RI) was performed and a Remedial Investigation Report was prepared in September 2013. A Remedial Action Work Plan (RAWP) was prepared September 2013. An Application Fact Sheet was released announcing a 30-day public comment period on the RAWP October 9, 2014. The RAWP and Stipulation List dated October 2014 was approved by the New York City Office of Environmental Remediation November 8, 2014. A Pre-Construction Meeting was held September 25, 2014. A Fact Sheet providing notice of the start of the Remedial Action was issued November 2014. Remedial Action was begun in December 2014 and completed in August 2015.

The following Remedial Actions were completed in this program:

1. Prepared a Community Protection Statement and implemented a Citizen Participation Plan.
2. Performed a Community Air Monitoring Program for particulates and volatile organic carbon compounds.
3. Established Track 4 Site Specific Soil Cleanup Objectives (SCO's). Collected and analyzed end-point samples. Achieved Track 4 Site Specific SCOs for soil at the Site.
4. Mobilized on site in December 2014 and established Site security, equipment mobilization, utility mark outs and marking & staking excavation areas.
5. Soil/fill was excavated to depths as follows:
    a. Up to approximately 12 feet bgs beneath the portion of the new building with a full basement, with limited excavation to 15 feet bgs for the installation of an ejector pit.
    b. Up to 6 feet bgs beneath the portion of the new building with crawl spaces.
    c. Approximately two feet bgs in the rear courtyard area, with limited excavation to 10 feet bgs for installation of a detention tank.
6. A total of 4651.06 tons of soil/fill was excavated and removed from the property. Soil/fill was disposed at the following facilities:
    d. 1,656.04 tons (contaminated non-hazardous soil/fill) to Bayshore Soil Management, LLC of Northampton, Pennsylvania
    e. 2,632.56 tons (contaminated non-hazardous soil/fill) to the Former NJ Zinc Site in Palmerton, Pennsylvania
    f. 362.46 tons (contaminated non-hazardous soil/fill) to P Park NJ, LLC of Prospect Park, New Jersey
7. Removed one 500 gallon fuel oil underground storage tank and remediated petroleum contaminated wastes (residual water within the tank) in compliance with applicable laws and regulations. No evidence of a release from the UST was identified.
8. All excavated soil/fill material was screened during intrusive work for indications of contamination by visual means, odor, and monitoring with a photoionization detector (PID).
9. Sampled and analyzed excavated media as required by disposal facilities. Appropriately segregated excavated media onsite prior to disposal.

10. Transported and disposed all soil/fill material at permitted facilities in accordance with applicable laws and regulations for handling, transport, and disposal, and the RAWP.
11. Constructed an engineered Composite Cover System to prevent human exposure to residual soil/fill remaining under the Site. The Composite Cover System consists of the following:
    a. A minimum 12-inch thick reinforced slab beneath the building footprint.
    b. A minimum 4-inch thick reinforced concrete slab in the rear courtyard area.
    c. A minimum of two feet of clean fill material in landscaped portions of the rear courtyard area.
12. Installed a Vapor Barrier System that consisted of placement of Grace Preprufe 300R 46-mil high-density polyethylene (HDPE) beneath the footprint of the building (excluding under the footings and foundation walls) and Bituthene 3000 62-mil self-adhesive rubber/bitumen polyethylene membrane on the foundation sidewalls. The Bituthene and Preprufe were sealed to the building footing using a combination of Preprufe Tape and liquid membrane. Penetrations through the slab were sealed with a combination of Preprufe Tape and liquid membrane. The contractor for construction of the Vapor Barrier System was Eurocraft Contracting.
13. Imported approximately 940 tons of clean material for backfill and cover in compliance with this plan and in accordance with applicable laws and regulations.
14. Implemented storm-water pollution prevention measures in compliance with applicable laws and regulations.
15. Performed all activities required for the Remedial Action, including permitting requirements and pretreatment requirements, in compliance with applicable laws and regulations.
16. Residual materials are present beneath the cover layer and will be subject to Site Management under this Remedial Action.
17. Submitted a Sustainability Report.
18. Submitted a RAR that describes the Remedial Action, certifies that the remedial requirements defined in the Remedial Action Work Plan have been achieved; defines the Site boundaries; describes all Engineering and Institutional Controls applicable to the Site; and describes any changes from the RAWP.

19. Submitted a Site Management Plan (SMP) for long-term management of residual soil, including plans for operation, maintenance, inspection and certification of the performance of Engineering Controls and Institutional Controls. Results of inspections and certification of performance of all Engineering Controls and Institutional Controls will be included in an Inspection and Certification Letter Report to be submitted by July 30, 2021 (for the reporting period calendar years 2016-2020), July 30, 2026 (for the reporting period calendar years 2021-2025) and every five years thereafter (for the reporting period consisting of the five prior calendar years).
20. The property will continue to be registered with a Restrictive Declaration by the NYC Department of Buildings. Engineering Controls and Institutional Controls will be managed in compliance with the SMP. Institutional Controls will include prohibition of the following: (1) prohibition of vegetable gardening and farming in residual soil; (2) prohibition of the use of groundwater beneath the site without treatment rendering it safe for the intended use; (3) prohibition of disturbance of residual soil material unless it is conducted in accordance with the SMP; and (4) prohibition of higher levels of land usage than the restricted residential uses addressed by this remedial action without prior notification and approval by OER.

3.0 COMPLIANCE WITH REMEDIAL ACTION WORK PLAN

3.1 Health & Safety Plan

The remedial construction activities performed under this program were in compliance with the Health and Safety Plan and applicable laws and regulations.

3.2 Community Air Monitoring Plan

The Community Air Monitoring Plan provided for the collection and analysis of air samples during remedial construction activities to ensure proper protections were employed to protect workers and the neighboring community. Monitoring was performed in compliance with the Community Air Monitoring Plan in the approved RAWP. The results of community air monitoring are shown in **Appendix C**.

3.3 Soil/Materials Management Plan

The Soil/Materials Management Plan provided detailed plans for managing all soil/materials that were disturbed at the Site, including excavation, handling, storage, transport and disposal. It also included a series of controls to assure effective, nuisance free remedial activity in compliance with applicable laws and regulations. Remedial construction activities performed under this program were in compliance with the SMMP in the approved RAWP.

3.4 Storm-Water Pollution Prevention

Storm water pollution prevention included physical methods and processes to control and/or divert surface water flows and to limit the potential for erosion and migration of Site soils, via wind or water. Remedial construction activities performed under this program were in full compliance with methods and processes defined in the RAWP for storm water prevention and applicable laws and regulations.

3.5 Deviations From The Remedial Action Work Plan

The approved RAWP for the site included a site specific SCO of 250 ppm for total SVOCs. On January 8, 2015, NYCOER approved a revised site specific SCO of 500 ppm for total SVOCs. Approval was granted via email; a copy of the email is included in **Appendix D**.

The approved RAWP for the site specified Grace Construction Products Florprufe® 120 as the sub-slab vapor barrier membrane system material, and Grace Construction Products Preprufe® 160R as the foundation wall vapor barrier membrane system. During construction, based on the manufacturer's recommendations, the vapor barrier material was changed to Grace Construction Products Preprufe 300R as the sub-slab vapor barrier membrane system material, and Grace Construction Products Bituthene 3000 as the foundation wall vapor barrier membrane system.

4.0 REMEDIAL PROGRAM

4.1 Project Organization

Principal personnel who participated in the remedial action include Mr. Thomas Melia of PWGC (Project Manager), Mr. Dave Hermantin, PE of PWGC (Project Engineer), and Mr. Michael Gaul of PWGC (primary Site Safety Officer) for remedial activities.

4.2 Site Controls

Site Preparation

Prior to the start of remedial action, the site was secured with chain link fencing. A construction entrance was located in the fencing at the southern boundary. Utility mark outs were coordinated by the remediation contractor. Equipment used for remediation (e.g., excavator) was mobilized to the site and left onsite for the duration of remedial activities.

An OER Project Notice was erected at the project entrance and was in place during all phases of the Remedial Action.

Soil Screening

During excavation activities, soil were visually inspected and screened with a PID for the presence of volatile organic vapors. The material was found to be consistent with soil encountered during the Remedial Investigation and additional testing or remediation was not warranted.

Stockpile Management

Excavated soils were generally directly loaded into trucks for transport to the disposal facility. When stockpiling was necessary, soils were stockpiled in areas that would be excavated in the future rather than areas already excavated to prevent cross-contamination

Truck Inspection

During the load out of impacted material, trucks were inspected and cleaned prior to leaving through the construction entrance. The tires, exteriors and undercarriages of each truck were inspected to ensure that contaminated soil was not distributed offsite. Trucks that carried contaminated soil were thoroughly cleaned off using brooms and water spray.

Site Security

The site was secured with chain link fencing at the perimeter (where it was not bordered by adjacent buildings.

Nuisance Controls

As part of the CHASP, a CAMP was performed daily for the site during soil disturbance events. This included monitoring the working zone and surrounding community areas for particulate matter (PM) and volatile organic vapors. Throughout the construction process, no volatile organic vapors or PM exceedances were noted. Copies of daily air monitoring logs are included in **Appendix C**.

Reporting

Daily reports were completed at the end of each day by the Site Safety Officer for the day or the Project Manager. Daily reports including digital photographs of remedial action are included in **Appendix C.**

4.3 Materials Excavation and Removal

Redevelopment of the site included construction of a foundation slab that encompasses the majority of the footprint of the subject property. Construction of the foundation required excavation as follows:

- Up to approximately 12 feet bgs beneath the portion area of the new building with a full basement, with limited excavation to 15 feet bgs for the installation of an ejector pit.
- Up to 6 feet bgs beneath the portion of the new building with crawl spaces.
- Approximately two feet bgs in the rear courtyard area, with limited excavation to 10 feet bgs for installation of a detention tank.

A total of 4,651.06 tons of soil was removed from the site during excavation activities.

One previously unknown fuel oil UST was encountered beneath the northeastern portion of the site during soil removal activities. Approximately 500 gallons of liquid waste (residual water

within the tank) was generated during removal/cleaning of the UST. During removal activities, approximately 10 gallons of water spilled from the UST; as a precaution, affected soils were excavated and stockpile for later disposal. The tank removal contractor (Metropolitan Heat & Power Company, Inc.) prepared and submitted a tank closure affidavit to FDNY. Five endpoint soil samples were collected from the tank excavation (bottom and four side walls). Endpoint sample data is discussed in Section 4.4. No evidence of a petroleum release from the UST was identified. Copies of the liquid waste manifest and tank closure affidavit are included in **Appendix E**.

Approximately 200 tons of soil excavated from within Grids 2 and 3 from 8 to 12 feet below grade were reused onsite as fill material beneath the building slab. Reuse of these soils was approved by OER via email on May 6, 2015.

A map showing the location where excavations were performed is shown in **Figure 3**.

4.4 Endpoint Sample Results

Site specific SCOs were developed for the site as part of the RAWP. Site specific SCOs specified in the RAWP were as follows:

- Total SVOCs – 250 ppm (modified to 500 ppm during remediation – see Section 3.5)
- Lead – 1,000 ppm

Endpoint samples were collected during soil excavation activities, at locations specified in the approved RAWP. The RAWP specified five endpoint samples to be collected; however at proposed endpoint sample locations EP001, and EP004, excavation extended down to bedrock. As such, endpoint samples EP001, and EP004 were not collected. In addition to the endpoint samples specified in the RAWP, additional endpoint samples were collected from the soils surrounding the fuel oil UST discovered during excavation activities.

A total of eight endpoint soil samples were collected; three from the foundation excavation and five from the UST excavation. Samples were collected from 0 to 12 inches below the finished excavation depth. Samples were collected using a stainless steel hand auger. Non dedicated sampling equipment was decontaminated with a laboratory grade detergent and distilled water rinse. Additionally, in-situ endpoint samples were collected during the Remedial

Investigation. Details regarding the collection of these samples is included in the Remedial Investigation report for the site. Samples were stored in a cooler packed with ice and transported via courier under proper chain of custody procedures to the analytical laboratory.

Endpoint samples collected from the foundation excavation were analyzed for SVOCs by USEPA Method 8270, and total metals by USEPA Method 6010/7471. Endpoint samples collected from the UST excavation were analyzed for VOCs by USEPA Method 8260 (CP-51 List) and SVOCs by USEPA Method 8270 (CP-51 List). Sample analysis was performed by Alpha Analytical of Westborough, Massachusetts, a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) certified analytical laboratory (ELAP ID: 11148).

A map of end-point sample locations is shown in **Figure 4**. A tabular summary of end-point sampling results compared to SCO's is shown in **Table 1** and **Table 2**. UST Excavation endpoint sampling results are shown in **Table 3**. Endpoint sample laboratory reports are included in **Appendix F**.

Endpoint samples EP002, EP003 and EP005 were analyzed for SVOCs and metals (lead only for EP003) in accordance with the RAWP. Several SVOCs were detected at concentrations exceeding Restricted Residential SCOs in samples EP002 and EP003; however, total SVOCs in each endpoint sample were below the Site Specific SCO of 500 ppm for the site. Metals were not detected at concentrations exceeding Restricted Residential SCOs in endpoint samples collected from the site.

UST endpoint samples were analyzed for VOCs and SVOCs (CP-51 List). Several SVOCs were detected at concentrations exceeding Restricted Residential SCOs in samples BOTTOM001, ESIDE001, and WSIDE001, however total SVOC concentrations did not exceed the site specific SCO of 500 ppm. Additionally, the compounds and concentrations detected are similar to what has been detected site-wide, and, as such, appear to be related to the presence of historic fill material rather than a petroleum release. This conclusion is further supported by the lack of VOC impact identified in UST endpoint samples (no VOCs detected at concentrations above Unrestricted Use SCOs).

Overall, the endpoint samples demonstrated that the Track 4 SCO's established for this project were achieved.

4.4 Materials Disposal

The material type, quantity and disposal location of material removed and disposed off-Site is presented below:

Disposal Location/Address	Type of Material	Quantity
Bayshore Soil Management, LLC 75 Crows Mill Road Keasbey, NJ 08832	Non-Hazardous Soil	1,656.04
Former NJ Zinc Site 1120 Mauch Chunk Road Palmerton, PA 18071	Non-Hazardous Soil	2,632.56
P Park NJ, LLC 100 Planten Avenue Prospect Park, NJ 07508	Non-Hazardous Soil	362.46

Letters from Henry Phipps Plaza HDFC to disposal facility providing materials type, source and data, and acceptance letters from disposal facility stating it is approved to accept above materials are attached in **Appendix G**. Manifests are included in **Appendix H**. Characterization sample results are included in **Appendix G**.

4.5 Backfill Import

A total of approximately 940 cubic yards of fill material was imported to site from Durante and Sons Recycling of Flushing, New York. This material was used as backfill material and as cover material in the rear courtyard portion of the site in areas that will not be capped with a concrete slab. Prior to importing fill material to the site, 500 cubic yard stockpiles were segregated at the facility. Composite soil samples were collected and analyzed from each stockpile, and analytical results shared with OER to confirm the acceptability of the material prior to it being shipped onsite.

Clean fill material composite soil samples were analyzed for VOCs by USEPA Method 8260, SVOCs by USEPA Method 8270, total metals by USEPA Method 6010/7471, and pesticides/PCBs by USEPA Method 8081/8082. Sample analysis was performed by Alpha

Analytical of Westborough, Massachusetts, a NYSDOH ELAP certified analytical laboratory (ELAP ID: 11148).

A table of all sources of backfill with quantities for each source is shown in **Table 4**. Tables summarizing chemical analytical results for backfill are included in **Table 5** through **Table 8**; laboratory reports are included as **Appendix I**. A map showing backfill placement locations at the Site is shown in **Figure 5**.

4.6 Demarcation

Soil below the final cover is residual soil that will be addressed by site management under this remedial action.

5.0 ENGINEERING CONTROLS

Engineering Controls were employed in the Remedial Action to address residual materials remaining at the site. The Site has two primary Engineering Control Systems. These are:

5.1 Composite Cover System

Exposure to residual soil/fill is prevented by an engineered Composite Cover System that has been built on the Site. The Composite Cover System is a permanent Engineering Control for the Site.

The Composite Cover System is comprised the following:

- A minimum 12-inch thick reinforced slab underlain with a 12 inches of compacted crushed stone beneath the building footprint.
- A minimum 4-inch thick reinforced concrete slab underlain with four inches of compacted crushed stone in the rear courtyard area.
- A minimum of two feet of clean fill material in landscaped portions of the rear courtyard area.

The contractor for construction of the Composite Cover System was Monodnock Construction, Inc. of Brooklyn, New York (general contractor) and Eurocraft Contracting, LLC of Rockaway, New Jersey (foundation sub-contractor).

Figure 6 shows the location and as-built design for each remedial cover type used on this Site. Photographs of construction of the Composite Cover System are included in Daily Reports (**Appendix C**).

5.2 Vapor Barrier System

Exposure to soil vapor is prevented by a Vapor Barrier System that has been built on the Site. The Vapor Barrier System is a permanent Engineering Control for the Site.

The Vapor Barrier System consists of a Grace Construction Products Preprufe® 300R Vapor/Waterproofing membrane consisting of a 46-mil high-density polyethylene (HDPE) sheet with a synthetic adhesive and weather resistant protective coating beneath the foundation and a Grace Construction Products Bituthene® 3000 membrane consisting of a 62-mil self-adhesive rubber/bitumen polyethylene membrane for foundation sidewalls. Vapor barrier materials were installed in accordance with the manufacturer's specifications. Bituthene® 3000 and Preprufe® 300 were sealed to the building footings using a combination of Preprufe® Tape and liquid

membrane. Penetrations through the slab were sealed with a combination of Preprufe® Tape and liquid membrane.

The contractor for construction of the Vapor Barrier System was Monodnock Construction, Inc. of Brooklyn, New York (general contractor) and Eurocraft Contracting, LLC of Rockaway, New Jersey (foundation sub-contractor).

Figure 7 shows the location and as-built design for the Vapor Barrier System used on this Site.

Photographs of installation of the Vapor Barrier System are included in Daily Reports (**Appendix C**).

Appendix J provides supplemental information on the Vapor Barrier System used on this Site.

6.0 INSTITUTIONAL CONTROLS

A series of Institutional Controls are required under this Remedial Action to assure permanent protection of public health by elimination of exposure to residual materials. These IC's define the program to operate, maintain, inspect and certify the performance of Engineering Controls and Institutional Controls on this property. These Institutional Controls will be implemented in accordance with the Site Management Plan included in this RAR.

Institutional Controls for this property are:

(1) The property will continue to be registered with a Restrictive Declaration by the NYC Department of Buildings. Property owner and property owner's successors and assigns are required to comply with the approved SMP;

(2) Compliance with an OER-approved Site Management Plan including procedures for appropriate operation, maintenance, inspection, and certification of performance of EC's and IC's. The property owner and property owner's successors and assigns will inspect EC's and IC's and submit to OER a periodic written certification that evaluates their performance;

(3) Engineering Controls will not be discontinued without prior OER approval;

(4) OER has the right to enter the Site upon notice for the purpose of evaluating the performance of EC's and IC's;

(5) Vegetable gardens and farming in residual soil/fill on the Site are prohibited;

(6) Use of groundwater underlying the Site without treatment rendering it safe for its intended use is prohibited;

(7) All future activities on the Site that will disturb residual soil/fill must be conducted pursuant to the Soil/Materials Management provisions of the SMP, or otherwise approved by OER;

(8) The Site is intended to be used for restricted residential use and will not be used for a higher level of use without prior approval by OER.

7.0 SITE MANAGEMENT PLAN

Site Management is the last phase of the remedial process and begins after the approval of the Remedial Action Report (RAR) and issuance of the Notice of Completion (NOC) by OER. It is the responsibility of the property owner to ensure that all Site Management responsibilities are performed. Failure to implement the SMP will result in revocation of the Notice of Completion and all associated certifications and liability protections.

Engineering Controls and Institutional Controls have been incorporated into this Remedial Action to ensure that the site remains protective of public health and the environment. Generally, EC's provide physical protective measures and IC's provide restrictions on Site usage and establish remedial operation, maintenance, inspection and certification measures. This Site Management Plan has been established to govern long-term performance of EC's and IC's for this property.

The SMP provides a detailed description of procedures required to manage residual material at the Site following the completion of remedial construction in accordance with the NYC Voluntary Cleanup Agreement with OER. This includes: (1) operation and maintenance of Engineering Controls; (2) inspection of EC's and IC's; and (3) certification of performance of EC's and IC's.

7.1 Engineering Controls

Engineering Controls were employed in the remedial action to address residual materials remaining at the site. The Site has two Engineering Control Systems. Engineering Controls for this property are:

1) Composite Cover System.
2) Vapor Barrier System.

Operation and Maintenance of Composite Cover System

Section 5 describes the Composite Cover System utilized in this Remedial Action and provides as-built design details and the location of each cover type. The Composite Cover System is a permanent Engineering Control for the Site. The system will be inspected and its performance certified at specified intervals defined in this SMP. A Soil/Materials Management Plan is included in this Site Management Plan and outlines the procedures to be followed in the

event that the composite cover system and underlying residual soil/material must be disturbed after the Remedial Action is complete.

The Composite Cover System does not require any special operation or maintenance activities. If the system is breached during future construction activities, the system will be rebuilt by reconstructing the system according to the original design and tying newly constructed cover layers into existing cover layers to form a continuous layer(s).

Operation and Maintenance of Vapor Barrier System

Section 5 describes the Vapor Barrier System utilized in this Remedial Action and provides as-built design details and the system location. The Vapor Barrier System is a permanent Engineering Control for the Site. The system will be inspected and its performance certified at specified intervals defined in this SMP.

The Vapor Barrier System does not require any special operation or maintenance activities. If the system is breached during future construction activities, the system will be rebuilt by reconstructing the vapor barrier layers and adhering the newly constructed materials with existing barrier materials in accordance with manufacturer specifications.

7.2 Institutional Controls

A series of Institutional Controls are required under this Remedial Action to assure permanent protection of public health by elimination of exposure to residual materials. These IC's define the program to operate, maintain, inspect and certify the performance of Engineering Controls and Institutional Controls on this property. Adherence to these Institutional Controls is required under the Site Management Plan established for this Remedial Action and will be implemented in accordance with the Site Management Plan included in this RAR.

Institutional Controls are also designed to prevent future exposure to residual soil/materials by controlling disturbances in the subsurface, restrict higher uses of the property than those addressed by the Remedial Action and establish restrictions on activities and site usage. Institutional Controls for this property are:

(1) The property will continue to be registered with a Restrictive Declaration by the NYC Department of Buildings. Property owner and property owner's successors and assigns are required to comply with the approved SMP;

(2) Compliance with an OER-approved Site Management Plan including procedures for appropriate operation, maintenance, inspection, and certification of performance of EC's and IC's. The property owner and property owner's successors and assigns will inspect EC's and IC's and submit to OER a periodic written certification that evaluates their performance;

(3) Engineering Controls will not be discontinued without prior OER approval;

(4) OER has the right to enter the Site upon notice for the purpose of evaluating the performance of EC's and IC's;

(5) Vegetable gardens and farming in residual soil/fill on the Site are prohibited;

(6) Use of groundwater underlying the Site without treatment rendering it safe for its intended use is prohibited;

(7) All future activities on the Site that will disturb residual soil/fill must be conducted pursuant to the Soil/Materials Management provisions of the SMP, or otherwise approved by OER;

(8) The Site is intended to be used for restricted residential use and will not be used for a higher level of use without prior approval by OER.

7.3 Inspections

Engineering Controls and Institutional Controls will be inspected on a regular basis and certified periodically as described below. Inspections will include routine evaluation by custodial and maintenance staff to identify obvious signs of potential failure of system components (i.e., cracks or fissures in the foundation or building slab, erosion of cover soils, etc.) and periodic inspections by trained personnel for the purpose of certification of the performance of EC's and IC's. The periodic inspections will evaluate the following:

- If Engineering Controls or Institutional Controls employed at the Site continue to perform as designed and continue to be protective of human health and the environment;
- If anything has occurred that impairs the ability of the Engineering Controls or Institutional Controls to protect public health and the environment;
- If changes are needed to the remedial systems or controls;
- If compliance with this SMP has been maintained;
- If site records are complete and up to date; and

- General Site conditions at the time of inspection.

In addition, if an emergency occurs, such as a natural disaster, or if an unforeseen failure of any of the Engineering Controls occurs, an inspection of the Site will be performed within 30 days to evaluate the Engineering Controls and a letter report of findings will be submitted to OER.

Inspection of Composite Cover System

The composite cover system will be inspected at at five year intervals as defined in Section 7.4 to confirm that it continues to be in place and performing as designed and is continuing to be protective of human health and the environment. The inspection will consist of a walkthrough of the property to confirm that penetrations through the composite cover system (if any) have been repaired in accordance with the SMP. Alterations to the composite cover system (if any) will be photo-documented Certification Letter Report.

Inspection of Vapor Barrier System

The vapor barrier system will be inspected at five year intervals as defined in Section 7.4 to confirm that it continues to be in place and performing as designed and is continuing to be protective of human health and the environment. The inspection will consist of a walkthrough of the property to confirm that penetrations through the vapor barrier (if any) have been repaired in accordance with the SMP. Alterations to the vapor barrier system (if any) will be photo-documented for inclusion in the Certification Letter Report.

Site Use Prohibitions

Inspections to evaluate the status of site use prohibitions will include an evaluation of whether there is vegetable gardening or farming in residual soil/fill; whether groundwater underlying the site has been used without treatment rendering it safe for its intended use; whether activities that have disturbed site soil/fill have been conducted pursuant to the Soil/Material Management provisions of the SMP, or otherwise approved by OER; and whether the site has been used for a higher level of use other than the restricted residential use addressed by the Remedial Action.

7.4 Inspection And Certification Letter Report

Results of inspections performed during a reporting period and certification of performance of all Engineering Controls and Institutional Controls will be included in an Inspection and Certification Letter Report to be submitted by July 30, 2021 (for the reporting period calendar

years 2016-2020), July 30, 2026 (for the reporting period calendar years 2021-2025) and every five years thereafter (for the reporting period consisting of the five prior calendar years). Inspection and Certification Letter Reports will be submitted to OER in digital format.

The Certification Letter Report will include, at a minimum:

- Date of inspections;
- Personnel conducting inspections;
- Description of the inspection activities performed;
- Any observations, conclusions, or recommendations;
- Copy of any inspection forms;
- A determination as to whether groundwater plume conditions, if any, have changed since the last reporting event; and
- Certification of the performance of Engineering Controls and Institutional Controls, as discussed below.

The certification of the performance of EC's and IC's will establish:

- If Engineering Controls or Institutional Controls employed at the Site continue to be in place and perform as designed and continue to be protective of human health and the environment;
- If anything has occurred that impairs the ability of Engineering Controls or Institutional Controls to protect public health and the environment;
- If changes are needed to the remedial systems or controls;
- If compliance with this Site Management Plan has been maintained;
- If vegetable gardening and farming in residual soils has been prevented;
- If groundwater underlying the Site is being utilized without treatment rendering it safe for the intended purpose has been prevented;
- If activities on the Site that have disturbed residual soil/fill material have been in accordance with the Soil/Materials Management Plan in this SMP;
- If the Site has been used for a higher level of use other than the restricted residential use addressed by the Remedial Action;
- If site records are complete and up to date;

- If the Site continues to be registered as a Restrictive Declaration property by the NYC Department of Buildings;

OER may enter the Site upon notice for the purpose of evaluating the performance of EC's and IC's.

7.5 Notifications

Notifications will be submitted by the property owner to OER as described below:

- 60-day advance notice of any proposed changes in Site use, such as an upgrade from existing use to residential or unrestricted use that was not contemplated is the Remedial Action.
- Notice within 14 days of any emergency, such as a fire, flood, or earthquake that has the potential to reduce the effectiveness of Engineering Controls in place at the Site.

7.6 Soil/Materials Management Plan

Any future intrusive work that will disturb residual soil/fill beneath the property, including modifications or repairs to the existing composite cover system, will be performed in compliance with this Soil/Materials Management Plan (SMMP). Intrusive work will also be conducted in accordance with the procedures defined in the Community Air Monitoring Plan (CAMP) included as Section 7.7 in this plan and a Construction Health and Safety Plan (HASP). The HASP is the responsibility of the property owner and should be in compliance with NYSDEC DER-10 Technical Guide and 29 CFR 1910 and 1926, and all other applicable Federal, State and City regulations. Intrusive construction work should be compliant with this SMMP and described in the next Inspection and Certification Letter Report.

7.6.1 Soil Screening Methods

Visual, olfactory and PID soil screening and assessment will be performed under the supervision of a Qualified Environmental Professional and will be reported in the Remedial Closure Report (RCR). Soil screening will be performed during invasive work performed during the remedy and development phases prior to issuance of the Notice of Satisfaction.

7.6.2 Stockpile Methods

Excavated soil from suspected areas of contamination (e.g., hot spots, USTs, drains, etc.) will be stockpiled separately and will be segregated from clean soil and construction materials.

Stockpiles will be used only when necessary and will be removed as soon as practicable. While stockpiles are in place, they will be inspected daily, and before and after every storm event. Results of inspections will be recorded in a logbook and maintained at the Site and available for inspection by OER. Excavated soils will be stockpiled on, at minimum, double layers of 8-mil minimum sheeting, will be kept covered at all times with appropriately anchored plastic tarps, and will be routinely inspected. Broken or ripped tarps will be promptly replaced.

All stockpile activities will be compliant with applicable laws and regulations. Soil stockpile areas will be appropriately graded to control run-off in accordance with applicable laws and regulations. Stockpiles of excavated soils and other materials shall be located at least of 50 feet from the property boundaries, where possible. Hay bales or equivalent will surround soil stockpiles except for areas where access by equipment is required. Silt fencing and hay bales will be used as needed near catch basins, surface waters and other discharge points.

7.6.3 Characterization of Excavated Materials

Soil/fill or other excavated media that is transported off-Site for disposal will be sampled in a manner required by the receiving facility, and in compliance with applicable laws and regulations. Soils proposed for reuse on-Site will be managed as defined in this plan.

7.6.4 Materials Excavation, Load-Out and Departure

The PE/QEP overseeing the remedial action will:

- oversee remedial work and the excavation and load-out of excavated material;
- ensure that there is a party responsible for the safe execution of invasive and other work performed under this work plan;
- ensure that Site development activities and development-related grading cuts will not interfere with, or otherwise impair or compromise the remedial activities proposed in this RAP;
- ensure that the presence of utilities and easements on the Site has been investigated and that any identified risks from work proposed under this plan are properly addressed by appropriate parties;

- ensure that all loaded outbound trucks are inspected and cleaned if necessary before leaving the Site;
- ensure that all egress points for truck and equipment transport from the Site will be kept clean of Site-derived materials during Site remediation.

Locations where vehicles exit the Site shall be inspected daily for evidence of soil tracking off premises. Cleaning of the adjacent streets will be performed as needed to maintain a clean condition with respect to Site-derived materials.

Open and uncontrolled mechanical processing of historical fill and contaminated soil on-Site will not be performed without prior OER approval.

7.6.5 Off-Site Materials Transport

Loaded vehicles leaving the Site will comply with all applicable materials transportation requirements (including appropriate covering, manifests, and placards) in accordance with applicable laws and regulations, including use of licensed haulers in accordance with 6 NYCRR Part 364. If loads contain wet material capable of causing leakage from trucks, truck liners will be used. Queuing of trucks will be performed on-Site, when possible in order to minimize off Site disturbance. Off-Site queuing will be minimized.

Outbound truck transport routes are in Section 3.8 of the RAP. This routing takes into account the following factors: (a) limiting transport through residential areas and past sensitive sites; (b) use of mapped truck routes; (c) minimizing off-Site queuing of trucks entering the facility; (d) limiting total distance to major highways; (e) promoting safety in access to highways; and (f) overall safety in transport. To the extent possible, all trucks loaded with Site materials will travel from the Site using these truck routes. Trucks will not stop or idle in the neighborhood after leaving the project Site.

7.6.6 Materials Disposal Off-Site

The following documentation will be established and reported by the PE/QEP for each disposal destination used in this project to document that the disposal of regulated material exported from the Site conforms with applicable laws and regulations: (1) a letter from the PE/QEP or Applicant to each disposal facility describing the material to be disposed and

requesting written acceptance of the material. This letter will state that material to be disposed is regulated material generated at an environmental remediation Site in New York under a governmental remediation program. The letter will provide the project identity and the name and phone number of the PE/QEP or Applicant. The letter will include as an attachment a summary of all chemical data for the material being transported; and (2) a letter from each disposal facility stating it is in receipt of the correspondence (1, above) and is approved to accept the material. These documents will be included in the RCR.

The RCR will include an itemized account of the destination of all material removed from the Site during this remedial action. Documentation associated with disposal of all material will include records and approvals for receipt of the material. This information will be presented in the RCR.

All impacted soil/fill or other waste excavated and removed from the Site will be managed as regulated material and will be disposed in accordance with applicable laws and regulations. Historic fill and contaminated soils taken off-Site will be handled as solid waste and will not be disposed at a Part 360-16 Registration Facility (also known as a Soil Recycling Facility).

Waste characterization will be performed for off-Site disposal in a manner required by the receiving facility and in conformance with its applicable permits. Waste characterization sampling and analytical methods, sampling frequency, analytical results and QA/QC will be reported in the RCR. A manifest system for off-Site transportation of exported materials will be employed. Manifest information will be reported in the RCR. Hazardous wastes derived from on-Site will be stored, transported, and disposed of in compliance with applicable laws and regulations.

7.6.7 Materials Reuse On-Site

Soil and fill that is derived from the property that meets the soil cleanup objectives established in this plan may be reused on-Site. The soil cleanup objectives for on-Site reuse are listed in the RAP. “Reuse on-Site” means material that is excavated during the remedy or development, does not leave the property, and is relocated within the same property and on comparable soil/fill material, and addressed pursuant to Engineering Controls. The PE/QEP will ensure that reused materials are segregated from other materials to be exported from the Site and

that procedures defined for material reuse in this RAP are followed. The expected location for placement of reused material is shown in the RAP.

Organic matter (wood, roots, stumps, etc.) or other waste derived from clearing and grubbing of the Site will not be buried on-Site. Soil or fill excavated from the site for grading or other purposes will not be reused within a cover soil layer or within landscaping berms.

7.6.8 Demarcation

After completion of hotspot removal and any other invasive remedial activities, and prior to backfilling, the top of the residual soil/fill will be defined by one of three methods: (1) placement of a demarcation layer. The demarcation layer will consist of geosynthetic fencing or equivalent material to be placed on the surface of residual soil/fill to provide an observable reference layer. A description or map of the approximate depth of the demarcation layer will be provided in the RCR; or (2) a land survey of the top elevation of residual soil/fill before the placement of cover soils, pavement and associated sub-soils, or other materials or structures or, (3) all materials beneath the approved cover will be considered impacted and subject to site management after the remedy is complete. Demarcation may be established by one or any combination of these three methods. As appropriate, a map showing the method of demarcation for the Site and all associated documentation will be presented in the RCR. This demarcation will constitute the top of the site management horizon.

7.6.9 Import of Backfill Soil from Off-Site Sources

This Section presents the requirements for imported fill materials to be used below the cover layer and within the clean soil cover layer. All imported soils will meet OER-approved backfill and cover soil quality objectives for this Site. The backfill and cover soil quality objectives are listed in the RAP.

A process will be established to evaluate sources of backfill and cover soil to be imported to the Site, and will include an examination of source location, current and historical use(s), and any applicable documentation. Material from industrial sites, spill sites, environmental remediation sites or other potentially contaminated sites will not be imported to the Site.

The following potential sources may be used pending attainment of backfill and cover soil quality objectives:

- Clean soil from construction projects at non-industrial sites in compliance with applicable laws and regulations;
- Clean soil from roadway or other transportation-related projects in compliance with applicable laws and regulations;
- Clean recycled concrete aggregate (RCA) from facilities permitted or registered by the regulations of NYS DEC.

All materials received for import to the Site will be approved by a PE/QEP and will be in compliance with provisions in this RAP. The RCR will report the source of the fill, evidence that an inspection was performed on the source, chemical sampling results, frequency of testing, and a Site map indicating the locations where backfill or soil cover was placed.

Source Screening and Testing

Inspection of imported fill material will include visual, olfactory and PID screening for evidence of contamination. Materials imported to the Site will be subject to inspection, as follows:

- Trucks with imported fill material will be in compliance with applicable laws and regulations and will enter the Site at designated locations;
- The PE/QEP is responsible to ensure that every truck load of imported material is inspected for evidence of contamination; and
- Fill material will be free of solid waste including pavement materials, debris, stumps, roots, and other organic matter, as well as ashes, oil, perishables or foreign matter.

Composite samples of imported material will be taken at a minimum frequency of one sample for every 500 cubic yards of material. Once it is determined that the fill material meets imported backfill or cover soil chemical requirements and is non-hazardous, and lacks petroleum contamination, the material will be loaded onto trucks for delivery to the Site.

Recycled concrete aggregate (RCA) will be imported from facilities permitted or registered by NYSDEC. Facilities will be identified in the RCR. A PE/QEP is responsible to ensure that the facility is compliant with 6NYCRR Part 360 registration and permitting

requirements for the period of acquisition of RCA. RCA imported from compliant facilities will not require additional testing, unless required by NYSDEC under its terms for operation of the facility. RCA imported to the Site must be derived from recognizable and uncontaminated concrete. RCA material is not acceptable for, and will not be used as cover material.

7.6.10 Fluids Management

All liquids to be removed from the Site, including dewatering fluids, will be handled, transported and disposed in accordance with applicable laws and regulations. Liquids discharged into the New York City sewer system will receive prior approval by New York City Department of Environmental Protection (NYC DEP). The NYC DEP regulates discharges to the New York City sewers under Title 15, Rules of the City of New York Chapter 19. Discharge to the New York City sewer system will require an authorization and sampling data demonstrating that the groundwater meets the City's discharge criteria. The dewatering fluid will be pretreated as necessary to meet the NYC DEP discharge criteria. If discharge to the City sewer system is not appropriate, the dewatering fluids will be managed by transportation and disposal at an off-Site treatment facility.

Discharge of water generated during remedial construction to surface waters (i.e. a stream or river) is prohibited without a SPDES permit issued by New York State Department of Environmental Conservation.

7.6.11 Storm-water Pollution Prevention

Applicable laws and regulations pertaining to storm-water pollution prevention will be addressed during the remedial program. Erosion and sediment control measures identified in this RAP (silt fences and barriers, and hay bale checks) will be installed around the entire perimeter of the remedial construction area and inspected once a week and after every storm event to ensure that they are operating appropriately. Discharge locations will be inspected to determine whether erosion control measures are effective in preventing significant impacts to receptors. Results of inspections will be recorded in a logbook and maintained at the Site and available for inspection by OER. All necessary repairs shall be made immediately. Accumulated sediments will be removed as required to keep the barrier and hay bale check functional. Undercutting or erosion of the silt fence anchor will be repaired immediately with appropriate backfill materials.

Manufacturer's recommendations will be followed for replacing silt fencing damaged due to weathering.

7.6.12 Contingency Plan

This contingency plan is developed for the remedial construction to address the discovery of unknown structures or contaminated media during excavation. Identification of unknown contamination source areas during invasive Site work will be promptly communicated to OER's Project Manager. Petroleum spills will be reported to the NYS DEC Spill Hotline. These findings will be included in the daily report. If previously unidentified contaminant sources are found during on-Site remedial excavation or development-related excavation, sampling will be performed on contaminated source material and surrounding soils and reported to OER. Chemical analytical testing will be performed for Full List volatiles and semi-volatiles, pesticides/PCBs, and TAL metals, as appropriate.

7.6.13 Odor, Dust and Nuisance Control

Odor Control

All necessary means will be employed to prevent on- and off-Site odor nuisances. At a minimum, procedures will include: (a) limiting the area of open excavations; (b) shrouding open excavations with tarps and other covers; and (c) use of foams to cover exposed odorous soils. If odors develop and cannot otherwise be controlled, additional means to eliminate odor nuisances will include: (d) direct load-out of soils to trucks for off-Site disposal; and (e) use of chemical odorants in spray or misting systems.

This odor control plan is capable of controlling emissions of nuisance odors. If nuisance odors are identified, work will be halted and the source of odors will be identified and corrected. Work will not resume until all nuisance odors have been abated. OER will be notified of all odor complaint events. Implementation of all odor controls, including halt of work, will be the responsibility of the PE/QEP's certifying the RCR.

Dust Control

Dust management during invasive on-Site work will include, at a minimum:

- Use of a dedicated water spray methodology for roads, excavation areas and stockpiles.
- Use of properly anchored tarps to cover stockpiles.
- Exercise extra care during dry and high-wind periods.
- Use of gravel or recycled concrete aggregate on egress and other roadways to provide a clean and dust-free road surface.

This dust control plan is capable of controlling emissions of dust. If nuisance dust emissions are identified, work will be halted and the source of dusts will be identified and corrected. Work will not resume until all nuisance dust emissions have been abated. OER will be notified of all dust complaint events. Implementation of all dust controls, including halt of work, will be the responsibility of the PE/QEP's responsible for certifying the Remedial Closure Report.

Other Nuisances

Noise control will be exercised during the remedial program. All remedial work will conform, at a minimum, to NYC noise control standards.

Rodent control will be provided, during Site clearing and grubbing, and during the remedial program, as necessary, to prevent nuisances.

7.6.14 Import of Clean Cover

A to be determined amount of soil is anticipated to be imported to the Site for use as clean cover. All imported soil will be uncontaminated, clean soil that meets the lesser of NYSDEC 6 NYCRR Part 375-6.8(a) Restricted Residential Use SCOs and the NYSDEC 6 NYCRR Part 375-6.8 groundwater protection SCOs.

The imported uncontaminated, clean soil cover will be from an approved source/facility and will be evaluated by the PE/QEP to ensure:

1) That a segregated stockpile for the to be determined amount of soil is properly maintained at the source and will not be comingled with any other material prior to importing and grading the clean soil material at the Site;

2) That the material does not include any solid waste, including construction and demolition material, as it's prohibited;
3) That screening for evidence of contamination by visual, olfactory and PID soil screening practices prior to testing at the source as well as upon importing to the Site for grading is completed; and
4) That a maximum five-part composite sample will be collected from the segregated stockpile at the source at a minimum frequency of one sample per 250 cubic yards and analyzed for the following Full List parameters:
    - VOCs by EPA Method 8260C (rev. 2006)
    - SVOCs by EPA Method 8270D (rev. 2007)
    - Pesticides by EPA Method 8081B (rev. 2000)
    - PCBs by EPA Method 8082A (rev. 2000)
    - TAL Metals by EPA Method 6010C (rev. 2007)

Upon receipt of the segregated stockpile analytical results collected at the source, a Clean Soil Sampling Report will be submitted to OER for review/approval prior to importing. The report will include the following:

1) Summary of number of samples collected and analyzed, tabulated data and comparison to the selected Site Use SCOs;
2) Analytical data sheets and chain of custody documentation;
3) Summary of a to be determined amount of soil;
4) Photographs from the segregated stockpile at the source with sample point locations identified;
5) An affidavit from the source/facility on company letterhead stating that the segregated stockpile for the to be determined amount of soil has been properly maintained at the source and complies with the requirements listed above; and
6) A copy of source/facility NYSDEC permit;

A highly visible demarcation barrier (i.e. orange geo-synthetic material or equivalent) will be installed beneath the clean soil/fill surface cover. Upon importing and grading the OER

approved clean soil cover for a to be determined amount of soil on top of a highly visible demarcation barrier, the following documentation will be presented in the Final Remedial Closure Report:

1. Copies of purchase invoices;
2. Truck transportation slips from the source to the Site;
3. Confirmation of a to be determined amount of OER approved clean soil cover material imported and graded at the site on top of highly visible demarcation barrier;
4. Site plan depicting all areas where the OER approved clean soil cover has been placed; and
5. Photographs documenting the importing and grading of the OER approved clean soil cover across the site with the underlying highly visible demarcation barrier (i.e. orange geo-synthetic material or equivalent).

7.7 Community Air Monitoring Plan

Real-time air monitoring for volatile organic compounds (VOCs) and particulate levels at the perimeter of the exclusion zone or work area will be performed. Continuous monitoring will be performed for all ground intrusive activities and during the handling of contaminated or potentially contaminated media. Ground intrusive activities include, but are not limited to, soil/waste excavation and handling, test pit excavation or trenching, and the installation of soil borings or monitoring wells.

Periodic monitoring for VOCs will be performed during non-intrusive activities such as the collection of soil and sediment samples or the collection of groundwater samples from existing monitoring wells. Periodic monitoring during sample collection, for instance, will consist of taking a reading upon arrival at a sample location, monitoring while opening a well cap or overturning soil, monitoring during well baling/purging, and taking a reading prior to leaving a sample location. Depending upon the proximity of potentially exposed individuals, continuous monitoring may be performed during sampling activities. Examples of such situations include groundwater sampling at wells on the curb of a busy urban street, in the midst of a public park, or adjacent to a school or residence. Exceedences of action levels observed during performance of the Community Air Monitoring Plan (CAMP) will be reported to the OER Project Manager and included in the Daily Report.

7.7.1 VOC Monitoring, Response Levels, and Actions

Volatile organic compounds (VOCs) will be monitored at the downwind perimeter of the immediate work area (i.e., the exclusion zone) on a continuous basis during invasive work. Upwind concentrations will be measured at the start of each workday and periodically thereafter to establish background conditions. The monitoring work will be performed using equipment appropriate to measure the types of contaminants known or suspected to be present. The equipment will be calibrated at least daily for the contaminant(s) of concern or for an appropriate surrogate. The equipment will be capable of calculating 15-minute running average concentrations, which will be compared to the levels specified below.

- If the ambient air concentration of total organic vapors at the downwind perimeter of the work area or exclusion zone exceeds 5 parts per million (ppm) above background for the 15-minute average, work activities will be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below 5 ppm over background, work activities will resume with continued monitoring.
- If total organic vapor levels at the downwind perimeter of the work area or exclusion zone persist at levels in excess of 5 ppm over background but less than 25 ppm, work activities will be halted, the source of vapors identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities will resume provided that the total organic vapor level 200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less - but in no case less than 20 feet, is below 5 ppm over background for the 15-minute average.
- If the organic vapor level is above 25 ppm at the perimeter of the work area, activities will be shutdown.

All 15-minute readings must be recorded and be available for OER personnel to review. Instantaneous readings, if any, used for decision purposes will also be recorded.

7.7.2 Particulate Monitoring, Response Levels, and Actions

Particulate concentrations will be monitored continuously at the upwind and downwind perimeters of the exclusion zone at temporary particulate monitoring stations. The particulate monitoring will be performed using real-time monitoring equipment capable of measuring particulate matter less than 10 micrometers in size (PM-10) and capable of integrating over a

period of 15 minutes (or less) for comparison to the airborne particulate action level. The equipment will be equipped with an audible alarm to indicate exceedance of the action level. In addition, fugitive dust migration should be visually assessed during all work activities.

- If the downwind PM-10 particulate level is 100 micrograms per cubic meter (mcg/m^3) greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed leaving the work area, then dust suppression techniques will be employed. Work will continue with dust suppression techniques provided that downwind PM-10 particulate levels do not exceed 150 mcg/m^3 above the upwind level and provided that no visible dust is migrating from the work area.
- If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than 150 mcg/m^3 above the upwind level, work will be stopped and a re-evaluation of activities initiated. Work will resume provided that dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within 150 mcg/m^3 of the upwind level and in preventing visible dust migration.

All readings will be recorded and be available for OER personnel to review

7.8 Contingency Plan

Emergency Telephone Numbers

In the event of any emergency condition pertaining to these engineering controls systems, the Owner's representative(s) should contact the appropriate parties from the contact list below. Prompt contact should also be made to Thomas Melia of P.W. Grosser Consulting, Inc. These emergency contact lists must be maintained in an easily accessible location at the Site.

Emergency Contact Numbers

Medical, Fire, and Police:	911
One Call Center: 3 day notice required for utility markout	(800) 272-4480
Poison Control Center:	(800) 222-1222
Pollution Toxic Chemical Oil Spills:	(800) 424-8802
NYSDEC Spills Hotline	(800) 457-7362

Contact Numbers

Thomas Melia, P.W. Grosser Consulting	(631) 589-6353
NYC Office of Environmental Remediation	(212) 788-8841; 311

8.0 SUSTAINABILITY REPORT

This Remedial Action Report provides for sustainable remediation and redevelopment through a variety of means that are defined in this Sustainability Report.

Reuse of Clean, Recyclable Materials. Reuse of clean, recyclable materials reduces consumption of non-renewable virgin resources and can provide energy savings and greenhouse gas reduction since these materials can be locally-derived.

An estimate of the tonnage of recycled material reused on this project is approximately 20 tons of RCA, and 200 cubic yards of soil reused onsite.

Conversion to Clean Fuels. Use of clean fuel improves NYC's air quality by reducing harmful emissions.

Natural gas is utilized for fuel source for the new building.

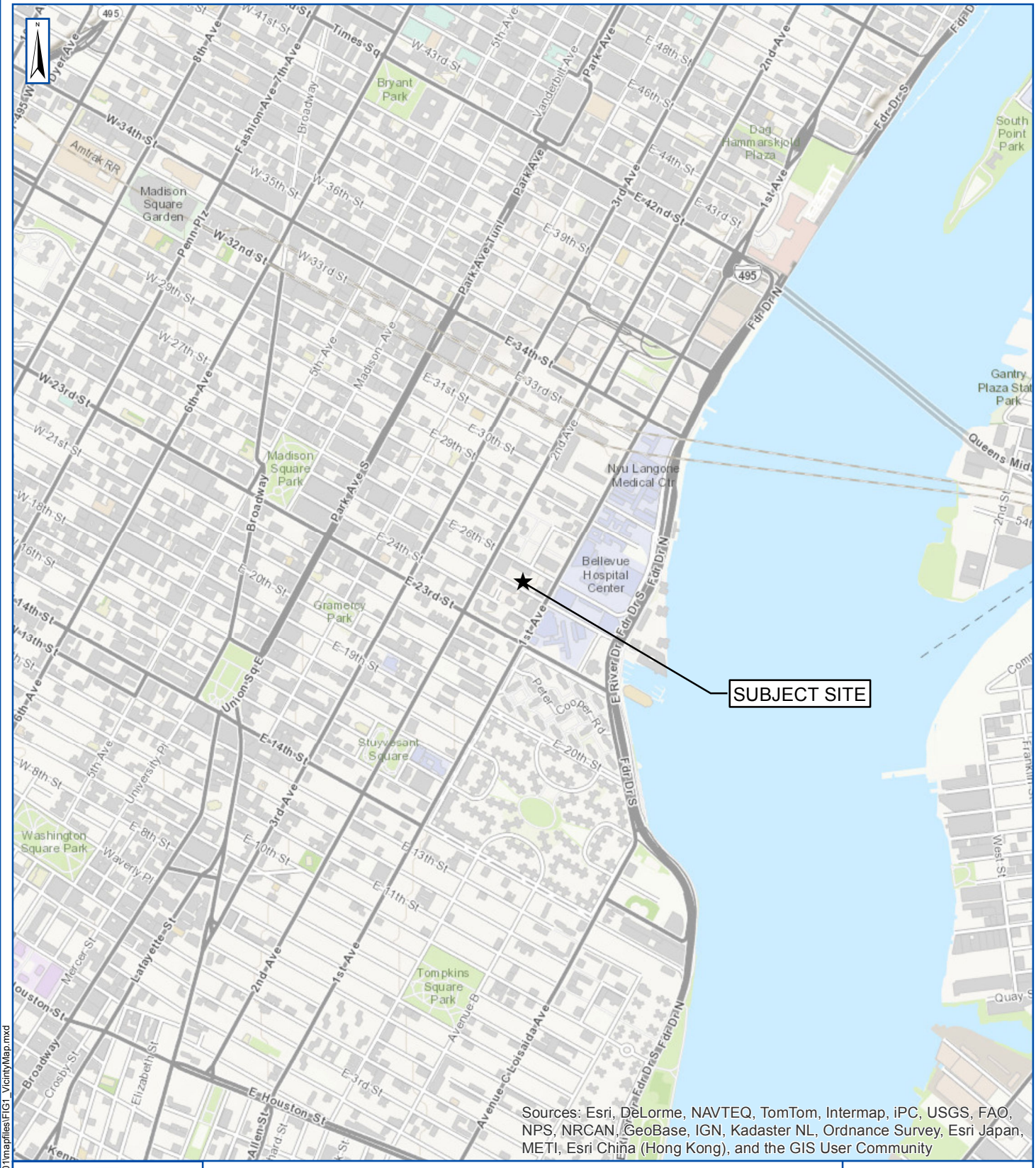
Recontamination Control. Recontamination after cleanup and redevelopment is completed undermines the value of work performed, may result in a property that is less protective of public health or the environment, and may necessitate additional cleanup work later that could impede future redevelopment. Recontamination can arise from future releases that occur within the property or by influx of existing contamination from off-Site.

The area of the Site that utilizes recontamination controls under this plan is 9,275 square feet, or 100% of the property.

Paperless Brownfield Cleanup Program. Henry Phipps Plaza HDFC participated in OER's Paperless Voluntary Cleanup Program. Under this program, submission of electronic documents replaced submission of hard copies for the review of project documents, communications and milestone reports. A best estimate of the mass (pounds) of paper saved under this plan is 35.

Low-Energy Project Management Program. Henry Phipps Plaza HDFC participated in OER's low-energy project management program. Under this program, whenever possible, meetings were held using remote communication technologies, such as videoconferencing and teleconferencing to reduce energy consumption and traffic congestion associated with personal transportation. A gross estimate of the number of miles of personal transportation that was conserved in this process is 350.

FIGURES



VICINITY MAP

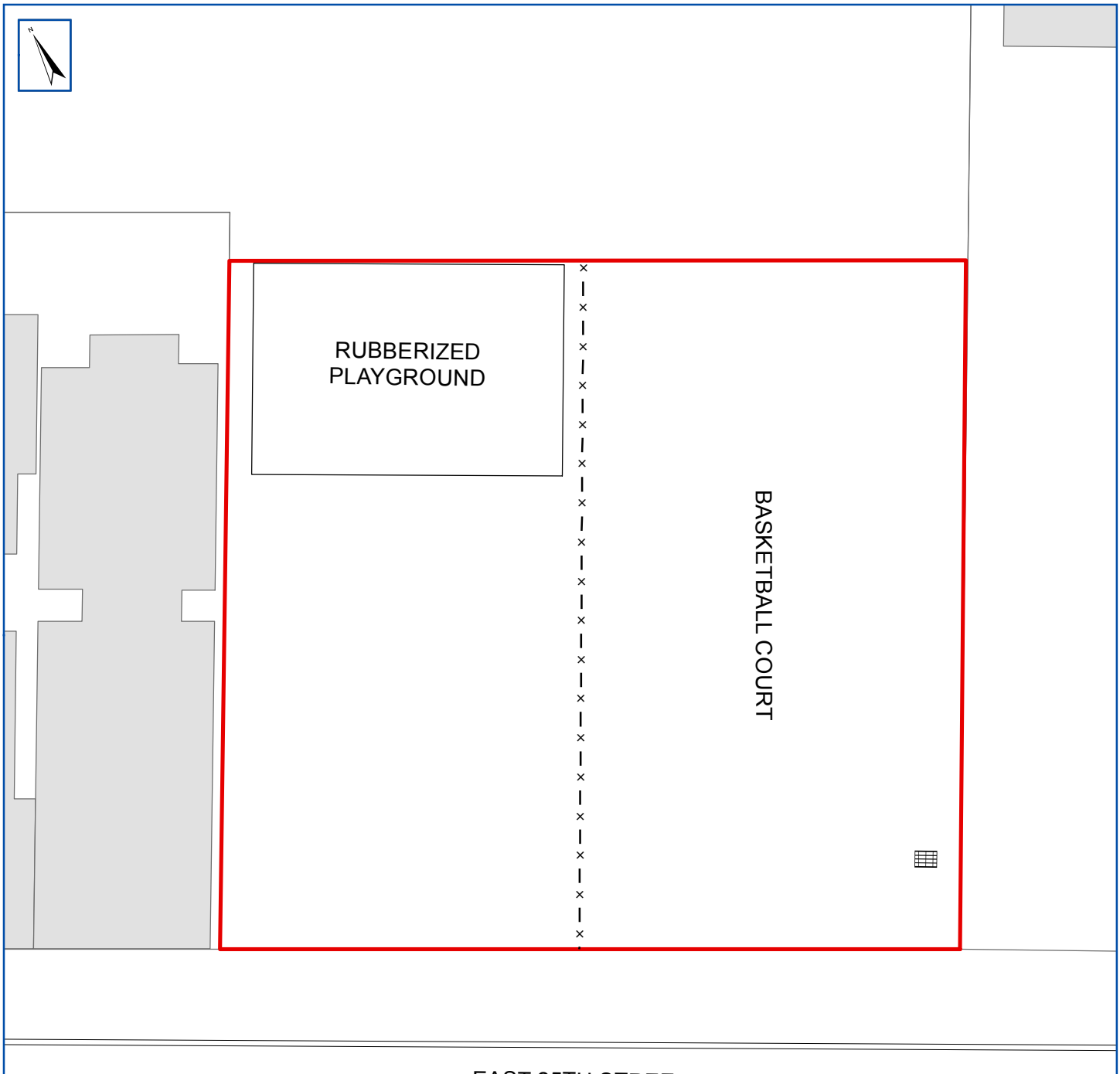
HENRY PHIPPS PLAZA SOUTH (PARCEL 1)
EAST 25TH STREET
NEW YORK, NY

0 ¼ ½ ¾ 1 Miles

PWGC
Strategic Environmental and Engineering Solutions
P.W. GROSSER CONSULTING, INC.
630 Johnson Avenue, • Suite 7
Bohemia • NY • 11716-2618
Phone: (631) 589-6353 • Fax: (631) 589-8705
E-mail: INFO@PWGROSSER.COM

Project:	PHG1301
Date:	9/5/2013
Designed by:	TM
Drawn by:	BB
Approved by:	TM
Figure No:	1

Document Path: D:\GIS\Projects\M-R\PHG\1301\mapfiles\FIG1_VicinityMap.mxd



SITE PLAN

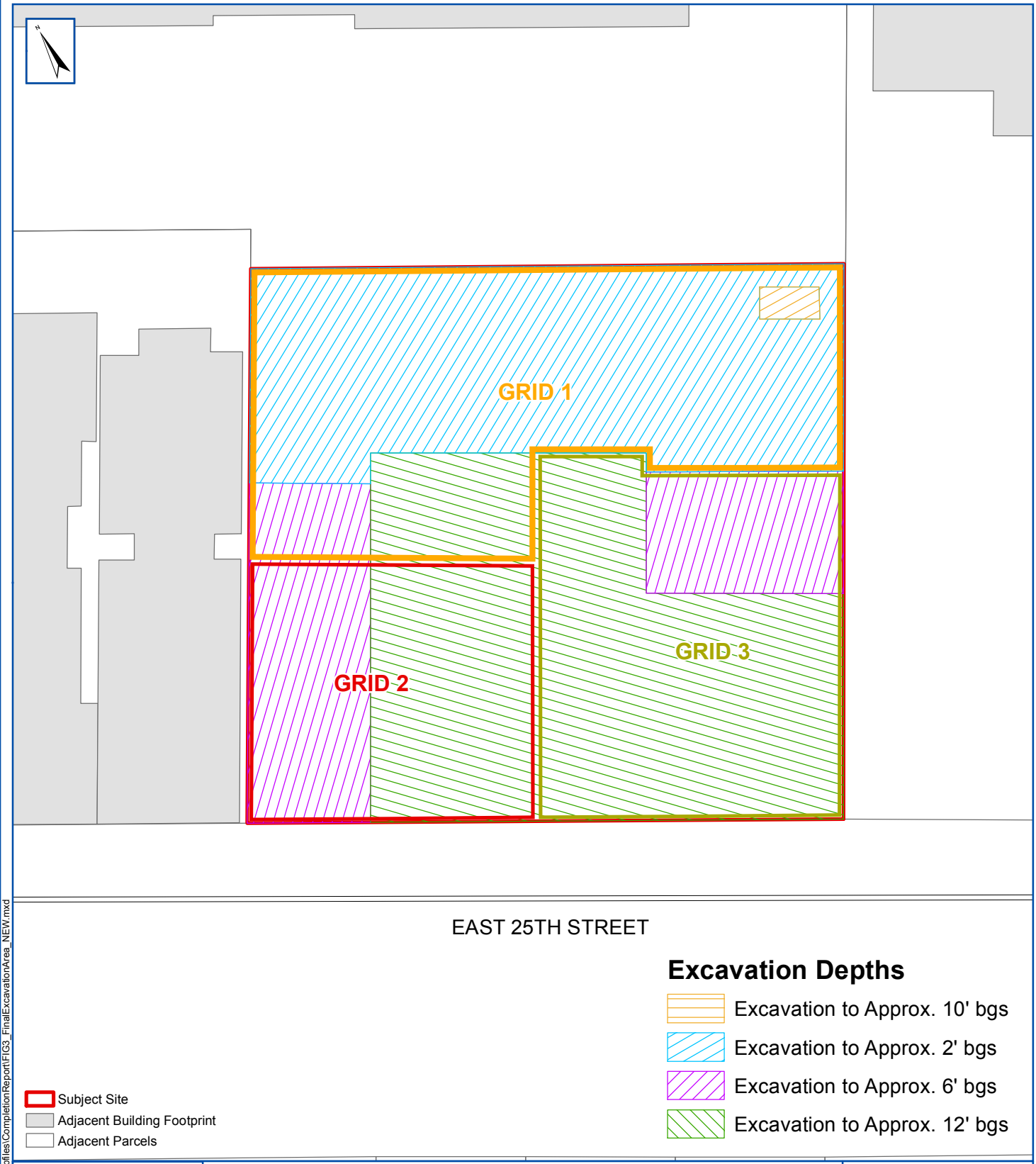
HENRY PHIPPS PLAZA SOUTH (PARCEL 1)
EAST 25TH STREET
NEW YORK, NY

Feet
0 20 40 60 80

PWGC
Strategic Environmental and Engineering Solutions
P.W. GROSSER CONSULTING, INC.
630 Johnson Avenue, • Suite 7
Bohemia • NY • 11716-2618
Phone: (631) 589-6353 • Fax: (631) 589-8705
E-mail: INFO@PWGROSSER.COM

Project:	PHG1301
Date:	9/13/2013
Designed by:	TM
Drawn by:	BB
Approved by:	TM
Figure No:	2

Document Path: D:\GIS\Projects\M-R\PHG\1301\mapfiles\FIG2_SitePlan.mxd



Excavation Depths

- Excavation to Approx. 10' bgs
- Excavation to Approx. 2' bgs
- Excavation to Approx. 6' bgs
- Excavation to Approx. 12' bgs

- Subject Site
- Adjacent Building Footprint
- Adjacent Parcels

FINAL EXCAVATION AREA

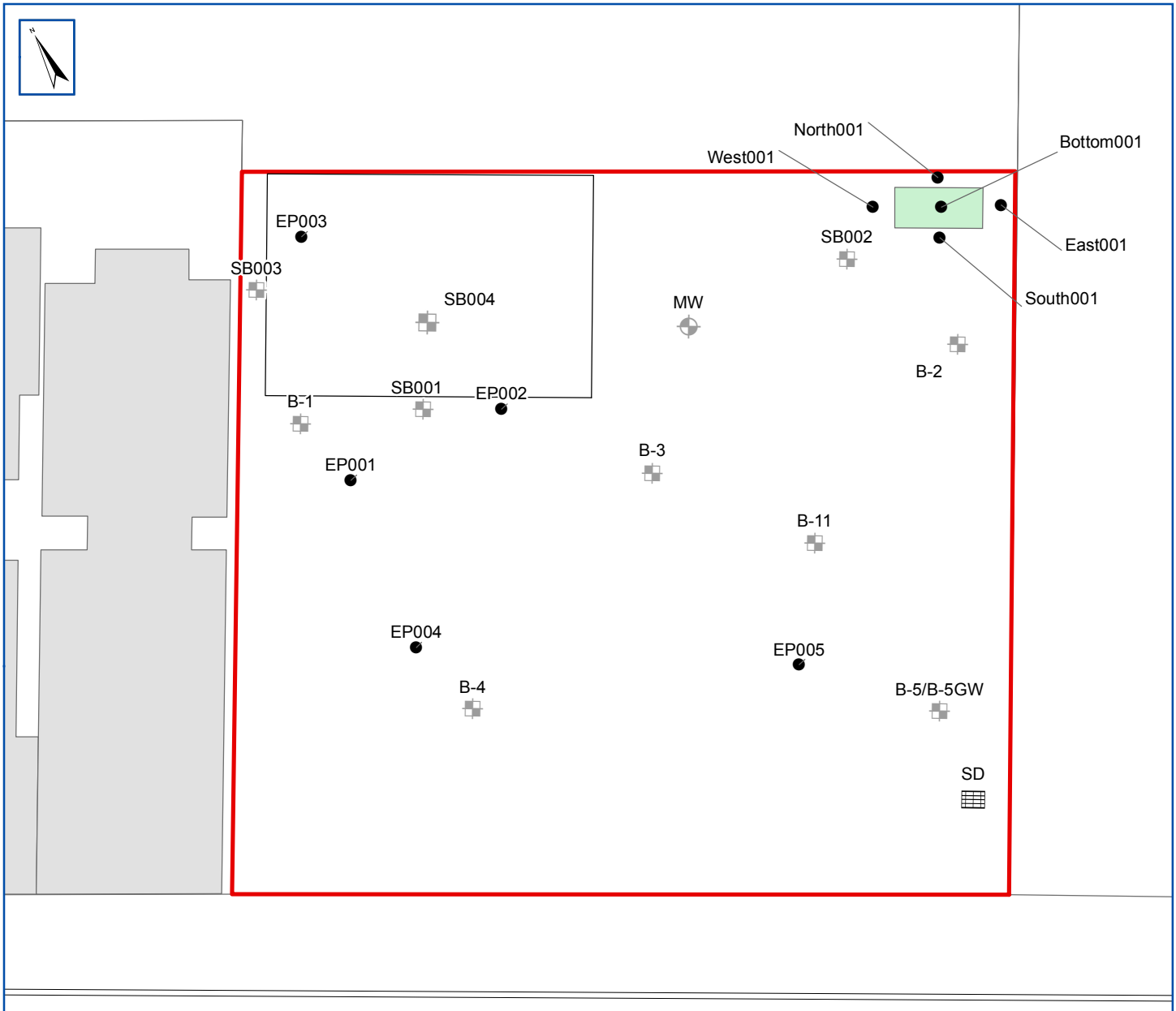
HENRY PHIPPS PLAZA SOUTH (PARCEL 1)
EAST 25TH STREET
NEW YORK, NY

Feet
0 20 40 60 80

PWGC
Strategic Environmental and Engineering Solutions
P.W. GROSSER CONSULTING, INC.
630 Johnson Avenue, • Suite 7
Bohemia • NY • 11716-2618
Phone: (631) 589-6353 • Fax: (631) 589-8705
E-mail: INFO@PWGROSSER.COM

Project:	PHG1301
Date:	2/11/2016
Designed by:	TM
Drawn by:	BB
Approved by:	TM
Figure No:	3

Document Path: Z:\Projects\M-R\PHG1301\mapfiles\CompletionReport\FIG3_FinalExcavationArea_NEW.mxd



- Endpoint Sample Location
- Soil Boring Location (2013)
- Soil Boring Location (2007)
- Monitoring Well
- Subject Site
- Adjacent Building Footprint
- Adjacent Parcels

NOTE: EP001 & EP004 not collected due to presence of shallow bedrock

PWGC
Strategic Environmental and Engineering Solutions
P.W. GROSSER CONSULTING, INC.
630 Johnson Avenue, • Suite 7
Bohemia • NY • 11716-2618
Phone: (631) 589-6353 • Fax: (631) 589-8705
E-mail: INFO@PWGROSSER.COM

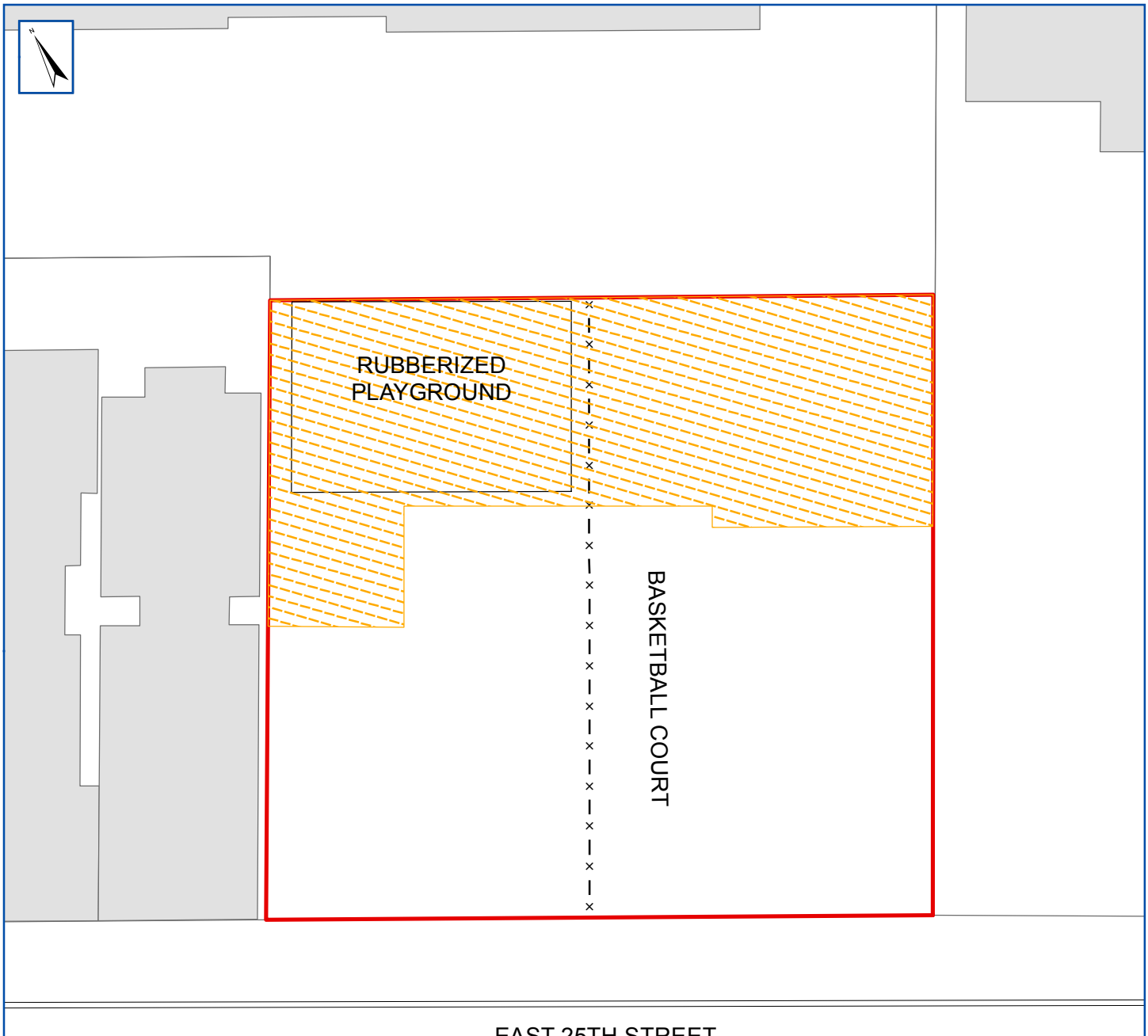
ENDPOINT SAMPLE LOCATIONS

HENRY PHIPPS PLAZA SOUTH (PARCEL 1)
EAST 25TH STREET
NEW YORK, NY

0 20 40 60 80 Feet

Project:	PHG1301
Date:	11/4/2015
Designed by:	TM
Drawn by:	BB
Approved by:	TM
Figure No:	8

Document Path: G:\Projects\M-R\PHG\1301\mapfiles\FIG4_EndpointSampleLocations.mxd



Subject Site
Adjacent Building Footprint
Adjacent Parcels

Backfill Placement Area

REVISED EXCAVATION PLAN

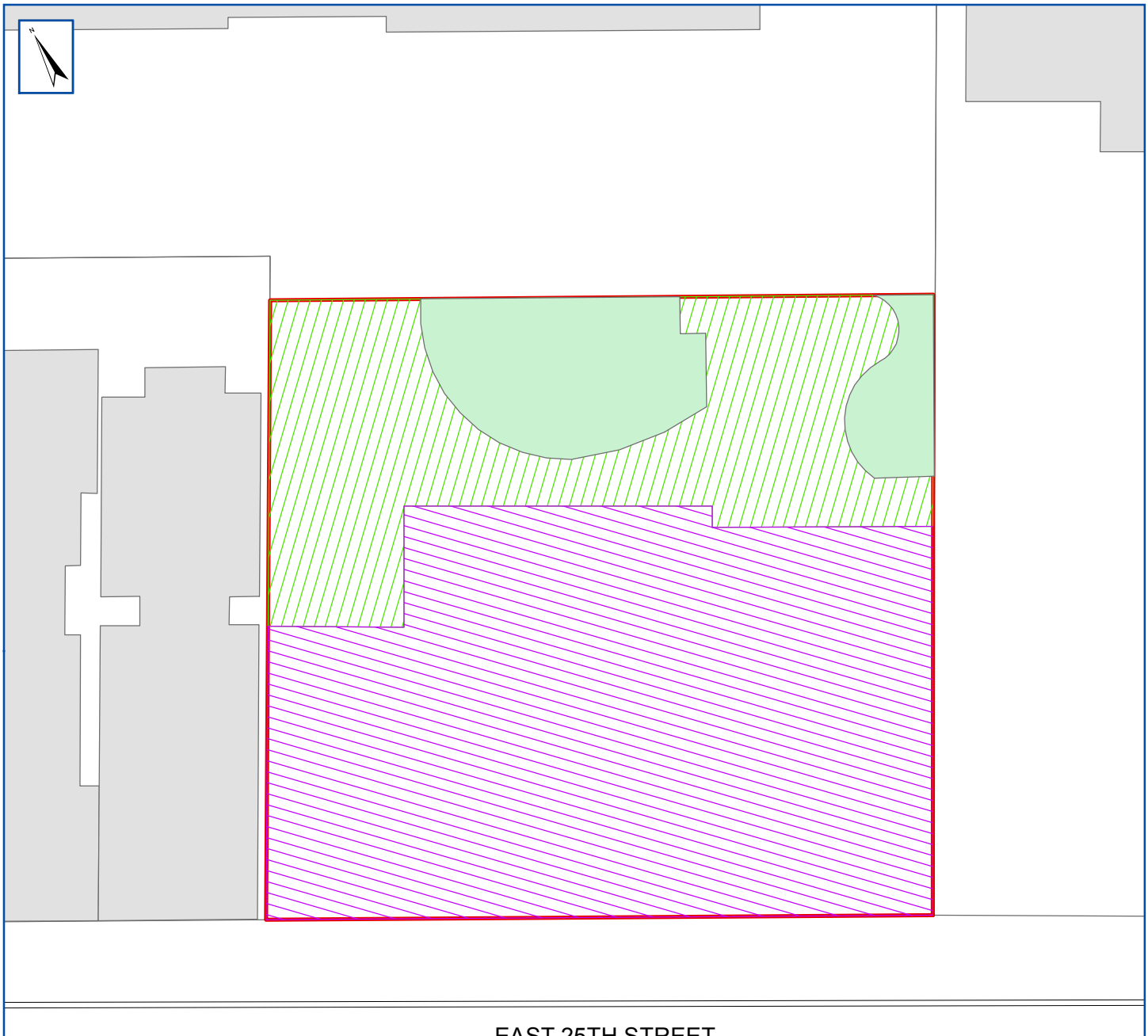
HENRY PHIPPS PLAZA SOUTH (PARCEL 1)
EAST 25TH STREET
NEW YORK, NY

Feet
0 20 40 60 80

PWGC
Strategic Environmental and Engineering Solutions
P.W. GROSSER CONSULTING, INC.
630 Johnson Avenue, • Suite 7
Bohemia • NY • 11716-2618
Phone: (631) 589-6353 • Fax: (631) 589-8705
E-mail: INFO@PWGROSSER.COM

Project:	PHG1301
Date:	11/4/2015
Designed by:	TM
Drawn by:	BB
Approved by:	TM
Figure No:	5

Document Path: G:\Projects\M-R\PHG\1301\mapfiles\FIG5_RevisedExcavationPlan.mxd



Area Capped by 2' Clean Fill Material

Area Capped by 12" Reinforced Concrete Slab

Area Capped by 4" Reinforced Concrete Slab

Subject Site

Adjacent Building Footprint

Adjacent Parcels

COMPOSITE COVER SYSTEM

HENRY PHIPPS PLAZA SOUTH (PARCEL 1)
EAST 25TH STREET
NEW YORK, NY

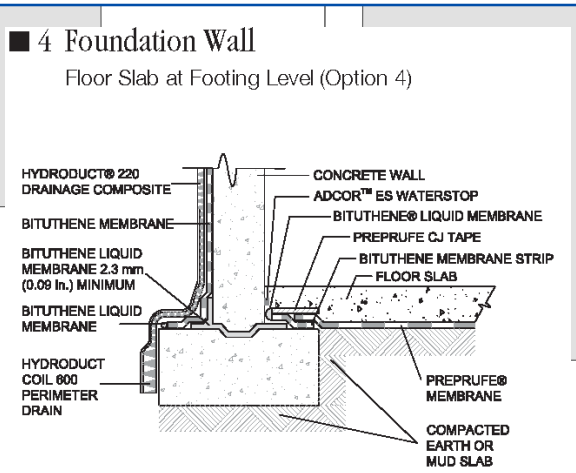
Feet

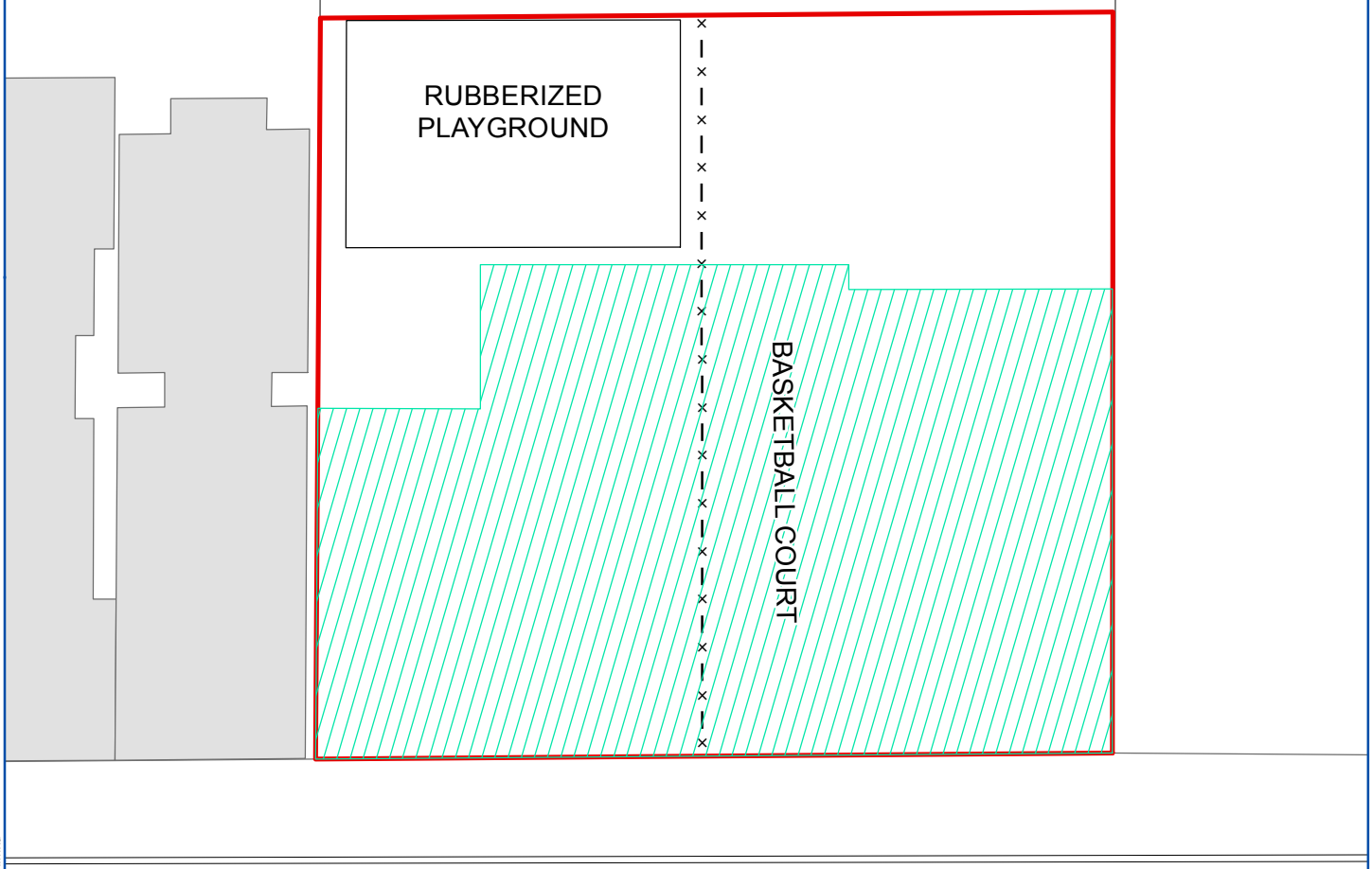
0 20 40 60 80

PWGC
Strategic Environmental and Engineering Solutions
P.W. GROSSER CONSULTING, INC.
630 Johnson Avenue, • Suite 7
Bohemia • NY • 11716-2618
Phone: (631) 589-6353 • Fax: (631) 589-8705
E-mail: INFO@PWGROSSER.COM

Project:	PHG1301
Date:	2/11/2016
Designed by:	TM
Drawn by:	BB
Approved by:	TM
Figure No:	6

Document Path: Z:\Projects\M-R\PHG1301\mapfiles\FIG6_CompositeCoverSystem.mxd





EAST 25TH STREET

× — Fence Line
Subject Site
Adjacent Building Footprint
Adjacent Parcels

Vapor Barrier Installation Area

PWGC
Strategic Environmental and Engineering Solutions
P.W. GROSSER CONSULTING, INC.
630 Johnson Avenue, • Suite 7
Bohemia • NY • 11716-2618
Phone: (631) 589-6353 • Fax: (631) 589-8705
E-mail: INFO@PWGROSSER.COM

VAPOR BARRIER LOCATION

HENRY PHIPPS PLAZA SOUTH (PARCEL 1)
EAST 25TH STREET
NEW YORK, NY

Feet
0 20 40 60 80

Project:	PHG1301
Date:	11/4/2015
Designed by:	TM
Drawn by:	BB
Approved by:	TM
Figure No:	8

Document Path: G:\Projects\M-R\PHG\1301\mapfiles\FIG8_VaporBarrierLocation.mxd

TABLES

Table 1

Endpoint Soil Sample Analytical Results - Semi-Volatile Organic Compounds
Phipps Plaza South (15CVCP032M)

LOCATION	CAS	Unrestricted	Restricted	EP002	EP003	EP005
SAMPLING DATE	Number	Use SCO[1]	Residential	5/13/2015	12/30/2014	5/18/2015
LAB SAMPLE ID			SCO[2]	L1510376-01	L1431255-01	L1510795-01
Semi-Volatile Organic Compounds						
1,2,4,5-Tetrachlorobenzene	95-94-3	NS	NS	0.19 U	0.19 U	0.2 U
1,2,4-Trichlorobenzene	120-82-1	NS	NS	0.19 U	0.19 U	0.2 U
1,2-Dichlorobenzene	95-50-1	1.1	100	0.19 U	0.19 U	0.2 U
1,3-Dichlorobenzene	541-73-1	2.4	49	0.19 U	0.19 U	0.2 U
1,4-Dichlorobenzene	106-46-7	1.8	13	0.19 U	0.19 U	0.2 U
2,4,5-Trichlorophenol	95-95-4	NS	NS	0.19 U	0.19 U	0.2 U
2,4,6-Trichlorophenol	88-06-2	NS	NS	0.11 U	0.12 U	0.12 U
2,4-Dichlorophenol	120-83-2	NS	NS	0.17 U	0.17 U	0.18 U
2,4-Dimethylphenol	105-67-9	NS	NS	0.19 U	0.07 J	0.2 U
2,4-Dinitrophenol	51-28-5	NS	NS	0.91 U	0.92 U	0.96 U
2,4-Dinitrotoluene	121-14-2	NS	NS	0.19 U	0.19 U	0.2 U
2,6-Dinitrotoluene	606-20-2	NS	NS	0.19 U	0.19 U	0.2 U
2-Chloronaphthalene	91-58-7	NS	NS	0.19 U	0.19 U	0.2 U
2-Chlorophenol	95-57-8	NS	NS	0.19 U	0.19 U	0.2 U
2-Methylnaphthalene	91-57-6	NS	NS	0.7	1.8	0.24 U
2-Methylphenol	95-48-7	0.33	100	0.19 U	0.062 J	0.2 U
2-Nitroaniline	88-74-4	NS	NS	0.19 U	0.19 U	0.2 U
2-Nitrophenol	88-75-5	NS	NS	0.41 U	0.42 U	0.43 U
3,3'-Dichlorobenzidine	91-94-1	NS	NS	0.19 U	0.19 U	0.2 U
3-Methylphenol/4-Methylphenol	108-39-4	0.33	100	0.18 J	0.18 J	0.29 U
3-Nitroaniline	99-09-2	NS	NS	0.19 U	0.19 U	0.2 U
4,6-Dinitro-o-cresol	534-52-1	NS	NS	0.5 U	0.5 U	0.52 U
4-Bromophenyl phenyl ether	101-55-3	NS	NS	0.19 U	0.19 U	0.2 U
4-Chloroaniline	106-47-8	NS	NS	0.19 U	0.19 U	0.2 U
4-Chlorophenyl phenyl ether	7005-72-3	NS	NS	0.19 U	0.19 U	0.2 U
4-Nitroaniline	100-01-6	NS	NS	0.19 U	0.19 U	0.2 U
4-Nitrophenol	100-02-7	NS	NS	0.27 U	0.27 U	0.28 U
Acenaphthene	83-32-9	20	100	1.6	5.7	0.16 U
Acenaphthylene	208-96-8	100	100	1.9	3.6	0.16 U
Acetophenone	98-86-2	NS	NS	0.19 U	0.19 U	0.2 U
Anthracene	120-12-7	100	100	5.4	12	0.12 U
Benzo(a)anthracene	56-55-3	1	1	12	28	0.12 U
Benzo(a)pyrene	50-32-8	1	1	10	23	0.16 U
Benzo(b)fluoranthene	205-99-2	1	1	13	34	0.12 U
Benzo(ghi)perylene	191-24-2	100	100	6.6	14	0.16 U
Benzo(k)fluoranthene	207-08-9	0.8	3.9	3.8	12	0.12 U
Benzoic Acid	65-85-0	NS	NS	0.62 U	0.62 U	0.64 U
Benzyl Alcohol	100-51-6	NS	NS	0.19 U	0.19 U	0.2 U
Biphenyl	92-52-4	NS	NS	0.23 J	0.72	0.45 U
Bis(2-chloroethoxy)methane	111-91-1	NS	NS	0.2 U	0.21 U	0.22 U
Bis(2-chloroethyl)ether	111-44-4	NS	NS	0.17 U	0.17 U	0.18 U
Bis(2-chloroisopropyl)ether	108-60-1	NS	NS	0.23 U	0.23 U	0.24 U
Bis(2-Ethylhexyl)phthalate	117-81-7	NS	NS	0.19 U	0.83	0.2 U
Butyl benzyl phthalate	85-68-7	NS	NS	0.19 U	0.19 U	0.2 U
Carbazole	86-74-8	NS	NS	1.8	5.6	0.2 U
Chrysene	218-01-9	1	3.9	12	28	0.12 U
Di-n-butylphthalate	84-74-2	NS	NS	0.19 U	0.19 U	0.2 U
Di-n-octylphthalate	117-84-0	NS	NS	0.19 U	0.19 U	0.2 U
Dibenzo(a,h)anthracene	53-70-3	0.33	0.33	1.6	5.1	0.12 U
Dibenzofuran	132-64-9	7	59	1.4	4.9	0.2 U
Diethyl phthalate	84-66-2	NS	NS	0.19 U	0.19 U	0.2 U
Dimethyl phthalate	131-11-3	NS	NS	0.19 U	0.19 U	0.2 U
Fluoranthene	206-44-0	100	100	27	70	0.12 U
Fluorene	86-73-7	30	100	1.9	6.7	0.2 U
Hexachlorobenzene	118-74-1	0.33	1.2	0.11 U	0.12 U	0.12 U
Hexachlorobutadiene	87-68-3	NS	NS	0.19 U	0.19 U	0.2 U
Hexachlorocyclopentadiene	77-47-4	NS	NS	0.54 U	0.55 U	0.57 U
Hexachloroethane	67-72-1	NS	NS	0.15 U	0.15 U	0.16 U
Indeno(1,2,3-cd)Pyrene	193-39-5	0.5	0.5	7.1	15	0.16 U
Isophorone	78-59-1	NS	NS	0.17 U	0.17 U	0.18 U
n-Nitrosodi-n-propylamine	621-64-7	NS	NS	0.19 U	0.19 U	0.2 U
Naphthalene	91-20-3	12	100	1.6	6	0.2 U
Nitrobenzene	98-95-3	NS	15	0.17 U	0.17 U	0.18 U
NitrosoDiPhenylAmine(NDPA)/DPA	86-30-6	NS	NS	0.15 U	0.15 U	0.16 U
P-Chloro-M-Cresol	59-50-7	NS	NS	0.19 U	0.19 U	0.2 U
Pentachlorophenol	87-86-5	0.8	6.7	0.15 U	0.15 U	0.16 U
Phenanthrene	85-01-8	100	100	23	60	0.12 U
Phenol	108-95-2	0.33	100	0.19 U	0.09 J	0.2 U
Pyrene	129-00-0	100	100	27	54	0.12 U
Total SVOCs	N/A	NS	500*	160	391	ND

Notes:
All Concentrations are in (mg/kg)
1 - Unrestricted Use SCO, 6NYCRR Part 375-6, Remediation Program Soil Cleanup Objectives
2 - Restricted Residential SCO, 6NYCRR Part 375-6, Remediation Program Soil Cleanup Objectives
* - Site Specific SCO based on Approved RAWP
J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL).
U - Not detected at the reported detection limit for the sample.
NS - No standard established
ND - Not detected
Yellow highlighted values exceed Unrestricted Use SCO
Orange highlighted values exceed Restricted Residential SCO

Table 2

Endpoint Soil Sample Analytical Results - Total Metals
Phipps Plaza South (15CVCP032M)

LOCATION	CAS	Unrestricted	Restricted	EP002	EP003	EP005
SAMPLING DATE	Number	Use SCO[1]	Residential	5/13/2015	12/30/2015	5/18/2015
LAB SAMPLE ID			SCO[2]	L1510376-01	L1431255-01	L1510795-01
Total Metals						
Aluminum	7429-90-5	NS	NS	7700	N/A	5600
Antimony	7440-36-0	NS	NS	2.2 J	N/A	4.8 U
Arsenic	7440-38-2	13	16	0.9 U	N/A	2.7
Barium	7440-39-3	350	400	230	N/A	28
Beryllium	7440-41-7	7.2	72	0.3 J	N/A	0.27 J
Cadmium	7440-43-9	2.5	4.3	0.9 U	N/A	0.95 U
Calcium	7440-70-2	NS	NS	14000	N/A	1200
Chromium	7440-47-3	30	180	22	N/A	12
Cobalt	7440-48-4	NS	NS	7.2	N/A	3.9
Copper	7440-50-8	50	270	27	N/A	9.7
Iron	7439-89-6	NS	NS	17000	N/A	9400
Lead	7439-92-1	63	400	110	180	5.9
Magnesium	7439-95-4	NS	NS	4400	N/A	1900
Manganese	7439-96-5	1600	2000	230	N/A	79
Mercury	7439-97-6	0.18	0.81	0.14	N/A	0.08 U
Nickel	7440-02-0	30	310	13	N/A	11
Potassium	7440-09-7	NS	NS	3200	N/A	670
Selenium	7782-49-2	3.9	180	1.8 U	N/A	1.9 U
Silver	7440-22-4	2	180	0.9 U	N/A	0.95 U
Sodium	7440-23-5	NS	NS	160 J	N/A	48 J
Thallium	7440-28-0	NS	NS	1.8 U	N/A	1.9 U
Vanadium	7440-62-2	NS	NS	25	N/A	11
Zinc	7440-66-6	109	10000	140	N/A	30

Notes:
All Concentrations are ppm (mg/kg)
1 - Unrestricted Use SCO, 6NYCRR Part 375-6, Remediation Program Soil Cleanup Objectives
2 - Restricted Residential SCO, 6NYCRR Part 375-6, Remediation Program Soil Cleanup Objectives
J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL).
U - Not detected at the reported detection limit for the sample.
NS - No standard established
Yellow highlighted values exceed Unrestricted Use SCO
Orange highlighted values exceed Restricted Residential SCO

Table 3

Endpoint Soil Sample Analytical Results - UST Excavation Area
Phipps Plaza South (15CVCP032M)

LOCATION	CAS	Unrestricted	Restricted	BOTTOM 001	E SIDE 001	N SIDE 001	S SIDE 001	W SIDE 001
SAMPLING DATE	Number	Use SCO[1]	Residential	2/11/2015	2/11/2015	2/11/2015	2/11/2015	2/11/2015
LAB SAMPLE ID			SCO[2]	L1502612-01	L1502612-04	L1502612-02	L1502612-03	L1502612-05
Volatile Organic Compounds								
1,2,4-Trimethylbenzene	95-63-6	3.6	52	0.11	0.19 J	0.0019 J	0.0018 J	0.0003 J
1,3,5-Trimethylbenzene	108-67-8	8.4	52	0.039	0.066 J	0.00095 J	0.0007 J	0.0062 U
Benzene	71-43-2	0.06	4.8	0.01	0.016 J	0.00065 J	0.00044 J	0.0012 U
Ethylbenzene	100-41-4	1	41	0.014	0.018 J	0.0011 J	0.0014 U	0.0012 U
Isopropylbenzene	98-82-8			0.0055	0.079 U	0.0003 J	0.0014 U	0.0012 U
Methyl tert butyl ether	1634-04-4	0.93	100	0.0024 U	0.16 U	0.0025 U	0.0028 U	0.0025 U
n-Butylbenzene	104-51-8	12	100	0.0071	0.022 J	0.0012 U	0.0014 U	0.0012 U
n-Propylbenzene	103-65-1	3.9	100	0.008	0.079 U	0.00033 J	0.0014 U	0.0012 U
Naphthalene	91-20-3	12	100	0.1	0.23 J	0.0015 J	0.0014 J	0.0013 J
o-Xylene	95-47-6			0.057	0.055 J	0.0028	0.00067 J	0.0025 U
p-Isopropyltoluene	99-87-6			0.0055	0.079 U	0.0012 U	0.0014 U	0.0012 U
p/m-Xylene	179601-23-1			0.11	0.12 J	0.0074	0.0013 J	0.0025 U
sec-Butylbenzene	135-98-8	11	100	0.0053	0.079 U	0.0012 U	0.0014 U	0.0012 U
tert-Butylbenzene	98-06-6	5.9	100	0.0012 J	0.4 U	0.0062 U	0.0069 U	0.0062 U
Toluene	108-88-3	0.7	100	0.0037	0.12 U	0.0004 J	0.0021 U	0.0018 U
Total VOCs	NA	NS	NS	0.4763	0.717	0.01733	0.00631	0.0016
Semi-Volatile Organic Compounds								
Acenaphthene	83-32-9	20	100	0.16 U	0.34	0.045 J	0.15 U	0.12 J
Acenaphthylene	208-96-8	100	100	0.31	0.87	0.15	0.15	0.23
Anthracene	120-12-7	100	100	0.29	1.2	0.26	0.11	0.4
Benzo(a)anthracene	56-55-3	1	1	1.2	3.2	0.5	0.54	1.6
Benzo(a)pyrene	50-32-8	1	1	1.1	2.9	0.48	0.56	1.5
Benzo(b)fluoranthene	205-99-2	1	1	1.4	4.1	0.63	0.68	1.8
Benzo(ghi)perylene	191-24-2	100	100	0.65	1.7	0.4	0.36	1
Benzo(k)fluoranthene	207-08-9	0.8	3.9	0.63	1.4	0.23	0.29	0.75
Chrysene	218-01-9	1	3.9	1.2	3.2	0.52	0.59	1.7
Dibenzo(a,h)anthracene	53-70-3	0.33	0.33	0.19	0.43	0.089 J	0.086 J	0.24
Fluoranthene	206-44-0	100	100	2.5	7.3	0.9	0.83	2.6
Fluorene	86-73-7	30	100	0.2 U	0.41	0.18 U	0.18 U	0.11 J
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	0.5	0.72	1.9	0.37	0.37	0.94
Naphthalene	91-20-3	12	100	0.2 U	0.33	0.18 U	0.18 U	0.19 U
Phenanthrene	85-01-8	100	100	1.1	6.2	0.82	0.39	1.8
Pyrene	129-00-0	100	100	2	6.1	0.88	0.88	2.9
Total SVOCs	NA	NA	500*	13.29	41.58	6.274	5.836	17.69

Notes:
All Concentrations are in (mg/kg)
1 - Unrestricted Use SCO, 6NYCRR Part 375-6, Remediation Program Soil Cleanup Objectives
2 - Restricted Residential SCO, 6NYCRR Part 375-6, Remediation Program Soil Cleanup Objectives
* - Site Specific SCO based on Approved RAWP
J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL).
U - Not detected at the reported detection limit for the sample.
NS - No standard established
ND - Not detected
Yellow highlighted values exceed Unrestricted Use SCO
Orange highlighted values exceed Restricted Residential SCO

Table 4

Backfill Material Source Summary
Phipps Plaza South (15CVCP032M)

Backfill Source	Material	Approximate Quantity (Cubic Yards)	Date sampled	Sample ID (see Tables 5, 6, 7, 8)	Results Acceptable	Resolution
Tilcon, Bronx, New York	Recycled Concrete Aggregate (RCA)	20	N/A	N/A	N/A	NYSDEC registered C&D facility. Verbally approved by OER on 3/16/2015
New York Recycling, Bronx, New York	Sand	500	5/15/2015	SP001	No	Fill material not accepted by OER; not used onsite
Durante & Sons Recycling	Sand	500	5/26/2015	WC001	Yes	Fill material approved by OER via email on 6/2/2015
Durante & Sons Recycling	Sand	500	6/10/2015	WC002	No	Fill material not accepted by OER; not used onsite
Durante & Sons Recycling	Sand	500	6/22/2015	WC003	Yes	Fill material approved by OER via email on 6/25/2015

Table 5

Fill Material Soil Sample Analytical Results - Volatile Organic Compounds
Phipps Plaza South (15CVCP032M)

LOCATION	CAS	Unrestricted	Restricted	SP001	WC001	WC002*	WC003
SAMPLING DATE	Number	Use SCO[1]	Residential	5/15/2015	5/26/2015	6/10/2015	6/22/2015
LAB SAMPLE ID			SCO[2]	L1510704-01	L1511494-01	L1512935-01	L1514055-01
Volatile Organic Compounds							
1,1,1,2-Tetrachloroethane	630-20-6	NS	NS	0.0012 U	0.0013 U	0.0012 U	0.0014 U
1,1,1-Trichloroethane	71-55-6	0.68	100	0.0012 U	0.0013 U	0.0012 U	0.0014 U
1,1,2,2-Tetrachloroethane	79-34-5	NS	NS	0.0012 U	0.0013 U	0.0012 U	0.0014 U
1,1,2-Trichloroethane	79-00-5	NS	NS	0.0018 U	0.002 U	0.0018 U	0.0021 U
1,1-Dichloroethane	75-34-3	0.27	26	0.0018 U	0.002 U	0.0018 U	0.0021 U
1,1-Dichloroethene	75-35-4	0.33	100	0.0012 U	0.0013 U	0.0012 U	0.0014 U
1,1-Dichloropropene	563-58-6	NS	NS	0.0059 U	0.0067 U	0.0059 U	0.007 U
1,2,3-Trichlorobenzene	87-61-6	NS	NS	0.0059 U	0.0067 U	0.0059 U	0.007 U
1,2,3-Trichloropropane	96-18-4	NS	NS	0.012 U	0.013 U	0.012 U	0.014 U
1,2,4,5-Tetramethylbenzene	95-93-2	NS	NS	0.00043 J	0.0037 J	0.0047 U	0.00036 J
1,2,4-Trichlorobenzene	120-82-1	NS	NS	0.0059 U	0.0067 U	0.0059 U	0.007 U
1,2,4-Trimethylbenzene	95-63-6	3.6	52	0.00091 J	0.016	0.0082	0.0018 J
1,2-Dibromo-3-chloropropane	96-12-8	NS	NS	0.0059 U	0.0067 U	0.0059 U	0.007 U
1,2-Dibromoethane	106-93-4	NS	NS	0.0048 U	0.0053 U	0.0047 U	0.0056 U
1,2-Dichlorobenzene	95-50-1	1.1	100	0.0059 U	0.0067 U	0.0059 U	0.007 U
1,2-Dichloroethane	107-06-2	0.02	3.1	0.0012 U	0.0013 U	0.0012 U	0.0014 U
1,2-Dichloroethene, Total	540-59-0	NS	NS	0.0012 U	0.0013 U	0.0012 U	0.0014 U
1,2-Dichloropropane	78-87-5	NS	NS	0.0042 U	0.0047 U	0.0041 U	0.0049 U
1,3,5-Trimethylbenzene	108-67-8	8.4	52	0.00062 J	0.0061 J	0.0024 J	0.007 U
1,3-Dichlorobenzene	541-73-1	2.4	49	0.0059 U	0.0067 U	0.0059 U	0.007 U
1,3-Dichloropropane	142-28-9	NS	NS	0.0059 U	0.0067 U	0.0059 U	0.007 U
1,3-Dichloropropene, Total	542-75-6	NS	NS	0.0012 U	0.0013 U	0.0012 U	0.0014 U
1,4-Dichlorobenzene	106-46-7	1.8	13	0.0059 U	0.0067 U	0.0059 U	0.007 U
1,4-Dioxane	123-91-1	0.1	13	0.12 U	0.13 U	0.12 U	0.14 U
2,2-Dichloropropane	594-20-7	NS	NS	0.0059 U	0.0067 U	0.0059 U	0.007 U
2-Butanone	78-93-3	0.12	100	0.012 U	0.0071 J	0.007 J	0.0073 J
2-Hexanone	591-78-6	NS	NS	0.012 U	0.013 U	0.012 U	0.014 U
4-Methyl-2-pentanone	108-10-1	NS	NS	0.012 U	0.0042 J	0.012 U	0.014 U
Acetone	67-64-1	0.05	100	0.014	0.08	0.065	0.069
Acrylonitrile	107-13-1	NS	NS	0.012 U	0.013 U	0.012 U	0.014 U
Benzene	71-43-2	0.06	4.8	0.00084 J	0.0013	0.0012	0.0014 U
Bromobenzene	108-86-1	NS	NS	0.0059 U	0.0067 U	0.0059 U	0.007 U
Bromochloromethane	74-97-5	NS	NS	0.0059 U	0.0067 U	0.0059 U	0.007 U
Bromodichloromethane	75-27-4	NS	NS	0.0012 U	0.0013 U	0.0012 U	0.0014 U
Bromoform	75-25-2	NS	NS	0.0048 U	0.0053 U	0.0047 U	0.0056 U
Bromomethane	74-83-9	NS	NS	0.0024 U	0.0027 U	0.0023 U	0.0028 U
Carbon disulfide	75-15-0	NS	NS	0.012 U	0.013 U	0.0047 J	0.014 U
Carbon tetrachloride	56-23-5	0.76	2.4	0.0012 U	0.0013 U	0.0012 U	0.0014 U
Chlorobenzene	108-90-7	1.1	100	0.0012 U	0.0013 U	0.0012 U	0.0014 U
Chloroethane	75-00-3	NS	NS	0.0024 U	0.0027 U	0.0023 U	0.0028 U
Chloroform	67-66-3	0.37	49	0.0018 U	0.002 U	0.0018 U	0.0021 U
Chloromethane	74-87-3	NS	NS	0.0059 U	0.0067 U	0.0059 U	0.007 U
cis-1,2-Dichloroethene	156-59-2	0.25	100	0.0012 U	0.0013 U	0.0012 U	0.0014 U
cis-1,3-Dichloropropene	10061-01-5	NS	NS	0.0012 U	0.0013 U	0.0012 U	0.0014 U
Dibromochloromethane	124-48-1	NS	NS	0.0012 U	0.0013 U	0.0012 U	0.0014 U
Dibromomethane	74-95-3	NS	NS	0.012 U	0.013 U	0.012 U	0.014 U
Dichlorodifluoromethane	75-71-8	NS	NS	0.012 U	0.00045 J	0.012 U	0.00034 J
Ethyl ether	60-29-7	NS	NS	0.0013 J	0.00056 J	0.0059 U	0.007 U
Ethylbenzene	100-41-4	1	41	0.00033 J	0.005	0.0043	0.0014 U
Hexachlorobutadiene	87-68-3	NS	NS	0.0059 U	0.0067 U	0.0059 U	0.007 U
Isopropylbenzene	98-82-8	NS	NS	0.0012 U	0.0013 U	0.00033 J	0.0014 U
Methyl tert butyl ether	1634-04-4	0.93	100	0.0024 U	0.0027 U	0.0023 U	0.0028 U
Methylene chloride	75-09-2	0.05	100	0.012 U	0.013 U	0.004 J	0.014 U
n-Butylbenzene	104-51-8	12	100	0.0012 U	0.0011 J	0.00063 J	0.0014 U
n-Propylbenzene	103-65-1	3.9	100	0.0012 U	0.0017	0.0008 J	0.0014 U
Naphthalene	91-20-3	12	100	0.00055 J	0.032	0.056	0.0064 J
o-Chlorotoluene	95-49-8	NS	NS	0.0059 U	0.0067 U	0.0059 U	0.007 U
o-Xylene	95-47-6	NS	NS	0.00066 J	0.012	0.0024	0.0012 J
p-Chlorotoluene	106-43-4	NS	NS	0.0059 U	0.0067 U	0.0059 U	0.007 U
p-Diethylbenzene	105-05-5	NS	NS	0.0013 J	0.0099	0.0025 J	0.00089 J
p-Ethyltoluene	622-96-8	NS	NS	0.001 J	0.01	0.0029 J	0.0011 J
p-Isopropyltoluene	99-87-6	NS	NS	0.0012 U	0.0015	0.0011 J	0.0014 U
p/m-Xylene	179601-23-1	NS	NS	0.0008 J	0.025	0.0043	0.0027 J
sec-Butylbenzene	135-98-8	11	100	0.0012 U	0.0008 J	0.00043 J	0.0014 U
Styrene	100-42-5	NS	NS	0.0024 U	0.0013 J	0.0014 J	0.0028 U
tert-Butylbenzene	98-06-6	5.9	100	0.0059 U	0.0067 U	0.0059 U	0.007 U
Tetrachloroethene	127-18-4	1.3	19	0.002	0.0018	0.0018	0.0014 U
Toluene	108-88-3	0.7	100	0.0011 J	0.0062	0.031	0.0014 J
trans-1,2-Dichloroethene	156-60-5	0.19	100	0.0018 U	0.002 U	0.0018 U	0.0021 U
trans-1,3-Dichloropropene	10061-02-6	NS	NS	0.0012 U	0.0013 U	0.0012 U	0.0014 U
trans-1,4-Dichloro-2-butene	110-57-6	NS	NS	0.0059 U	0.0067 U	0.0059 U	0.007 U
Trichloroethene	79-01-6	0.47	21	0.0012 U	0.0013 U	0.0012 U	0.0014 U
Trichlorofluoromethane	75-69-4	NS	NS	0.0059 U	0.0067 U	0.0059 U	0.007 U
Vinyl acetate	108-05-4	NS	NS	0.012 U	0.013 U	0.012 U	0.014 U
Vinyl chloride	75-01-4	0.02	0.9	0.0024 U	0.0027 U	0.0023 U	0.0028 U
Xylenes, Total	1330-20-7	0.26	100	0.0015 J	0.037	0.0067	0.0039 J

Notes:
All Concentrations are in (mg/kg)
1 - Unrestricted Use SCO, 6NYCRR Part 375-6, Remediation Program Soil Cleanup Objectives
2 - Restricted Residential SCO, 6NYCRR Part 375-6, Remediation Program Soil Cleanup Objectives
* - Sample erroneously identifed as WC001 on chain of custody and lab report
J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL).
U - Not detected at the reported detection limit for the sample.
NS - No standard established
Yellow highlighted values exceed Unrestricted Use SCO
Orange highlighted values exceed Restricted Residential SCO

Table 6

Fill Material Soil Sample Analytical Results - Semi-Volatile Organic Compounds
Phipps Plaza South (15CVCP032M)

LOCATION	CAS	Unrestricted	Restricted	SP001	WC001	WC002*	WC003
SAMPLING DATE	Number	Use SCO[1]	Residential	5/15/2015	5/26/2015	6/10/2015	6/22/2015
LAB SAMPLE ID			SCO[2]	L1510704-01	L1511494-01	L1512935-01	L1514055-01
Semi-Volatile Organic Compounds							
1,2,4,5-Tetrachlorobenzene	95-94-3	NS	NS	0.18 U	0.18 U	0.41 U	0.18 U
1,2,4-Trichlorobenzene	120-82-1	NS	NS	0.18 U	0.18 U	0.41 U	0.18 U
1,2-Dichlorobenzene	95-50-1	1.1	100	0.18 U	0.18 U	0.41 U	0.18 U
1,3-Dichlorobenzene	541-73-1	2.4	49	0.18 U	0.18 U	0.41 U	0.18 U
1,4-Dichlorobenzene	106-46-7	1.8	13	0.18 U	0.18 U	0.41 U	0.18 U
2,4,5-Trichlorophenol	95-95-4	NS	NS	0.18 U	0.18 U	0.41 U	0.18 U
2,4,6-Trichlorophenol	88-06-2	NS	NS	0.11 U	0.11 U	0.25 U	0.11 U
2,4-Dichlorophenol	120-83-2	NS	NS	0.16 U	0.16 U	0.37 U	0.17 U
2,4-Dimethylphenol	105-67-9	NS	NS	0.18 U	0.18 U	0.41 U	0.18 U
2,4-Dinitrophenol	51-28-5	NS	NS	0.86 U	0.86 U	2 U	0.88 U
2,4-Dinitrotoluene	121-14-2	NS	NS	0.18 U	0.18 U	0.41 U	0.18 U
2,6-Dinitrotoluene	606-20-2	NS	NS	0.18 U	0.18 U	0.41 U	0.18 U
2-Chloronaphthalene	91-58-7	NS	NS	0.18 U	0.18 U	0.41 U	0.18 U
2-Chlorophenol	95-57-8	NS	NS	0.18 U	0.18 U	0.41 U	0.18 U
2-Methylnaphthalene	91-57-6	NS	NS	0.07 J	0.12 J	4.9	0.22
2-Methylphenol	95-48-7	0.33	100	0.18 U	0.18 U	0.41 U	0.18 U
2-Nitroaniline	88-74-4	NS	NS	0.18 U	0.18 U	0.41 U	0.18 U
2-Nitrophenol	88-75-5	NS	NS	0.39 U	0.39 U	0.89 U	0.4 U
3,3'-Dichlorobenzidine	91-94-1	NS	NS	0.18 U	0.18 U	0.41 U	0.18 U
3-Methylphenol/4-Methylphenol	108-39-4	0.33	100	0.26 U	0.26 U	0.6 U	0.26 U
3-Nitroaniline	99-09-2	NS	NS	0.18 U	0.18 U	0.41 U	0.18 U
4,6-Dinitro-o-cresol	534-52-1	NS	NS	0.47 U	0.46 U	1.1 U	0.48 U
4-Bromophenyl phenyl ether	101-55-3	NS	NS	0.18 U	0.18 U	0.41 U	0.18 U
4-Chloroaniline	106-47-8	NS	NS	0.18 U	0.18 U	0.41 U	0.18 U
4-Chlorophenyl phenyl ether	7005-72-3	NS	NS	0.18 U	0.18 U	0.41 U	0.18 U
4-Nitroaniline	100-01-6	NS	NS	0.18 U	0.18 U	0.41 U	0.18 U
4-Nitrophenol	100-02-7	NS	NS	0.25 U	0.25 U	0.58 U	0.26 U
Acenaphthene	83-32-9	20	100	0.099 J	0.12 J	3.5	0.19
Acenaphthylene	208-96-8	100	100	0.14	0.083 J	1.4	0.047 J
Acetophenone	98-86-2	NS	NS	0.18 U	0.18 U	0.41 U	0.18 U
Anthracene	120-12-7	100	100	0.34	0.28	7.3	0.4
Benzo(a)anthracene	56-55-3	1	1	0.87	0.59	6.7	0.86
Benzo(a)pyrene	50-32-8	1	1	0.82	0.52	5.7	0.75
Benzo(b)fluoranthene	205-99-2	1	1	1.2	0.65	7	0.83
Benzo(ghi)perylene	191-24-2	100	100	0.55	0.36	3.2	0.5
Benzo(k)fluoranthene	207-08-9	0.8	3.9	0.45	0.27	2.4	0.38
Benzoic Acid	65-85-0	NS	NS	0.58 U	0.58 U	1.3 U	0.6 U
Benzyl Alcohol	100-51-6	NS	NS	0.18 U	0.18 U	1.1	0.18 U
Biphenyl	92-52-4	NS	NS	0.41 U	0.41 U	1	0.42 U
Bis(2-chloroethoxy)methane	111-91-1	NS	NS	0.19 U	0.19 U	0.45 U	0.2 U
Bis(2-chloroethyl)ether	111-44-4	NS	NS	0.16 U	0.16 U	0.37 U	0.17 U
Bis(2-chloroisopropyl)ether	108-60-1	NS	NS	0.22 U	0.21 U	0.5 U	0.22 U
Bis(2-Ethylhexyl)phthalate	117-81-7	NS	NS	0.32	0.12 J	0.41 U	0.33
Butyl benzyl phthalate	85-68-7	NS	NS	0.18 U	0.49	0.73	0.1 J
Carbazole	86-74-8	NS	NS	0.11 J	0.14 J	3.4	0.16 J
Chrysene	218-01-9	1	3.9	0.87	0.59	6.6	0.98
Di-n-butylphthalate	84-74-2	NS	NS	0.18 U	0.18 U	0.41 U	0.18 U
Di-n-octylphthalate	117-84-0	NS	NS	0.18 U	0.18 U	0.41 U	0.18 U
Dibenzo(a,h)anthracene	53-70-3	0.33	0.33	0.18	0.079 J	0.75	0.13
Dibenzofuran	132-64-9	7	59	0.065 J	0.096 J	4.8	0.11 J
Diethyl phthalate	84-66-2	NS	NS	0.18 U	0.18 U	0.41 U	0.18 U
Dimethyl phthalate	131-11-3	NS	NS	0.18 U	0.18 U	0.41 U	0.18 U
Fluoranthene	206-44-0	100	100	1.8	1.3	14	1.9
Fluorene	86-73-7	30	100	0.12 J	0.15 J	5.3	0.2
Hexachlorobenzene	118-74-1	0.33	1.2	0.11 U	0.11 U	0.25 U	0.11 U
Hexachlorobutadiene	87-68-3	NS	NS	0.18 U	0.18 U	0.41 U	0.18 U
Hexachlorocyclopentadiene	77-47-4	NS	NS	0.51 U	0.51 U	1.2 U	0.53 U
Hexachloroethane	67-72-1	NS	NS	0.14 U	0.14 U	0.33 U	0.15 U
Indeno(1,2,3-cd)Pyrene	193-39-5	0.5	0.5	0.62	0.38	3.5	0.51
Isophorone	78-59-1	NS	NS	0.16 U	0.16 U	0.37 U	0.17 U
n-Nitrosodi-n-propylamine	621-64-7	NS	NS	0.18 U	0.18 U	0.41 U	0.18 U
Naphthalene	91-20-3	12	100	0.074 J	0.17 J	14	0.25
Nitrobenzene	98-95-3	NS	15	0.16 U	0.16 U	0.37 U	0.17 U
NitrosoDiPhenylAmine(NDPA)/DPA	86-30-6	NS	NS	0.14 U	0.14 U	0.33 U	0.15 U
P-Chloro-M-Cresol	59-50-7	NS	NS	0.18 U	0.18 U	0.41 U	0.18 U
Pentachlorophenol	87-86-5	0.8	6.7	0.14 U	0.14 U	0.33 U	0.15 U
Phenanthrene	85-01-8	100	100	0.97	1.1	16	1.6
Phenol	108-95-2	0.33	100	0.18 U	0.18 U	0.41 U	0.18 U
Pyrene	129-00-0	100	100	1.7	1.1	12	2
Total SVOCs	N/A	NS	500**	11.37	8.71	125.28	12.45

Notes:
All Concentrations are in (mg/kg)
1 - Unrestricted Use SCO, 6NYCRR Part 375-6, Remediation Program Soil Cleanup Objectives
2 - Restricted Residential SCO, 6NYCRR Part 375-6, Remediation Program Soil Cleanup Objectives
* - Sample erroneously identifed as WC001 on chain of custody and lab report
** - Site Specific SCO based on Approved RAWP
J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL).
U - Not detected at the reported detection limit for the sample.
NS - No standard established
ND - Not detected
Yellow highlighted values exceed Unrestricted Use SCO
Orange highlighted values exceed Restricted Residential SCO

Table 7

Fill Material Soil Sample Analytical Results - Total Metals
Phipps Plaza South (15CVCP032M)

LOCATION	CAS	Unrestricted	Restricted	SP001	WC001	WC002*	WC003
SAMPLING DATE	Number	Use SCO[1]	Residential	5/15/2015	5/26/2015	6/10/2015	6/22/2015
LAB SAMPLE ID			SCO[2]	L1510704-01	L1511494-01	L1512935-01	L1514055-01
Total Metals							
Aluminum, Total	7429-90-5	NS	NS	9100	6300	5000	6900
Antimony, Total	7440-36-0	NS	NS	4.1 U	4.3 U	4.9 U	4.4 U
Arsenic, Total	7440-38-2	13	16	2.4	5.4	3	4
Barium, Total	7440-39-3	350	400	110	63	58	65
Beryllium, Total	7440-41-7	7.2	72	0.3 J	0.24 J	0.16 J	0.25 J
Cadmium, Total	7440-43-9	2.5	4.3	0.82 U	0.85 U	0.07 J	0.87 U
Calcium, Total	7440-70-2	NS	NS	17000	44000	42000	34000
Chromium, Total	7440-47-3	30	180	20	14	14	17
Cobalt, Total	7440-48-4	NS	NS	7.3	3.2	3.1	4
Copper, Total	7440-50-8	50	270	27	22	18	23
Iron, Total	7439-89-6	NS	NS	16000	8700	7800	11000
Lead, Total	7439-92-1	63	400	76	58	34	34
Magnesium, Total	7439-95-4	NS	NS	6200	4200	8600	5200
Manganese, Total	7439-96-5	1600	2000	280	160	160	190
Mercury, Total	7439-97-6	0.18	0.81	0.15	0.1	0.15	0.08
Nickel, Total	7440-02-0	30	310	17	7.8	7.8	11
Potassium, Total	7440-09-7	NS	NS	2400	910	870	1400
Selenium, Total	7782-49-2	3.9	180	1.6 U	0.32 J	1.9 U	0.28 J
Silver, Total	7440-22-4	2	180	0.82 U	0.85 U	0.97 U	0.87 U
Sodium, Total	7440-23-5	NS	NS	530	480	1000	620
Thallium, Total	7440-28-0	NS	NS	1.6 U	1.7 U	1.9 U	1.7 U
Vanadium, Total	7440-62-2	NS	NS	28	16	17	22
Zinc, Total	7440-66-6	109	10000	86	61	49	71

Notes:
All Concentrations are in (mg/kg)
1 - Unrestricted Use SCO, 6NYCRR Part 375-6, Remediation Program Soil Cleanup Objectives
2 - Restricted Residential SCO, 6NYCRR Part 375-6, Remediation Program Soil Cleanup Objectives
* - Sample erroneously identifed as WC001 on chain of custody and lab report
J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL).
U - Not detected at the reported detection limit for the sample.
NS - No standard established
ND - Not detected
Yellow highlighted values exceed Unrestricted Use SCO
Orange highlighted values exceed Restricted Residential SCO

Table 8

Fill Material Soil Sample Analytical Results - Pesticides PCBs
Phipps Plaza South (15CVCP032M)

LOCATION SAMPLING DATE LAB SAMPLE ID	CAS Number	Unrestricted Use SCO[1]	Restricted Residential SCO[2]	SP001 5/15/2015 L1510704-01	WC001 5/26/2015 L1511494-01	WC002* 6/10/2015 L1512935-01	WC003 6/22/2015 L1514055-01
Pesticides							
4,4'-DDD	72-54-8	0.0033	13	0.00172 U	0.00186	0.00196 U	0.00176 U
4,4'-DDE	72-55-9	0.0033	8.9	0.00633	0.00927	0.00327	0.00454
4,4'-DDT	50-29-3	0.0033	7.9	0.0235	0.0194	0.00324 J	0.0095
Aldrin	309-00-2	0.005	0.097	0.00172 U	0.00409	0.00196 U	0.00176 U
Alpha-BHC	319-84-6	0.02	0.48	0.000715 U	0.000722 U	0.000819 U	0.000735 U
Beta-BHC	319-85-7	0.036	0.36	0.00172 U	0.00173 U	0.00196 U	0.00176 U
Chlordane	57-74-9	NS	NS	0.0255	0.127	0.0814	0.0437
cis-Chlordane	5103-71-9	0.094	4.2	0.00342	0.0203	0.00979	0.00441
Delta-BHC	319-86-8	0.04	100	0.00172 U	0.00173 U	0.00196 U	0.00176 U
Dieldrin	60-57-1	0.005	0.2	0.00202	0.00457	0.00377	0.004
Endosulfan I	959-98-8	2.4	24	0.00172 U	0.00173 U	0.00196 U	0.00176 U
Endosulfan II	33213-65-9	2.4	24	0.00172 U	0.00173 U	0.00196 U	0.00176 U
Endosulfan sulfate	1031-07-8	2.4	24	0.000715 U	0.000722 U	0.000819 U	0.000735 U
Endrin	72-20-8	0.014	11	0.000715 U	0.000722 U	0.000819 U	0.000735 U
Endrin ketone	53494-70-5	NS	NS	0.00172 U	0.00173 U	0.00196 U	0.00176 U
Heptachlor	76-44-8	0.042	2.1	0.00119	0.000866 U	0.00171	0.00133
Heptachlor epoxide	1024-57-3	NS	NS	0.00322 U	0.00298 J	0.00368 U	0.00132 J
Lindane	58-89-9	0.1	1.3	0.000715 U	0.000722 U	0.000819 U	0.000735 U
Methoxychlor	72-43-5	NS	NS	0.00322 U	0.00325 U	0.00368 U	0.00331 U
Toxaphene	8001-35-2	NS	NS	0.0322 U	0.0325 U	0.0368 U	0.0331 U
trans-Chlordane	5103-74-2	NS	NS	0.00352 PI	0.0181	0.00685	0.00583
Poly-Chlorinated Biphenyls							
Aroclor 1016	12674-11-2	0.1	1	0.0362 U	0.0357 U	0.041 U	0.0363 U
Aroclor 1221	11104-28-2	0.1	1	0.0362 U	0.0357 U	0.041 U	0.0363 U
Aroclor 1232	11141-16-5	0.1	1	0.0362 U	0.0357 U	0.041 U	0.0363 U
Aroclor 1242	53469-21-9	0.1	1	0.0362 U	0.0176 J	0.041 U	0.0363 U
Aroclor 1248	12672-29-6	0.1	1	0.0362 U	0.0357 U	0.041 U	0.0363 U
Aroclor 1254	11097-69-1	0.1	1	0.0158 J	0.0357 U	0.0127 J	0.0156 J
Aroclor 1260	11096-82-5	0.1	1	0.0106 J	0.00693 J	0.00919 J	0.0132 J
Aroclor 1262	37324-23-5	0.1	1	0.0362 U	0.0357 U	0.041 U	0.0363 U
Aroclor 1268	11100-14-4	0.1	1	0.0362 U	0.0357 U	0.041 U	0.0363 U
PCBs, Total	1336-36-3	NS	NS	0.0264 J	0.0245 J	0.0219 J	0.0288 J

Notes:
All Concentrations are in (mg/kg)
1 - Unrestricted Use SCO, 6NYCRR Part 375-6, Remediation Program Soil Cleanup Objectives
2 - Restricted Residential SCO, 6NYCRR Part 375-6, Remediation Program Soil Cleanup Objectives
* - Sample erroneously identifed as WC001 on chain of custody and lab report
J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL).
U - Not detected at the reported detection limit for the sample.
NS - No standard established
ND - Not detected
Yellow highlighted values exceed Unrestricted Use SCO
Orange highlighted values exceed Restricted Residential SCO

APPENDIX A

REMDIAL INVESTIAGTION REPORT

HENRY PHIPPS PLAZA SOUTH (PARCEL 1)
325 EAST 25TH STREET (BLOCK 931, LOT 17)
MANHATTAN, NEW YORK
NYCOER PROJECT 14RHAZ082M

REMEDIAL INVESTIGATION REPORT

SUBMITTED TO:

New York City Office of Environmental Remediation
E-Designation Program
253 Broadway, 14th Floor
New York, New York 10007

PREPARED FOR:

Henry Phipps Plaza South HDFC
902 Broadway, 13th Floor
New York, New York 10010

PREPARED BY:

P.W. Grosser Consulting, Inc.
630 Johnson Avenue, Suite 7
Bohemia, New York 11716
Phone: 631-589-6353
Fax: 631-589-8705

James P. Rhodes, CPG, Sr. Principal jimr@pwgrosser.com
Thomas Melia, Project Manager thomasm@pwgrosser.com

PWGC Project Number: PHG1301

SEPTEMBER 2013

HENRY PHIPPS PLAZA SOUTH (PARCEL 1)

MANHATTAN, NEW YORK

Remedial Investigation Report

NYCOER Site Number: 14RHAZ082M

Prepared for:

Henry Phipps Plaza South HDFC

902 Broadway, 13th Floor, New York, New York 10010

212-243-9090

Prepared by:

P.W. Grosser Consulting, Inc.

630 Johnson Avenue, Suite 7, Bohemia, New York 11716

631-589-6353

September 2013

REMEDIAL INVESTIGATION REPORT
TABLE OF CONTENTS

FIGURES

TABLES

APPENDICES

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, Thomas J. Melia, 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 Henry Phipps Plaza South (Parcel 1) Site, (NYC OER Site No. 14RHAZ082M). 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.

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 325 East 25th Street in the Kips Bay section of Manhattan, New York and is identified as Block 931 and Lot 17 on the New York City Tax Map. **Figure 1** shows the Site location. The Site is 9,275-square feet and is bounded by a 14-story residential building (444-458 2nd Avenue) to the north, East 25th Street to the south, a surface parking lot which is an accessory to a 25-story NYU Dormitory building (334 East 26th Street) to the east, and a 5-story residential building (319-321 East 25th Street) to the west. A map of the site boundary is shown in **Figure 2**. Currently, the Site is used as a playground (western half of site) and storage for a nursery/landscaping company (eastern half of site); the property is completely paved, but contains no buildings or other permanent improvements.

Summary of Proposed Redevelopment Plan

The proposed future use of the Site will consist of a nine-story residential building with a partial basement (approx. total gross square footage of 53,600 square feet). The building will contain approximately 56 residential units. The footprint of the building will encompass approximately two-thirds of the property; the rear third of the property not covered by the building footprint will be used as outdoor passive recreation space. The partial basement will be used for utility/machinery space and storage. Construction of the basement will require excavation to a depth of approximately 12 feet below ground surface (bgs). Proposed development plans are included as **Appendix A**. The current zoning designation is R8 Residential. The proposed use is consistent with existing zoning for the property.

Summary of Past Uses of Site and Areas of Concern

Merritt Engineering Consultants, PC (MEC) prepared a Phase I ESA for the site in May 2007; PWGC prepared a Phase I ESA Update in November 2007. Based on the MEC and PWGC reports, the property has been developed since at least the late 1800s. Based on review

of Sanborn Maps and Historical City Directories, since at least 1890 through at least 1963, the property has been utilized for various commercial uses, as detailed below. Note that, historically, addresses associated with the subject property have included 323 to 329 East 25th Street.

Sanborn Map Review

- 1890 to 899: The subject property appears to be improved with four buildings. The building located at 323 East 25th Street is identified as "Provisions". The use of the other buildings is unknown.
- 1910: The properties located at 325-329 East 25th Street are improved with buildings utilized as stores and dwellings. The buildings are identified as 3-4 stories with basements. The property identified as 323 East 25th Street is utilized as a 2-story stable, and identified as "Express".
- 1929: The property located at 329 East 25th Street was utilized as a 4-story dwelling with a basement. The property identified as 323 East 25th Street remains a 2-story stable, identified as "Express". The property at 325-327 East 25th Street was improved with a 3-story building with a basement. The first floor was utilized as an automobile garage.
- 1950: The property located at 329 East 25th Street remains a 4-story dwelling with a basement. The property at 325-327 East 25th Street remained a 3-story building, which was vacant. The property identified as 323 East 25th Street was improved with a 2-story building that was utilized as an auto body repairing shop on the 1st floor, and was vacant on the second floor.
- 1968 to 1996: The subject property appears to be vacant.

Historical City Directory Review

- 1923-1927: NY Metal Goods
- 1927: Bilt Well Sign System Elec Inc.
- 1950-1958: M&H Auto Body Repair Co
- 1956-1963: Various photography companies
- 1927-1942: NY Linen Supply and Laundry

- 1956-1963: QT McGovern Trucking Co., Inc.

Based on the Phase I and Phase II ESA's prepared for the site no specific areas of concern (AOC) have been identified.

Summary of the Work Performed under the Remedial Investigation

PWGC performed the following scope of work:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed three soil borings across the entire project Site, and collected three soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. Collected one groundwater samples from the existing monitoring well at the site for chemical analysis to evaluate groundwater quality;
4. Installed three soil vapor probes within the proposed building footprint and collected three samples for chemical analysis.

Summary of Environmental Findings

1. Elevation of the property is approximately 22 feet.
2. Depth to groundwater is approximately 11 to 12 feet at the Site.
3. Regional groundwater flow is generally from west to east beneath the Site.
4. Depth to bedrock is ranges from approximately five to at least 15 feet at the Site.
5. The stratigraphy of the site, from the surface down, consists of approximately 10 feet of fill material, underlain by at least five feet of sandy soils which appeared to be native material, underlain by bedrock.
6. Soil/fill samples collected during the RI showed SVOC and lead impact in the vicinity of boring B-1 in the northwestern portion of the site in excess of Restricted Residential SCOs. SVOC, barium and lead impact in excess of Restricted Residential SCOs was identified beneath the northern portion of the site at location SB002.

7. Groundwater samples collected during the RI showed metals impact beneath the site; however, metals detected (iron, magnesium, manganese, and sodium) are commonly found in groundwater as a result of the chemical composition of the aquifer soils.

8. Soil vapor samples collected during the RI did not identify VOC impact in excess of NYSDOH AGVs; compounds for which NYSDOH has created decision matrices were not detected.

REMEDIAL INVESTIGATION REPORT

1.0 SITE BACKGROUND

P.W. Grosser Consulting, Inc. (PWGC) has prepared this report on behalf of Henry Phipps Plaza South HDFC to document a Remedial Investigation (RI) performed to address a Restrictive Declaration associated with a 0.21-acre site located at 325 East 25th Street in the Kips Bay section of Manhattan, New York. Residential use is proposed for the property. The RI work was performed on August 22 through 23, 2013. 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 325 East 25th Street in the Kips Bay section of Manhattan, New York and is identified as Block 931 and Lot 17 on the New York City Tax Map. **Figure 1** shows the Site location. The Site is 9,275-square feet and is bounded by a 14-story residential building (444-458 2nd Avenue) to the north, East 25th Street to the south, a surface parking lot which is an accessory to a 25-story NYU Dormitory building (334 East 26th Street) to the east, and a 5-story residential building (319-321 East 25th Street) to the west. A map of the site boundary is shown in **Figure 2**. Currently, the Site is used as a playground (western half of site) and storage for a nursery/landscaping company (eastern half of site); the property is completely paved, but contains no buildings or other permanent improvements.

1.2 Proposed Redevelopment Plan

The proposed future use of the Site will consist of a nine-story residential building with a partial basement (approx. total gross square footage of 53,600 square feet). The building will contain approximately 56 residential units. The footprint of the building will encompass approximately two-thirds of the property; the rear third of the property not covered by the building footprint will be used as outdoor passive recreation space. The partial basement will be used for utility/machinery space and storage. Construction of the basement will require excavation to a depth of approximately 12 feet below ground surface (bgs). Proposed

development plans are included as **Appendix A**. The current zoning designation is R8 Residential. The proposed use is consistent with existing zoning for the property.

1.3 Description of Surrounding Property

The area surrounding the subject property is comprised of a mix of residential and commercial properties. One sensitive receptor is located adjacent to the subject property. The Acorn School (330 East 26th Street), a day care center is located adjacent to the north. Two additional sensitive receptors are located in close proximity (within 0.1 mile) to the subject property. Nearby sensitive receptors in the vicinity of the site include two hospitals: Bellevue Hospital Center (462 First Avenue, 0.1 mile east), and Veterans Administration NY Harbor Healthcare System Manhattan Campus (423 East 23rd Street, 0.1 mile southeast)

Figure 3 shows the surrounding land usage.

2.0 SITE HISTORY

2.1 Past Uses and Ownership

Merritt Engineering Consultants, PC (MEC) prepared a Phase I ESA for the site in May 2007; PWGC prepared a Phase I ESA Update in November 2007. Based on the MEC and PWGC reports, the property has been developed since at least the late 1800s. Based on review of Sanborn Maps and Historical City Directories, since at least 1890 through at least 1963, the property has been utilized for various commercial uses, as detailed below. Note that, historically, addresses associated with the subject property have included 323 to 329 East 25th Street.

Sanborn Map Review

- 1890 to 899: The subject property appears to be improved with four buildings. The building located at 323 East 25th Street is identified as "Provisions". The use of the other buildings is unknown.
- 1910: The properties located at 325-329 East 25th Street are improved with buildings utilized as stores and dwellings. The buildings are identified as 3-4 stories with basements. The property identified as 323 East 25th Street is utilized as a 2-story stable, and identified as "Express".
- 1929: The property located at 329 East 25th Street was utilized as a 4-story dwelling with a basement. The property identified as 323 East 25th Street remains a 2-story stable, identified as "Express". The property at 325-327 East 25th Street was improved with a 3-story building with a basement. The first floor was utilized as an automobile garage.
- 1950: The property located at 329 East 25th Street remains a 4-story dwelling with a basement. The property at 325-327 East 25th Street remained a 3-story building, which was vacant. The property identified as 323 East 25th Street was improved with a 2-story building that was utilized as an auto body repairing shop on the 1st floor, and was vacant on the second floor.
- 1968 to 1996: The subject property appears to be vacant.

Historical City Directory Review

- 1923-1927: NY Metal Goods
- 1927: Bilt Well Sign System Elec Inc.
- 1950-1958: M&H Auto Body Repair Co
- 1956-1963: Various photography companies
- 1927-1942: NY Linen Supply and Laundry
- 1956-1963: QT McGovern Trucking Co., Inc.

2.2 Previous Investigations

PWGC performed a Phase II Environmental Site Assessment (ESA) in August/September 2007. The Phase II ESA included a geophysical survey, as well as soil and groundwater sampling. Findings of the Phase II ESA included the following:

- The geophysical survey did not identify anomalies at the site indicative of the presence of underground storage tanks (USTs).
- SVOC and metals impact at concentrations exceeding Unrestricted Use SCOs was identified throughout the site in shallow (0 to 2 feet bgs) soils. SVOC and metals impact in soils beneath the 0 to 2 foot interval was limited to one location, soil boring B-1 at 3 to 5 feet bgs. With the exception of lead at soil boring B-1 at 3 to 5 feet bgs, metals impact was below Restricted Residential SCOs.
- VOC, pesticide and PCB impact was not detected at concentrations above Restricted Residential SCOs in soils at the site.
- Several metals were detected at concentrations exceeding their respective AWQS in groundwater samples collected form the site. Based on the concentration differences between filtered and unfiltered groundwater samples elevated metals concentrations were likely the result of sample turbidity. Additionally, the groundwater samples were collected at or near bedrock, which is typically associated with higher metal concentrations in groundwater due to dissolved minerals from fractures in the bedrock.
- VOC, SVOC, pesticide and PCB impact was not detected in groundwater samples collected from the site.

- Sample data from the 2007 Phase II ESA is included in Table 1 through Table 8.

Based on the 2007 Phase II ESA, PWGC prepared a Remedial Action Plan (RAP) for the site which included the offsite disposal of excess soils and installation of a vapor barrier during construction. The RAP was submitted to NYCDEP who approved it and issued a Notice to Proceed; however, for reasons unrelated to environmental conditions at the site, construction of the new development did not begin and the RAP was not implemented.

2.3 Site Inspection

Prior to the start of investigation field work, PWGC performed a site inspection to identify potential areas of concern (AOCs) not previously identified during the Phase I ESA/Phase II ESA, and obstructions that may impede the scope of work detailed in the approved Phase II ESA Work Plan. The site inspection was performed on August 22, 2013 by Mr. Thomas Melia of PWGC.

Based on the site inspection, no additional AOCs were identified. With the exception of access to proposed soil boring location SB004, no access limitations were identified. Soil boring SB004 was intended to be installed within the existing playground area; this area is elevated approximately two feet above the remainder of the site and as such, was inaccessible to the drill rig. Due to the lack of access, samples will be collected from location SB004 during construction. PWGC notified NYCOER of the revised plan for location SB004 in an email dated August 22, 2013.

2.4 Areas of Concern

Based on the Phase I and Phase II ESA's prepared for the site no specific areas of concern (AOC) have been identified.

3.0 PROJECT MANAGEMENT

3.1 Project Organization

The Qualified Environmental Profession (QEP) responsible for preparation of this RIR is Mr. Thomas Melia of PWGC.

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

PWGC performed the following scope of work:

5. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
6. Installed three soil borings across the entire project Site, and collected three soil samples for chemical analysis from the soil borings to evaluate soil quality;
7. Collected one groundwater samples from the existing monitoring well at the site for chemical analysis to evaluate groundwater quality;
8. Installed three soil vapor probes within the proposed building footprint and collected three samples for chemical analysis.

4.1 Geophysical Investigation

A geophysical survey was performed at the site during the 2007 Phase II ESA (see Section 2.2). No anomalies indicative of the presence of USTs were identified at the subject property.

4.2 Borings and Monitoring Wells

Drilling and Soil Logging

In accordance with the approved Work Plan, three borings were installed at the site. One additional boring was planned but not installed due to access limitations (see Section 2.3). Boring locations and sample depths were selected to fill existing data gaps from the 2007 Phase II ESA. Specifically, borings SB001 and SB003 were intended to further delineate the lead and SVOC hotspot identified at location B-1 in 2007, and borings SB002 and SB004 were intended to characterize soils that will not be removed during construction (i.e., deeper than two feet bgs) beneath the portion of the site not covered by the proposed building footprint.

At each of the three soil boring locations, soil samples were collected continuously from grade to approximately five feet below grade. At each boring location, a PWGC hydrogeologist characterized soils in accordance with the Unified Soil Classification System (USCS) and field screened soils for the presence of volatile organic compounds (VOCs) using a photoionization detector (PID). PID response above background levels were not detected in soils collected from the site.

Soil borings were installed using a Geoprobe® direct push drill rig following standard Geoprobe® operation and sampling procedures (Geoprobe® SOP No. 95-8500). Non-dedicated sampling equipment was cleaned using distilled water and Alconox detergent with a distilled water rinse prior to the collection of each sample.

Boring logs were prepared by a PWGC Field Hydrogeologist and are attached in **Appendix B**. A map showing the location of soil borings and monitor wells is shown in **Figure 4**.

Groundwater Monitoring Well Construction

In accordance with the approved Work Plan, one groundwater sample was collected from one preexisting monitoring well at the site. The existing monitoring well was installed as part of a geotechnical investigation at the site in 2006. Prior to sampling, PWGC redeveloped the well by the overpurging method.

Monitor well locations are shown in **Figure 4**.

4.3 Sample Collection and Chemical Analysis

Sampling performed as part of the field investigation was conducted to address existing data gaps from the 2007 Phase II ESA for the site 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

In accordance with the approved Work Plan, PWGC collected soil samples as follows:

- SB001 and SB003 – 3 to 5 feet below grade.
- SB002 – 2 to 4 feet below grade.

Samples were collected in pre-cleaned, laboratory supplied glassware and stored in a cooler on ice. Non-dedicated sampling equipment was cleaned using distilled water and a laboratory grade detergent with a distilled water rinse prior to the collection of each sample. Samples were transported to the laboratory by courier under proper chain of custody procedures.

Three 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 **Table 1** through **Table 4**. **Figure 4** shows the location of samples collected in this investigation. Laboratories and analytical methods are shown below.

Groundwater Sampling

In accordance with the approved Work Plan, PWGC collected one groundwater sample. The sample was collected using low-flow purging and sampling methods. Filtered and unfiltered samples were collected for metals analysis; filtering of metals samples was performed by the analytical laboratory, not in the field. Samples were collected in pre-cleaned, pre-preserved, laboratory supplied glassware and stored in a cooler on ice. Non-dedicated sampling equipment was cleaned using distilled water and a laboratory grade detergent with a distilled water rinse prior to the collection of each sample. Samples were transported to the laboratory by courier under proper chain of custody procedures.

One groundwater sample was collected for chemical analysis during this RI. Groundwater sample collection data is reported in Table 5 through Table 8. Sampling logs with information on purging and sampling of groundwater monitoring wells is included in **Appendix C**. **Figure 4** shows the location of groundwater samples. Laboratories and analytical methods are shown below.

Soil Vapor Sampling

In accordance with the approved Work Plan, three soil vapor sampling points were installed at the site. Due to the presence of shallow bedrock at the site, vapor sampling implants were installed to the following depths: SV001 2 to 3 feet bgs, SV002 7 to 8 feet bgs, and SV003 9 to 10 feet bgs. Soil-vapor sampling points were installed in accordance with NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York (October 2006) using a Geoprobe® direct push drill rig following standard Geoprobe® operation and sampling procedures (Geoprobe® SOP No. 95-8500).

Sampling points were constructed of a dedicated stainless steel screen fitted with inert tubing to grade. Porous, inert backfill material was added to create a sampling zone 1 to 2 feet in length. Each sampling point was sealed above the sampling zone with bentonite slurry for a minimum distance of 3 feet to prevent outdoor air infiltration and the remainder of the borehole was backfilled with clean material. Soil vapor sampling points were allowed to equilibrate for a minimum of 24 hours prior to sample collection.

Soil vapor samples were collected using laboratory provided, certified-clean 1.0L SUMMA® canisters fitted with a pre-set flow regulator. Canisters were pre-set with an initial vacuum of approximately 29 inches of mercury (in. of Hg) for sample collection and flow regulators pre-set to provide uniform sample collection over an approximate 2-hour sampling period. Sample collection was ceased (i.e., the valve on the canister closed) with a minimum of one inch of Hg vacuum remained in the canister, leaving a vacuum in the canister as a means for the laboratory to verify the canister did not leak while in transit.

Approximately one to three implant volumes was purged from each sampling point prior to sample collection. A tracer gas (helium) was used prior and subsequent to sample collection to verify that adequate sampling techniques were used and that the implant seal did not leak. The sample flow rate did not exceed 0.2 liters per minute.

Three soil vapor probes were installed and three soil vapor samples were collected for chemical analysis during this RI. Soil vapor sampling locations are shown in **Figure 4**. Soil vapor sample collection data is reported in Table 9. Soil vapor sampling logs are included in **Appendix D**. Methodologies used for soil vapor assessment conform to the *NYS DOH Final Guidance on Soil Vapor Intrusion, October 2006.*

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 Mr. James Rhodes of PWGC.
Chemical Analytical Laboratory	Chemical analytical laboratory used in the RI is NYS ELAP certified and was Alpha Analytical (ELAP ID11148)
Chemical Analytical Methods	Soil 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); 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 Table 1 through **Table 9**, respectively. Laboratory data deliverables for all samples evaluated in this RIR are provided in digital form in **Appendix E**.

5.0 ENVIRONMENTAL EVALUATION

5.1 Geological and Hydrogeological Conditions

Stratigraphy

Soils beneath the site were characterized to a depth of approximately fifteen feet below grade (including the 2007 Phase II ESA and current RI). Bedrock at the site dips to the east; bedrock was encountered at depths of approximately five feet bgs beneath the western portion of the property; approximately 15 feet bgs in the central portion of the property, and was not encountered as drilling depths (up to 15 feet bgs) beneath the eastern portion of the property. In general, soils above bedrock consisted of medium and fine grained sands with gravel, and construction fill material (brick and asphalt). Evidence of the presence of non-native, construction fill material (e.g., crushed concrete, red brick) was identified throughout the site. In general, evidence of fill material was identified in soils from zero to ten feet bgs throughout the site; sandy soils that may be native material were encountered from 10 to 15 feet bgs beneath the central and eastern portions of the site.

Hydrogeology

Groundwater was encountered at a depth of 11.5 feet below grade at the monitoring well location at the site. Regional groundwater flow in the vicinity of the site is toward the east.

5.2 Soil Chemistry

A total of three soil samples were collected as part of this RI. Samples were collected from soil borings SB001 (3 to 5 feet), SB002 (2 to 4 feet) and SB003 (3 to 5 feet). Samples collected from borings SB001 and SB003 were intended to further delineate the lead and SVOC hotspot identified at location B-1 in 2007; samples collected from boring SB002 were intended to characterize soils that will not be removed during construction (i.e., deeper than two feet bgs) beneath the portion of the site not covered by the proposed building footprint. Based on conversations with NYCOER, site specific SCOs for the subject property will include 250 ppm for total SVOCs, and 1,000 ppm for lead.

Samples collected from borings SB001 and SB003 analyzed for SVOCs and lead; the sample collected from boring SB002 was analyzed for the full suite of NYCOER parameters.

Multiple SVOCs and lead were detected at concentrations exceeding their respective Restricted Residential SCOs in samples collected from borings SB001 and SB003. Total SVOC concentrations in the samples collected from borings SB001 (17.4 ppm) and SB003 (110.5 ppm) were below NYCOER's site specific SCO of 250 ppm. Lead concentrations in samples collected from SB001 (1300 ppm) and SB003 (1900 ppm) while less than those detected at location B-1 in 2007 still exceed the site specific SCO of 1000 ppm. Collection of additional lead delineation/endpoint samples will be addressed in the RAP.

SVOCs and metals were detected at concentrations exceeding their respective Restricted Residential SCOs in the sample collected from boring SB002. Total SVOC impact detected (132.8 ppm) was similar to concentrations detected at other locations throughout the site, and below NYCOER's site specific SCO of 250 ppm for total SVOCs. Metals impact included lead; lead was detected at a concentration above its Restricted Residential SCO (830 ppm), but below the concentrations detected in the vicinity of location B-1 and the site specific SCO of 1000 ppm. Two pesticide compounds (4,4'-DDE and 4,4'-DDT) were detected at concentrations slightly above their respective Unrestricted Use SCOs but below the corresponding Restricted Residential SCOs. VOCs and PCBs were not detected at concentrations exceeding their respective Unrestricted Use SCOs in the sample collected from boring location SB002.

Data collected during the RI is sufficient to delineate the vertical and horizontal distribution of contaminants in soil/fill at the Site, with the exception of lead in the vicinity of location B-1 which will be further addressed in the RAP. A summary table of data for chemical analyses performed on soil samples is included in **Table 1** through **Table 4**.

Figure 5 shows the location and posts the values for soil/fill that exceed the 6NYCRR Part 375-6.8 Track 2 Soil Cleanup Objectives.

5.3 Groundwater Chemistry

One groundwater sample was collected as part of this RI. The sample was collected from preexisting monitoring well MW. The groundwater sample was analyzed for the full suite of NYCOER parameters, including dissolved (filtered) and total (unfiltered) metals.

Several metals were detected at concentrations exceeding their respective AWQS in the groundwater sample collected from monitoring well MW. Metals impact was similar to what was detected at that location in 2007, and consisted of metals that are commonly found in groundwater as a result of the chemical composition of the aquifer soils (iron, magnesium, manganese, sodium). VOCs, SVOCs, pesticides and PCBs were not detected at concentrations exceeding their respective AWQS in groundwater.

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 **Table 5** through **Table 8**.

Figure 6 shows the location and posts the values for groundwater that exceed the New York State 6NYCRR Part 703.5 Class GA groundwater standards.

5.4 Soil Vapor Chemistry

A total of three soil vapor samples were collected from the site. VOCs were not detected at concentrations exceeding their respective AGV in soil vapor samples collected from the site. Additionally, the compounds that NYSDOH has developed decision matrices for (carbon tetrachloride, 1,1-dichloroethene, cis-1,2-dichloroethene, PCE, TCE, 1,1,1-trichloroethane, and vinyl chloride), were not detected above the laboratory method detection limit (MDL) in soil vapor at the site.

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 9**.

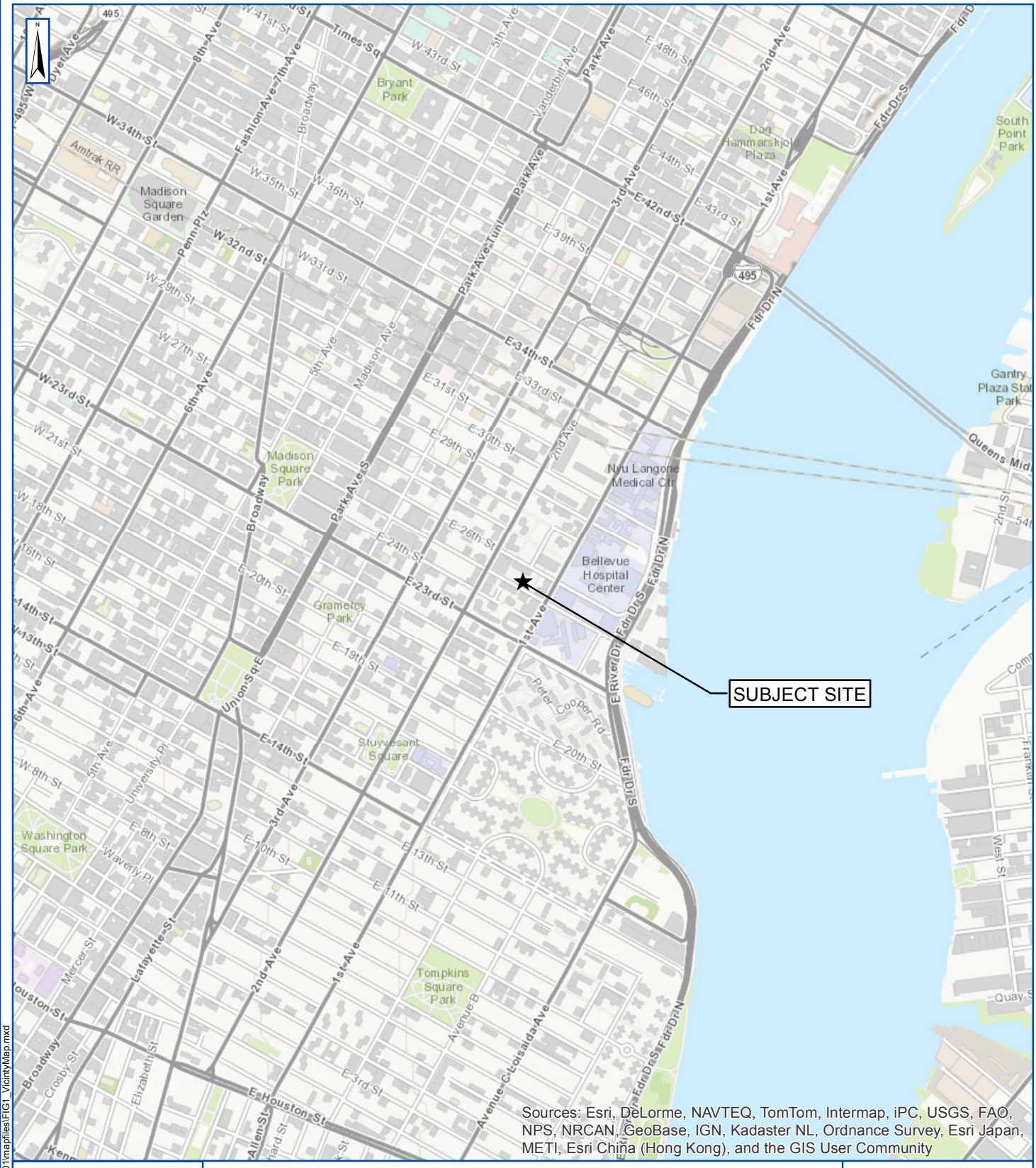
5.5 Prior Activity

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.

Figures



VICINITY MAP

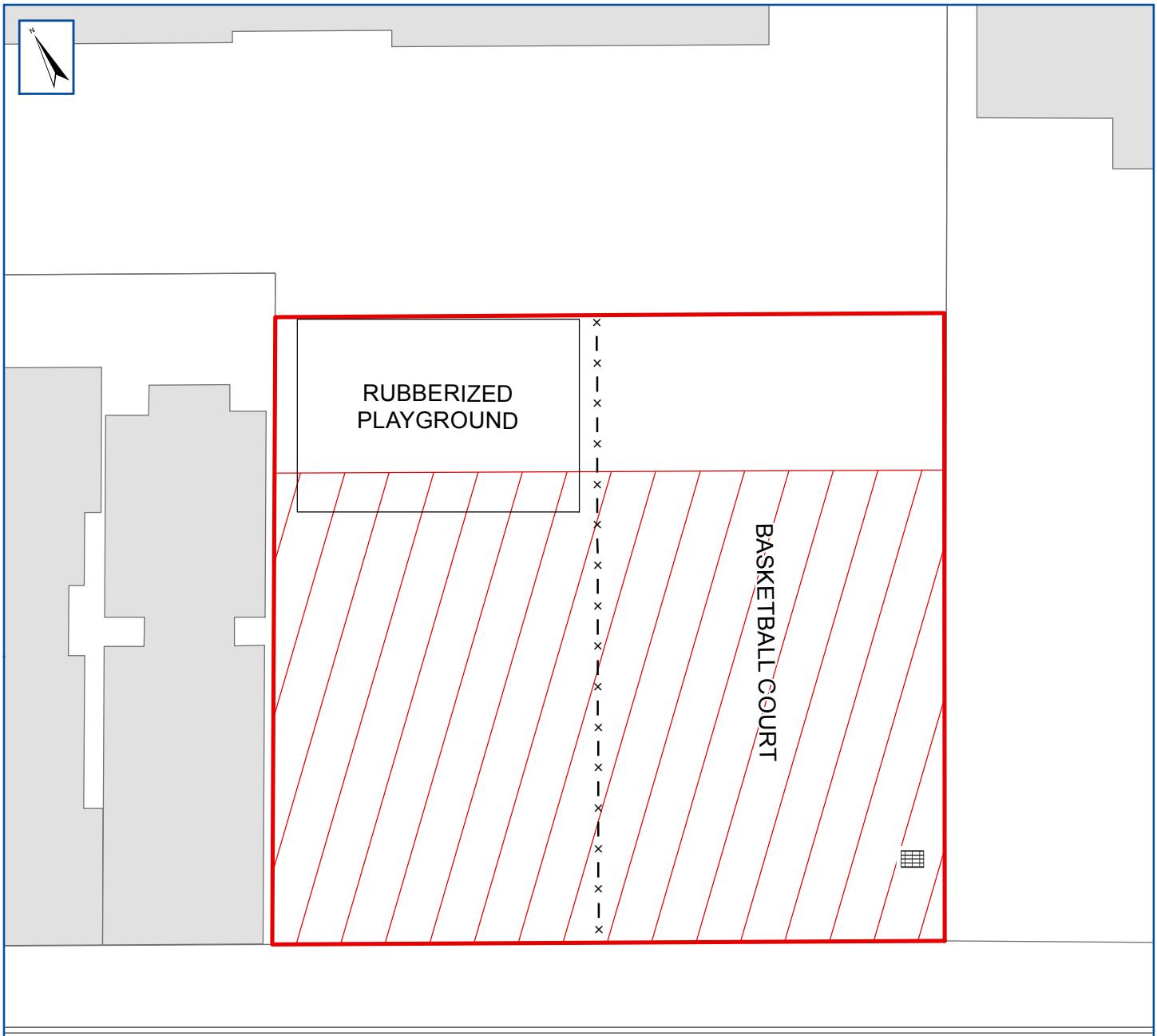
HENRY PHIPPS PLAZA SOUTH (PARCEL 1)
EAST 25TH STREET
NEW YORK, NY

0 ¼ ½ ¾ 1 Miles

PWGC
Strategic Environmental and Engineering Solutions
P.W. GROSSER CONSULTING, INC.
630 Johnson Avenue, • Suite 7
Bohemia • NY • 11716-2618
Phone: (631) 589-6353 • Fax: (631) 589-8705
E-mail: INFO@PWGROSSER.COM

Project:	PHG1301
Date:	9/5/2013
Designed by:	TM
Drawn by:	BB
Approved by:	TM
Figure No:	1

Document Path: D:\GIS\Projects\M-R\PHG\1301\mapfiles\FIG1_VicinityMap.mxd



Storm Drain

Fence Line

Subject Site

Approx. Footprint of Proposed New Building

Adjacent Building Footprint

Adjacent Parcels

PWGC
Strategic Environmental and Engineering Solutions
P.W. GROSSER CONSULTING, INC.
630 Johnson Avenue, • Suite 7
Bohemia • NY • 11716-2618
Phone: (631) 589-6353 • Fax: (631) 589-8705
E-mail: INFO@PWGROSSER.COM

SITE PLAN

HENRY PHIPPS PLAZA SOUTH (PARCEL 1)
EAST 25TH STREET
NEW YORK, NY

0 20 40 60 80 Feet

Project:	PHG1301
Date:	9/5/2013
Designed by:	TM
Drawn by:	BB
Approved by:	TM
Figure No:	2

Document Path: D:\GIS\Projects\M-R\PHG\1301\mapfiles\FIG2_SitePlan.mxd

Document Path: D:\GIS\Projects\M-R\PHG1301\mapfiles\FIG3_SurroundingProperties.mxd

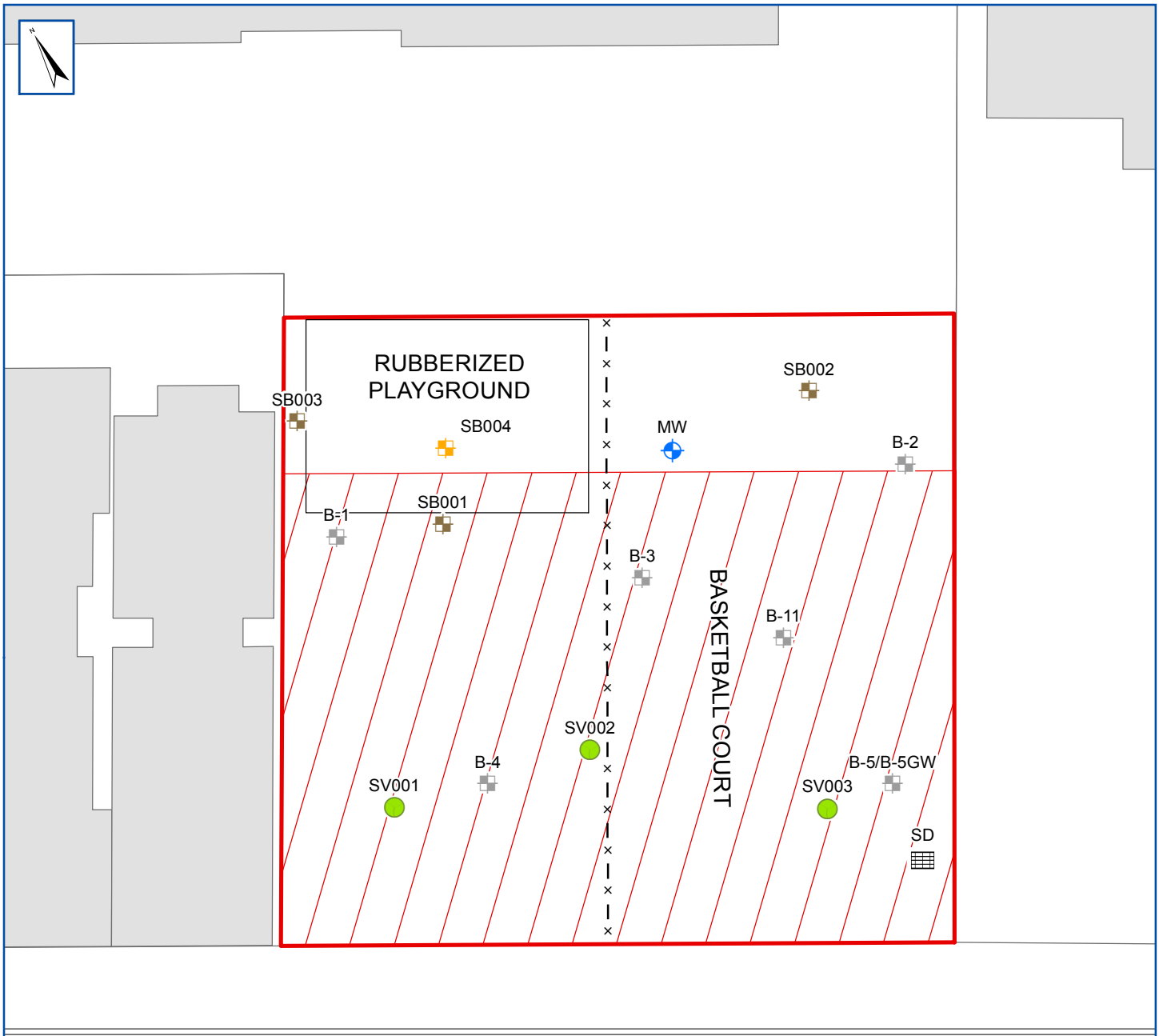
PWGC
Strategic Environmental and Engineering Solutions
P.W. GROSSER CONSULTING, INC.
630 Johnson Avenue, • Suite 7
Bohemia • NY • 11716-2618
Phone: (631) 589-6353 • Fax: (631) 589-8705
E-mail: INFO@PWGROSSER.COM

SURROUNDING PROPERTY USAGE

HENRY PHIPPS PLAZA SOUTH (PARCEL 1)
EAST 25TH STREET
NEW YORK, NY

Feet
0 80 160 240 320

Project:	PHG1301
Date:	9/5/2013
Designed by:	TM
Drawn by:	BB
Approved by:	TM
Figure No:	3



- Soil Boring Location (2013)
- Proposed Boring Location (Not Installed)
- Soil Boring Location (2007)
- Soil Vapor Point
- Monitoring Well
- Storm Drain
- Fence Line
- Subject Site
- Approx. Footprint of Proposed New Building
- Adjacent Building Footprint
- Adjacent Parcels

PWGC
Strategic Environmental and Engineering Solutions
P.W. GROSSER CONSULTING, INC.
630 Johnson Avenue, • Suite 7
Bohemia • NY • 11716-2618
Phone: (631) 589-6353 • Fax: (631) 589-8705
E-mail: INFO@PWGROSSER.COM

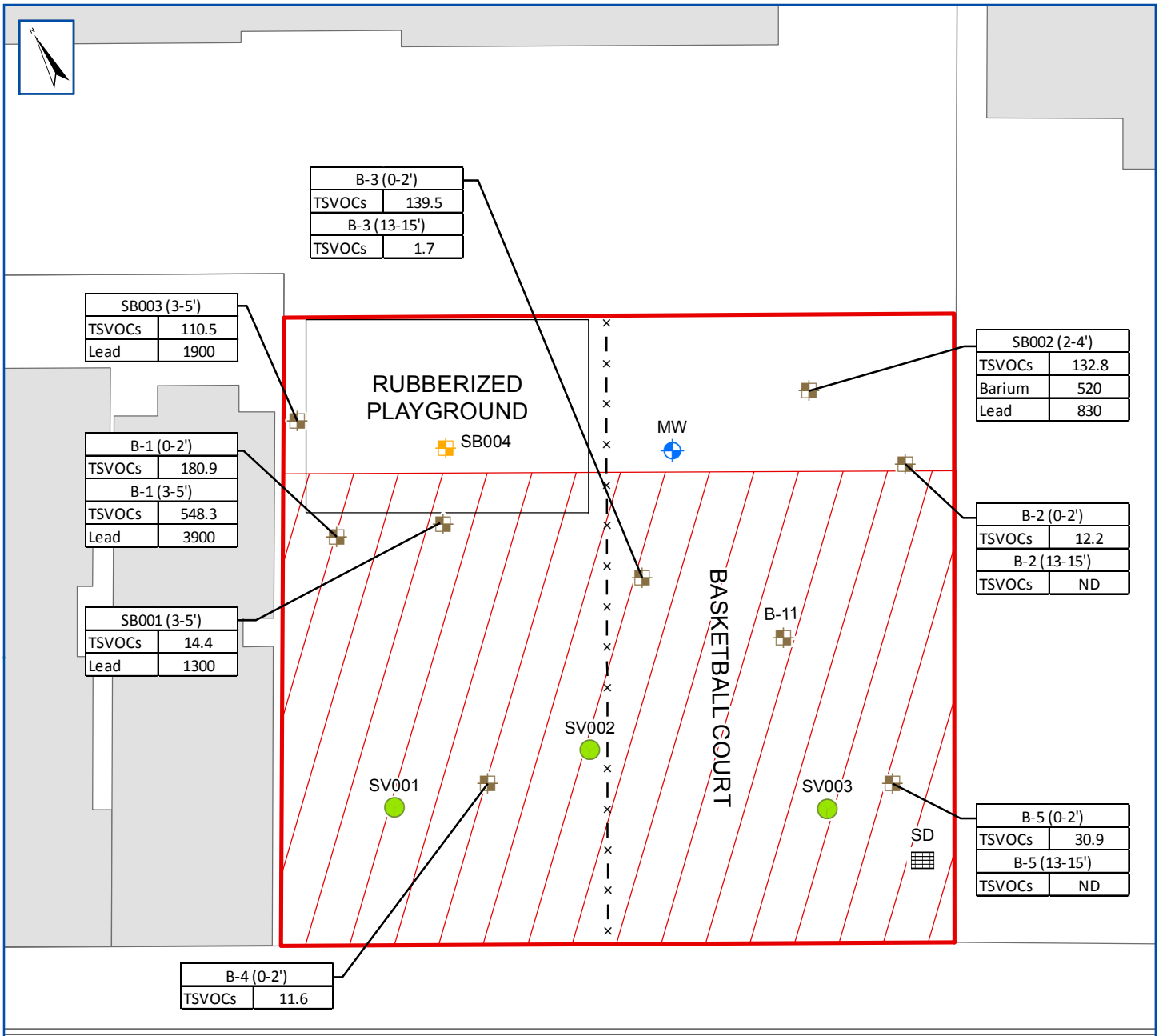
SAMPLE LOCATIONS

HENRY PHIPPS PLAZA SOUTH (PARCEL 1)
EAST 25TH STREET
NEW YORK, NY

0 20 40 60 80 Feet

Project:	PHG1301
Date:	9/5/2013
Designed by:	TM
Drawn by:	BB
Approved by:	TM
Figure No:	4

Document Path: D:\GIS\Projects\M-R\PHG\1301\mapfiles\FIG4_SampleLocations.mxd



- Soil Boring Location (2013)
- Proposed Boring Location (Not Installed)
- Soil Boring Location (2007)
- Soil Vapor Point
- Monitoring Well
- Storm Drain
- Fence Line
- Subject Site
- Approx. Footprint of Proposed New Building
- Adjacent Building Footprint
- Adjacent Parcels

Note:
Concentration of analytes are given in parts per million (ppm).
Analytes and concentrations exceeding Restricted Residential SCO are shown.

Document Path: D:\GIS\Projects\M-R\PHG\1301\mapfiles\FIG5_SoilData.mxd

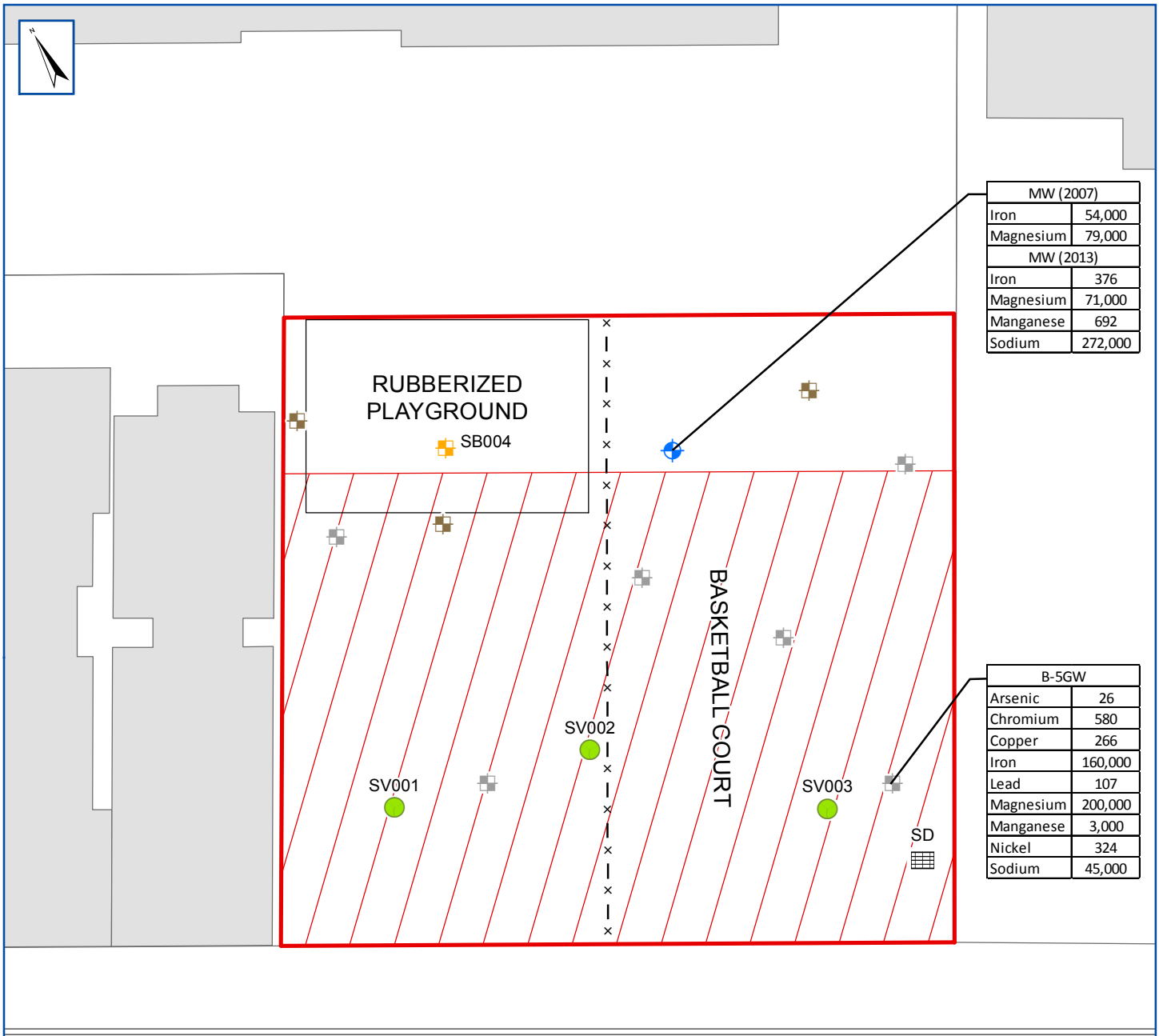
PWGC
Strategic Environmental and Engineering Solutions
P.W. GROSSER CONSULTING, INC.
630 Johnson Avenue, • Suite 7
Bohemia • NY • 11716-2618
Phone: (631) 589-6353 • Fax: (631) 589-8705
E-mail: INFO@PWGROSSER.COM

SOIL DATA

HENRY PHIPPS PLAZA SOUTH (PARCEL 1)
EAST 25TH STREET
NEW YORK, NY

0 20 40 60 80 Feet

Project:	PHG1301
Date:	9/5/2013
Designed by:	TM
Drawn by:	BB
Approved by:	TM
Figure No:	5



MW (2007)	
Iron	54,000
Magnesium	79,000
MW (2013)	
Iron	376
Magnesium	71,000
Manganese	692
Sodium	272,000

B-5GW	
Arsenic	26
Chromium	580
Copper	266
Iron	160,000
Lead	107
Magnesium	200,000
Manganese	3,000
Nickel	324
Sodium	45,000

- Soil Boring Location (2013)
- Proposed Boring Location (Not Installed)
- Soil Boring Location (2007)
- Soil Vapor Point
- Monitoring Well
- Storm Drain
- Fence Line
- Subject Site
- Approx. Footprint of Proposed New Building
- Adjacent Building Footprint
- Adjacent Parcels

Note:
Concentration of analytes are given in parts per billion (ppb).
Analytes detected abover AWQS in dissolved samples are shown.

PWGC
Strategic Environmental and Engineering Solutions
P.W. GROSSER CONSULTING, INC.
630 Johnson Avenue, • Suite 7
Bohemia • NY • 11716-2618
Phone: (631) 589-6353 • Fax: (631) 589-8705
E-mail: INFO@PWGROSSER.COM

GROUNDWATER DATA

HENRY PHIPPS PLAZA SOUTH (PARCEL 1)
EAST 25TH STREET
NEW YORK, NY

0 20 40 60 80 Feet

Project:	PHG1301
Date:	9/5/2013
Designed by:	TM
Drawn by:	BB
Approved by:	TM
Figure No:	6

Document Path: D:\GIS\Projects\M-R\PHG\1301\mapfiles\FIG6_GroundwaterData.mxd

Tables

Table 1

Soil Sample Analaytical Data Summary - Volatile Organic Compounds
Henry Phipps Plaza South (Parcel 1) - 14RHAZ082M

LOCATION	CAS	Unrestricted	Restricted	SB002 (2-4')	B-1 (0-2')	B-1 (3-5')	B-2 (0-2')	B-2 (13-15')	B-3 (0-2')	B-3 (13-15')	B-4 (0-2')	B-5 (0-2')	B-5 (13-15')	SD
SAMPLING DATE	Number	Use SCO[1]	Residential SCO[2]	8/22/2013	8/30/2007	8/30/2007	8/30/2007	8/30/2007	8/30/2007	8/30/2007	8/30/2007	8/30/2007	8/30/2007	8/31/2007
LAB SAMPLE ID				L1316532-02	L0712727-01	L0712727-02	L0712727-03	L0712727-04	L0712727-05	L0712727-06	L0712727-07	L0712727-08	L0712727-09	L0712727-20
Volatile Organic Compounds														
1,1,1,2-Tetrachloroethane	630-20-6	NS	NS	0.65 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	71-55-6	680	100000	0.65 U	2.7 U	2.7 U	2.9 U	3 U	2.8 U	2.8 U	2.6 U	2.7 U	2.9 U	2.9 U
1,1,2,2-Tetrachloroethane	79-34-5	NS	NS	0.65 U	2.7 U	2.7 U	2.9 U	3 U	2.8 U	2.8 U	2.6 U	2.7 U	2.9 U	2.9 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NS	NS	NA	54 U	54 U	57 U	60 U	57 U	57 U	53 U	54 U	58 U	58 U
1,1,2-Trichloroethane	79-00-5	NS	NS	0.98 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	75-34-3	270	26000	0.98 U	4.1 U	4.1 U	4.3 U	4.5 U	4.3 U	4.3 U	4 U	4.1 U	4.4 U	4.4 U
1,1-Dichloroethene	75-35-4	330	100000	0.65 U	2.7 U	2.7 U	2.9 U	3 U	2.8 U	2.8 U	2.6 U	2.7 U	2.9 U	2.9 U
1,1-Dichloropropene	563-58-6	NS	NS	3.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	96-18-4	NS	NS	NA	27 U	27 U	29 U	30 U	28 U	28 U	26 U	27 U	29 U	29 U
1,2,4-Trichlorobenzene	120-82-1	NS	NS	3.2 U	14 U	14 U	14 U	15 U	14 U	14 U	13 U	14 U	14 U	14 U
1,2,4-Trimethylbenzene	95-63-6	3600	52000	3.2 U	14 U	14 U	14 U	15 U	14 U	14 U	13 U	14 U	14 U	14 U
1,2,3-Trichlorobenzene	87-61-6	NS	NS	3.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	96-18-4	NS	NS	6.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4,5-Tetramethylbenzene	95-93-2	NS	NS	2.6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	96-12-8	NS	NS	3.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	106-93-4	NS	NS	2.6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	95-50-1	1100	100000	3.2 U	14 U	14 U	14 U	15 U	14 U	14 U	13 U	14 U	14 U	14 U
1,2-Dichloroethane	107-06-2	20	3100	0.65 U	2.7 U	2.7 U	2.9 U	3 U	2.8 U	2.8 U	2.6 U	2.7 U	2.9 U	2.9 U
1,2-Dichloropropane	78-87-5	NS	NS	2.3 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	108-67-8	8400	52000	3.2 U	14 U	14 U	14 U	15 U	14 U	14 U	13 U	14 U	14 U	14 U
1,3-Dichlorobenzene	541-73-1	2400	49000	3.2 U	14 U	14 U	14 U	15 U	14 U	14 U	13 U	14 U	14 U	14 U
1,3-Dichloropropane	142-28-9	NS	NS	3.2 U	14 U	14 U	14 U	15 U	14 U	14 U	13 U	14 U	14 U	14 U
1,4-Dichlorobenzene	106-46-7	1800	13000	3.2 U	14 U	14 U	14 U	15 U	14 U	14 U	13 U	14 U	14 U	14 U
1,4-Diethylbenzene	105-05-5	NS	NS	2.6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dioxane	123-91-1	100	13000	65 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	594-20-7	NS	NS	3.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone	78-93-3	120	100000	6.5 U	27 U	27 U	29 U	30 U	28 U	28 U	26 U	27 U	29 U	29 U
2-Hexanone	591-78-6	NS	NS	6.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Ethyltoluene	622-96-8	NS	NS	2.6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	108-10-1	NS	NS	6.5 U	27 U	27 U	29 U	30 U	28 U	28 U	26 U	27 U	29 U	29 U
Acetone	67-64-1	50	100000	2.4 J	27 U	27 U	29 U	30 U	28 U	28 U	26 U	27 U	29 U	29 U
Acrylonitrile	107-13-1	NS	NS	6.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	71-43-2	60	4800	0.65 U	2.7 U	2.7 U	2.9 U	3 U	2.8 U	2.8 U	2.6 U	2.7 U	2.9 U	2.9 U
Bromobenzene	108-86-1	NS	NS	3.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	74-97-5	NS	NS	3.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	75-27-4	NS	NS	0.65 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	75-25-2	NS	NS	2.6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	74-83-9	NS	NS	1.3 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	75-15-0	NS	NS	6.5 U	27 U	27 U	29 U	30 U	28 U	28 U	26 U	27 U	29 U	29 U
Carbon tetrachloride	56-23-5	760	2400	0.65 U	2.7 U	2.7 U	2.9 U	3 U	2.8 U	2.8 U	2.6 U	2.7 U	2.9 U	2.9 U
Chlorobenzene	108-90-7	1100	100000	0.65 U	2.7 U	2.7 U	2.9 U	3 U	2.8 U	2.8 U	2.6 U	2.7 U	2.9 U	2.9 U
Chloroethane	75-00-3	NS	NS	1.3 U	5.4 U	5.4 U	5.7 U	6 U	5.7 U	5.7 U	5.3 U	5.4 U	5.8 U	5.8 U
Chloroform	67-66-3	370	49000	0.98 U	4.1 U	4.1 U	4.3 U	4.5 U	4.3 U	4.3 U	4 U	4.1 U	4.4 U	4.4 U
Chloromethane	74-87-3	NS	NS	3.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	156-59-2	250	100000	0.65 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	10061-01-5	NS	NS	0.65 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	124-48-1	NS	NS	0.65 U	2.7 U	2.7 U	2.9 U	3 U	2.8 U	2.8 U	2.6 U	2.7 U	2.9 U	2.9 U
Dibromomethane	74-95-3	NS	NS	6.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	75-71-8	NS	NS	6.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethyl ether	60-29-7	NS	NS	3.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	100-41-4	1000	41000	0.65 U	2.7 U	2.7 U	2.9 U	3 U	2.8 U	2.8 U	2.6 U	2.7 U	2.9 U	2.9 U
Hexachlorobutadiene	87-68-3	NS	NS	3.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	98-82-8	NS	NS	0.65 U	2.7 U	2.7 U	2.9 U	3 U	2.8 U	2.8 U	2.6 U	2.7 U	2.9 U	2.9 U
Methyl tert butyl ether	1634-04-4	930	100000	1.3 U	5.4 U	5.4 U	5.7 U	6 U	5.7 U	5.7 U	5.3 U	5.4 U	5.8 U	5.8 U
Methylene chloride	75-09-2	50	100000	6.5 U	27 U	27 U	29 U	30 U	28 U	28 U	26 U	27 U	29 U	29 U
n-Butylbenzene	104-51-8	12000	100000	0.65 U	2.7 U	2.7 U	2.9 U	3 U	2.8 U	2.8 U	2.6 U	2.7 U	2.9 U	2.9 U
n-Propylbenzene	103-65-1	3900	100000	0.65 U	2.7 U	2.7 U	2.9 U	3 U	2.8 U	2.8 U	2.6 U	2.7 U	2.9 U	2.9 U
Naphthalene	91-20-3	12000	100000	3.2 U	14 U	140	14 U	15 U	14 U	14 U	13 U	14 U	14 U	14 U
o-Chlorotoluene	95-49-8	NS	NS	3.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	95-47-6	NS	NS	1.3 U	5.4 U	5.4 U	5.7 U	6 U	5.7 U	5.7 U	5.3 U	5.4 U	5.8 U	5.8 U
p-Chlorotoluene	106-43-4	NS	NS	3.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	99-87-6	NS	NS	0.65 U	2.7 U	2.7 U	2.9 U	3 U	2.8 U	2.8 U	2.6 U	2.7 U	2.9 U	2.9 U
p/m-Xylene	179601-23-1	NS	NS	1.3 U	5.4 U	5.4 U	5.7 U	6 U	5.7 U	5.7 U	5.3 U	5.4 U	5.8 U	5.8 U
sec-Butylbenzene	135-98-8	11000	100000	0.65 U	2.7 U	2.7 U	2.9 U	3 U	2.8 U	2.8 U	2.6 U	2.7 U	2.9 U	2.9 U
Styrene	100-42-5	NS	NS	1.3 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	98-06-6	5900	100000	3.2 U	14 U	14 U	14 U	15 U	14 U	14 U	13 U	14 U	14 U	14 U
Tetrachloroethene	127-18-4	1300	19000	0.65 U	2.7 U	2.7 U	2.9 U	3 U	2.8 U	2.8 U	2.6 U	2.7 U	2.9 U	2.9 U
Toluene	108-88-3	700	100000	0.98 U	4.1 U	4.1 U	4.3 U	4.5 U	4.3 U	4.3 U	4 U	4.1 U	4.4 U	4.4 U
trans-1,2-Dichloroethene	156-60-5	190	100000	0.98 U	4.1 U	4.1 U	4.3 U	4.5 U	4.3 U	4.3 U	4 U	4.1 U	4.4 U	4.4 U
trans-1,3-Dichloropropene	10061-02-6	NS	NS	0.65 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,4-Dichloro-2-butene	110-57-6	NS	NS	3.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	79-01-6	470	21000	0.65 U	2.7 U	2.7 U	2.9 U	3 U	2.8 U	2.8 U	2.6 U	2.7 U	2.9 U	2.9 U
Trichlorofluoromethane	75-69-4	NS	NS	3.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl acetate	108-05-4	NS	NS	6.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	75-01-4	20	900	1.3 U	5.4 U	5.4 U	5.7 U	6 U	5.7 U	5.7 U	5.3 U	5.4 U	5.8 U	5.8 U

Notes:
All Concentrations are ppb (ug/kg)
1 - Unrestricted Use SCO, 6NYCRR Part 375-6, Remediation Program Soil Cleanup Objectives
2 - Restricted Residential SCO, 6NYCRR Part 375-6, Remediation Program Soil Cleanup Objectives
J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL)
U - Not detected at the reported detection limit for the sample.
NS - No standard established
NA - Analyte was not analyzed for
Yellow highlighted values exceed Unrestricted Use SCO
Orange highlighted values exceed Restricted Residential SCO

Table 2

Soil Sample Analaytical Data Summary - Semi-Volatile Organic Compounds
Henry Phipps Plaza South (Parcel 1) - 14RHAZ082M

LOCATION SAMPLING DATE LAB SAMPLE ID	CAS Number	Unrestricted Use SCO[1]	Restricted Residential SCO[2]	SB001 (3-5') 8/22/2013 L1316532-01	SB002 (2-4') 8/22/2013 L1316532-02	SB003 (3-5') 8/22/2013 L1316532-03	B-1 (0-2') 8/30/2007 L0712727-01	B-1 (3-5') 8/30/2007 L0712727-02	B-2 (0-2') 8/30/2007 L0712727-03	B-2 (13-15') 8/30/2007 L0712727-04	B-3 (0-2') 8/30/2007 L0712727-05	B-3 (13-15') 8/30/2007 L0712727-06	B-4 (0-2') 8/30/2007 L0712727-07	B-5 (0-2') 8/30/2007 L0712727-08	B-5 (13-15') 8/30/2007 L0712727-09	SD 8/31/2007 L0712727-20
Semi-Volatile Organic Compounds																
1,2,4,5-Tetrachlorobenzene	95-94-3	NS	NS	1900 U	1800 U	1800 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	120-82-1	NS	NS	1900 U	1800 U	1800 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	95-50-1	1100	100000	1900 U	1800 U	1800 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	541-73-1	2400	49000	1900 U	1800 U	1800 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	106-46-7	1800	13000	1900 U	1800 U	1800 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	95-95-4	NS	NS	1900 U	1800 U	1800 U	1400 U	3600 U	380 U	400 U	3800 U	380 U	3500 U	3600 U	390 U	7800 U
2,4,6-Trichlorophenol	88-06-2	NS	NS	1200 U	1100 U	1100 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	120-83-2	NS	NS	1700 U	1700 U	1600 U	2900 U	7200 U	770 U	790 U	7600 U	760 U	7100 U	7200 U	780 U	16000 U
2,4-Dimethylphenol	105-67-9	NS	NS	1900 U	1800 U	1800 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	51-28-5	NS	NS	9300 U	8900 U	8600 U	5800 U	14000 U	1500 U	1600 U	15000 U	1500 U	14000 U	14000 U	1600 U	31000 U
2,4-Dinitrotoluene	121-14-2	NS	NS	1900 U	1800 U	1800 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	606-20-2	NS	NS	1900 U	1800 U	1800 U	1400 U	3600 U	380 U	400 U	3800 U	380 U	3500 U	3600 U	390 U	7800 U
2-Chloronaphthalene	91-58-7	NS	NS	1900 U	1800 U	1800 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorophenol	95-57-8	NS	NS	1900 U	1800 U	1800 U	1700 U	4300 U	460 U	480 U	4500 U	450 U	4200 U	4300 U	460 U	9300 U
2-Methylnaphthalene	91-57-6	NS	NS	2300 U	2200 U	2200 U	720 U	1800 U	77 U	16 U	380 U	15 U	140 U	140 U	16 U	78 U
2-Methylphenol	95-48-7	330	100000	1900 U	1800 U	1800 U	1700 U	4300 U	460 U	480 U	4500 U	450 U	4200 U	4300 U	460 U	9300 U
2-Nitroaniline	88-74-4	NS	NS	1900 U	1800 U	1800 U	1400 U	3600 U	380 U	400 U	3800 U	380 U	3500 U	3600 U	390 U	7800 U
2-Nitrophenol	88-75-5	NS	NS	4200 U	4000 U	3900 U	5800 U	14000 U	1500 U	1600 U	15000 U	1500 U	14000 U	14000 U	1600 U	31000 U
3,3'-Dichlorobenzidine	91-94-1	NS	NS	1900 U	1800 U	1800 U	2900 U	7200 U	770 U	790 U	7600 U	760 U	7100 U	7200 U	780 U	16000 U
3-Methylphenol/4-Methylphenol	108-39-4	330	100000	2800 U	2700 U	2600 U	1700 U	4300 U	460 U	480 U	4500 U	450 U	4200 U	4300 U	460 U	9300 U
3-Nitroaniline	99-09-2	NS	NS	1900 U	1800 U	1800 U	1400 U	3600 U	380 U	400 U	3800 U	380 U	3500 U	3600 U	390 U	7800 U
4,6-Dinitro-o-cresol	534-52-1	NS	NS	5000 U	4800 U	4700 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	101-55-3	NS	NS	1900 U	1800 U	1800 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloroaniline	106-47-8	NS	NS	1900 U	1800 U	1800 U	1400 U	3600 U	380 U	400 U	3800 U	380 U	3500 U	3600 U	390 U	7800 U
4-Chlorophenyl phenyl ether	7005-72-3	NS	NS	1900 U	1800 U	1800 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	100-01-6	NS	NS	1900 U	1800 U	1800 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	100-02-7	NS	NS	2700 U	2600 U	2500 U	2900 U	7200 U	770 U	790 U	7600 U	760 U	7100 U	7200 U	780 U	16000 U
Acenaphthene	83-32-9	20000	100000	1600 U	1500 U	1300 J	720 U	6700	77 U	16 U	380 U	15 U	140 U	140 U	16 U	78 U
Acenaphthylene	208-96-8	100000	100000	1600 U	2600	790 J	720 U	5000	400	16 U	380 U	15 U	140 U	760	16 U	78 U
Acetophenone	98-86-2	NS	NS	1900 U	1800 U	1800 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aniline	62-53-3	NS	NS	NA	NA	NA	2900 U	7200 U	770 U	790 U	7600 U	760 U	7100 U	7200 U	780 U	16000 U
Anthracene	120-12-7	100000	100000	520 J	2200	3600	6100	20000	300	16 U	1600	59	450	910	16 U	78 U
Benzo(a)anthracene	56-55-3	1000	1000	1400	12000	8200	17000	52000	1300	16 U	4500	260	1400	3300	16 U	78 U
Benzo(a)pyrene	50-32-8	1000	1000	1300 J	11000	7300	12000	34000	1100	16 U	3100	160	1000	2500	16 U	78 U
Benzo(b)fluoranthene	205-99-2	1000	1000	1400	14000	8800	14000	43000	1500	16 U	3800	150	1200	3100	16 U	78 U
Benzo(ghi)perylene	191-24-2	100000	100000	830 J	6700	4300	7400	20000	900	16 U	2400	86	760	1700	16 U	78 U
Benzo(k)fluoranthene	207-08-9	800	3900	860 J	6200	4300	9100	24000	850	16 U	2300	91	780	1800	16 U	78 U
Benzoic Acid	65-85-0	NS	NS	6300 U	6000 U	5800 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzyl Alcohol	100-51-6	NS	NS	1900 U	1800 U	1800 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biphenyl	92-52-4	NS	NS	4400 U	4200 U	4100 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	111-91-1	NS	NS	2100 U	2000 U	1900 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bis(2-chloroethyl)ether	111-44-4	NS	NS	1700 U	1700 U	1600 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bis(2-chloroisopropyl)ether	108-60-1	NS	NS	2300 U	2200 U	2200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bis(2-Ethylhexyl)phthalate	117-81-7	NS	NS	660 J	540 J	1800 U	7200	7200 U	770 U	790 U	98000	760 U	7100 U	7200 U	780 U	16000 U
Butyl benzyl phthalate	85-68-7	NS	NS	1900 U	1800 U	1800 U	1400 U	3600 U	380 U	400 U	3800 U	380 U	3500 U	3600 U	390 U	7800 U
Carbazole	86-74-8	NS	NS	1900 U	740 J	1600 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	218-01-9	1000	3900	1600	13000	8600	15000	41000	1200	16 U	3700	270	1100	2900	16 U	78 U
Di-n-butylphthalate	84-74-2	NS	NS	1900 U	1800 U	1800 U	1400 U	3600 U	380 U	400 U	3800 U	380 U	3500 U	3600 U	390 U	7800 U
Di-n-octylphthalate	117-84-0	NS	NS	1900 U	1800 U	1800 U	1400 U	3600 U	380 U	400 U	3800 U	380 U	3500 U	3600 U	390 U	7800 U
Dibenzo(a,h)anthracene	53-70-3	330	330	1200 U	1900	1000 J	2600	6800	290	16 U	1000	41	360	600	16 U	78 U
Dibenzofuran	132-64-9	7000	59000	1900 U	1800 U	1000 J	1400 U	5500	380 U	400 U	3800 U	380 U	3500 U	3600 U	390 U	7800 U
Diethyl phthalate	84-66-2	NS	NS	1900 U	1800 U	1800 U	1400 U	3600 U	380 U	400 U	3800 U	380 U	3500 U	3600 U	390 U	7800 U
Dimethyl phthalate	131-11-3	NS	NS	1900 U	1800 U	1800 U	1400 U	3600 U	380 U	400 U	3800 U	380 U	3500 U	3600 U	390 U	7800 U
Fluoranthene	206-44-0	100000	100000	3100	22000	20000	34000	100000	1600	16 U	6500	240	2000	4900	16 U	78 U
Fluorene	86-73-7	30000	100000	1900 U	1800 U	1200 J	720 U	7500	77 U	16 U	380 U	15 U	140 U	140 U	16 U	78 U
Hexachlorobenzene	118-74-1	330	1200	1200 U	1100 U	1100 U	2900 U	7200 U	310 U	63 U	1500 U	61 U	570 U	580 U	62 U	310 U
Hexachlorobutadiene	87-68-3	NS	NS	1900 U	1800 U	1800 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	77-47-4	NS	NS	5600 U	5300 U	5200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	67-72-1	NS	NS	1600 U	1500 U	1400 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)Pyrene	193-39-5	500	500	820 J	6900	4300	7500	21000	830	16 U	2100	76	780	1600	16 U	78 U
Isophorone	78-59-1	NS	NS	1700 U	1700 U	1600 U	1400 U	3600 U	380 U	400 U	3800 U	380 U	3500 U	3600 U	390 U	7800 U
n-Nitrosodi-n-propylamine	621-64-7	NS	NS	1900 U	1800 U	1800 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	91-20-3	12000	100000	1900 U	1800 U	1200 J	720 U	4800	77 U	16 U	380 U	15 U	140 U	140 U	16 U	78 U
Nitrobenzene	98-95-3	NS	NS	1700 U	1700 U	1600 U	1400 U	3600 U	380 U	400 U	3800 U	380 U	3500 U	3600 U	390 U	7800 U
NitrosoDiPhenylAmine(NDPA)/DPA	86-30-6	NS	NS	1600 U	1500 U	1400 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
P-Chloro-M-Cresol	59-50-7	NS	NS	1900 U	1800 U	1800 U	1400 U	3600 U	380 U	400 U	3800 U	380 U	3500 U	3600 U	390 U	7800 U
Pentachlorophenol	87-86-5	800	6700	1600 U	1500 U	1400 U	2900 U	7200 U	310 U	63 U	1500 U	61 U	570 U	580 U	62 U	310 U
Phenanthrene	85-01-8	100000	100000	2200	12000	16000	20000	75000	470	16 U	3800	220	700	2200	16 U	78 U
Phenol	108-95-2	330	100000	1900 U	1800 U	1800 U	2000 U	5100 U	540 U	560 U	5300 U	530 U	5000 U	5100 U	540 U	11000 U
Pyrene	129-00-0	100000	100000	2700	21000	17000	29000	82000	1500	16 U	6700	420	1800	4600	16 U	78 U
Total SVOCs in ppm (mg/kg)	N/A	250*	N/A	17.4	132.8	110.5	180.9	548.3	12.2	ND	139.5	1.7	11.6	30.9	ND	ND

Notes:
All Concentrations are ppb (ug/kg), except as noted
1 - Unrestricted Use SCO, 6NYCRR Part 375-6, Remediation Program Soil Cleanup Objectives
2 - Restricted Residential SCO, 6NYCRR Part 375-6, Remediation Program Soil Cleanup Objectives
* - Value represents a Site Specific SCO for total SVOCs specified by NYCOER
J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL)
U - Not detected at the reported detection limit for the sample.
NS - No standard established
NA - Analyte was not analyzed for
N/A - Not applicable
ND - Not detected
Yellow highlighted values exceed Unrestricted Use SCO
Orange highlighted values exceed Restricted Residential SCO

Table 3

Soil Sample Analaytical Data Summary - Pesticides and Polychlorinated Biphenyls
Henry Phipps Plaza South (Parcel 1) - 14RHAZ082M

LOCATION SAMPLING DATE LAB SAMPLE ID	CAS Number	Unrestricted Use SCO[1]	Restricted Residential SCO[2]	SB002 (2-4') 8/22/2013 L1316532-02	B-1 (0-2') 8/30/2007 L0712727-01	B-1 (3-5') 8/30/2007 L0712727-02	B-2 (0-2') 8/30/2007 L0712727-03	B-2 (13-15') 8/30/2007 L0712727-04	B-3 (0-2') 8/30/2007 L0712727-05	B-3 (13-15') 8/30/2007 L0712727-06	B-4 (0-2') 8/30/2007 L0712727-07	B-5 (0-2') 8/30/2007 L0712727-08	B-5 (13-15') 8/30/2007 L0712727-09
Pesticides													
4,4'-DDD	72-54-8	3.3	13000	35.1 U	72.5 U	72.5 U	76.6 U	3.97 U	75.8 U	3.79 U	355 U	72.5 U	3.88 U
4,4'-DDE	72-55-9	3.3	8900	26.4 J	72.5 U	72.5 U	76.6 U	3.97 U	75.8 U	3.79 U	355 U	72.5 U	3.88 U
4,4'-DDT	50-29-3	3.3	7900	165	109	72.5 U	76.6 U	3.97 U	104	3.79 U	355 U	72.5 U	3.88 U
Aldrin	309-00-2	5	97	35.1 U	72.5 U	72.5 U	76.6 U	3.97 U	75.8 U	3.79 U	355 U	72.5 U	3.88 U
Alpha-BHC	319-84-6	20	480	14.6 U	72.5 U	72.5 U	76.6 U	3.97 U	75.8 U	3.79 U	355 U	72.5 U	3.88 U
Beta-BHC	319-85-7	36	360	35.1 U	72.5 U	72.5 U	76.6 U	3.97 U	75.8 U	3.79 U	355 U	72.5 U	3.88 U
Chlordane	57-74-9	NS	NS	285 U	290 U	290 U	306 U	15.9 U	303 U	15.2 U	1420 U	290 U	15.5 U
cis-Chlordane	5103-71-9	94	4200	30.1 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
Delta-BHC	319-86-8	40	100000	35.1 U	72.5 U	72.5 U	76.6 U	3.97 U	75.8 U	3.79 U	355 U	72.5 U	3.88 U
Dieldrin	60-57-1	5	200	21.9 U	72.5 U	72.5 U	76.6 U	3.97 U	75.8 U	3.79 U	355 U	72.5 U	3.88 U
Endosulfan I	959-98-8	2400	24000	35.1 U	72.5 U	72.5 U	76.6 U	3.97 U	75.8 U	3.79 U	355 U	72.5 U	3.88 U
Endosulfan II	33213-65-9	2400	24000	35.1 U	72.5 U	72.5 U	76.6 U	3.97 U	75.8 U	3.79 U	355 U	72.5 U	3.88 U
Endosulfan sulfate	1031-07-8	2400	24000	14.6 U	72.5 U	72.5 U	76.6 U	3.97 U	75.8 U	3.79 U	355 U	72.5 U	3.88 U
Endrin	72-20-8	14	11000	14.6 U	72.5 U	72.5 U	76.6 U	3.97 U	75.8 U	3.79 U	355 U	72.5 U	3.88 U
Endrin ketone	53494-70-5	NS	NS	35.1 U	72.5 U	72.5 U	76.6 U	3.97 U	75.8 U	3.79 U	355 U	72.5 U	3.88 U
Heptachlor	76-44-8	42	2100	17.5 U	72.5 U	72.5 U	76.6 U	3.97 U	75.8 U	3.79 U	355 U	72.5 U	3.88 U
Heptachlor epoxide	1024-57-3	NS	NS	65.8 U	72.5 U	72.5 U	76.6 U	3.97 U	75.8 U	3.79 U	355 U	72.5 U	3.88 U
Lindane	58-89-9	100	1300	14.6 U	72.5 U	72.5 U	76.6 U	3.97 U	75.8 U	3.79 U	355 U	72.5 U	3.88 U
Methoxychlor	72-43-5	NS	NS	65.8 U	290 U	290 U	306 U	15.9 U	303 U	15.2 U	1420 U	290 U	15.5 U
Toxaphene	8001-35-2	NS	NS	658 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-Chlordane	5103-74-2	NS	NS	43.8 U	72.5 U	72.5 U	76.6 U	3.97 U	75.8 U	3.79 U	355 U	72.5 U	3.88 U
Polychloriniated Biphenyls													
Aroclor 1016	12674-11-2	100	1000	36.1 U	36.2 U	36.2 U	38.3 U	39.7 U	37.9 U	37.9 U	35.5 U	36.2 U	38.8 U
Aroclor 1221	11104-28-2	100	1000	36.1 U	36.2 U	36.2 U	38.3 U	39.7 U	37.9 U	37.9 U	35.5 U	36.2 U	38.8 U
Aroclor 1232	11141-16-5	100	1000	36.1 U	36.2 U	36.2 U	38.3 U	39.7 U	37.9 U	37.9 U	35.5 U	36.2 U	38.8 U
Aroclor 1242	53469-21-9	100	1000	36.1 U	36.2 U	36.2 U	38.3 U	39.7 U	37.9 U	37.9 U	35.5 U	36.2 U	38.8 U
Aroclor 1248	12672-29-6	100	1000	36.1 U	36.2 U	36.2 U	38.3 U	39.7 U	37.9 U	37.9 U	35.5 U	36.2 U	38.8 U
Aroclor 1254	11097-69-1	100	1000	36.1 U	77.1	50.8	38.3 U	39.7 U	37.9 U	37.9 U	35.5 U	36.2 U	38.8 U
Aroclor 1260	11096-82-5	100	1000	36.1 U	36.2 U	36.2 U	38.3 U	39.7 U	37.9 U	37.9 U	35.5 U	36.2 U	38.8 U
Aroclor 1262	37324-23-5	100	1000	36.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1268	11100-14-4	100	1000	36.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
All Concentrations are ppb (ug/kg)
1 - Unrestricted Use SCO, 6NYCRR Part 375-6, Remediation Program Soil Cleanup Objectives
2 - Restricted Residential SCO, 6NYCRR Part 375-6, Remediation Program Soil Cleanup Objectives
J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL).
U - Not detected at the reported detection limit for the sample.
NS - No standard established
NA - Analyte was not analyzed for
Yellow highlighted values exceed Unrestricted Use SCO
Orange highlighted values exceed Restricted Residential SCO

Table 4

Soil Sample Analaytical Data Summary - Total Metals
Henry Phipps Plaza South (Parcel 1) - 14RHAZ082M

LOCATION	CAS	Unrestricted	Restricted	SB001 (3-5')	SB002 (2-4')	SB003 (3-5')	B-1 (0-2')	B-1 (3-5')	B-2 (0-2')	B-2 (13-15')	B-3 (0-2')	B-3 (13-15')	B-4 (0-2')	B-5 (0-2')	B-5 (13-15')	SD
SAMPLING DATE	Number	Use SCO[1]	Residential	8/22/2013	8/22/2013	8/22/2013	8/30/2007	8/30/2007	8/30/2007	8/30/2007	8/30/2007	8/30/2007	8/30/2007	8/30/2007	8/30/2007	8/31/2007
LAB SAMPLE ID			SCO[2]	L1316532-01	L1316532-02	L1316532-03	L0712727-01	L0712727-02	L0712727-03	L0712727-04	L0712727-05	L0712727-06	L0712727-07	L0712727-08	L0712727-09	L0712727-20
Metals																
Aluminum, Total	7429-90-5	NS	NS	NA	6600	NA	9000	8000	9300	3700	7100	6800	6200	7600	4600	2900
Antimony, Total	7440-36-0	NS	NS	NA	1 J	NA	2.2 U	22	2.3 U	2.4 U	2.2 U	2.3 U	2.1 U	2.1 U	2.3 U	2.3 U
Arsenic, Total	7440-38-2	13	16	NA	6.8	NA	15	11	5.8	1.4	2.1	2	2.9	4.7	2.5	4
Barium, Total	7440-39-3	350	400	NA	520	NA	160	180	190	16	65	63	110	210	26	30
Beryllium, Total	7440-41-7	7.2	72	NA	0.22 J	NA	0.63	0.51	0.62	0.24 U	0.6	0.45 U	0.4	0.63	0.36	0.23
Cadmium, Total	7440-43-9	2.5	4.3	NA	0.95	NA	0.43 U	0.58	0.46 U	0.48 U	0.44 U	0.45 U	0.42 U	0.43 U	0.46 U	0.46 U
Calcium, Total	7440-70-2	NS	NS	NA	40000	NA	15000	37000	10000	670	6400	6500	19000	23000	690	2900
Chromium, Total	7440-47-3	180	30	NA	14	NA	23	19	13	11	15	15	7.6	14	10	27
Cobalt, Total	7440-48-4	NS	NS	NA	4.6	NA	6.8	4.6	8.4	3.7	6.1	7	8.6	8.2	5.1	12
Copper, Total	7440-50-8	50	270	NA	28	NA	49	48	67	6.9	24	22	74	62	14	230
Iron, Total	7439-89-6	NS	NS	NA	11000	NA	16000	42000	20000	6000	14000	14000	21000	18000	12000	27000
Lead, Total	7439-92-1	63	400	1300	830	1900	180	3900	140	7	10	9.9	78	210	4.4	110
Magnesium, Total	7439-95-4	NS	NS	NA	3000	NA	2800	2300	3500	1600	3900	3800	5100	5600	1900	1700
Manganese, Total	7439-96-5	1600	2000	NA	200	NA	260	330	260	53	210	210	190	250	130	150
Mercury, Total	7439-97-6	0.18	0.81	NA	0.5	NA	0.37	0.3	0.22	0.1 U	0.21	0.08 U	0.12	0.46	0.09 U	0.44
Nickel, Total	7440-02-0	30	310	NA	12	NA	14	14	11	7.3	13	12	9.1	20	11	25
Potassium, Total	7440-09-7	NS	NS	NA	920	NA	1700	1500	1600	520	2900	2800	950	1600	950	860
Selenium, Total	7782-49-2	3.9	180	NA	0.5 J	NA	2.2 U	2.2 U	2.3 U	2.4 U	2.2 U	0.9 U	2.1 U	2.1 U	2.3 U	2.3 U
Silver, Total	7440-22-4	2	180	NA	0.87 U	NA	0.43 U	0.43 U	0.46 U	0.48 U	0.44 U	0.45 U	0.42 U	0.43 U	0.46 U	0.46 U
Sodium, Total	7440-23-5	NS	NS	NA	580	NA	610	870	440	160	89 U	90 U	500	610	170	280
Thallium, Total	7440-28-0	NS	NS	NA	1.7 U	NA	2.2 U	2.2 U	2.3 U	2.4 U	2.2 U	0.9 U	2.1 U	2.1 U	2.3 U	2.3 U
Vanadium, Total	7440-62-2	NS	NS	NA	24	NA	33	24	51	12	21	21	51	48	15	43
Zinc, Total	7440-66-6	109	10000	NA	500	NA	200	230	130	20	34	28	100	180	25	2700

Notes:
All Concentrations are ppm (mg/kg)
1 - Unrestricted Use SCO, 6NYCRR Part 375-6, Remediation Program Soil Cleanup Objectives
2 - Restricted Residential SCO, 6NYCRR Part 375-6, Remediation Program Soil Cleanup Objectives
J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL).
U - Not detected at the reported detection limit for the sample.
NS - No standard established
NA - Analyte was not analyzed for
Yellow highlighted values exceed Unrestricted Use SCO
Orange highlighted values exceed Restricted Residential SCO

Table 5

Groundwater Sample Analaytical Data Summary - Volatile Organic Compounds
Henry Phipps Plaza South (Parcel 1) - 14RHAZ082M

LOCATION SAMPLING DATE LAB SAMPLE ID	CAS Number	AWQS[1]	B-5 GW 8/30/2007 L0712727-10	MW 8/30/2007 L0712727-11	MW 8/23/2013 L1316532-04	FIELD BLANK 8/23/2013 L1316532-05
Volatile Organic Compounds						
1,1,1,2-Tetrachloroethane	630-20-6	5	NA	NA	2.5 U	2.5 U
1,1,1-Trichloroethane	71-55-6	5	0.5 U	0.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	79-34-5	5	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	5	10 U	10 U	NA	NA
1,1,2-Trichloroethane	79-00-5	1	NA	NA	1.5 U	1.5 U
1,1-Dichloroethane	75-34-3	5	0.75 U	0.75 U	2.5 U	2.5 U
1,1-Dichloroethene	75-35-4	5	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	563-58-6	5	NA	NA	2.5 U	2.5 U
1,2,3-Trichlorobenzene	87-61-6	5	NA	NA	2.5 U	2.5 U
1,2,3-Trichloropropane	96-18-4	0.04	5 U	5 U	2.5 U	2.5 U
1,2,4,5-Tetramethylbenzene	95-93-2	NS	NA	NA	2 U	2 U
1,2,4-Trichlorobenzene	120-82-1	5	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	95-63-6	5	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-chloropropane	96-12-8	0.04	NA	NA	2.5 U	2.5 U
1,2-Dibromoethane	106-93-4	0.0006	NA	NA	2 U	2 U
1,2-Dichlorobenzene	95-50-1	3	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	107-06-2	0.6	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	78-87-5	1	NA	NA	1 U	1 U
1,3,5-Trimethylbenzene	108-67-8	5	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	541-73-1	3	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane	142-28-9	5	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	106-46-7	3	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Diethylbenzene	105-05-5	NS	NA	NA	2 U	2 U
1,4-Dioxane	123-91-1	NS	NA	NA	250 U	250 U
2,2-Dichloropropane	594-20-7	5	NA	NA	2.5 U	2.5 U
2-Butanone	78-93-3	50	5 U	5 U	5 U	5 U
2-Hexanone	591-78-6	50	NA	NA	5 U	5 U
4-Ethyltoluene	622-96-8	NS	NA	NA	2 U	2 U
4-Methyl-2-pentanone	108-10-1	NS	5 U	5 U	5 U	5 U
Acetone	67-64-1	50	5.4	5 U	5 U	5 U
Acrylonitrile	107-13-1	5	NA	NA	5 U	5 U
Benzene	71-43-2	1	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene	108-86-1	5	NA	NA	2.5 U	2.5 U
Bromochloromethane	74-97-5	5	NA	NA	2.5 U	2.5 U
Bromodichloromethane	75-27-4	50	NA	NA	0.5 U	0.5 U
Bromoform	75-25-2	50	NA	NA	2 U	2 U
Bromomethane	74-83-9	5	NA	NA	2.5 U	2.5 U
Carbon disulfide	75-15-0	60	5 U	5 U	5 U	5 U
Carbon tetrachloride	56-23-5	5	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	108-90-7	5	0.5 U	0.5 U	2.5 U	2.5 U
Chloroethane	75-00-3	5	1 U	1 U	2.5 U	2.5 U
Chloroform	67-66-3	7	0.75 U	0.75 U	2.5 U	2.5 U
Chloromethane	74-87-3	NS	NA	NA	2.5 U	2.5 U
cis-1,2-Dichloroethene	156-59-2	5	NA	NA	2.5 U	2.5 U
cis-1,3-Dichloropropene	10061-01-5	0.4	NA	NA	0.5 U	0.5 U
Dibromochloromethane	124-48-1	50	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	74-95-3	5	NA	NA	5 U	5 U
Dichlorodifluoromethane	75-71-8	5	NA	NA	5 U	5 U
Ethyl ether	60-29-7	NS	NA	NA	2.5 U	2.5 U
Ethylbenzene	100-41-4	5	0.5 U	0.5 U	2.5 U	2.5 U
Hexachlorobutadiene	87-68-3	0.5	NA	NA	2.5 U	2.5 U
Isopropylbenzene	98-82-8	5	0.5 U	0.5 U	2.5 U	2.5 U
Methyl tert butyl ether	1634-04-4	10	1 U	1 U	2.5 U	2.5 U
Methylene chloride	75-09-2	5	5 U	5 U	2.5 U	2.5 U
n-Butylbenzene	104-51-8	5	0.5 U	0.5 U	2.5 U	2.5 U
n-Propylbenzene	103-65-1	5	0.5 U	0.5 U	2.5 U	2.5 U
Naphthalene	91-20-3	10	2.5 U	2.5 U	2.5 U	2.5 U
o-Chlorotoluene	95-49-8	5	NA	NA	2.5 U	2.5 U
o-Xylene	95-47-6	5	1 U	1 U	2.5 U	2.5 U
p-Chlorotoluene	106-43-4	5	NA	NA	2.5 U	2.5 U
p-Isopropyltoluene	99-87-6	5	0.5 U	0.5 U	2.5 U	2.5 U
p/m-Xylene	179601-23-1	5	1 U	1 U	2.5 U	2.5 U
sec-Butylbenzene	135-98-8	5	0.5 U	0.5 U	2.5 U	2.5 U
Styrene	100-42-5	5	NA	NA	2.5 U	2.5 U
tert-Butylbenzene	98-06-6	5	2.5 U	2.5 U	2.5 U	2.5 U
Tetrachloroethene	127-18-4	5	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	108-88-3	5	0.75 U	0.75 U	2.5 U	2.5 U
trans-1,2-Dichloroethene	156-60-5	5	0.75 U	0.75 U	2.5 U	2.5 U
trans-1,3-Dichloropropene	10061-02-6	0.4	NA	NA	0.5 U	0.5 U
trans-1,4-Dichloro-2-butene	110-57-6	5	NA	NA	2.5 U	2.5 U
Trichloroethene	79-01-6	5	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	75-69-4	5	NA	NA	2.5 U	2.5 U
Vinyl acetate	108-05-4	NS	NA	NA	5 U	5 U
Vinyl chloride	75-01-4	2	1 U	1 U	1 U	1 U

Notes:
All Concentrations are ppb (ug/L)
1 - Ambient Water Quality Standard, NYSDEC TOGS 1.1.1, Ambient Water Quality Standards and Groundwater Effluent Limitations
J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL).
U - Not detected at the reported detection limit for the sample.
NS - No standard established
NA - Analyte was not analyzed for
Yellow highlighted values exceed AWQS

Table 6

Groundwater Sample Analaytical Data Summary - Semi-Volatile Organic Compounds
Henry Phipps Plaza South (Parcel 1) - 14RHAZ082M

LOCATION SAMPLING DATE LAB SAMPLE ID	CAS Number	AWQS[1]	B-5 GW 8/30/2007 L0712727-10	MW 8/30/2007 L0712727-11	MW 8/23/2013 L1316532-04	FIELD BLANK 8/23/2013 L1316532-05
Semi-Volatile Organic Compounds						
1,2,4,5-Tetrachlorobenzene	95-94-3	5	NA	NA	10 U	10 U
1,2,4-Trichlorobenzene	120-82-1	5	NA	NA	5 U	5 U
1,2-Dichlorobenzene	95-50-1	3	NA	NA	2 U	2 U
1,3-Dichlorobenzene	541-73-1	3	NA	NA	2 U	2 U
1,4-Dichlorobenzene	106-46-7	3	NA	NA	2 U	2 U
2,4,5-Trichlorophenol	95-95-4	NS	5 U	4.9 U	5 U	5 U
2,4,6-Trichlorophenol	88-06-2	NS	NA	NA	5 U	5 U
2,4-Dichlorophenol	120-83-2	1	10 U	9.8 U	5 U	5 U
2,4-Dimethylphenol	105-67-9	50	NA	NA	5 U	5 U
2,4-Dinitrophenol	51-28-5	10	30 U	29 U	20 U	20 U
2,4-Dinitrotoluene	121-14-2	5	NA	NA	5 U	5 U
2,6-Dinitrotoluene	606-20-2	5	5 U	4.9 U	5 U	5 U
2-Chloronaphthalene	91-58-7	10	NA	NA	0.2 U	0.2 U
2-Chlorophenol	95-57-8	NS	6 U	5.9 U	2 U	2 U
2-Methylnaphthalene	91-57-6	NS	0.2 U	0.2 U	0.2 U	0.2 U
2-Methylphenol	95-48-7	NS	6 U	5.9 U	5 U	5 U
2-Nitroaniline	88-74-4	5	5 U	4.9 U	5 U	5 U
2-Nitrophenol	88-75-5	NS	20 U	20 U	10 U	10 U
3,3'-Dichlorobenzidine	91-94-1	5	10 U	9.8 U	5 U	5 U
3-Methylphenol/4-Methylphenol	108-39-4	NS	6 U	5.9 U	5 U	5 U
3-Nitroaniline	99-09-2	5	5 U	4.9 U	5 U	5 U
4,6-Dinitro-o-cresol	534-52-1	NS	NA	NA	10 U	10 U
4-Bromophenyl phenyl ether	101-55-3	NS	NA	NA	2 U	2 U
4-Chloroaniline	106-47-8	5	5 U	4.9 U	5 U	5 U
4-Chlorophenyl phenyl ether	7005-72-3	NS	NA	NA	2 U	2 U
4-Nitroaniline	100-01-6	5	NA	NA	5 U	5 U
4-Nitrophenol	100-02-7	NS	10 U	9.8 U	10 U	10 U
Acenaphthene	83-32-9	20	0.2 U	0.2 U	0.2 U	0.2 U
Acenaphthylene	208-96-8	NS	0.2 U	0.2 U	0.2 U	0.2 U
Acetophenone	98-86-2	NS	NA	NA	5 U	5 U
Aniline	62-53-3	5	20 U	20 U	NA	NA
Anthracene	120-12-7	50	0.2 U	0.2 U	0.2 U	0.2 U
Benzo(a)anthracene	56-55-3	NS	0.2 U	0.2 U	0.2 U	0.2 U
Benzo(a)pyrene	50-32-8	0	0.2 U	0.2 U	0.2 U	0.2 U
Benzo(b)fluoranthene	205-99-2	NS	0.2 U	0.2 U	0.2 U	0.2 U
Benzo(ghi)perylene	191-24-2		0.2 U	0.2 U	0.2 U	0.2 U
Benzo(k)fluoranthene	207-08-9	NS	0.2 U	0.2 U	0.2 U	0.2 U
Benzoic Acid	65-85-0	NS	NA	NA	50 U	50 U
Benzyl Alcohol	100-51-6	NS	NA	NA	2 U	2 U
Biphenyl	92-52-4	NS	NA	NA	2 U	2 U
Bis(2-chloroethoxy)methane	111-91-1	5	NA	NA	5 U	5 U
Bis(2-chloroethyl)ether	111-44-4	1	NA	NA	2 U	2 U
Bis(2-chloroisopropyl)ether	108-60-1	5	NA	NA	2 U	2 U
Bis(2-Ethylhexyl)phthalate	117-81-7	5	5 U	4.9 U	3 U	2.2 J
Butyl benzyl phthalate	85-68-7	50	5 U	4.9 U	5 U	5 U
Carbazole	86-74-8	NS	NA	NA	2 U	2 U
Chrysene	218-01-9	0.002	0.2 U	0.2 U	0.2 U	0.2 U
Dibenzo(a,h)anthracene	53-70-3	NS	0.2 U	0.2 U	0.2 U	0.2 U
Dibenzofuran	132-64-9	NS	5 U	4.9 U	2 U	2 U
Diethyl phthalate	84-66-2	50	5 U	4.9 U	5 U	5 U
Dimethyl phthalate	131-11-3	50	5 U	4.9 U	5 U	5 U
Di-n-butylphthalate	84-74-2	50	5 U	4.9 U	5 U	5 U
Di-n-octylphthalate	117-84-0	50	5 U	4.9 U	5 U	5 U
Fluoranthene	206-44-0	50	0.2 U	0.73	0.09 J	0.2 U
Fluorene	86-73-7	50	0.2 U	0.2 U	0.2 U	0.2 U
Hexachlorobenzene	118-74-1	0.04	0.8 U	0.78 U	0.8 U	0.8 U
Hexachlorobutadiene	87-68-3	0.5	NA	NA	0.5 U	0.5 U
Hexachlorocyclopentadiene	77-47-4	5	NA	NA	20 U	20 U
Hexachloroethane	67-72-1	5	NA	NA	0.8 U	0.8 U
Indeno(1,2,3-cd)Pyrene	193-39-5	0.002	0.2 U	0.2 U	0.2 U	0.2 U
Isophorone	78-59-1	50	5 U	4.9 U	5 U	5 U
Naphthalene	91-20-3	10	0.2 U	0.2 U	0.2	0.2 U
Nitrobenzene	98-95-3	0.4	5 U	4.9 U	2 U	2 U
NitrosoDiPhenylAmine(NDPA)/DPA	86-30-6	50	NA	NA	2 U	2 U
n-Nitrosodi-n-propylamine	621-64-7	NS	NA	NA	5 U	5 U
P-Chloro-M-Cresol	59-50-7	NS	5 U	4.9 U	2 U	2 U
Pentachlorophenol	87-86-5	1	0.8 U	0.78 U	0.8 U	0.8 U
Phenanthrene	85-01-8	50	0.2 U	0.2 U	0.2 U	0.2 U
Phenol	108-95-2	1	7 U	6.8 U	5 U	5 U
Pyrene	129-00-0	50	0.2 U	0.58	0.28	0.2 U

Notes:
All Concentrations are ppb (ug/L)
1 - Ambient Water Quality Standard, NYSDEC TOGS 1.1.1, Ambient Water Quality Standards and Groundwater Effluent Limitations
J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL).
U - Not detected at the reported detection limit for the sample.
NS - No standard established
NA - Analyte was not analyzed for
Yellow highlighted values exceed AWQS

Table 7

Groundwater Sample Analaytical Data Summary - Pesticides and Polychlorinated Biphenyls
Henry Phipps Plaza South (Parcel 1) - 14RHAZ082M

LOCATION	CAS	AWQS[1]	B-5 GW	MW	MW	FIELD BLANK
SAMPLING DATE	Number		8/30/2007	8/30/2007	8/23/2013	8/23/2013
LAB SAMPLE ID			L0712727-10	L0712727-11	L1316532-04	L1316532-05
Pesticides						
4,4'-DDD	72-54-8	0.3	0.044 U	0.042 U	0.02 U	0.04 U
4,4'-DDE	72-55-9	0.2	0.044 U	0.042 U	0.02 U	0.04 U
4,4'-DDT	50-29-3	0.2	0.044 U	0.042 U	0.02 U	0.04 U
Aldrin	309-00-2	0	0.022 U	0.021 U	0.01 U	0.02 U
Alpha-BHC	319-84-6	0.01	0.022 U	0.021 U	0.01 U	0.02 U
Beta-BHC	319-85-7	0.04	0.022 U	0.021 U	0.01 U	0.02 U
Chlordane	57-74-9	0.05	0.217 U	0.21 U	0.1 U	0.2 U
cis-Chlordane	5103-71-9	NS	NA	NA	0.01 U	0.02 U
Delta-BHC	319-86-8	0.04	0.022 U	0.021 U	0.01 U	0.02 U
Dieldrin	60-57-1	0.004	0.044 U	0.042 U	0.02 U	0.04 U
Endosulfan I	959-98-8	NS	0.022 U	0.021 U	0.01 U	0.02 U
Endosulfan II	33213-65-9	NS	0.044 U	0.042 U	0.02 U	0.04 U
Endosulfan sulfate	1031-07-8	NS	0.044 U	0.042 U	0.02 U	0.04 U
Endrin	72-20-8	0	0.044 U	0.042 U	0.02 U	0.04 U
Endrin ketone	53494-70-5	5	0.044 U	0.042 U	0.02 U	0.04 U
Heptachlor	76-44-8	0.04	0.022 U	0.021 U	0.01 U	0.02 U
Heptachlor epoxide	1024-57-3	0.03	0.022 U	0.021 U	0.01 U	0.02 U
Lindane	58-89-9	0.05	0.022 U	0.021 U	0.01 U	0.02 U
Methoxychlor	72-43-5	35	0.217 U	0.21 U	0.1 U	0.2 U
Toxaphene	8001-35-2	0.06	NA	NA	0.1 U	0.2 U
trans-Chlordane	5103-74-2	NS	0.022 U	0.021 U	0.01 U	0.02 U
Polychlorinated Biphenyls						
Aroclor 1016	12674-11-2	0.09	0.1 U	0.1 U	0.083 U	0.083 U
Aroclor 1221	11104-28-2	0.09	0.1 U	0.1 U	0.083 U	0.083 U
Aroclor 1232	11141-16-5	0.09	0.1 U	0.1 U	0.083 U	0.083 U
Aroclor 1242	53469-21-9	0.09	0.1 U	0.1 U	0.083 U	0.083 U
Aroclor 1248	12672-29-6	0.09	0.1 U	0.1 U	0.083 U	0.083 U
Aroclor 1254	11097-69-1	0.09	0.1 U	0.1 U	0.083 U	0.083 U
Aroclor 1260	11096-82-5	0.09	0.1 U	0.1 U	0.083 U	0.083 U
Aroclor 1262	37324-23-5	0.09	NA	NA	0.083 U	0.083 U
Aroclor 1268	11100-14-4	0.09	NA	NA	0.083 U	0.083 U

Notes:
All Concentrations are ppb (ug/L)
1 - Ambient Water Quality Standard, NYSDEC TOGS 1.1.1, Ambient Water Quality Standards and Groundwater Effluent Limitations
J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL).
U - Not detected at the reported detection limit for the sample.
NS - No standard established
NA - Analyte was not analyzed for
Yellow highlighted values exceed AWQS

Table 8

Groundwater Sample Analaytical Data Summary - Total and Dissolved Metals
Henry Phipps Plaza South (Parcel 1) - 14RHAZ082M

LOCATION SAMPLING DATE LAB SAMPLE ID	CAS Number	AWQS[1]	B-5 GW 8/30/2007 L0712727-10	MW 8/30/2007 L0712727-11	MW 8/23/2013 L1316532-04	FIELD BLANK 8/23/2013 L1316532-05
Metals (Dissolved)						
Aluminum	7429-90-5	NS	49000	3100	4.46 J	NA
Antimony	7440-36-0	3	50 U	50 U	1.57 J	NA
Arsenic	7440-38-2	25	26	5 U	0.75	NA
Barium	7440-39-3	1000	405	68	33.29	NA
Beryllium	7440-41-7	3	5 U	5 U	0.5 U	NA
Cadmium	7440-43-9	5	5 U	5 U	0.08 J	NA
Calcium	7440-70-2	NS	170000	92000	84800	NA
Chromium	7440-47-3	50	580	10 U	3.16	NA
Cobalt	7440-48-4	NS	60	20 U	1.09	NA
Copper	7440-50-8	200	266	17	1.26	NA
Iron	7439-89-6	300	160000	5400	376	NA
Lead	7439-92-1	25	107	10 U	1 U	NA
Magnesium	7439-95-4	35000	200000	79000	71000	NA
Manganese	7439-96-5	300	3000	266	692.4	NA
Mercury	7439-97-6	0.7	0.2 U	0.2 U	0.2 U	NA
Nickel	7440-02-0	100	324	25 U	2.59	NA
Potassium	7440-09-7	NS	47000	21000	20600	NA
Selenium	7782-49-2	10	10 U	10 U	0.82 J	NA
Silver	7440-22-4	50	7 U	7 U	0.59	NA
Sodium	7440-23-5	20000	45000	19000	27200	NA
Thallium	7440-28-0	0.5	20 U	20 U	0.07000 J	NA
Vanadium	7440-62-2	NS	140	11	1.45 J	NA
Zinc	7440-66-6	2000	908	50 U	7.29 J	NA
Metals (Total)						
Aluminum	7429-90-5	NS	98000	3500	208	12
Antimony	7440-36-0	3	50 U	50 U	2 U	2 U
Arsenic	7440-38-2	25	49	5 U	2.23	0.34 J
Barium	7440-39-3	1000	707	74	66.93	0.67
Beryllium	7440-41-7	3	6	5 U	0.5 U	0.5 U
Cadmium	7440-43-9	5	5 U	5 U	0.5 U	0.5 U
Calcium	7440-70-2	NS	170000	95000	83500	146
Chromium	7440-47-3	50	690	10 U	1.03	0.2 J
Cobalt	7440-48-4	NS	108	20 U	4.14	0.5 U
Copper	7440-50-8	200	370	19	2.46	0.92 J
Iron	7439-89-6	300	240000	5900	759	33.2 J
Lead	7439-92-1	25	146	10 U	1.8	0.45 J
Magnesium	7439-95-4	35000	210000	82000	69400	70 U
Manganese	7439-96-5	300	3820	283	2107	1.08
Mercury	7439-97-6	0.7	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	7440-02-0	100	494	25 U	3.87	0.12 J
Potassium	7440-09-7	NS	54000	22000	21000	100 U
Selenium	7782-49-2	10	10 U	10 U	5 U	5 U
Silver	7440-22-4	50	7 U	7 U	0.5 U	0.5 U
Sodium	7440-23-5	20000	42000	20000	25700	15.5 J
Thallium	7440-28-0	0.5	20 U	20 U	0.5 U	0.5 U
Vanadium	7440-62-2	NS	265	11	1.75 J	5 U
Zinc	7440-66-6	2000	738	50 U	9.15 J	213.6

Notes:
All Concentrations are ppb (ug/L)
1 - Ambient Water Quality Standard, NYSDEC TOGS 1.1.1, Ambient Water Quality Standards and Groundwater Effluent Limitations
J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL).
U - Not detected at the reported detection limit for the sample.
NS - No standard established
NA - Analyte was not analyzed for
Yellow highlighted values exceed AWQS

Table 9

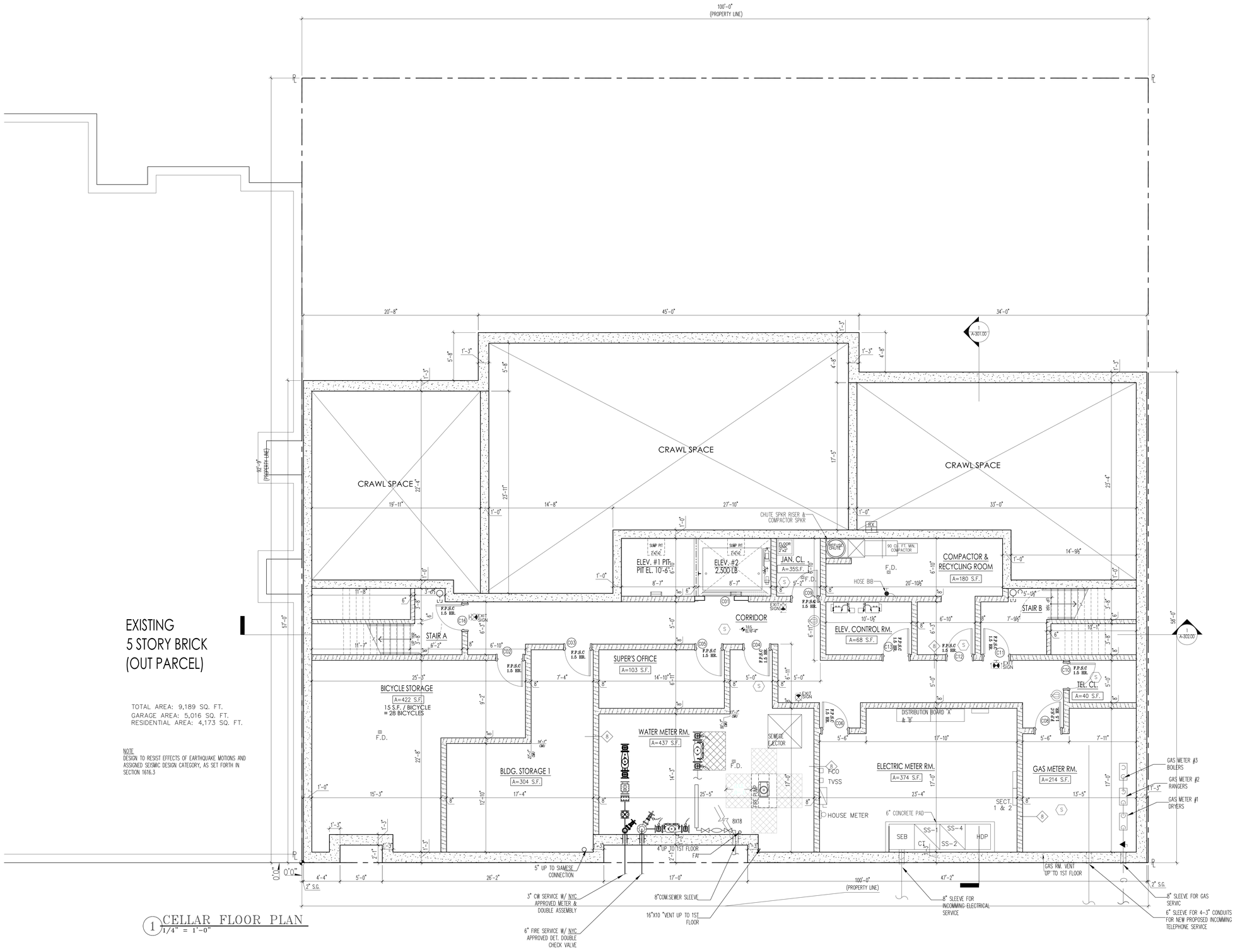
Soil Vapor Sample Analaytical Data Summary - Volatile Organic Compounds
Henry Phipps Plaza South (Parcel 1) - 14RHAZ082M

LOCATION SAMPLING DATE LAB SAMPLE ID	CAS Number	AGV	SV001 8/23/2013 L1316546-01	SV002 8/23/2013 L1316546-02	SV003 8/23/2013 L1316546-03
Volatile Organic Compounds					
1,1,1-Trichloroethane	71-55-6	NS	2.18 U	2.18 U	2.18 U
1,1,2,2-Tetrachloroethane	79-34-5	NS	2.75 U	2.75 U	2.75 U
1,1,2-Trichloroethane	79-00-5	NS	2.18 U	2.18 U	2.18 U
1,1-Dichloroethane	75-34-3	NS	1.62 U	1.62 U	1.62 U
1,1-Dichloroethene	75-35-4	NS	1.59 U	1.59 U	1.59 U
1,2,4-Trichlorobenzene	120-82-1	NS	2.97 U	2.97 U	2.97 U
1,2,4-Trimethylbenzene	95-63-6	NS	10.1	9.98	8.95
1,2-Dibromoethane	106-93-4	NS	3.07 U	3.07 U	3.07 U
1,2-Dichlorobenzene	95-50-1	NS	2.4 U	2.4 U	2.4 U
1,2-Dichloroethane	107-06-2	NS	1.62 U	1.62 U	1.62 U
1,2-Dichloropropane	78-87-5	NS	1.85 U	1.85 U	1.85 U
1,3,5-Trimethybenzene	108-67-8	NS	2.56	2.59	2.36
1,3-Butadiene	106-99-0	NS	6.19	0.885 U	0.885 U
1,3-Dichlorobenzene	541-73-1	NS	2.4 U	2.4 U	2.4 U
1,4-Dichlorobenzene	106-46-7	NS	2.4 U	2.4 U	2.4 U
1,4-Dioxane	123-91-1	NS	1.44 U	1.44 U	1.44 U
2,2,4-Trimethylpentane	540-84-1	NS	14.3	1.87 U	1.87 U
2-Butanone	78-93-3	NS	44.5	20.6	28.5
2-Hexanone	591-78-6	NS	7.99	5.7	5.41
3-Chloropropene	107-05-1	NS	1.25 U	1.25 U	1.25 U
4-Ethyltoluene	622-96-8	NS	2.81	2.89	2.61
4-Methyl-2-pentanone	108-10-1	NS	7.34	2.4	3.02
Acetone	67-64-1	NS	1810	1240	1940
Benzene	71-43-2	NS	24.7	10.2	9.81
Benzyl chloride	100-44-7	NS	2.07 U	2.07 U	2.07 U
Bromodichloromethane	75-27-4	NS	2.68 U	2.68 U	2.68 U
Bromoform	75-25-2	NS	4.14 U	4.14 U	4.14 U
Bromomethane	74-83-9	NS	1.55 U	1.55 U	1.55 U
Carbon disulfide	75-15-0	NS	321	3.18	6.91
Carbon tetrachloride	56-23-5	NS	2.52 U	2.52 U	2.52 U
Chlorobenzene	108-90-7	NS	1.84 U	1.84 U	1.84 U
Chloroethane	75-00-3	NS	9.87	1.06 U	1.06 U
Chloroform	67-66-3	NS	65.4	4.47	87.9
Chloromethane	74-87-3	NS	1.85	0.999	2.23
cis-1,2-Dichloroethene	156-59-2	NS	1.59 U	1.59 U	1.59 U
cis-1,3-Dichloropropene	10061-01-5	NS	1.82 U	1.82 U	1.82 U
Cyclohexane	110-82-7	NS	9.6	2.09	1.99
Dibromochloromethane	124-48-1	NS	3.41 U	3.41 U	3.41 U
Dichlorodifluoromethane	75-71-8	NS	2.34	2.77	3.19
Ethanol	64-17-5	NS	29.6	19	35.4
Ethyl Acetate	141-78-6	NS	9.8	29.9	44
Ethylbenzene	100-41-4	NS	10.8	10.1	8.69
Freon-113	76-13-1	NS	3.07 U	3.07 U	3.07 U
Freon-114	76-14-2	NS	2.8 U	2.8 U	2.8 U
Heptane	142-82-5	NS	35.3	23.4	21.1
Hexachlorobutadiene	87-68-3	NS	4.27 U	4.27 U	4.27 U
Isopropanol	67-63-0	NS	5.7	2.46 U	4.79
Methyl tert butyl ether	1634-04-4	NS	1.44 U	1.44 U	1.44 U
Methylene chloride	75-09-2	60	6.95 U	6.95 U	7.19
n-Hexane	110-54-3	NS	41.9	13.1	15.6
o-Xylene	95-47-6	NS	10.9	10.6	9.3
p/m-Xylene	179601-23-1	NS	36.5	33.9	31
Propylene	115-07-1	NS	200	6.09	24.1
Styrene	100-42-5	NS	1.7 U	1.7 U	1.7 U
Tetrachloroethene	127-18-4	100	2.71 U	2.71 U	2.71 U
Tetrahydrofuran	109-99-9	NS	1.76	1.55	1.55
Toluene	108-88-3	NS	101	91.6	84
trans-1,2-Dichloroethene	156-60-5	NS	1.59 U	1.59 U	1.59 U
trans-1,3-Dichloropropene	10061-02-6	NS	1.82 U	1.82 U	1.82 U
Trichloroethene	79-01-6	5	2.15 U	2.15 U	2.15 U
Trichlorofluoromethane	75-69-4	NS	2.25 U	2.25 U	2.25 U
Vinyl acetate	108-05-4	NS	1.41 U	1.41 U	1.41 U
Vinyl bromide	593-60-2	NS	1.75 U	1.75 U	1.75 U
Vinyl chloride	75-01-4	NS	1.02 U	1.02 U	1.02 U

Notes:
All Concentrations are ug/m^3
1 - Air Guideline Values, NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York
J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL).
U - Not detected at the reported detection limit for the sample.
Yellow highlighted values exceed AWQS

Appendix A

Proposed Development Plans



EXISTING
5 STORY BRICK
(OUT PARCEL)

TOTAL AREA: 9,189 SQ. FT.
GARAGE AREA: 5,016 SQ. FT.
RESIDENTIAL AREA: 4,173 SQ. FT.

NOTE
DESIGN TO RESIST EFFECTS OF EARTHQUAKE MOTIONS AND ASSIGNED SEISMIC DESIGN CATEGORY, AS SET FORTH IN SECTION 1616.3

1 CELLAR FLOOR PLAN
1/4" = 1'-0"

PROJECT:

HENRY PHIPPS PLAZA INCLUSIONARY ONE

325 EAST 25TH STREET
NEW YORK,NY 10010

OWNER:
HENRY PHIPPS PLAZA SOUTH HDFC
902 BROADWAY
NEW YORK, NY 10010
TEL: (212) 243-9090
FAX:(212) 727-1639

ARCHITECT:
SLCE*Architects*
1359 BROADWAY
NEW YORK, NEW YORK 10018
TEL: (212) 979-8400
FAX: (212) 979-8387

STRUCTURAL ENGINEER:
DENARDIS ENGINEERING L.L.C.
15 RESERVOIR ROAD
WHITE PLAINS, NY 10603
TEL: (914) 948-8844
FAX: (914)948-8868

MECHANICAL ENGINEER:
RODKIN CARDINALE, P.C.
224 WEST 29TH STREET
NEW YORK, NY 10001
TEL: (212) 239-1892
FAX:(212) 239-6412

LANDSCAPE:
ABEL BAINNSON BUTZ, LLP
80 EIGHTH AVENUE, SUITE 1105
NEW YORK, NEW YORK 10705
TEL: (212) 206-0630
FAX: (212) 645-0048

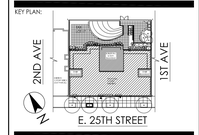
No.:	Date:	Revision:
	09/01/09	REVISED PER DOB OBJECTIONS
	06/15/09	DOB Submission

Date:	Distribution:

SCALE:

0 1' 2' 4' 8'

KEY PLAN:



CELLAR FLOOR PLAN

SEAL & SIGNATURE:

PROJECT No:	2006-30
DRAWN BY:	R.LAZAREVIC
CHECKED BY:	S.YAKAS
DWG. No:	A-101.00

DRAWING 12 OF 46

EXISTING
5 STORY BRICK
(OUT PARCEL)

NOTES:
1. SOUND ATTENUATION INSULATION WILL BE PROVIDED AT WALLS BETWEEN UNITS AND JANITORS CLOSET, REFUSE ROOM & ELEVATOR SHAFT.

NOTE
DESIGN TO RESIST EFFECTS OF EARTHQUAKE MOTIONS AND ASSIGNED SEISMIC DESIGN CATEGORY, AS SET FORTH IN SECTION 1616.3

AREA PER FLOOR: 5,911 SQ. FT.

1 1ST FLOOR PLAN
1/8" = 1'-0"

E. 25TH STREET

PROJECT:

HENRY PHIPPS PLAZA INCLUSIONARY ONE

325 EAST 25TH STREET
NEW YORK,NY 10010

OWNER:
HENRY PHIPPS PLAZA SOUTH HDFC
902 BROADWAY
NEW YORK, NY 10010
TEL: (212) 243-9090
FAX:(212) 727-1639

ARCHITECT:
SLCE*Architects*
1359 BROADWAY
NEW YORK, NEW YORK 10018
TEL: (212) 979-8400
FAX: (212) 979-8387

STRUCTURAL ENGINEER:
DENARDIS ENGINEERING L.L.C.
15 RESERVOIR ROAD
WHITE PLAINS, NY 10603
TEL: (914) 948-8844
FAX: (914)948-8868

MECHANICAL ENGINEER:
RODKIN CARDINALE, P.C.
224 WEST 29TH STREET
NEW YORK, NY 10001
TEL: (212) 239-1892
FAX:(212) 239-6412

LANDSCAPE:
ABEL BAINNSON BUTZ, LLP
80 EIGHTH AVENUE, SUITE 1105
NEW YORK, NEW YORK 10705
TEL: (212) 206-0630
FAX: (212) 645-0048

No:	Date:	Distribution:
1	09/01/09	REVISED PER DOB OBJECTIONS
	04/15/09	DOB Submission

SCALE:

0 1' 2' 4' 8'

KEY PLAN:

1ST FLOOR PLAN

SEAL & SIGNATURE:

PROJECT No: 2006-30
DRAWN BY: R.LAZAREVIC
CHECKED BY: S.YAKAS
DWG. No:

A-102.00

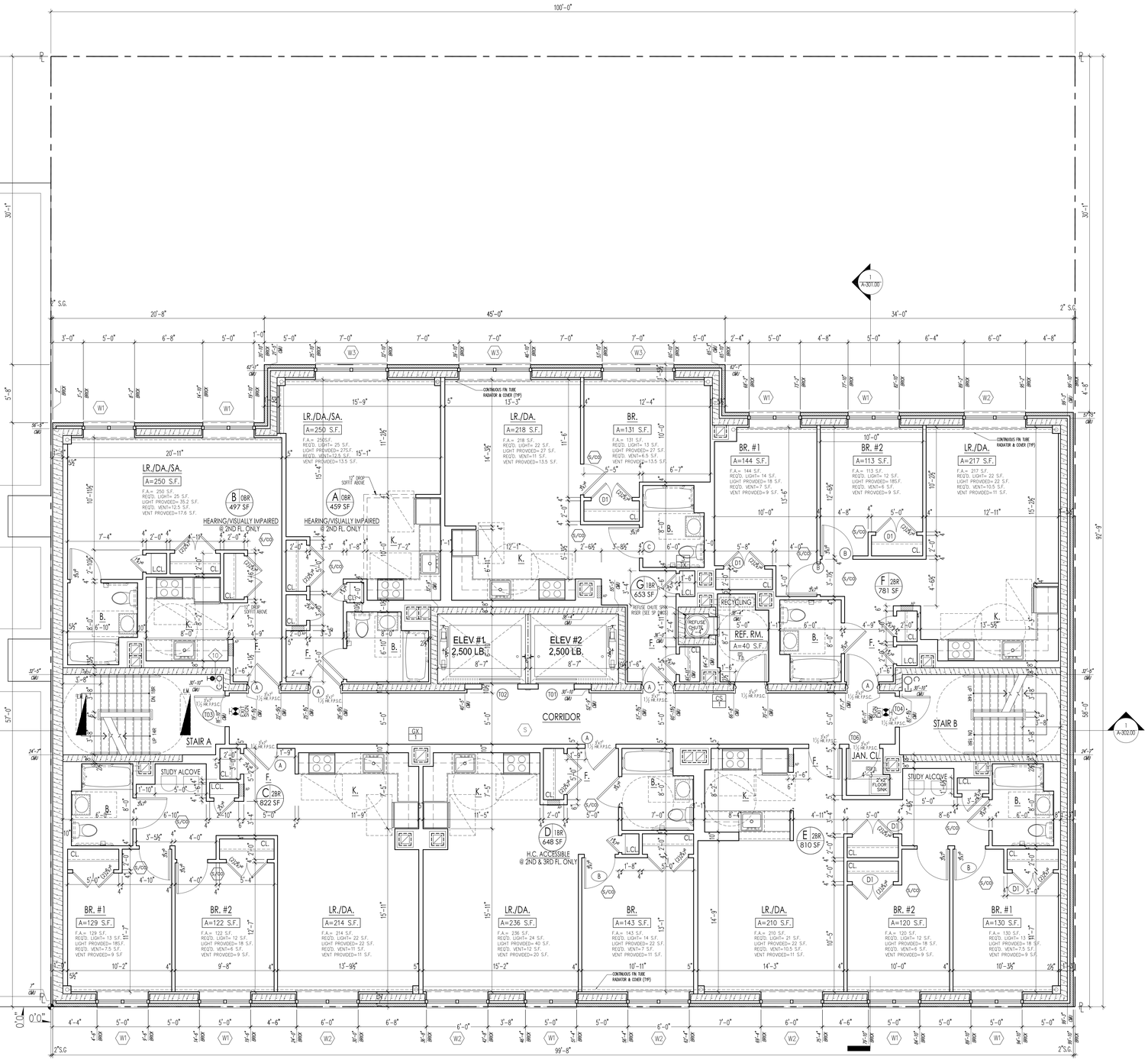
DRAWING 12 OF 46

EXISTING
5 STORY BRICK
(OUT PARCEL)

NOTES:
1. SOUND ATTENUATION INSULATION WILL BE PROVIDED AT WALLS BETWEEN UNITS AND JANITORS CLOSET, REFUSE ROOM & ELEVATOR SHAFT.
2.HARDWIRED CARBON MONOXIDE DETECTORS SHALL COMPLY WITH RS 17-13 AND INSTALLED IN ACCORDANCE WITH RS 17-14. IT SHALL BE PROVIDED IN EVERY DWELLING UNIT WITHIN FIFTEEN FEET OF THE PRIMARY ENTRANCE OF EACH BEDROOM. (AS PER LL 7/04)

NOTE
DESIGN TO RESIST EFFECTS OF EARTHQUAKE MOTIONS AND ASSIGNED SEISMIC DESIGN CATEGORY, AS SET FORTH IN SECTION 1616.3

AREA PER FLOOR: 5,970 SQ. FT.



1 TYP.2ND THRU 6TH FLOOR PLAN
1/8" = 1'-0"

PROJECT:

HENRY PHIPPS PLAZA INCLUSIONARY ONE

325 EAST 25TH STREET
NEW YORK,NY 10010

OWNER:
HENRY PHIPPS PLAZA SOUTH HDFC
902 BROADWAY
NEW YORK, NY 10010
TEL: (212) 243-9090
FAX:(212) 727-1639

ARCHITECT:
SLCE*Architects*
1359 BROADWAY
NEW YORK, NEW YORK 10018
TEL: (212) 979-8400
FAX: (212) 979-8387

STRUCTURAL ENGINEER:
DENARDIS ENGINEERING L.L.C.
15 RESERVOIR ROAD
WHITE PLAINS, NY 10603
TEL: (914) 948-8844
FAX: (914)948-8868

MECHANICAL ENGINEER:
RODKIN CARDINALE, P.C.
224 WEST 29TH STREET
NEW YORK, NY 10001
TEL: (212) 239-1892
FAX:(212) 239-6412

LANDSCAPE:
ABEL BAINNSON BUTZ, LLP
80 EIGHTH AVENUE, SUITE 1105
NEW YORK, NEW YORK 10705
TEL: (212) 206-0630
FAX: (212) 645-0048

No:	Date:	Distribution:
1	09/01/09	REVISED PER DOB OBJECTIONS
	06/15/09	DOB Submission
No:	Date:	Revision:

SCALE:

0 1' 2' 4' 8'

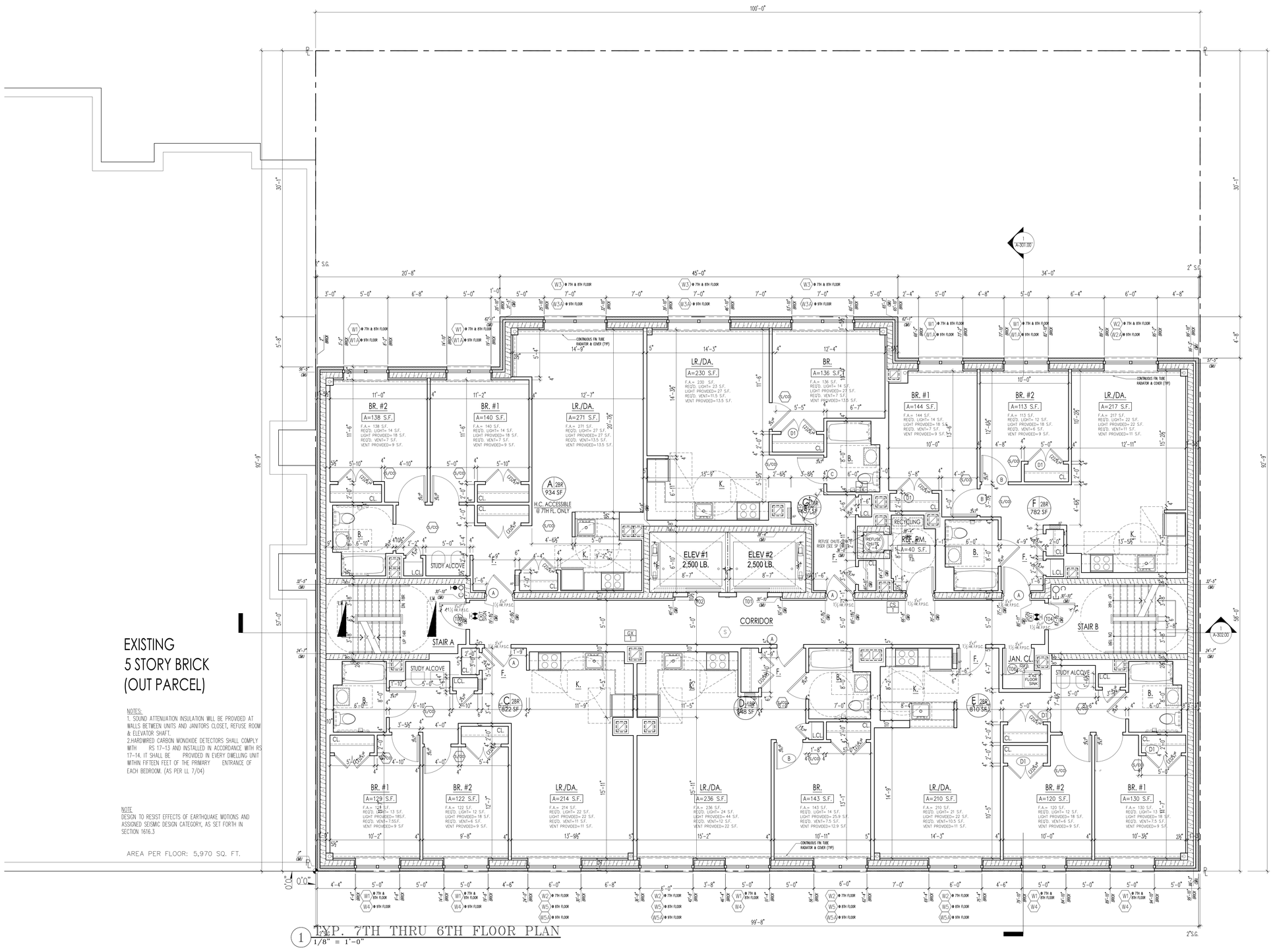
KEY PLAN:

2ND - 6TH FLOOR PLAN

SEAL & SIGNATURE:

PROJECT No:	2006-30
DRAWN BY:	R.LAZAREVIC
CHECKED BY:	S.YAKAS
DWG. No:	A-103.00

DRAWING 14 OF 46



EXISTING
5 STORY BRICK
(OUT PARCEL)

NOTES:
1. SOUND ATTENUATION INSULATION WILL BE PROVIDED AT WALLS BETWEEN UNITS AND JANITORS CLOSET, REFUSE ROOM & ELEVATOR SHAFT.
2.HARDWIRED CARBON MONOXIDE DETECTORS SHALL COMPLY WITH RS 17-13 AND INSTALLED IN ACCORDANCE WITH RS 17-14. IT SHALL BE PROVIDED IN EVERY DWELLING UNIT WITHIN FIFTEEN FEET OF THE PRIMARY ENTRANCE OF EACH BEDROOM. (AS PER LL 7/04)

NOTE
DESIGN TO RESIST EFFECTS OF EARTHQUAKE MOTIONS AND ASSIGNED SEISMIC DESIGN CATEGORY, AS SET FORTH IN SECTION 1616.3

AREA PER FLOOR: 5,970 SQ. FT.

PROJECT:

HENRY PHIPPS PLAZA INCLUSIONARY ONE

325 EAST 25TH STREET
NEW YORK,NY 10010

OWNER:
HENRY PHIPPS PLAZA SOUTH HDFC
902 BROADWAY
NEW YORK, NY 10010
TEL: (212) 243-9090
FAX:(212) 727-1639

ARCHITECT:
SLCE*Architects*
1359 BROADWAY
NEW YORK, NEW YORK 10018
TEL: (212) 979-8400
FAX: (212) 979-8387

STRUCTURAL ENGINEER:
DENARDIS ENGINEERING L.L.C.
15 RESERVOIR ROAD
WHITE PLAINS, NY 10603
TEL: (914) 948-8844
FAX: (914)948-8868

MECHANICAL ENGINEER:
RODKIN CARDINALE, P.C.
224 WEST 29TH STREET
NEW YORK, NY 10001
TEL: (212) 239-1892
FAX:(212) 239-6412

LANDSCAPE:
ABEL BAINNSON BUTZ, LLP
80 EIGHTH AVENUE, SUITE 1105
NEW YORK, NEW YORK 10705
TEL: (212) 206-0630
FAX: (212) 645-0048

No:	Date:	Revision:
	Date:	Distribution:
1	09/01/09	REVISED PER DOB OBJECTIONS
	06/15/09	DOB Submission

SCALE:

0 1' 2' 4' 8'

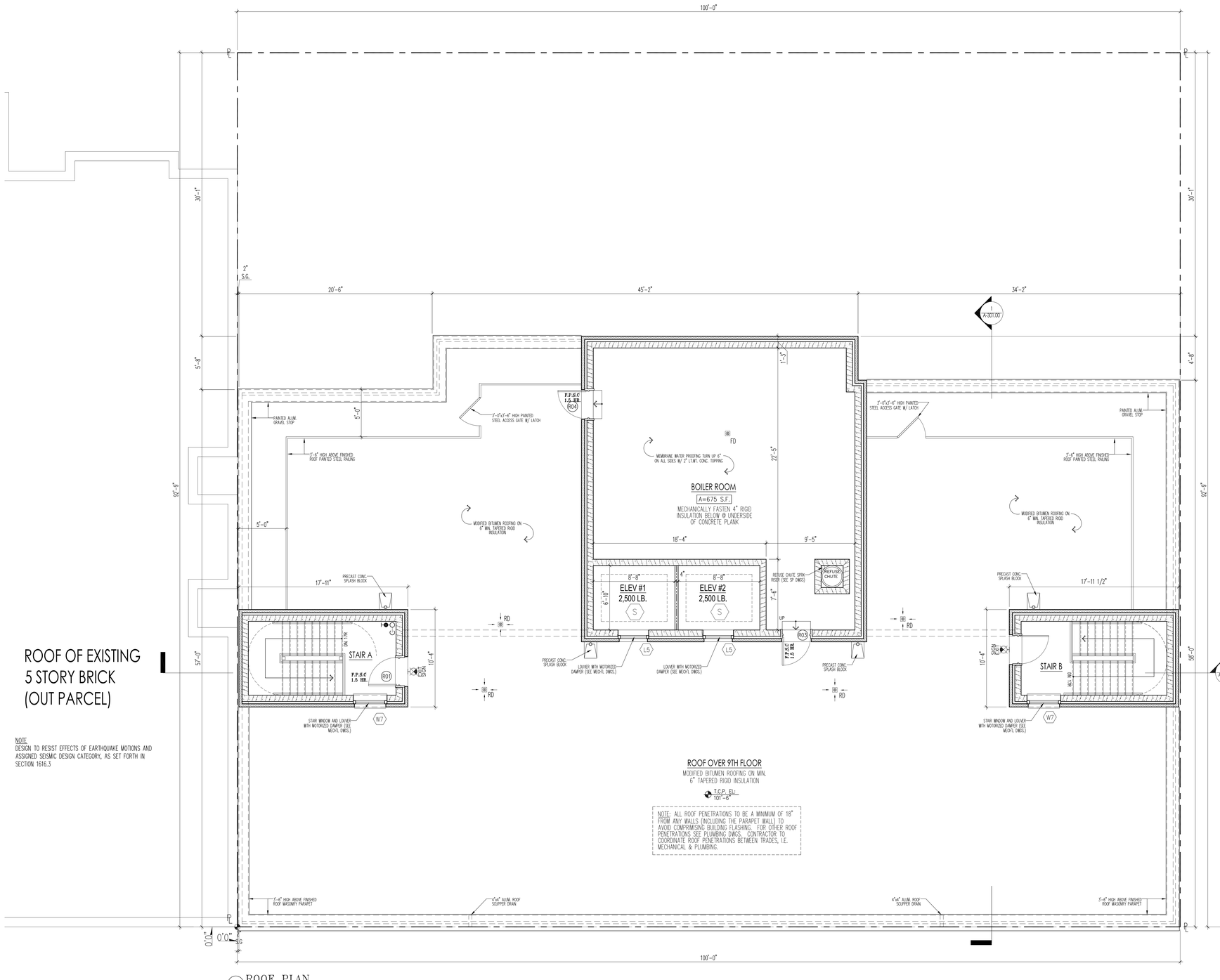
KEY PLAN:

7TH - 9TH FLOOR PLAN

SEAL & SIGNATURE:

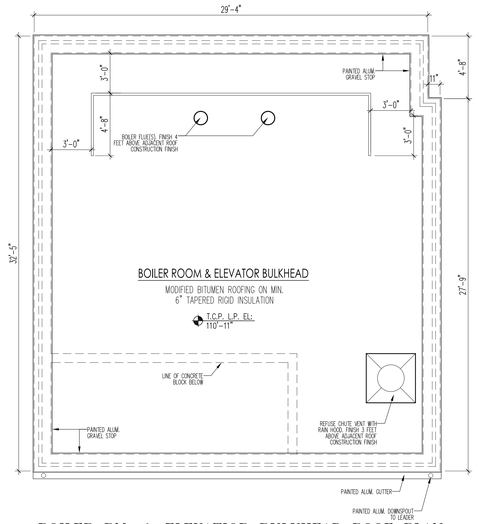
PROJECT No:	2006-30
DRAWN BY:	R.LAZAREVIC
CHECKED BY:	S.YAKAS
DWG. No:	A-104.00

DRAWING 13 OF 46

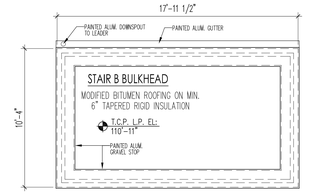


NOTE
DESIGN TO RESIST EFFECTS OF EARTHQUAKE MOTIONS AND ASSIGNED SEISMIC DESIGN CATEGORY, AS SET FORTH IN SECTION 1616.3

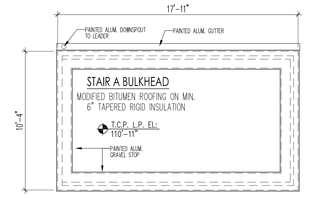
1 ROOF PLAN
1/8" = 1'-0"



2 BOILER RM. & ELEVATOR BULKHEAD ROOF PLAN
1/4" = 1'-0"



3 STAIR B BULKHEAD ROOF PLAN
1/4" = 1'-0"



4 STAIR A BULKHEAD ROOF PLAN
1/4" = 1'-0"

PROJECT:

HENRY PHIPPS PLAZA INCLUSIONARY ONE

325 EAST 25TH STREET
NEW YORK,NY 10010

OWNER:
HENRY PHIPPS PLAZA SOUTH HDFC
902 BROADWAY
NEW YORK, NY 10010
TEL: (212) 243-9090
FAX:(212) 727-1639

ARCHITECT:
SLCE*Architects*
1359 BROADWAY
NEW YORK, NEW YORK 10018
TEL: (212) 979-8400
FAX: (212) 979-8387

STRUCTURAL ENGINEER:
DENARDIS ENGINEERING L.L.C.
15 RESERVOIR ROAD
WHITE PLAINS, NY 10603
TEL: (914) 948-8844
FAX: (914)948-8868

MECHANICAL ENGINEER:
RODKIN CARDINALE, P.C.
224 WEST 29TH STREET
NEW YORK, NY 10001
TEL: (212) 239-1892
FAX:(212) 239-6412

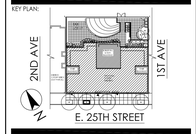
LANDSCAPE:
ABEL BAINNSON BUTZ, LLP
80 EIGHTH AVENUE, SUITE 1105
NEW YORK, NEW YORK 10705
TEL: (212) 206-0630
FAX: (212) 645-0048

No:	Date:	Revision:
		Date: Distribution:
1	09/01/09	REVISED PER DOB OBJECTIONS
	06/15/09	DOB Submission

SCALE:

0 1' 2' 4' 8'

KEY PLAN:



ROOF PLAN

SEAL & SIGNATURE:

PROJECT No:	2006-30
DRAWN BY:	R.LAZAREVIC
CHECKD BY:	S.YAKAS
DWG. No:	A-105.00

DRAWING 16 OF 46

Appendix B

Soil Boring Logs

P.W. GROSSER CONSULTING

Boring Designation:	SB001	**Logged By:**	JMC
Site Address:	325 E. 25th Street, New York, NY	**Project Manager:**	TM
Project Name:	Phipps Plaza	**Project Number:**	PHG1301
Drilling Contractor:	Associated Environmental	**Driller Name:**	Jose
Drilling Method:	Geoprobe	**Borehole Diameter:**	2"
Sampling Method:	Macro-core	**Borehole Depth:**	5'
Start Time:	11:29	**Completion Time:**	12:05
Start Date:	8/22/2013	**Completion Date:**	8/22/2013

Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	Notes
0	4	2.0		SM	Dk Brown	Dry	Dark brown fine soil/sand, dry, poorly sorted with pieces of crushed brick and gravel. Wood chips at 5'BGS. No plasticity, moderately graded, no odor.	PID = 0.0 ppm
4	4							
5							E.O.B @ 5 feet bgs	

P.W. GROSSER CONSULTING

Boring Designation:	SB002	**Logged By:**	JMC
Site Address:	325 E. 25th Street, New York, NY	**Project Manager:**	TM
Project Name:	Phipps Plaza	**Project Number:**	PHG1301
Drilling Contractor:	Associated Environmental	**Driller Name:**	Jose
Drilling Method:	Geoprobe	**Borehole Diameter:**	2"
Sampling Method:	Macro-core	**Borehole Depth:**	8'
Start Time:	13:25	**Completion Time:**	14:00
Start Date:	8/22/2013	**Completion Date:**	8/22/2013

Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	Notes
0	4	1.5		SM	Dk Brown	Dry	Dark brown/gray silt, poorly sorted, dry, broken brick, no odor.	PID = 0.0 ppm
4	4	2.0		SM	Dk Brown	Dry	Dark brown sand/silt, moderately sorted, moderately graded, crushed brick, no odor, dry, no plasticity.	PID = 0.0 ppm
8				SM	Dk Brown	Dry	E.O.B. @ 8 feet bgs	
15								
20								
25								
30								
35								
40								

P.W. GROSSER CONSULTING

Boring Designation:	SB003	**Logged By:**	JMC
Site Address:	325 E. 25th Street, New York, NY	**Project Manager:**	TM
Project Name:	Phipps Plaza	**Project Number:**	PHG1301
Drilling Contractor:	Associated Environmental	**Driller Name:**	Jose
Drilling Method:	Geoprobe	**Borehole Diameter:**	2"
Sampling Method:	Macro core	**Borehole Depth:**	5'
Start Time:	11:22	**Completion Time:**	23:28
Start Date:	8/22/2013	**Completion Date:**	8/22/2013

Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	Notes
0	4	4.0		SM	Dk Borwn	Dry	Dark brown/gray soil, poorly sorted, mixed with broken pieces of brick and assorted cobble. No plasticity, moderately graded, fine particles, dry. No odor.	PID = 0.0 ppm
2								PID = 0.0 ppm
4	4							PID = 0.0 ppm
5								
							E.O.B @ 5 feet bgs	
15								
20								
25								
30								
35								
40								

Appendix C

Well Sampling Logs

P.W. GROSSER CONSULTING, Inc

Well Sampling Log

Well Designation:	MW	**Sampled By:**	JMC
Site Address:	325 E. 25th Street, New York, NY	**Project Manager:**	TM
Project Name:	Phipps Plaza	**Project Number:**	PHG1301

Reference Elevation (ft):		**Well Use:**	Monitoring/Observation
Depth to Product (ft):	NA	**Product Elevation (ft):**	NA
Depth to Water (ft):	11.49	**Groundwater Elevation (ft):**	NA
Depth to Bottom (ft):	29.72	**Bottom Elevation (ft):**	NA
Height of Water Column (ft):	18.23	**Well Diameter (in):**	1.5
Standing Water Volume (gal):	1.67	**Calculated Purge Volume (gal):**	5.02
Sample Date:	8/23/2013	**Begin Purge Time:**	13:14
Sample Time:	14:15	**Complete Purge Time:**	14:10
Purge Method:	Peristaltic Pump	**Sample Method:**	Peristaltic Pump
Purge Rate (gpm):	0.09	**Purge Time (min):**	56
Actual Purge Volume (gal):	5.00	**Casing Volumes Removed:**	3.0
Sample Appearance:	clear	**Odors Observed:**	no odor
Analytical Laboratory:	Alpha Analytical	**Notes:**	Field Parameters were not collected.
Date Shipped:			
Analyses Requested:			
8260, 8270, Metals (Filtered and Unfiltered), Pesticides, PCB			

Field Indicator Parameters

Reading	Time	Temp. (ºC)	pH	Turbidity NTU	ORP mV	Cond. (mS/cm)	DO mg/L		
1									
2									
3									
4									
5									
6									
7									
8									
9									

Appendix D

Soil Vapor Sampling Logs

P.W. GROSSER CONSULTING

Sample ID	Sample Date	Start Time	End Time	Initial Vacuum (inH$_2$0)	Final Vacuum (inH$_2$0)	Sample Matrix	Canister Size (liters)	Laboratory	Canister ID	Regulator ID	Notes
SV001	8/23/2013	10:43	12:42	-30.14	-8.29	Soil Vapor	2.7	Alpha	143	576	
SV002	8/23/2013	11:37	13:37	-29.59	-6.63	Soil Vapor	2.7	Alpha	462	454	
SV003	8/23/2013	12:36	14:36	-30.32	-7.38	Soil Vapor	2.7	Alpha	114	386	

Appendix E

Laboratory Analytical Report

ANALYTICAL REPORT

Lab Number:	L1316532
Client:	P. W. Grosser 630 Johnson Avenue Suite 7 Bohemia, NY 11716
ATTN:	Thomas Melia
Phone:	(631) 589-6353
Project Name:	PHG1301
Project Number:	PHG1301
Report Date:	09/03/13

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: PHG1301
Project Number: PHG1301

Lab Number: L1316532
Report Date: 09/03/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1316532-01	SB001 (3-5')	325 E. 25TH ST, NY, NY	08/22/13 12:05
L1316532-02	SB002 (2-4')	325 E. 25TH ST, NY, NY	08/22/13 13:55
L1316532-03	SB003 (3-5')	325 E. 25TH ST, NY, NY	08/22/13 11:28
L1316532-04	MW	325 E. 25TH ST, NY, NY	08/23/13 14:15
L1316532-05	FIELD BLANK	325 E. 25TH ST, NY, NY	08/23/13 12:25
L1316532-06	TRIP BLANK	325 E. 25TH ST, NY, NY	08/23/13 00:00

Project Name: PHG1301 **Lab Number:** L1316532
Project Number: PHG1301 **Report Date:** 09/03/13

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. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for 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 free of charge for 30 days from the date the project is completed. After 30 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.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: PHG1301 **Lab Number:** L1316532
Project Number: PHG1301 **Report Date:** 09/03/13

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.

Semivolatile Organics

L1316532-01, -02, and -03 have elevated detection limits due to the dilutions required by the sample matrices.

The WG631808-2/-3 LCS/LCSD recoveries, associated with L1316532-04 and -05, are below the acceptance criteria for benzoic acid (0%/0%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported.

Pesticides

L1316532-02 has elevated detection limits due to the dilution required by the sample matrix.

The surrogate recoveries for L1316532-02 are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene and decachlorobiphenyl (both 0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

The surrogate recovery for the WG632111-1 Method Blank is below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (29%/20%). The associated sample is non-detect and has acceptable surrogate recoveries; therefore, no further actions were taken.

Total Metals

L1316532-02 has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

The WG631483-4 MS recoveries for calcium (165%) and magnesium (155%), performed on L1316532-04, do not apply because the sample concentration is greater than four times the spike amount added.

The WG631483-4 MS recoveries, performed on L1316532-04, is above the acceptance criteria for potassium (123%) and sodium (122%). A post digestion spike was performed with acceptable recoveries of potassium (109%) and sodium (93%).

Project Name:	PHG1301	**Lab Number:**	L1316532
Project Number:	PHG1301	**Report Date:**	09/03/13

Case Narrative (continued)

Dissolved Metals

The WG631913-4 MS recovery, performed on L1316532-04, is above the acceptance criteria for sodium (121%). A post digestion spike was performed with an acceptable recovery of 114%.

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: Cynthia McQueen

Title: Technical Director/Representative Date: 09/03/13

ORGANICS

VOLATILES

Project Name: PHG1301 **Lab Number:** L1316532

Project Number: PHG1301 **Report Date:** 09/03/13

SAMPLE RESULTS

Lab ID:	L1316532-02	Date Collected:	08/22/13 13:55
Client ID:	SB002 (2-4')	Date Received:	08/23/13
Sample Location:	325 E. 25TH ST, NY, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	08/31/13 18:55		
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	6.5	1.3	1
1,1-Dichloroethane	ND		ug/kg	0.98	0.12	1
Chloroform	ND		ug/kg	0.98	0.24	1
Carbon tetrachloride	ND		ug/kg	0.65	0.14	1
1,2-Dichloropropane	ND		ug/kg	2.3	0.15	1
Dibromochloromethane	ND		ug/kg	0.65	0.20	1
1,1,2-Trichloroethane	ND		ug/kg	0.98	0.20	1
Tetrachloroethene	ND		ug/kg	0.65	0.09	1
Chlorobenzene	ND		ug/kg	0.65	0.23	1
Trichlorofluoromethane	ND		ug/kg	3.2	0.08	1
1,2-Dichloroethane	ND		ug/kg	0.65	0.10	1
1,1,1-Trichloroethane	ND		ug/kg	0.65	0.07	1
Bromodichloromethane	ND		ug/kg	0.65	0.15	1
trans-1,3-Dichloropropene	ND		ug/kg	0.65	0.08	1
cis-1,3-Dichloropropene	ND		ug/kg	0.65	0.08	1
1,1-Dichloropropene	ND		ug/kg	3.2	0.30	1
Bromoform	ND		ug/kg	2.6	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.65	0.11	1
Benzene	ND		ug/kg	0.65	0.08	1
Toluene	ND		ug/kg	0.98	0.07	1
Ethylbenzene	ND		ug/kg	0.65	0.10	1
Chloromethane	ND		ug/kg	3.2	0.51	1
Bromomethane	ND		ug/kg	1.3	0.22	1
Vinyl chloride	ND		ug/kg	1.3	0.09	1
Chloroethane	ND		ug/kg	1.3	0.20	1
1,1-Dichloroethene	ND		ug/kg	0.65	0.13	1
trans-1,2-Dichloroethene	ND		ug/kg	0.98	0.14	1
Trichloroethene	ND		ug/kg	0.65	0.10	1
1,2-Dichlorobenzene	ND		ug/kg	3.2	0.12	1
1,3-Dichlorobenzene	ND		ug/kg	3.2	0.12	1
1,4-Dichlorobenzene	ND		ug/kg	3.2	0.16	1

Project Name: PHG1301 **Lab Number:** L1316532

Project Number: PHG1301 **Report Date:** 09/03/13

SAMPLE RESULTS

Lab ID: L1316532-02 Date Collected: 08/22/13 13:55

Client ID: SB002 (2-4') Date Received: 08/23/13

Sample Location: 325 E. 25TH ST, NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	1.3	0.07	1
p/m-Xylene	ND		ug/kg	1.3	0.21	1
o-Xylene	ND		ug/kg	1.3	0.18	1
cis-1,2-Dichloroethene	ND		ug/kg	0.65	0.10	1
Dibromomethane	ND		ug/kg	6.5	0.11	1
Styrene	ND		ug/kg	1.3	0.20	1
Dichlorodifluoromethane	ND		ug/kg	6.5	0.14	1
Acetone	2.4	J	ug/kg	6.5	2.0	1
Carbon disulfide	ND		ug/kg	6.5	1.3	1
2-Butanone	ND		ug/kg	6.5	0.23	1
Vinyl acetate	ND		ug/kg	6.5	0.31	1
4-Methyl-2-pentanone	ND		ug/kg	6.5	0.16	1
1,2,3-Trichloropropane	ND		ug/kg	6.5	0.15	1
2-Hexanone	ND		ug/kg	6.5	0.12	1
Bromochloromethane	ND		ug/kg	3.2	0.13	1
2,2-Dichloropropane	ND		ug/kg	3.2	0.15	1
1,2-Dibromoethane	ND		ug/kg	2.6	0.12	1
1,3-Dichloropropane	ND		ug/kg	3.2	0.11	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.65	0.21	1
Bromobenzene	ND		ug/kg	3.2	0.14	1
n-Butylbenzene	ND		ug/kg	0.65	0.13	1
sec-Butylbenzene	ND		ug/kg	0.65	0.13	1
tert-Butylbenzene	ND		ug/kg	3.2	0.36	1
o-Chlorotoluene	ND		ug/kg	3.2	0.10	1
p-Chlorotoluene	ND		ug/kg	3.2	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	0.51	1
Hexachlorobutadiene	ND		ug/kg	3.2	0.28	1
Isopropylbenzene	ND		ug/kg	0.65	0.11	1
p-Isopropyltoluene	ND		ug/kg	0.65	0.12	1
Naphthalene	ND		ug/kg	3.2	0.50	1
Acrylonitrile	ND		ug/kg	6.5	0.15	1
n-Propylbenzene	ND		ug/kg	0.65	0.08	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.2	0.11	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.2	0.51	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.2	0.09	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.2	0.37	1
1,4-Dioxane	ND		ug/kg	65	11.	1
1,4-Diethylbenzene	ND		ug/kg	2.6	0.10	1
4-Ethyltoluene	ND		ug/kg	2.6	0.08	1

Project Name: PHG1301 **Lab Number:** L1316532

Project Number: PHG1301 **Report Date:** 09/03/13

SAMPLE RESULTS

Lab ID: L1316532-02 Date Collected: 08/22/13 13:55

Client ID: SB002 (2-4') Date Received: 08/23/13

Sample Location: 325 E. 25TH ST, NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.6	0.09	1
Ethyl ether	ND		ug/kg	3.2	0.17	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	3.2	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	101		70-130

Project Name: PHG1301 **Lab Number:** L1316532

Project Number: PHG1301 **Report Date:** 09/03/13

SAMPLE RESULTS

Lab ID: L1316532-04
Client ID: MW
Sample Location: 325 E. 25TH ST, NY, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/27/13 12:31
Analyst: PD

Date Collected: 08/23/13 14:15
Date Received: 08/23/13
Field Prep: Not Specified

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
1,1-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	0.33	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	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: PHG1301 **Lab Number:** L1316532

Project Number: PHG1301 **Report Date:** 09/03/13

SAMPLE RESULTS

Lab ID: L1316532-04 Date Collected: 08/23/13 14:15

Client ID: MW Date Received: 08/23/13

Sample Location: 325 E. 25TH ST, NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
cis-1,2-Dichloroethene	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	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	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
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
1,4-Diethylbenzene	ND		ug/l	2.0	0.70	1
4-Ethyltoluene	ND		ug/l	2.0	0.70	1

Project Name: PHG1301 **Lab Number:** L1316532

Project Number: PHG1301 **Report Date:** 09/03/13

SAMPLE RESULTS

Lab ID: L1316532-04 Date Collected: 08/23/13 14:15

Client ID: MW Date Received: 08/23/13

Sample Location: 325 E. 25TH ST, NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	96		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	102		70-130

Project Name: PHG1301 **Lab Number:** L1316532

Project Number: PHG1301 **Report Date:** 09/03/13

SAMPLE RESULTS

Lab ID:	L1316532-05	Date Collected:	08/23/13 12:25
Client ID:	FIELD BLANK	Date Received:	08/23/13
Sample Location:	325 E. 25TH ST, NY, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	08/27/13 12:58		
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
1,1-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	0.33	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	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: PHG1301 **Lab Number:** L1316532

Project Number: PHG1301 **Report Date:** 09/03/13

SAMPLE RESULTS

Lab ID: L1316532-05 Date Collected: 08/23/13 12:25

Client ID: FIELD BLANK Date Received: 08/23/13

Sample Location: 325 E. 25TH ST, NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
cis-1,2-Dichloroethene	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	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	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
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
1,4-Diethylbenzene	ND		ug/l	2.0	0.70	1
4-Ethyltoluene	ND		ug/l	2.0	0.70	1

Project Name: PHG1301 **Lab Number:** L1316532

Project Number: PHG1301 **Report Date:** 09/03/13

SAMPLE RESULTS

Lab ID: L1316532-05 Date Collected: 08/23/13 12:25

Client ID: FIELD BLANK Date Received: 08/23/13

Sample Location: 325 E. 25TH ST, NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	97		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	102		70-130

Project Name: PHG1301 **Lab Number:** L1316532

Project Number: PHG1301 **Report Date:** 09/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/27/13 12:04
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-05 Batch: WG631884-3					
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
1,1-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	0.33
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	0.17
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

Project Name: PHG1301 **Lab Number:** L1316532

Project Number: PHG1301 **Report Date:** 09/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/27/13 12:04
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-05 Batch: WG631884-3					
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
cis-1,2-Dichloroethene	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	1.0
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.0
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
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

Project Name: PHG1301 **Lab Number:** L1316532

Project Number: PHG1301 **Report Date:** 09/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/27/13 12:04
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-05 Batch: WG631884-3					
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
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/l		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	100		70-130

Project Name: PHG1301 **Lab Number:** L1316532

Project Number: PHG1301 **Report Date:** 09/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/31/13 09:34
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02 Batch: WG633263-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
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	0.31
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	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: PHG1301 **Lab Number:** L1316532

Project Number: PHG1301 **Report Date:** 09/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/31/13 09:34
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02 Batch: WG633263-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
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	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: PHG1301 **Lab Number:** L1316532

Project Number: PHG1301 **Report Date:** 09/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/31/13 09:34
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02 Batch: WG633263-3					
Isopropyl Ether	ND		ug/kg	4.0	0.14
tert-Butyl Alcohol	ND		ug/kg	60	0.91
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Ethyl Acetate	ND		ug/kg	20	0.82
Acrolein	ND		ug/kg	25	9.2
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
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	0.38
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.42
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.58

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/kg

Project Name: PHG1301 **Lab Number:** L1316532

Project Number: PHG1301 **Report Date:** 09/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/31/13 09:34
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02 Batch: WG633263-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: PHG1301

Project Number: PHG1301

Lab Number: L1316532

Report Date: 09/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG631884-1 WG631884-2								
Methylene chloride	83		92		70-130	10		20
1,1-Dichloroethane	89		97		70-130	9		20
Chloroform	90		99		70-130	10		20
Carbon tetrachloride	95		101		63-132	6		20
1,2-Dichloropropane	92		101		70-130	9		20
Dibromochloromethane	91		98		63-130	7		20
1,1,2-Trichloroethane	91		98		70-130	7		20
Tetrachloroethene	89		98		70-130	10		20
Chlorobenzene	87		97		75-130	11		20
Trichlorofluoromethane	75		79		62-150	5		20
1,2-Dichloroethane	83		89		70-130	7		20
1,1,1-Trichloroethane	90		98		67-130	9		20
Bromodichloromethane	88		96		67-130	9		20
trans-1,3-Dichloropropene	89		98		70-130	10		20
cis-1,3-Dichloropropene	90		100		70-130	11		20
1,1-Dichloropropene	92		100		70-130	8		20
Bromoform	93		103		54-136	10		20
1,1,2,2-Tetrachloroethane	96		102		67-130	6		20
Benzene	94		102		70-130	8		20
Toluene	88		97		70-130	10		20
Ethylbenzene	86		96		70-130	11		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: PHG1301

Project Number: PHG1301

Lab Number: L1316532

Report Date: 09/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG631884-1 WG631884-2								
Chloromethane	71		74		64-130	4		20
Bromomethane	54		60		39-139	11		20
Vinyl chloride	66		71		55-140	7		20
Chloroethane	60		66		55-138	10		20
1,1-Dichloroethene	87		94		61-145	8		20
trans-1,2-Dichloroethene	91		99		70-130	8		20
Trichloroethene	93		100		70-130	7		20
1,2-Dichlorobenzene	88		97		70-130	10		20
1,3-Dichlorobenzene	88		99		70-130	12		20
1,4-Dichlorobenzene	86		96		70-130	11		20
Methyl tert butyl ether	93		100		63-130	7		20
p/m-Xylene	87		96		70-130	10		20
o-Xylene	85		95		70-130	11		20
cis-1,2-Dichloroethene	92		100		70-130	8		20
Dibromomethane	93		99		70-130	6		20
1,2,3-Trichloropropane	96		108		64-130	12		20
Acrylonitrile	106		110		70-130	4		20
Styrene	84		95		70-130	12		20
Dichlorodifluoromethane	61		63		36-147	3		20
Acetone	93		97		58-148	4		20
Carbon disulfide	79		85		51-130	7		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: PHG1301
Project Number: PHG1301

Lab Number: L1316532
Report Date: 09/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG631884-1 WG631884-2								
2-Butanone	95		96		63-138	1		20
Vinyl acetate	93		99		70-130	6		20
4-Methyl-2-pentanone	94		97		59-130	3		20
2-Hexanone	81		84		57-130	4		20
Bromochloromethane	96		104		70-130	8		20
2,2-Dichloropropane	91		97		63-133	6		20
1,2-Dibromoethane	90		96		70-130	6		20
1,3-Dichloropropane	89		96		70-130	8		20
1,1,1,2-Tetrachloroethane	88		99		64-130	12		20
Bromobenzene	85		96		70-130	12		20
n-Butylbenzene	84		94		53-136	11		20
sec-Butylbenzene	88		99		70-130	12		20
tert-Butylbenzene	87		97		70-130	11		20
o-Chlorotoluene	86		100		70-130	15		20
p-Chlorotoluene	84		95		70-130	12		20
1,2-Dibromo-3-chloropropane	80		89		41-144	11		20
Hexachlorobutadiene	81		94		63-130	15		20
Isopropylbenzene	84		96		70-130	13		20
p-Isopropyltoluene	88		98		70-130	11		20
Naphthalene	91		97		70-130	6		20
n-Propylbenzene	84		94		69-130	11		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: PHG1301
Project Number: PHG1301

Lab Number: L1316532
Report Date: 09/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG631884-1 WG631884-2								
1,2,3-Trichlorobenzene	86		94		70-130	9		20
1,2,4-Trichlorobenzene	84		93		70-130	10		20
1,3,5-Trimethylbenzene	87		98		64-130	12		20
1,2,4-Trimethylbenzene	84		94		70-130	11		20
1,4-Dioxane	115		119		56-162	3		20
1,4-Diethylbenzene	84		93		70-130	10		20
4-Ethyltoluene	86		96		70-130	11		20
1,2,4,5-Tetramethylbenzene	84		96		70-130	13		20
Ethyl ether	92		98		59-134	6		20
trans-1,4-Dichloro-2-butene	84		89		70-130	6		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	94		89		70-130
Toluene-d8	98		99		70-130
4-Bromofluorobenzene	98		99		70-130
Dibromofluoromethane	103		102		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: PHG1301
Project Number: PHG1301

Lab Number: L1316532
Report Date: 09/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG633263-1 WG633263-2								
Methylene chloride	87		84		70-130	4		30
1,1-Dichloroethane	84		83		70-130	1		30
Chloroform	87		84		70-130	4		30
Carbon tetrachloride	95		91		70-130	4		30
1,2-Dichloropropane	85		83		70-130	2		30
Dibromochloromethane	97		93		70-130	4		30
1,1,2-Trichloroethane	93		89		70-130	4		30
Tetrachloroethene	105		101		70-130	4		30
Chlorobenzene	97		93		70-130	4		30
Trichlorofluoromethane	90		87		70-139	3		30
1,2-Dichloroethane	83		80		70-130	4		30
1,1,1-Trichloroethane	91		87		70-130	4		30
Bromodichloromethane	85		82		70-130	4		30
trans-1,3-Dichloropropene	95		91		70-130	4		30
cis-1,3-Dichloropropene	88		85		70-130	3		30
1,1-Dichloropropene	91		87		70-130	4		30
Bromoform	97		95		70-130	2		30
1,1,2,2-Tetrachloroethane	90		88		70-130	2		30
Benzene	88		85		70-130	3		30
Toluene	98		94		70-130	4		30
Ethylbenzene	97		94		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: PHG1301
Project Number: PHG1301

Lab Number: L1316532
Report Date: 09/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG633263-1 WG633263-2								
Chloromethane	75		73		52-130	3		30
Bromomethane	84		82		57-147	2		30
Vinyl chloride	82		80		67-130	2		30
Chloroethane	87		84		50-151	4		30
1,1-Dichloroethene	92		90		65-135	2		30
trans-1,2-Dichloroethene	91		88		70-130	3		30
Trichloroethene	90		87		70-130	3		30
1,2-Dichlorobenzene	99		97		70-130	2		30
1,3-Dichlorobenzene	102		99		70-130	3		30
1,4-Dichlorobenzene	100		98		70-130	2		30
Methyl tert butyl ether	86		82		66-130	5		30
p/m-Xylene	101		97		70-130	4		30
o-Xylene	99		94		70-130	5		30
cis-1,2-Dichloroethene	89		86		70-130	3		30
Dibromomethane	86		83		70-130	4		30
Styrene	98		94		70-130	4		30
Dichlorodifluoromethane	75		75		30-146	0		30
Acetone	80		63		54-140	24		30
Carbon disulfide	84		82		59-130	2		30
2-Butanone	89		75		70-130	17		30
Vinyl acetate	78		76		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: PHG1301
Project Number: PHG1301

Lab Number: L1316532
Report Date: 09/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG633263-1 WG633263-2								
4-Methyl-2-pentanone	81		76		70-130	6		30
1,2,3-Trichloropropane	91		88		68-130	3		30
2-Hexanone	91		76		70-130	18		30
Bromochloromethane	90		88		70-130	2		30
2,2-Dichloropropane	93		89		70-130	4		30
1,2-Dibromoethane	96		92		70-130	4		30
1,3-Dichloropropane	92		88		69-130	4		30
1,1,1,2-Tetrachloroethane	96		94		70-130	2		30
Bromobenzene	98		96		70-130	2		30
n-Butylbenzene	101		98		70-130	3		30
sec-Butylbenzene	102		99		70-130	3		30
tert-Butylbenzene	103		100		70-130	3		30
o-Chlorotoluene	100		97		70-130	3		30
p-Chlorotoluene	97		95		70-130	2		30
1,2-Dibromo-3-chloropropane	89		88		68-130	1		30
Hexachlorobutadiene	105		102		67-130	3		30
Isopropylbenzene	100		97		70-130	3		30
p-Isopropyltoluene	103		100		70-130	3		30
Naphthalene	95		93		70-130	2		30
Acrylonitrile	78		77		70-130	1		30
Isopropyl Ether	80		78		66-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: PHG1301
Project Number: PHG1301

Lab Number: L1316532
Report Date: 09/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG633263-1 WG633263-2								
tert-Butyl Alcohol	85		82		70-130	4		30
n-Propylbenzene	98		95		70-130	3		30
1,2,3-Trichlorobenzene	98		97		70-130	1		30
1,2,4-Trichlorobenzene	102		100		70-130	2		30
1,3,5-Trimethylbenzene	100		98		70-130	2		30
1,2,4-Trimethylbenzene	103		100		70-130	3		30
Methyl Acetate	74		72		51-146	3		30
Ethyl Acetate	78		74		70-130	5		30
Acrolein	84		80		70-130	5		30
Cyclohexane	86		82		59-142	5		30
1,4-Dioxane	98		93		65-136	5		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	94		90		50-139	4		30
1,4-Diethylbenzene	104		102		70-130	2		30
4-Ethyltoluene	101		98		70-130	3		30
1,2,4,5-Tetramethylbenzene	103		100		70-130	3		30
Tetrahydrofuran	75		73		66-130	3		30
Ethyl ether	79		77		67-130	3		30
trans-1,4-Dichloro-2-butene	87		85		70-130	2		30
Methyl cyclohexane	94		89		70-130	5		30
Ethyl-Tert-Butyl-Ether	84		81		70-130	4		30
Tertiary-Amyl Methyl Ether	89		86		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: PHG1301
Project Number: PHG1301

Lab Number: L1316532
Report Date: 09/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG633263-1 WG633263-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	93		92		70-130
Toluene-d8	107		107		70-130
4-Bromofluorobenzene	97		98		70-130
Dibromofluoromethane	99		99		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: PHG1301
Project Number: PHG1301

Lab Number: L1316532
Report Date: 09/03/13

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): 02 QC Batch ID: WG633263-4 WG633263-5 QC Sample: L1316535-14 Client ID: MS Sample												
Methylene chloride	ND	20.1	17	85		15	87		70-130	12		30
1,1-Dichloroethane	ND	20.1	17	85		15	85		70-130	14		30
Chloroform	ND	20.1	18	88		15	84		70-130	20		30
Carbon tetrachloride	ND	20.1	19	92		15	86		70-130	20		30
1,2-Dichloropropane	ND	20.1	17	84		14	82		70-130	16		30
Dibromochloromethane	ND	20.1	17	86		14	81		70-130	20		30
1,1,2-Trichloroethane	ND	20.1	17	85		12	**67**	Q	70-130	**38**	Q	30
Tetrachloroethene	ND	20.1	19	96		16	92		70-130	19		30
Chlorobenzene	ND	20.1	18	88		15	85		70-130	18		30
Trichlorofluoromethane	ND	20.1	19	92		16	90		70-139	16		30
1,2-Dichloroethane	ND	20.1	16	80		14	79		70-130	15		30
1,1,1-Trichloroethane	ND	20.1	19	92		16	89		70-130	17		30
Bromodichloromethane	ND	20.1	17	82		13	75		70-130	23		30
trans-1,3-Dichloropropene	ND	20.1	17	83		14	81		70-130	17		30
cis-1,3-Dichloropropene	ND	20.1	16	81		14	77		70-130	19		30
1,1-Dichloropropene	ND	20.1	18	91		15	87		70-130	19		30
Bromoform	ND	20.1	17	86		15	85		70-130	16		30
1,1,2,2-Tetrachloroethane	ND	20.1	2.2	**11**	Q	ND	**0**	Q	70-130	NC		30
Benzene	ND	20.1	18	87		15	85		70-130	17		30
Toluene	ND	20.1	19	93		16	90		70-130	17		30
Ethylbenzene	ND	20.1	18	89		15	86		70-130	18		30

Matrix Spike Analysis
Batch Quality Control

Project Name: PHG1301
Project Number: PHG1301

Lab Number: L1316532
Report Date: 09/03/13

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): 02 QC Batch ID: WG633263-4 WG633263-5 QC Sample: L1316535-14 Client ID: MS Sample												
Chloromethane	ND	20.1	15	76		14	78		52-130	12		30
Bromomethane	ND	20.1	16	77		14	78		57-147	13		30
Vinyl chloride	ND	20.1	16	79		14	81		67-130	11		30
Chloroethane	ND	20.1	17	83		15	85		50-151	12		30
1,1-Dichloroethene	ND	20.1	19	94		19	108		65-135	1		30
trans-1,2-Dichloroethene	ND	20.1	18	91		16	89		70-130	17		30
Trichloroethene	ND	20.1	31	**152**	Q	28	**160**	Q	70-130	10		30
1,2-Dichlorobenzene	ND	20.1	17	83		14	81		70-130	17		30
1,3-Dichlorobenzene	ND	20.1	17	82		14	81		70-130	16		30
1,4-Dichlorobenzene	ND	20.1	16	81		14	80		70-130	16		30
Methyl tert butyl ether	ND	20.1	16	78		14	79		66-130	12		30
p/m-Xylene	ND	40.3	36	89		30	87		70-130	17		30
o-Xylene	ND	40.3	35	88		30	86		70-130	17		30
cis-1,2-Dichloroethene	ND	20.1	17	86		15	85		70-130	16		30
Dibromomethane	ND	20.1	16	81		14	80		70-130	17		30
Styrene	ND	40.3	35	86		29	83		70-130	18		30
Dichlorodifluoromethane	ND	20.1	16	78		13	77		30-146	15		30
Acetone	5.2J	20.1	30	**147**	Q	29	**167**	Q	54-140	2		30
Carbon disulfide	ND	20.1	17	86		14	81		59-130	20		30
2-Butanone	ND	20.1	22	110		19	111		70-130	13		30
Vinyl acetate	ND	20.1	2.0J	**10**	Q	1.7J	**10**	Q	70-130	16		30

Matrix Spike Analysis
Batch Quality Control

Project Name: PHG1301
Project Number: PHG1301

Lab Number: L1316532
Report Date: 09/03/13

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): 02 QC Batch ID: WG633263-4 WG633263-5 QC Sample: L1316535-14 Client ID: MS Sample												
4-Methyl-2-pentanone	ND	20.1	17	83		14	82		70-130	15		30
1,2,3-Trichloropropane	ND	20.1	17	82		14	81		68-130	16		30
2-Hexanone	ND	20.1	22	110		20	113		70-130	12		30
Bromochloromethane	ND	20.1	17	84		15	85		70-130	14		30
2,2-Dichloropropane	ND	20.1	18	88		15	84		70-130	20		30
1,2-Dibromoethane	ND	20.1	17	85		15	84		70-130	16		30
1,3-Dichloropropane	ND	20.1	17	84		15	84		69-130	15		30
1,1,1,2-Tetrachloroethane	ND	20.1	18	88		15	84		70-130	20		30
Bromobenzene	ND	20.1	17	86		15	84		70-130	18		30
n-Butylbenzene	ND	20.1	16	80		14	79		70-130	16		30
sec-Butylbenzene	ND	20.1	18	87		15	85		70-130	17		30
tert-Butylbenzene	ND	20.1	18	90		15	88		70-130	16		30
o-Chlorotoluene	ND	20.1	18	88		15	86		70-130	16		30
p-Chlorotoluene	ND	20.1	17	82		14	81		70-130	16		30
1,2-Dibromo-3-chloropropane	ND	20.1	16	78		11	**62**	Q	68-130	**38**	Q	30
Hexachlorobutadiene	ND	20.1	15	76		12	68		67-130	25		30
Isopropylbenzene	ND	20.1	18	90		16	89		70-130	16		30
p-Isopropyltoluene	ND	20.1	17	84		15	83		70-130	16		30
Naphthalene	ND	20.1	16	77		13	74		70-130	18		30
Acrylonitrile	ND	20.1	15	74		13	74		70-130	14		30
n-Propylbenzene	ND	20.1	17	85		15	85		70-130	15		30

Matrix Spike Analysis
Batch Quality Control

Project Name: PHG1301
Project Number: PHG1301

Lab Number: L1316532
Report Date: 09/03/13

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): 02 QC Batch ID: WG633263-4 WG633263-5 QC Sample: L1316535-14 Client ID: MS Sample												
1,2,3-Trichlorobenzene	ND	20.1	15	76		12	71		70-130	20		30
1,2,4-Trichlorobenzene	ND	20.1	15	74		12	70		70-130	20		30
1,3,5-Trimethylbenzene	ND	20.1	17	86		15	86		70-130	15		30
1,2,4-Trimethylbenzene	ND	20.1	17	85		15	85		70-130	15		30
1,4-Dioxane	ND	1010	1000	102		920	105		65-136	11		30
1,4-Diethylbenzene	ND	20.1	16	81		14	80		70-130	15		30
4-Ethyltoluene	ND	20.1	17	85		15	85		70-130	14		30
1,2,4,5-Tetramethylbenzene	ND	20.1	16	78		14	78		70-130	15		30
Ethyl ether	ND	20.1	14	70		13	72		67-130	13		30
trans-1,4-Dichloro-2-butene	ND	20.1	15	74		13	72		70-130	17		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		97		70-130
4-Bromofluorobenzene	98		99		70-130
Dibromofluoromethane	99		84		70-130
Toluene-d8	105		105		70-130

SEMIVOLATILES

Project Name: PHG1301 **Lab Number:** L1316532

Project Number: PHG1301 **Report Date:** 09/03/13

SAMPLE RESULTS

Lab ID:	L1316532-01 D	Date Collected:	08/22/13 12:05
Client ID:	SB001 (3-5')	Date Received:	08/23/13
Sample Location:	325 E. 25TH ST, NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	08/27/13 01:17
Analytical Date:	09/01/13 16:33		
Analyst:	PS		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	1600	400	10
1,2,4-Trichlorobenzene	ND		ug/kg	1900	640	10
Hexachlorobenzene	ND		ug/kg	1200	360	10
Bis(2-chloroethyl)ether	ND		ug/kg	1700	540	10
2-Chloronaphthalene	ND		ug/kg	1900	630	10
1,2-Dichlorobenzene	ND		ug/kg	1900	640	10
1,3-Dichlorobenzene	ND		ug/kg	1900	610	10
1,4-Dichlorobenzene	ND		ug/kg	1900	590	10
3,3'-Dichlorobenzidine	ND		ug/kg	1900	520	10
2,4-Dinitrotoluene	ND		ug/kg	1900	420	10
2,6-Dinitrotoluene	ND		ug/kg	1900	500	10
Fluoranthene	3100		ug/kg	1200	360	10
4-Chlorophenyl phenyl ether	ND		ug/kg	1900	590	10
4-Bromophenyl phenyl ether	ND		ug/kg	1900	450	10
Bis(2-chloroisopropyl)ether	ND		ug/kg	2300	680	10
Bis(2-chloroethoxy)methane	ND		ug/kg	2100	590	10
Hexachlorobutadiene	ND		ug/kg	1900	550	10
Hexachlorocyclopentadiene	ND		ug/kg	5600	1200	10
Hexachloroethane	ND		ug/kg	1600	350	10
Isophorone	ND		ug/kg	1700	520	10
Naphthalene	ND		ug/kg	1900	640	10
Nitrobenzene	ND		ug/kg	1700	460	10
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	1600	410	10
n-Nitrosodi-n-propylamine	ND		ug/kg	1900	580	10
Bis(2-Ethylhexyl)phthalate	660	J	ug/kg	1900	510	10
Butyl benzyl phthalate	ND		ug/kg	1900	380	10
Di-n-butylphthalate	ND		ug/kg	1900	370	10
Di-n-octylphthalate	ND		ug/kg	1900	480	10
Diethyl phthalate	ND		ug/kg	1900	410	10
Dimethyl phthalate	ND		ug/kg	1900	490	10
Benzo(a)anthracene	1400		ug/kg	1200	380	10

Project Name: PHG1301 **Lab Number:** L1316532

Project Number: PHG1301 **Report Date:** 09/03/13

SAMPLE RESULTS

Lab ID: L1316532-01 D
Client ID: SB001 (3-5')
Sample Location: 325 E. 25TH ST, NY, NY

Date Collected: 08/22/13 12:05
Date Received: 08/23/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	1300	J	ug/kg	1600	470	10
Benzo(b)fluoranthene	1400		ug/kg	1200	390	10
Benzo(k)fluoranthene	860	J	ug/kg	1200	370	10
Chrysene	1600		ug/kg	1200	380	10
Acenaphthylene	ND		ug/kg	1600	360	10
Anthracene	520	J	ug/kg	1200	320	10
Benzo(ghi)perylene	830	J	ug/kg	1600	400	10
Fluorene	ND		ug/kg	1900	560	10
Phenanthrene	2200		ug/kg	1200	380	10
Dibenzo(a,h)anthracene	ND		ug/kg	1200	380	10
Indeno(1,2,3-cd)Pyrene	820	J	ug/kg	1600	430	10
Pyrene	2700		ug/kg	1200	380	10
Biphenyl	ND		ug/kg	4400	640	10
4-Chloroaniline	ND		ug/kg	1900	510	10
2-Nitroaniline	ND		ug/kg	1900	550	10
3-Nitroaniline	ND		ug/kg	1900	540	10
4-Nitroaniline	ND		ug/kg	1900	520	10
Dibenzofuran	ND		ug/kg	1900	650	10
2-Methylnaphthalene	ND		ug/kg	2300	620	10
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1900	600	10
Acetophenone	ND		ug/kg	1900	600	10
2,4,6-Trichlorophenol	ND		ug/kg	1200	360	10
P-Chloro-M-Cresol	ND		ug/kg	1900	560	10
2-Chlorophenol	ND		ug/kg	1900	580	10
2,4-Dichlorophenol	ND		ug/kg	1700	630	10
2,4-Dimethylphenol	ND		ug/kg	1900	580	10
2-Nitrophenol	ND		ug/kg	4200	600	10
4-Nitrophenol	ND		ug/kg	2700	630	10
2,4-Dinitrophenol	ND		ug/kg	9300	2600	10
4,6-Dinitro-o-cresol	ND		ug/kg	5000	710	10
Pentachlorophenol	ND		ug/kg	1600	420	10
Phenol	ND		ug/kg	1900	570	10
2-Methylphenol	ND		ug/kg	1900	620	10
3-Methylphenol/4-Methylphenol	ND		ug/kg	2800	640	10
2,4,5-Trichlorophenol	ND		ug/kg	1900	630	10
Benzoic Acid	ND		ug/kg	6300	2000	10
Benzyl Alcohol	ND		ug/kg	1900	600	10
Carbazole	ND		ug/kg	1900	420	10

Project Name: PHG1301 **Lab Number:** L1316532

Project Number: PHG1301 **Report Date:** 09/03/13

SAMPLE RESULTS

Lab ID: L1316532-01 D
Client ID: SB001 (3-5')
Sample Location: 325 E. 25TH ST, NY, NY

Date Collected: 08/22/13 12:05
Date Received: 08/23/13
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	65		25-120
Phenol-d6	67		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	64		30-120
2,4,6-Tribromophenol	68		0-136
4-Terphenyl-d14	57		18-120

Project Name: PHG1301 **Lab Number:** L1316532

Project Number: PHG1301 **Report Date:** 09/03/13

SAMPLE RESULTS

Lab ID:	L1316532-02 D	Date Collected:	08/22/13 13:55
Client ID:	SB002 (2-4')	Date Received:	08/23/13
Sample Location:	325 E. 25TH ST, NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	08/27/13 01:17
Analytical Date:	09/01/13 17:01		
Analyst:	PS		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	1500	380	10
1,2,4-Trichlorobenzene	ND		ug/kg	1800	610	10
Hexachlorobenzene	ND		ug/kg	1100	350	10
Bis(2-chloroethyl)ether	ND		ug/kg	1700	520	10
2-Chloronaphthalene	ND		ug/kg	1800	600	10
1,2-Dichlorobenzene	ND		ug/kg	1800	610	10
1,3-Dichlorobenzene	ND		ug/kg	1800	580	10
1,4-Dichlorobenzene	ND		ug/kg	1800	560	10
3,3'-Dichlorobenzidine	ND		ug/kg	1800	490	10
2,4-Dinitrotoluene	ND		ug/kg	1800	400	10
2,6-Dinitrotoluene	ND		ug/kg	1800	480	10
Fluoranthene	22000		ug/kg	1100	340	10
4-Chlorophenyl phenyl ether	ND		ug/kg	1800	560	10
4-Bromophenyl phenyl ether	ND		ug/kg	1800	430	10
Bis(2-chloroisopropyl)ether	ND		ug/kg	2200	650	10
Bis(2-chloroethoxy)methane	ND		ug/kg	2000	560	10
Hexachlorobutadiene	ND		ug/kg	1800	520	10
Hexachlorocyclopentadiene	ND		ug/kg	5300	1200	10
Hexachloroethane	ND		ug/kg	1500	340	10
Isophorone	ND		ug/kg	1700	490	10
Naphthalene	ND		ug/kg	1800	620	10
Nitrobenzene	ND		ug/kg	1700	440	10
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	1500	390	10
n-Nitrosodi-n-propylamine	ND		ug/kg	1800	550	10
Bis(2-Ethylhexyl)phthalate	540	J	ug/kg	1800	490	10
Butyl benzyl phthalate	ND		ug/kg	1800	360	10
Di-n-butylphthalate	ND		ug/kg	1800	360	10
Di-n-octylphthalate	ND		ug/kg	1800	460	10
Diethyl phthalate	ND		ug/kg	1800	390	10
Dimethyl phthalate	ND		ug/kg	1800	470	10
Benzo(a)anthracene	12000		ug/kg	1100	360	10

Project Name: PHG1301 **Lab Number:** L1316532

Project Number: PHG1301 **Report Date:** 09/03/13

SAMPLE RESULTS

Lab ID: L1316532-02 D Date Collected: 08/22/13 13:55

Client ID: SB002 (2-4') Date Received: 08/23/13

Sample Location: 325 E. 25TH ST, NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	11000		ug/kg	1500	450	10
Benzo(b)fluoranthene	14000		ug/kg	1100	380	10
Benzo(k)fluoranthene	6200		ug/kg	1100	350	10
Chrysene	13000		ug/kg	1100	360	10
Acenaphthylene	2600		ug/kg	1500	350	10
Anthracene	2200		ug/kg	1100	310	10
Benzo(ghi)perylene	6700		ug/kg	1500	390	10
Fluorene	ND		ug/kg	1800	530	10
Phenanthrene	12000		ug/kg	1100	360	10
Dibenzo(a,h)anthracene	1900		ug/kg	1100	360	10
Indeno(1,2,3-cd)Pyrene	6900		ug/kg	1500	410	10
Pyrene	21000		ug/kg	1100	360	10
Biphenyl	ND		ug/kg	4200	610	10
4-Chloroaniline	ND		ug/kg	1800	490	10
2-Nitroaniline	ND		ug/kg	1800	520	10
3-Nitroaniline	ND		ug/kg	1800	510	10
4-Nitroaniline	ND		ug/kg	1800	500	10
Dibenzofuran	ND		ug/kg	1800	620	10
2-Methylnaphthalene	ND		ug/kg	2200	590	10
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1800	580	10
Acetophenone	ND		ug/kg	1800	580	10
2,4,6-Trichlorophenol	ND		ug/kg	1100	350	10
P-Chloro-M-Cresol	ND		ug/kg	1800	540	10
2-Chlorophenol	ND		ug/kg	1800	560	10
2,4-Dichlorophenol	ND		ug/kg	1700	600	10
2,4-Dimethylphenol	ND		ug/kg	1800	550	10
2-Nitrophenol	ND		ug/kg	4000	580	10
4-Nitrophenol	ND		ug/kg	2600	600	10
2,4-Dinitrophenol	ND		ug/kg	8900	2500	10
4,6-Dinitro-o-cresol	ND		ug/kg	4800	680	10
Pentachlorophenol	ND		ug/kg	1500	400	10
Phenol	ND		ug/kg	1800	550	10
2-Methylphenol	ND		ug/kg	1800	600	10
3-Methylphenol/4-Methylphenol	ND		ug/kg	2700	610	10
2,4,5-Trichlorophenol	ND		ug/kg	1800	600	10
Benzoic Acid	ND		ug/kg	6000	1900	10
Benzyl Alcohol	ND		ug/kg	1800	570	10
Carbazole	740	J	ug/kg	1800	400	10

Project Name: PHG1301 **Lab Number:** L1316532

Project Number: PHG1301 **Report Date:** 09/03/13

SAMPLE RESULTS

Lab ID: L1316532-02 D
Client ID: SB002 (2-4')
Sample Location: 325 E. 25TH ST, NY, NY

Date Collected: 08/22/13 13:55
Date Received: 08/23/13
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	79		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	58		30-120
2,4,6-Tribromophenol	78		0-136
4-Terphenyl-d14	50		18-120

Project Name: PHG1301 **Lab Number:** L1316532

Project Number: PHG1301 **Report Date:** 09/03/13

SAMPLE RESULTS

Lab ID:	L1316532-03 D	Date Collected:	08/22/13 11:28
Client ID:	SB003 (3-5')	Date Received:	08/23/13
Sample Location:	325 E. 25TH ST, NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	08/27/13 01:17
Analytical Date:	09/01/13 17:28		
Analyst:	PS		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1300	J	ug/kg	1400	370	10
1,2,4-Trichlorobenzene	ND		ug/kg	1800	590	10
Hexachlorobenzene	ND		ug/kg	1100	340	10
Bis(2-chloroethyl)ether	ND		ug/kg	1600	500	10
2-Chloronaphthalene	ND		ug/kg	1800	590	10
1,2-Dichlorobenzene	ND		ug/kg	1800	590	10
1,3-Dichlorobenzene	ND		ug/kg	1800	570	10
1,4-Dichlorobenzene	ND		ug/kg	1800	550	10
3,3'-Dichlorobenzidine	ND		ug/kg	1800	480	10
2,4-Dinitrotoluene	ND		ug/kg	1800	390	10
2,6-Dinitrotoluene	ND		ug/kg	1800	460	10
Fluoranthene	20000		ug/kg	1100	330	10
4-Chlorophenyl phenyl ether	ND		ug/kg	1800	550	10
4-Bromophenyl phenyl ether	ND		ug/kg	1800	410	10
Bis(2-chloroisopropyl)ether	ND		ug/kg	2200	630	10
Bis(2-chloroethoxy)methane	ND		ug/kg	1900	550	10
Hexachlorobutadiene	ND		ug/kg	1800	510	10
Hexachlorocyclopentadiene	ND		ug/kg	5200	1200	10
Hexachloroethane	ND		ug/kg	1400	330	10
Isophorone	ND		ug/kg	1600	480	10
Naphthalene	1200	J	ug/kg	1800	600	10
Nitrobenzene	ND		ug/kg	1600	430	10
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	1400	380	10
n-Nitrosodi-n-propylamine	ND		ug/kg	1800	540	10
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	1800	470	10
Butyl benzyl phthalate	ND		ug/kg	1800	350	10
Di-n-butylphthalate	ND		ug/kg	1800	350	10
Di-n-octylphthalate	ND		ug/kg	1800	440	10
Diethyl phthalate	ND		ug/kg	1800	380	10
Dimethyl phthalate	ND		ug/kg	1800	460	10
Benzo(a)anthracene	8200		ug/kg	1100	350	10

Project Name: PHG1301 **Lab Number:** L1316532

Project Number: PHG1301 **Report Date:** 09/03/13

SAMPLE RESULTS

Lab ID: L1316532-03 D
Client ID: SB003 (3-5')
Sample Location: 325 E. 25TH ST, NY, NY

Date Collected: 08/22/13 11:28
Date Received: 08/23/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	7300		ug/kg	1400	440	10
Benzo(b)fluoranthene	8800		ug/kg	1100	360	10
Benzo(k)fluoranthene	4300		ug/kg	1100	340	10
Chrysene	8600		ug/kg	1100	350	10
Acenaphthylene	790	J	ug/kg	1400	340	10
Anthracene	3600		ug/kg	1100	300	10
Benzo(ghi)perylene	4300		ug/kg	1400	380	10
Fluorene	1200	J	ug/kg	1800	520	10
Phenanthrene	16000		ug/kg	1100	350	10
Dibenzo(a,h)anthracene	1000	J	ug/kg	1100	350	10
Indeno(1,2,3-cd)Pyrene	4300		ug/kg	1400	400	10
Pyrene	17000		ug/kg	1100	350	10
Biphenyl	ND		ug/kg	4100	590	10
4-Chloroaniline	ND		ug/kg	1800	480	10
2-Nitroaniline	ND		ug/kg	1800	510	10
3-Nitroaniline	ND		ug/kg	1800	500	10
4-Nitroaniline	ND		ug/kg	1800	490	10
Dibenzofuran	1000	J	ug/kg	1800	600	10
2-Methylnaphthalene	ND		ug/kg	2200	580	10
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1800	560	10
Acetophenone	ND		ug/kg	1800	560	10
2,4,6-Trichlorophenol	ND		ug/kg	1100	340	10
P-Chloro-M-Cresol	ND		ug/kg	1800	520	10
2-Chlorophenol	ND		ug/kg	1800	540	10
2,4-Dichlorophenol	ND		ug/kg	1600	580	10
2,4-Dimethylphenol	ND		ug/kg	1800	540	10
2-Nitrophenol	ND		ug/kg	3900	560	10
4-Nitrophenol	ND		ug/kg	2500	580	10
2,4-Dinitrophenol	ND		ug/kg	8600	2500	10
4,6-Dinitro-o-cresol	ND		ug/kg	4700	660	10
Pentachlorophenol	ND		ug/kg	1400	380	10
Phenol	ND		ug/kg	1800	530	10
2-Methylphenol	ND		ug/kg	1800	580	10
3-Methylphenol/4-Methylphenol	ND		ug/kg	2600	590	10
2,4,5-Trichlorophenol	ND		ug/kg	1800	580	10
Benzoic Acid	ND		ug/kg	5800	1800	10
Benzyl Alcohol	ND		ug/kg	1800	560	10
Carbazole	1600	J	ug/kg	1800	390	10

Project Name: PHG1301 **Lab Number:** L1316532

Project Number: PHG1301 **Report Date:** 09/03/13

SAMPLE RESULTS

Lab ID: L1316532-03 D
Client ID: SB003 (3-5')
Sample Location: 325 E. 25TH ST, NY, NY

Date Collected: 08/22/13 11:28
Date Received: 08/23/13
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	67		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	87		0-136
4-Terphenyl-d14	76		18-120

Project Name: PHG1301 **Lab Number:** L1316532

Project Number: PHG1301 **Report Date:** 09/03/13

SAMPLE RESULTS

Lab ID:	L1316532-04	Date Collected:	08/23/13 14:15
Client ID:	MW	Date Received:	08/23/13
Sample Location:	325 E. 25TH ST, NY, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	08/27/13 09:58
Analytical Date:	09/01/13 17:30		
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	0.67	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.55	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.85	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.45	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.46	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.61	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.67	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.50	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.40	1
Hexachlorocyclopentadiene	ND		ug/l	20	2.1	1
Isophorone	ND		ug/l	5.0	0.35	1
Nitrobenzene	ND		ug/l	2.0	0.50	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.70	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.39	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	0.46	1
Di-n-butylphthalate	ND		ug/l	5.0	0.54	1
Di-n-octylphthalate	ND		ug/l	5.0	0.53	1
Diethyl phthalate	ND		ug/l	5.0	0.45	1
Dimethyl phthalate	ND		ug/l	5.0	0.45	1
Biphenyl	ND		ug/l	2.0	0.50	1
4-Chloroaniline	ND		ug/l	5.0	0.83	1
2-Nitroaniline	ND		ug/l	5.0	0.40	1
3-Nitroaniline	ND		ug/l	5.0	0.59	1
4-Nitroaniline	ND		ug/l	5.0	0.55	1
Dibenzofuran	ND		ug/l	2.0	0.47	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.65	1
Acetophenone	ND		ug/l	5.0	0.55	1

Project Name: PHG1301 **Lab Number:** L1316532

Project Number: PHG1301 **Report Date:** 09/03/13

SAMPLE RESULTS

Lab ID: L1316532-04 Date Collected: 08/23/13 14:15

Client ID: MW Date Received: 08/23/13

Sample Location: 325 E. 25TH ST, NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.45	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.50	1
2-Chlorophenol	ND		ug/l	2.0	0.34	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.43	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.2	1
2-Nitrophenol	ND		ug/l	10	0.48	1
4-Nitrophenol	ND		ug/l	10	1.2	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	0.59	1
Phenol	ND		ug/l	5.0	0.26	1
2-Methylphenol	ND		ug/l	5.0	0.53	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.47	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.45	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.47	1
Carbazole	ND		ug/l	2.0	0.53	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	40		21-120
Phenol-d6	26		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	66		15-120
2,4,6-Tribromophenol	69		10-120
4-Terphenyl-d14	87		41-149

Project Name: PHG1301 **Lab Number:** L1316532

Project Number: PHG1301 **Report Date:** 09/03/13

SAMPLE RESULTS

Lab ID:	L1316532-04	Date Collected:	08/23/13 14:15
Client ID:	MW	Date Received:	08/23/13
Sample Location:	325 E. 25TH ST, NY, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	08/27/13 09:33
Analytical Date:	08/27/13 22:00		
Analyst:	HL		

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	0.09	J	ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	0.20		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	0.28		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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	40		21-120
Phenol-d6	26		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	68		15-120
2,4,6-Tribromophenol	66		10-120
4-Terphenyl-d14	90		41-149

Project Name: PHG1301 **Lab Number:** L1316532

Project Number: PHG1301 **Report Date:** 09/03/13

SAMPLE RESULTS

Lab ID:	L1316532-05	Date Collected:	08/23/13 12:25
Client ID:	FIELD BLANK	Date Received:	08/23/13
Sample Location:	325 E. 25TH ST, NY, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	08/27/13 09:58
Analytical Date:	09/01/13 17:56		
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	0.67	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.55	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.85	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.45	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.46	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.61	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.67	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.50	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.40	1
Hexachlorocyclopentadiene	ND		ug/l	20	2.1	1
Isophorone	ND		ug/l	5.0	0.35	1
Nitrobenzene	ND		ug/l	2.0	0.50	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.70	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.39	1
Bis(2-Ethylhexyl)phthalate	2.2	J	ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	0.46	1
Di-n-butylphthalate	ND		ug/l	5.0	0.54	1
Di-n-octylphthalate	ND		ug/l	5.0	0.53	1
Diethyl phthalate	ND		ug/l	5.0	0.45	1
Dimethyl phthalate	ND		ug/l	5.0	0.45	1
Biphenyl	ND		ug/l	2.0	0.50	1
4-Chloroaniline	ND		ug/l	5.0	0.83	1
2-Nitroaniline	ND		ug/l	5.0	0.40	1
3-Nitroaniline	ND		ug/l	5.0	0.59	1
4-Nitroaniline	ND		ug/l	5.0	0.55	1
Dibenzofuran	ND		ug/l	2.0	0.47	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.65	1
Acetophenone	ND		ug/l	5.0	0.55	1

Project Name: PHG1301 **Lab Number:** L1316532

Project Number: PHG1301 **Report Date:** 09/03/13

SAMPLE RESULTS

Lab ID: L1316532-05 Date Collected: 08/23/13 12:25

Client ID: FIELD BLANK Date Received: 08/23/13

Sample Location: 325 E. 25TH ST, NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.45	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.50	1
2-Chlorophenol	ND		ug/l	2.0	0.34	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.43	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.2	1
2-Nitrophenol	ND		ug/l	10	0.48	1
4-Nitrophenol	ND		ug/l	10	1.2	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	0.59	1
Phenol	ND		ug/l	5.0	0.26	1
2-Methylphenol	ND		ug/l	5.0	0.53	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.47	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.45	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.47	1
Carbazole	ND		ug/l	2.0	0.53	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		21-120
Phenol-d6	34		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	65		10-120
4-Terphenyl-d14	79		41-149

Project Name: PHG1301 **Lab Number:** L1316532

Project Number: PHG1301 **Report Date:** 09/03/13

SAMPLE RESULTS

Lab ID:	L1316532-05	Date Collected:	08/23/13 12:25
Client ID:	FIELD BLANK	Date Received:	08/23/13
Sample Location:	325 E. 25TH ST, NY, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	08/27/13 09:33
Analytical Date:	08/27/13 22:30		
Analyst:	HL		

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	ND		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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		21-120
Phenol-d6	32		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	69		15-120
2,4,6-Tribromophenol	81		10-120
4-Terphenyl-d14	85		41-149

Project Name: PHG1301 **Lab Number:** L1316532

Project Number: PHG1301 **Report Date:** 09/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 08/27/13 20:30
Analyst: HL

Extraction Method: EPA 3510C
Extraction Date: 08/27/13 09:33

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 04-05 Batch: WG631691-1					
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: PHG1301 **Lab Number:** L1316532

Project Number: PHG1301 **Report Date:** 09/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 08/27/13 20:30
Analyst: HL

Extraction Method: EPA 3510C
Extraction Date: 08/27/13 09:33

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 04-05 Batch: WG631691-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	44		21-120
Phenol-d6	30		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	67		15-120
2,4,6-Tribromophenol	75		10-120
4-Terphenyl-d14	76		41-149

Project Name: PHG1301 **Lab Number:** L1316532

Project Number: PHG1301 **Report Date:** 09/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/01/13 12:22
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 08/27/13 01:17

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG631698-1					
Acenaphthene	ND		ug/kg	130	34.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	100	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	100	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	47.
Hexachlorocyclopentadiene	ND		ug/kg	480	110
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	35.
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	41.
Diethyl phthalate	ND		ug/kg	160	35.
Dimethyl phthalate	ND		ug/kg	160	42.
Benzo(a)anthracene	ND		ug/kg	100	32.

Project Name: PHG1301 **Lab Number:** L1316532

Project Number: PHG1301 **Report Date:** 09/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/01/13 12:22
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 08/27/13 01:17

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG631698-1					
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	100	34.
Benzo(k)fluoranthene	ND		ug/kg	100	32.
Chrysene	ND		ug/kg	100	32.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	100	28.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	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.
4-Chloroaniline	ND		ug/kg	160	44.
2-Nitroaniline	ND		ug/kg	160	47.
3-Nitroaniline	ND		ug/kg	160	46.
4-Nitroaniline	ND		ug/kg	160	45.
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	100	31.
P-Chloro-M-Cresol	ND		ug/kg	160	48.
2-Chlorophenol	ND		ug/kg	160	50.
2,4-Dichlorophenol	ND		ug/kg	150	54.
2,4-Dimethylphenol	ND		ug/kg	160	49.
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.

Project Name: PHG1301 **Lab Number:** L1316532

Project Number: PHG1301 **Report Date:** 09/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/01/13 12:22
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 08/27/13 01:17

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG631698-1					
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	54.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	160	51.
Carbazole	ND		ug/kg	160	36.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	67		10-120
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	63		30-120
2,4,6-Tribromophenol	64		0-136
4-Terphenyl-d14	70		18-120

Project Name: PHG1301 **Lab Number:** L1316532

Project Number: PHG1301 **Report Date:** 09/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/01/13 13:15
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 08/27/13 09:58

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04-05 Batch: WG631808-1					
Acenaphthene	ND		ug/l	2.0	0.55
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.67
Hexachlorobenzene	ND		ug/l	2.0	0.65
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39
2-Chloronaphthalene	ND		ug/l	2.0	0.47
1,2-Dichlorobenzene	ND		ug/l	2.0	0.55
1,3-Dichlorobenzene	ND		ug/l	2.0	0.55
1,4-Dichlorobenzene	ND		ug/l	2.0	0.55
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.85
2,4-Dinitrotoluene	ND		ug/l	5.0	0.45
2,6-Dinitrotoluene	ND		ug/l	5.0	0.46
Fluoranthene	ND		ug/l	2.0	0.51
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.61
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.67
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.50
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.40
Hexachlorobutadiene	ND		ug/l	2.0	0.81
Hexachlorocyclopentadiene	ND		ug/l	20	2.1
Hexachloroethane	ND		ug/l	2.0	0.66
Isophorone	ND		ug/l	5.0	0.35
Naphthalene	ND		ug/l	2.0	0.72
Nitrobenzene	ND		ug/l	2.0	0.50
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.70
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.39
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	1.4
Butyl benzyl phthalate	ND		ug/l	5.0	0.46
Di-n-butylphthalate	ND		ug/l	5.0	0.54
Di-n-octylphthalate	ND		ug/l	5.0	0.53
Diethyl phthalate	ND		ug/l	5.0	0.45
Dimethyl phthalate	ND		ug/l	5.0	0.45
Benzo(a)anthracene	ND		ug/l	2.0	0.82

Project Name: PHG1301
Project Number: PHG1301

Lab Number: L1316532
Report Date: 09/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/01/13 13:15
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 08/27/13 09:58

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04-05 Batch: WG631808-1					
Benzo(a)pyrene	ND		ug/l	2.0	0.48
Benzo(b)fluoranthene	ND		ug/l	2.0	0.48
Benzo(k)fluoranthene	ND		ug/l	2.0	0.48
Chrysene	ND		ug/l	2.0	0.56
Acenaphthylene	ND		ug/l	2.0	0.50
Anthracene	ND		ug/l	2.0	0.47
Benzo(ghi)perylene	ND		ug/l	2.0	0.53
Fluorene	ND		ug/l	2.0	0.49
Phenanthrene	ND		ug/l	2.0	0.49
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.48
Indeno(1,2,3-cd)Pyrene	ND		ug/l	2.0	0.48
Pyrene	ND		ug/l	2.0	0.44
Biphenyl	ND		ug/l	2.0	0.50
4-Chloroaniline	ND		ug/l	5.0	0.83
2-Nitroaniline	ND		ug/l	5.0	0.40
3-Nitroaniline	ND		ug/l	5.0	0.59
4-Nitroaniline	ND		ug/l	5.0	0.55
Dibenzofuran	ND		ug/l	2.0	0.47
2-Methylnaphthalene	ND		ug/l	2.0	0.55
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.65
Acetophenone	ND		ug/l	5.0	0.55
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.45
P-Chloro-M-Cresol	ND		ug/l	2.0	0.50
2-Chlorophenol	ND		ug/l	2.0	0.34
2,4-Dichlorophenol	ND		ug/l	5.0	0.43
2,4-Dimethylphenol	ND		ug/l	5.0	1.2
2-Nitrophenol	ND		ug/l	10	0.48
4-Nitrophenol	ND		ug/l	10	1.2
2,4-Dinitrophenol	ND		ug/l	20	1.4
4,6-Dinitro-o-cresol	ND		ug/l	10	0.59
Pentachlorophenol	ND		ug/l	10	1.2

Project Name: PHG1301 **Lab Number:** L1316532

Project Number: PHG1301 **Report Date:** 09/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/01/13 13:15
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 08/27/13 09:58

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04-05 Batch: WG631808-1					
Phenol	ND		ug/l	5.0	0.26
2-Methylphenol	ND		ug/l	5.0	0.53
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.47
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.45
Benzoic Acid	ND		ug/l	50	1.0
Benzyl Alcohol	ND		ug/l	2.0	0.47
Carbazole	ND		ug/l	2.0	0.53

Tentatively Identified Compounds			
Unknown	17	J	ug/l
Unknown	4.9	J	ug/l
Unknown	6.2	J	ug/l
Unknown	37	J	ug/l

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	69		15-120
2,4,6-Tribromophenol	60		10-120
4-Terphenyl-d14	85		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: PHG1301

Project Number: PHG1301

Lab Number: L1316532

Report Date: 09/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 04-05 Batch: WG631691-2 WG631691-3								
Acenaphthene	76		73		37-111	4		40
2-Chloronaphthalene	76		72		40-140	5		40
Fluoranthene	98		91		40-140	7		40
Hexachlorobutadiene	56		56		40-140	0		40
Naphthalene	68		68		40-140	0		40
Benzo(a)anthracene	106		107		40-140	1		40
Benzo(a)pyrene	82		82		40-140	0		40
Benzo(b)fluoranthene	89		88		40-140	1		40
Benzo(k)fluoranthene	88		86		40-140	2		40
Chrysene	84		85		40-140	1		40
Acenaphthylene	76		74		40-140	3		40
Anthracene	70		71		40-140	1		40
Benzo(ghi)perylene	97		98		40-140	1		40
Fluorene	75		72		40-140	4		40
Phenanthrene	88		92		40-140	4		40
Dibenzo(a,h)anthracene	89		92		40-140	3		40
Indeno(1,2,3-cd)Pyrene	103		105		40-140	2		40
Pyrene	94		89		26-127	5		40
2-Methylnaphthalene	73		73		40-140	0		40
Pentachlorophenol	83		79		9-103	5		40
Hexachlorobenzene	84		84		40-140	0		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: PHG1301

Project Number: PHG1301

Lab Number: L1316532

Report Date: 09/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 04-05 Batch: WG631691-2 WG631691-3								
Hexachloroethane	58		59		40-140	2		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	47		43		21-120
Phenol-d6	34		31		10-120
Nitrobenzene-d5	74		69		23-120
2-Fluorobiphenyl	77		72		15-120
2,4,6-Tribromophenol	72		69		10-120
4-Terphenyl-d14	86		80		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: PHG1301

Project Number: PHG1301

Lab Number: L1316532

Report Date: 09/03/13

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: WG631698-2 WG631698-3								
Acenaphthene	84		86		31-137	2		50
1,2,4-Trichlorobenzene	79		84		38-107	6		50
Hexachlorobenzene	85		87		40-140	2		50
Bis(2-chloroethyl)ether	81		90		40-140	11		50
2-Chloronaphthalene	88		92		40-140	4		50
1,2-Dichlorobenzene	80		87		40-140	8		50
1,3-Dichlorobenzene	78		84		40-140	7		50
1,4-Dichlorobenzene	79		85		28-104	7		50
3,3'-Dichlorobenzidine	68		70		40-140	3		50
2,4-Dinitrotoluene	**90**	Q	**90**	Q	28-89	0		50
2,6-Dinitrotoluene	85		86		40-140	1		50
Fluoranthene	85		87		40-140	2		50
4-Chlorophenyl phenyl ether	88		89		40-140	1		50
4-Bromophenyl phenyl ether	90		89		40-140	1		50
Bis(2-chloroisopropyl)ether	84		90		40-140	7		50
Bis(2-chloroethoxy)methane	86		93		40-117	8		50
Hexachlorobutadiene	78		85		40-140	9		50
Hexachlorocyclopentadiene	70		78		40-140	11		50
Hexachloroethane	74		82		40-140	10		50
Isophorone	85		91		40-140	7		50
Naphthalene	80		85		40-140	6		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: PHG1301
Project Number: PHG1301

Lab Number: L1316532
Report Date: 09/03/13

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: WG631698-2 WG631698-3								
Nitrobenzene	80		88		40-140	10		50
NitrosoDiPhenylAmine(NDPA)/DPA	90		92			2		50
n-Nitrosodi-n-propylamine	84		90		32-121	7		50
Bis(2-Ethylhexyl)phthalate	88		89		40-140	1		50
Butyl benzyl phthalate	77		79		40-140	3		50
Di-n-butylphthalate	87		89		40-140	2		50
Di-n-octylphthalate	84		87		40-140	4		50
Diethyl phthalate	87		88		40-140	1		50
Dimethyl phthalate	91		91		40-140	0		50
Benzo(a)anthracene	88		89		40-140	1		50
Benzo(a)pyrene	90		90		40-140	0		50
Benzo(b)fluoranthene	83		91		40-140	9		50
Benzo(k)fluoranthene	98		92		40-140	6		50
Chrysene	87		90		40-140	3		50
Acenaphthylene	86		87		40-140	1		50
Anthracene	90		90		40-140	0		50
Benzo(ghi)perylene	84		82		40-140	2		50
Fluorene	87		89		40-140	2		50
Phenanthrene	89		89		40-140	0		50
Dibenzo(a,h)anthracene	88		87		40-140	1		50
Indeno(1,2,3-cd)Pyrene	80		78		40-140	3		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: PHG1301

Project Number: PHG1301

Lab Number: L1316532

Report Date: 09/03/13

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: WG631698-2 WG631698-3								
Pyrene	85		87		35-142	2		50
Biphenyl	84		84			0		50
4-Chloroaniline	78		84		40-140	7		50
2-Nitroaniline	92		91		47-134	1		50
3-Nitroaniline	50		50		26-129	0		50
4-Nitroaniline	82		84		41-125	2		50
Dibenzofuran	90		91		40-140	1		50
2-Methylnaphthalene	82		86		40-140	5		50
1,2,4,5-Tetrachlorobenzene	86		91		40-117	6		50
Acetophenone	90		96		14-144	6		50
2,4,6-Trichlorophenol	97		99		30-130	2		50
P-Chloro-M-Cresol	95		98		26-103	3		50
2-Chlorophenol	90		96		25-102	6		50
2,4-Dichlorophenol	88		92		30-130	4		50
2,4-Dimethylphenol	95		100		30-130	5		50
2-Nitrophenol	91		96		30-130	5		50
4-Nitrophenol	81		85		11-114	5		50
2,4-Dinitrophenol	76		80		4-130	5		50
4,6-Dinitro-o-cresol	85		83		10-130	2		50
Pentachlorophenol	82		84		17-109	2		50
Phenol	**93**	Q	**98**	Q	26-90	5		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: PHG1301
Project Number: PHG1301

Lab Number: L1316532
Report Date: 09/03/13

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: WG631698-2 WG631698-3								
2-Methylphenol	95		100		30-130.	5		50
3-Methylphenol/4-Methylphenol	98		106		30-130	8		50
2,4,5-Trichlorophenol	96		96		30-130	0		50
Benzoic Acid	50		58			15		50
Benzyl Alcohol	91		100		40-140	9		50
Carbazole	91		90		54-128	1		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	86		99		25-120
Phenol-d6	86		95		10-120
Nitrobenzene-d5	80		84		23-120
2-Fluorobiphenyl	80		83		30-120
2,4,6-Tribromophenol	93		91		0-136
4-Terphenyl-d14	80		80		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: PHG1301

Project Number: PHG1301

Lab Number: L1316532

Report Date: 09/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG631808-2 WG631808-3								
Acenaphthene	62		75		37-111	19		30
1,2,4-Trichlorobenzene	43		52		39-98	19		30
Hexachlorobenzene	78		94		40-140	19		30
Bis(2-chloroethyl)ether	62		80		40-140	25		30
2-Chloronaphthalene	55		69		40-140	23		30
1,2-Dichlorobenzene	43		53		40-140	21		30
1,3-Dichlorobenzene	40		49		40-140	20		30
1,4-Dichlorobenzene	41		52		36-97	24		30
3,3'-Dichlorobenzidine	80		102		40-140	24		30
2,4-Dinitrotoluene	91		**112**	Q	24-96	21		30
2,6-Dinitrotoluene	86		110		40-140	24		30
Fluoranthene	83		102		40-140	21		30
4-Chlorophenyl phenyl ether	70		86		40-140	21		30
4-Bromophenyl phenyl ether	77		96		40-140	22		30
Bis(2-chloroisopropyl)ether	64		79		40-140	21		30
Bis(2-chloroethoxy)methane	69		88		40-140	24		30
Hexachlorobutadiene	40		48		40-140	18		30
Hexachlorocyclopentadiene	**14**	Q	**18**	Q	40-140	25		30
Hexachloroethane	**39**	Q	47		40-140	19		30
Isophorone	73		93		40-140	24		30
Naphthalene	50		61		40-140	20		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: PHG1301

Project Number: PHG1301

Lab Number: L1316532

Report Date: 09/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG631808-2 WG631808-3								
Nitrobenzene	66		81		40-140	20		30
NitrosoDiPhenylAmine(NDPA)/DPA	79		98		40-140	21		30
n-Nitrosodi-n-propylamine	72		93		29-132	25		30
Bis(2-Ethylhexyl)phthalate	101		124		40-140	20		30
Butyl benzyl phthalate	96		120		40-140	22		30
Di-n-butylphthalate	90		109		40-140	19		30
Di-n-octylphthalate	102		129		40-140	23		30
Diethyl phthalate	86		105		40-140	20		30
Dimethyl phthalate	82		103		40-140	23		30
Benzo(a)anthracene	84		103		40-140	20		30
Benzo(a)pyrene	83		99		40-140	18		30
Benzo(b)fluoranthene	81		97		40-140	18		30
Benzo(k)fluoranthene	83		100		40-140	19		30
Chrysene	80		99		40-140	21		30
Acenaphthylene	66		82		45-123	22		30
Anthracene	79		98		40-140	21		30
Benzo(ghi)perylene	80		96		40-140	18		30
Fluorene	74		89		40-140	18		30
Phenanthrene	76		93		40-140	20		30
Dibenzo(a,h)anthracene	84		102		40-140	19		30
Indeno(1,2,3-cd)Pyrene	77		93		40-140	19		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: PHG1301
Project Number: PHG1301

Lab Number: L1316532
Report Date: 09/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG631808-2 WG631808-3								
Pyrene	82		100		26-127	20		30
Biphenyl	55		68			21		30
4-Chloroaniline	57		80		40-140	**34**	Q	30
2-Nitroaniline	86		107		52-143	22		30
3-Nitroaniline	69		89		25-145	25		30
4-Nitroaniline	83		102		51-143	21		30
Dibenzofuran	67		82		40-140	20		30
2-Methylnaphthalene	51		64		40-140	23		30
1,2,4,5-Tetrachlorobenzene	47		57		2-134	19		30
Acetophenone	68		85		39-129	22		30
2,4,6-Trichlorophenol	75		96		30-130	25		30
P-Chloro-M-Cresol	84		**106**	Q	23-97	23		30
2-Chlorophenol	66		82		27-123	22		30
2,4-Dichlorophenol	70		90		30-130	25		30
2,4-Dimethylphenol	69		85		30-130	21		30
2-Nitrophenol	69		88		30-130	24		30
4-Nitrophenol	43		55		10-80	24		30
2,4-Dinitrophenol	48		68		20-130	**34**	Q	30
4,6-Dinitro-o-cresol	83		108		20-164	26		30
Pentachlorophenol	55		76		9-103	**32**	Q	30
Phenol	36		45		12-110	22		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: PHG1301
Project Number: PHG1301

Lab Number: L1316532
Report Date: 09/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG631808-2 WG631808-3								
2-Methylphenol	60		75		30-130	22		30
3-Methylphenol/4-Methylphenol	61		78		30-130	24		30
2,4,5-Trichlorophenol	77		100		30-130	26		30
Benzoic Acid	0		0			NC		30
Benzyl Alcohol	64		82			25		30
Carbazole	83		102		55-144	21		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	44		56		21-120
Phenol-d6	34		43		10-120
Nitrobenzene-d5	67		85		23-120
2-Fluorobiphenyl	69		86		15-120
2,4,6-Tribromophenol	78		95		10-120
4-Terphenyl-d14	82		101		41-149

PCBS

Project Name: PHG1301 **Lab Number:** L1316532

Project Number: PHG1301 **Report Date:** 09/03/13

SAMPLE RESULTS

Lab ID:	L1316532-02	Date Collected:	08/22/13 13:55
Client ID:	SB002 (2-4')	Date Received:	08/23/13
Sample Location:	325 E. 25TH ST, NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	08/24/13 08:52
Analytical Date:	08/27/13 13:07	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	08/26/13
Percent Solids:	87%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	08/26/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.1	7.14	1	A
Aroclor 1221	ND		ug/kg	36.1	10.9	1	A
Aroclor 1232	ND		ug/kg	36.1	7.67	1	A
Aroclor 1242	ND		ug/kg	36.1	6.86	1	A
Aroclor 1248	ND		ug/kg	36.1	4.37	1	A
Aroclor 1254	ND		ug/kg	36.1	5.70	1	A
Aroclor 1260	ND		ug/kg	36.1	6.27	1	A
Aroclor 1262	ND		ug/kg	36.1	2.67	1	A
Aroclor 1268	ND		ug/kg	36.1	5.24	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	48		30-150	A
Decachlorobiphenyl	50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	47		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: PHG1301 **Lab Number:** L1316532

Project Number: PHG1301 **Report Date:** 09/03/13

SAMPLE RESULTS

Lab ID:	L1316532-04	Date Collected:	08/23/13 14:15
Client ID:	MW	Date Received:	08/23/13
Sample Location:	325 E. 25TH ST, NY, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	08/26/13 08:45
Analytical Date:	08/27/13 15:59	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	08/27/13
		Cleanup Method2:	EPA 3660B
		Cleanup Date2:	08/27/13

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: PHG1301 **Lab Number:** L1316532

Project Number: PHG1301 **Report Date:** 09/03/13

SAMPLE RESULTS

Lab ID:	L1316532-05	Date Collected:	08/23/13 12:25
Client ID:	FIELD BLANK	Date Received:	08/23/13
Sample Location:	325 E. 25TH ST, NY, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	08/26/13 08:45
Analytical Date:	08/28/13 13:27	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	08/27/13
		Cleanup Method2:	EPA 3660B
		Cleanup Date2:	08/27/13

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	46		30-150	A
Decachlorobiphenyl	38		30-150	A
2,4,5,6-Tetrachloro-m-xylene	46		30-150	B
Decachlorobiphenyl	34		30-150	B

Project Name: PHG1301 **Lab Number:** L1316532

Project Number: PHG1301 **Report Date:** 09/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/27/13 13:19
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 08/24/13 08:52
Cleanup Method1: EPA 3665A
Cleanup Date1: 08/26/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 08/26/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 02 Batch: WG631328-1						
Aroclor 1016	ND		ug/kg	31.5	6.23	A
Aroclor 1221	ND		ug/kg	31.5	9.52	A
Aroclor 1232	ND		ug/kg	31.5	6.70	A
Aroclor 1242	ND		ug/kg	31.5	5.99	A
Aroclor 1248	ND		ug/kg	31.5	3.82	A
Aroclor 1254	ND		ug/kg	31.5	4.97	A
Aroclor 1260	ND		ug/kg	31.5	5.48	A
Aroclor 1262	ND		ug/kg	31.5	2.33	A
Aroclor 1268	ND		ug/kg	31.5	4.58	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	81		30-150	B

Project Name: PHG1301 **Lab Number:** L1316532

Project Number: PHG1301 **Report Date:** 09/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/27/13 16:11
Analyst: KB

Extraction Method: EPA 3510C
Extraction Date: 08/26/13 08:45
Cleanup Method1: EPA 3665A
Cleanup Date1: 08/27/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 08/27/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 04-05 Batch: WG631459-1						
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

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	87		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: PHG1301

Project Number: PHG1301

Lab Number: L1316532

Report Date: 09/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 02 Batch: WG631328-2 WG631328-3									
Aroclor 1016	69		66		40-140	4		50	A
Aroclor 1260	52		54		40-140	4		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		64		30-150	A
Decachlorobiphenyl	58		59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		68		30-150	B
Decachlorobiphenyl	66		65		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: PHG1301

Project Number: PHG1301

Lab Number: L1316532

Report Date: 09/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 04-05 Batch: WG631459-2 WG631459-3									
Aroclor 1016	82		78		40-140	5		50	A
Aroclor 1260	79		77		40-140	2		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		53		30-150	A
Decachlorobiphenyl	73		77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		54		30-150	B
Decachlorobiphenyl	80		83		30-150	B

PESTICIDES

Project Name: PHG1301 **Lab Number:** L1316532

Project Number: PHG1301 **Report Date:** 09/03/13

SAMPLE RESULTS

Lab ID:	L1316532-02 D	Date Collected:	08/22/13 13:55
Client ID:	SB002 (2-4')	Date Received:	08/23/13
Sample Location:	325 E. 25TH ST, NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	08/27/13 05:39
Analytical Date:	08/28/13 13:13	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	08/27/13
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	35.1	6.87	20	A
Lindane	ND		ug/kg	14.6	6.53	20	A
Alpha-BHC	ND		ug/kg	14.6	4.15	20	A
Beta-BHC	ND		ug/kg	35.1	13.3	20	A
Heptachlor	ND		ug/kg	17.5	7.86	20	A
Aldrin	ND		ug/kg	35.1	12.4	20	A
Heptachlor epoxide	ND		ug/kg	65.8	19.7	20	A
Endrin	ND		ug/kg	14.6	5.99	20	A
Endrin ketone	ND		ug/kg	35.1	9.03	20	A
Dieldrin	ND		ug/kg	21.9	11.0	20	A
4,4'-DDE	26.4	J	ug/kg	35.1	8.11	20	A
4,4'-DDD	ND		ug/kg	35.1	12.5	20	A
4,4'-DDT	165		ug/kg	65.8	28.2	20	A
Endosulfan I	ND		ug/kg	35.1	8.29	20	A
Endosulfan II	ND		ug/kg	35.1	11.7	20	A
Endosulfan sulfate	ND		ug/kg	14.6	6.68	20	A
Methoxychlor	ND		ug/kg	65.8	20.5	20	A
Toxaphene	ND		ug/kg	658	184.	20	A
cis-Chlordane	30.1	J	ug/kg	43.8	12.2	20	B
trans-Chlordane	ND	PI	ug/kg	43.8	11.6	20	B
Chlordane	ND		ug/kg	285	116.	20	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: PHG1301 **Lab Number:** L1316532

Project Number: PHG1301 **Report Date:** 09/03/13

SAMPLE RESULTS

Lab ID:	L1316532-04	Date Collected:	08/23/13 14:15
Client ID:	MW	Date Received:	08/23/13
Sample Location:	325 E. 25TH ST, NY, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	08/26/13 14:25
Analytical Date:	08/28/13 09:42	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	08/27/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.010	0.002	1	A
Lindane	ND		ug/l	0.010	0.002	1	A
Alpha-BHC	ND		ug/l	0.010	0.002	1	A
Beta-BHC	ND		ug/l	0.010	0.003	1	A
Heptachlor	ND		ug/l	0.010	0.002	1	A
Aldrin	ND		ug/l	0.010	0.001	1	A
Heptachlor epoxide	ND		ug/l	0.010	0.002	1	A
Endrin	ND		ug/l	0.020	0.002	1	A
Endrin ketone	ND		ug/l	0.020	0.002	1	A
Dieldrin	ND		ug/l	0.020	0.002	1	A
4,4'-DDE	ND		ug/l	0.020	0.002	1	A
4,4'-DDD	ND		ug/l	0.020	0.002	1	A
4,4'-DDT	ND		ug/l	0.020	0.002	1	A
Endosulfan I	ND		ug/l	0.010	0.002	1	A
Endosulfan II	ND		ug/l	0.020	0.003	1	A
Endosulfan sulfate	ND		ug/l	0.020	0.002	1	A
Methoxychlor	ND		ug/l	0.100	0.003	1	A
Toxaphene	ND		ug/l	0.100	0.032	1	A
cis-Chlordane	ND		ug/l	0.010	0.003	1	A
trans-Chlordane	ND		ug/l	0.010	0.003	1	A
Chlordane	ND		ug/l	0.100	0.023	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	49		30-150	B
Decachlorobiphenyl	61		30-150	B

Project Name: PHG1301 **Lab Number:** L1316532

Project Number: PHG1301 **Report Date:** 09/03/13

SAMPLE RESULTS

Lab ID:	L1316532-05	Date Collected:	08/23/13 12:25
Client ID:	FIELD BLANK	Date Received:	08/23/13
Sample Location:	325 E. 25TH ST, NY, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	08/28/13 08:37
Analytical Date:	08/29/13 12:06	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	08/29/13

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	47		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	34		30-150	B
Decachlorobiphenyl	47		30-150	B

Project Name: PHG1301 **Lab Number:** L1316532

Project Number: PHG1301 **Report Date:** 09/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/30/13 08:21
Analyst: SH

Extraction Method: EPA 3510C
Extraction Date: 08/26/13 14:25
Cleanup Method1: EPA 3620B
Cleanup Date1: 08/27/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 04 Batch: WG631592-1						
Delta-BHC	ND		ug/l	0.010	0.002	A
Lindane	ND		ug/l	0.010	0.002	A
Alpha-BHC	ND		ug/l	0.010	0.002	A
Beta-BHC	ND		ug/l	0.010	0.003	A
Heptachlor	ND		ug/l	0.010	0.002	A
Aldrin	ND		ug/l	0.010	0.001	A
Heptachlor epoxide	ND		ug/l	0.010	0.002	A
Endrin	ND		ug/l	0.020	0.002	A
Endrin ketone	ND		ug/l	0.020	0.002	A
Dieldrin	ND		ug/l	0.020	0.002	A
4,4'-DDE	ND		ug/l	0.020	0.002	A
4,4'-DDD	ND		ug/l	0.020	0.002	A
4,4'-DDT	ND		ug/l	0.020	0.002	A
Endosulfan I	ND		ug/l	0.010	0.002	A
Endosulfan II	ND		ug/l	0.020	0.003	A
Endosulfan sulfate	ND		ug/l	0.020	0.002	A
Methoxychlor	ND		ug/l	0.100	0.003	A
Toxaphene	ND		ug/l	0.100	0.032	A
cis-Chlordane	ND		ug/l	0.010	0.003	A
trans-Chlordane	ND		ug/l	0.010	0.003	A
Chlordane	ND		ug/l	0.100	0.023	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	52		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	47		30-150	B
Decachlorobiphenyl	80		30-150	B

Project Name: PHG1301 **Lab Number:** L1316532

Project Number: PHG1301 **Report Date:** 09/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/28/13 10:52
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 08/27/13 05:39
Cleanup Method1: EPA 3620B
Cleanup Date1: 08/27/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 02 Batch: WG631727-1						
Delta-BHC	ND		ug/kg	1.59	0.312	A
Lindane	ND		ug/kg	0.663	0.296	A
Alpha-BHC	ND		ug/kg	0.663	0.188	A
Beta-BHC	ND		ug/kg	1.59	0.603	A
Heptachlor	ND		ug/kg	0.796	0.357	A
Aldrin	ND		ug/kg	1.59	0.560	A
Heptachlor epoxide	ND		ug/kg	2.98	0.895	A
Endrin	ND		ug/kg	0.663	0.272	A
Endrin ketone	ND		ug/kg	1.59	0.410	A
Dieldrin	ND		ug/kg	0.995	0.497	A
4,4'-DDE	ND		ug/kg	1.59	0.368	A
4,4'-DDD	ND		ug/kg	1.59	0.568	A
4,4'-DDT	ND		ug/kg	2.98	1.28	A
Endosulfan I	ND		ug/kg	1.59	0.376	A
Endosulfan II	ND		ug/kg	1.59	0.532	A
Endosulfan sulfate	ND		ug/kg	0.663	0.303	A
Methoxychlor	ND		ug/kg	2.98	0.928	A
Toxaphene	ND		ug/kg	29.8	8.36	A
cis-Chlordane	ND		ug/kg	1.99	0.554	A
trans-Chlordane	ND		ug/kg	1.99	0.525	A
Chlordane	ND		ug/kg	12.9	5.27	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	51		30-150	B
Decachlorobiphenyl	84		30-150	B

Project Name: PHG1301 **Lab Number:** L1316532

Project Number: PHG1301 **Report Date:** 09/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/29/13 11:28
Analyst: SH

Extraction Method: EPA 3510C
Extraction Date: 08/28/13 08:37
Cleanup Method1: EPA 3620B
Cleanup Date1: 08/29/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 05 Batch: WG632111-1						
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	**29**	Q	30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	**20**	Q	30-150	B
Decachlorobiphenyl	43		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: PHG1301

Project Number: PHG1301

Lab Number: L1316532

Report Date: 09/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 04 Batch: WG631592-2 WG631592-3									
Delta-BHC	73		66		30-150	11		20	A
Lindane	85		71		30-150	18		20	A
Alpha-BHC	86		70		30-150	20		20	A
Beta-BHC	81		68		30-150	17		20	A
Heptachlor	99		85		30-150	15		20	A
Aldrin	78		69		30-150	12		20	A
Heptachlor epoxide	111		92		30-150	18		20	A
Endrin	104		89		30-150	16		20	A
Endrin ketone	77		67		30-150	14		20	A
Dieldrin	93		79		30-150	17		20	A
4,4'-DDE	90		75		30-150	17		20	A
4,4'-DDD	93		80		30-150	16		20	A
4,4'-DDT	95		81		30-150	16		20	A
Endosulfan I	91		77		30-150	17		20	A
Endosulfan II	90		78		30-150	15		20	A
Endosulfan sulfate	74		66		30-150	12		20	A
Methoxychlor	110		90		30-150	20		20	A
cis-Chlordane	88		72		30-150	19		20	A
trans-Chlordane	87		75		30-150	16		20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: PHG1301
Project Number: PHG1301

Lab Number: L1316532
Report Date: 09/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 04 Batch: WG631592-2 WG631592-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		53		30-150	A
Decachlorobiphenyl	90		81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		49		30-150	B
Decachlorobiphenyl	83		75		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: PHG1301

Project Number: PHG1301

Lab Number: L1316532

Report Date: 09/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02 Batch: WG631727-2 WG631727-3									
Delta-BHC	67		69		30-150	3		30	A
Lindane	70		72		30-150	3		30	A
Alpha-BHC	69		72		30-150	4		30	A
Beta-BHC	71		87		30-150	20		30	A
Heptachlor	92		94		30-150	2		30	A
Aldrin	79		81		30-150	3		30	A
Heptachlor epoxide	94		94		30-150	0		30	A
Endrin	99		100		30-150	1		30	A
Endrin ketone	82		82		30-150	0		30	A
Dieldrin	86		87		30-150	1		30	A
4,4'-DDE	79		81		30-150	3		30	A
4,4'-DDD	87		87		30-150	0		30	A
4,4'-DDT	89		90		30-150	1		30	A
Endosulfan I	84		86		30-150	2		30	A
Endosulfan II	89		89		30-150	0		30	A
Endosulfan sulfate	78		80		30-150	3		30	A
Methoxychlor	97		96		30-150	1		30	A
cis-Chlordane	82		82		30-150	0		30	A
trans-Chlordane	81		82		30-150	1		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: PHG1301
Project Number: PHG1301

Lab Number: L1316532
Report Date: 09/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02 Batch: WG631727-2 WG631727-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		74		30-150	A
Decachlorobiphenyl	81		91		30-150	A
2,4,5,6-Tetrachloro-m-xylene	54		52		30-150	B
Decachlorobiphenyl	85		84		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: PHG1301
Project Number: PHG1301

Lab Number: L1316532
Report Date: 09/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 05 Batch: WG632111-2 WG632111-3									
Delta-BHC	51		67		30-150	**28**	Q	20	A
Lindane	52		69		30-150	**27**	Q	20	A
Alpha-BHC	55		72		30-150	**27**	Q	20	A
Beta-BHC	49		62		30-150	**24**	Q	20	A
Heptachlor	55		73		30-150	**29**	Q	20	A
Aldrin	44		60		30-150	**30**	Q	20	A
Heptachlor epoxide	68		91		30-150	**28**	Q	20	A
Endrin	76		98		30-150	**26**	Q	20	A
Endrin ketone	69		88		30-150	**25**	Q	20	A
Dieldrin	67		86		30-150	**26**	Q	20	A
4,4'-DDE	58		77		30-150	**28**	Q	20	A
4,4'-DDD	68		89		30-150	**27**	Q	20	A
4,4'-DDT	65		84		30-150	**25**	Q	20	A
Endosulfan I	64		83		30-150	**26**	Q	20	A
Endosulfan II	69		90		30-150	**26**	Q	20	A
Endosulfan sulfate	65		82		30-150	**23**	Q	20	A
Methoxychlor	72		92		30-150	**24**	Q	20	A
cis-Chlordane	61		79		30-150	**26**	Q	20	A
trans-Chlordane	60		78		30-150	**26**	Q	20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: PHG1301
Project Number: PHG1301

Lab Number: L1316532
Report Date: 09/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 05 Batch: WG632111-2 WG632111-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	42		53		30-150	A
Decachlorobiphenyl	79		103		30-150	A
2,4,5,6-Tetrachloro-m-xylene	**29**	Q	38		30-150	B
Decachlorobiphenyl	57		70		30-150	B

METALS

Project Name: PHG1301 **Lab Number:** L1316532

Project Number: PHG1301 **Report Date:** 09/03/13

SAMPLE RESULTS

Lab ID: L1316532-01 Date Collected: 08/22/13 12:05

Client ID: SB001 (3-5') Date Received: 08/23/13

Sample Location: 325 E. 25TH ST, NY, NY 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											
Lead, Total	1300		mg/kg	2.3	0.09	1	08/27/13 12:23	08/28/13 22:31	EPA 3050B	1,6010C	MG

Project Name: PHG1301 **Lab Number:** L1316532

Project Number: PHG1301 **Report Date:** 09/03/13

SAMPLE RESULTS

Lab ID: L1316532-02 Date Collected: 08/22/13 13:55

Client ID: SB002 (2-4') Date Received: 08/23/13

Sample Location: 325 E. 25TH ST, NY, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6600		mg/kg	8.7	1.7	2	08/27/13 12:23	08/28/13 18:11	EPA 3050B	1,6010C	MG
Antimony, Total	1.0	J	mg/kg	4.3	0.69	2	08/27/13 12:23	08/28/13 18:11	EPA 3050B	1,6010C	MG
Arsenic, Total	6.8		mg/kg	0.87	0.17	2	08/27/13 12:23	08/28/13 18:11	EPA 3050B	1,6010C	MG
Barium, Total	520		mg/kg	0.87	0.26	2	08/27/13 12:23	08/28/13 18:11	EPA 3050B	1,6010C	MG
Beryllium, Total	0.22	J	mg/kg	0.43	0.09	2	08/27/13 12:23	08/28/13 18:11	EPA 3050B	1,6010C	MG
Cadmium, Total	0.95		mg/kg	0.87	0.06	2	08/27/13 12:23	08/28/13 18:11	EPA 3050B	1,6010C	MG
Calcium, Total	40000		mg/kg	8.7	2.6	2	08/27/13 12:23	08/28/13 18:11	EPA 3050B	1,6010C	MG
Chromium, Total	14		mg/kg	0.87	0.17	2	08/27/13 12:23	08/28/13 18:11	EPA 3050B	1,6010C	MG
Cobalt, Total	4.6		mg/kg	1.7	0.43	2	08/27/13 12:23	08/28/13 18:11	EPA 3050B	1,6010C	MG
Copper, Total	28		mg/kg	0.87	0.17	2	08/27/13 12:23	08/28/13 18:11	EPA 3050B	1,6010C	MG
Iron, Total	11000		mg/kg	4.3	1.7	2	08/27/13 12:23	08/28/13 18:11	EPA 3050B	1,6010C	MG
Lead, Total	830		mg/kg	4.3	0.17	2	08/27/13 12:23	08/28/13 18:11	EPA 3050B	1,6010C	MG
Magnesium, Total	3000		mg/kg	8.7	0.87	2	08/27/13 12:23	08/28/13 18:11	EPA 3050B	1,6010C	MG
Manganese, Total	200		mg/kg	0.87	0.17	2	08/27/13 12:23	08/28/13 18:11	EPA 3050B	1,6010C	MG
Mercury, Total	0.50		mg/kg	0.08	0.02	1	08/28/13 08:08	08/28/13 11:39	EPA 7471B	1,7471B	MC
Nickel, Total	12		mg/kg	2.2	0.35	2	08/27/13 12:23	08/28/13 18:11	EPA 3050B	1,6010C	MG
Potassium, Total	920		mg/kg	220	35.	2	08/27/13 12:23	08/28/13 18:11	EPA 3050B	1,6010C	MG
Selenium, Total	0.50	J	mg/kg	1.7	0.26	2	08/27/13 12:23	08/28/13 18:11	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.87	0.17	2	08/27/13 12:23	08/28/13 18:11	EPA 3050B	1,6010C	MG
Sodium, Total	580		mg/kg	170	26.	2	08/27/13 12:23	08/28/13 18:11	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.7	0.35	2	08/27/13 12:23	08/28/13 18:11	EPA 3050B	1,6010C	MG
Vanadium, Total	24		mg/kg	0.87	0.09	2	08/27/13 12:23	08/28/13 18:11	EPA 3050B	1,6010C	MG
Zinc, Total	500		mg/kg	4.3	0.61	2	08/27/13 12:23	08/28/13 18:11	EPA 3050B	1,6010C	MG

Project Name: PHG1301 **Lab Number:** L1316532

Project Number: PHG1301 **Report Date:** 09/03/13

SAMPLE RESULTS

Lab ID: L1316532-03 Date Collected: 08/22/13 11:28

Client ID: SB003 (3-5') Date Received: 08/23/13

Sample Location: 325 E. 25TH ST, NY, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Lead, Total	1900		mg/kg	2.1	0.09	1	08/27/13 12:23	08/28/13 22:34	EPA 3050B	1,6010C	MG

Project Name: PHG1301 **Lab Number:** L1316532

Project Number: PHG1301 **Report Date:** 09/03/13

SAMPLE RESULTS

Lab ID: L1316532-04 Date Collected: 08/23/13 14:15

Client ID: MW Date Received: 08/23/13

Sample Location: 325 E. 25TH ST, NY, NY 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	0.208		mg/l	0.0100	0.00200	1	08/26/13 09:39	08/27/13 12:00	EPA 3005A	1,6020A	AK
Antimony, Total	ND		mg/l	0.00200	0.00010	1	08/26/13 09:39	08/27/13 12:00	EPA 3005A	1,6020A	AK
Arsenic, Total	0.00223		mg/l	0.00200	0.00010	1	08/26/13 09:39	08/27/13 12:00	EPA 3005A	1,6020A	AK
Barium, Total	0.06693		mg/l	0.00050	0.00010	1	08/26/13 09:39	08/27/13 12:00	EPA 3005A	1,6020A	AK
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/26/13 09:39	08/27/13 12:00	EPA 3005A	1,6020A	AK
Cadmium, Total	ND		mg/l	0.00050	0.00005	1	08/26/13 09:39	08/27/13 12:00	EPA 3005A	1,6020A	AK
Calcium, Total	83.5		mg/l	1.00	0.320	10	08/26/13 09:39	08/28/13 20:10	EPA 3005A	1,6020A	BM
Chromium, Total	0.00103		mg/l	0.00100	0.00020	1	08/26/13 09:39	08/27/13 12:00	EPA 3005A	1,6020A	AK
Cobalt, Total	0.00414		mg/l	0.00050	0.00010	1	08/26/13 09:39	08/27/13 12:00	EPA 3005A	1,6020A	AK
Copper, Total	0.00246		mg/l	0.00100	0.00010	1	08/26/13 09:39	08/27/13 12:00	EPA 3005A	1,6020A	AK
Iron, Total	0.759		mg/l	0.0500	0.0130	1	08/26/13 09:39	08/27/13 12:00	EPA 3005A	1,6020A	AK
Lead, Total	0.00180		mg/l	0.00100	0.00020	1	08/26/13 09:39	08/27/13 12:00	EPA 3005A	1,6020A	AK
Magnesium, Total	69.4		mg/l	0.700	0.230	10	08/26/13 09:39	08/28/13 20:10	EPA 3005A	1,6020A	BM
Manganese, Total	2.107		mg/l	0.00500	0.00100	10	08/26/13 09:39	08/27/13 11:53	EPA 3005A	1,6020A	AK
Mercury, Total	ND		mg/l	0.00020	0.00006	1	08/28/13 08:30	08/28/13 15:22	EPA 7470A	1,7470A	DR
Nickel, Total	0.00387		mg/l	0.00050	0.00010	1	08/26/13 09:39	08/27/13 12:00	EPA 3005A	1,6020A	AK
Potassium, Total	21.0		mg/l	1.00	0.270	10	08/26/13 09:39	08/28/13 20:10	EPA 3005A	1,6020A	BM
Selenium, Total	ND		mg/l	0.00500	0.00030	1	08/26/13 09:39	08/27/13 12:00	EPA 3005A	1,6020A	AK
Silver, Total	ND		mg/l	0.00050	0.00010	1	08/26/13 09:39	08/27/13 12:00	EPA 3005A	1,6020A	AK
Sodium, Total	25.7		mg/l	0.100	0.0150	1	08/26/13 09:39	08/27/13 12:00	EPA 3005A	1,6020A	AK
Thallium, Total	ND		mg/l	0.00050	0.00003	1	08/26/13 09:39	08/27/13 12:00	EPA 3005A	1,6020A	AK
Vanadium, Total	0.00175	J	mg/l	0.00500	0.00010	1	08/26/13 09:39	08/27/13 12:00	EPA 3005A	1,6020A	AK
Zinc, Total	0.00915	J	mg/l	0.01000	0.00120	1	08/26/13 09:39	08/27/13 12:00	EPA 3005A	1,6020A	AK
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.00446	J	mg/l	0.0100	0.00200	1	08/24/13 04:00	08/27/13 22:06	NA	1,6020A	BM
Antimony, Dissolved	0.00157	J	mg/l	0.00200	0.00010	1	08/24/13 04:00	08/27/13 22:06	NA	1,6020A	BM
Arsenic, Dissolved	0.00075		mg/l	0.00050	0.00020	1	08/24/13 04:00	08/27/13 22:06	NA	1,6020A	BM
Barium, Dissolved	0.03329		mg/l	0.00050	0.00010	1	08/24/13 04:00	08/27/13 22:06	NA	1,6020A	BM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	08/24/13 04:00	08/27/13 22:06	NA	1,6020A	BM
Cadmium, Dissolved	0.00008	J	mg/l	0.00020	0.00005	1	08/24/13 04:00	08/27/13 22:06	NA	1,6020A	BM

Project Name: PHG1301 **Lab Number:** L1316532

Project Number: PHG1301 **Report Date:** 09/03/13

SAMPLE RESULTS

Lab ID: L1316532-04 Date Collected: 08/23/13 14:15

Client ID: MW Date Received: 08/23/13

Sample Location: 325 E. 25TH ST, NY, NY Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	84.8		mg/l	2.00	0.640	20	08/24/13 04:00	08/27/13 21:42	NA	1,6020A	BM
Chromium, Dissolved	0.00316		mg/l	0.00100	0.00020	1	08/24/13 04:00	08/27/13 22:06	NA	1,6020A	BM
Cobalt, Dissolved	0.00109		mg/l	0.00050	0.00010	1	08/24/13 04:00	08/27/13 22:06	NA	1,6020A	BM
Copper, Dissolved	0.00126		mg/l	0.00100	0.00010	1	08/24/13 04:00	08/27/13 22:06	NA	1,6020A	BM
Iron, Dissolved	0.376		mg/l	0.0500	0.0130	1	08/24/13 04:00	08/27/13 22:06	NA	1,6020A	BM
Lead, Dissolved	ND		mg/l	0.00100	0.00020	1	08/24/13 04:00	08/27/13 22:06	NA	1,6020A	BM
Magnesium, Dissolved	71.0		mg/l	1.40	0.460	20	08/24/13 04:00	08/27/13 21:42	NA	1,6020A	BM
Manganese, Dissolved	0.6924		mg/l	0.01000	0.00200	20	08/24/13 04:00	08/27/13 21:42	NA	1,6020A	BM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	08/28/13 08:30	08/28/13 14:40	EPA 7470A	1,7470A	DR
Nickel, Dissolved	0.00259		mg/l	0.00050	0.00010	1	08/24/13 04:00	08/27/13 22:06	NA	1,6020A	BM
Potassium, Dissolved	20.6		mg/l	0.100	0.0270	1	08/24/13 04:00	08/27/13 22:06	NA	1,6020A	BM
Selenium, Dissolved	0.00082	J	mg/l	0.00500	0.00030	1	08/24/13 04:00	08/27/13 22:06	NA	1,6020A	BM
Silver, Dissolved	0.00059		mg/l	0.00040	0.00010	1	08/24/13 04:00	08/27/13 22:06	NA	1,6020A	BM
Sodium, Dissolved	27.2		mg/l	0.100	0.0150	1	08/24/13 04:00	08/27/13 22:06	NA	1,6020A	BM
Thallium, Dissolved	0.00007	J	mg/l	0.00050	0.00003	1	08/24/13 04:00	08/27/13 22:06	NA	1,6020A	BM
Vanadium, Dissolved	0.00145	J	mg/l	0.00500	0.00010	1	08/24/13 04:00	08/27/13 22:06	NA	1,6020A	BM
Zinc, Dissolved	0.00729	J	mg/l	0.01000	0.00120	1	08/24/13 04:00	08/27/13 22:06	NA	1,6020A	BM

Project Name: PHG1301 **Lab Number:** L1316532

Project Number: PHG1301 **Report Date:** 09/03/13

SAMPLE RESULTS

Lab ID: L1316532-05 Date Collected: 08/23/13 12:25

Client ID: FIELD BLANK Date Received: 08/23/13

Sample Location: 325 E. 25TH ST, NY, NY 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	0.0120		mg/l	0.0100	0.00200	1	08/26/13 09:39	08/27/13 11:26	EPA 3005A	1,6020A	AK
Antimony, Total	ND		mg/l	0.00200	0.00010	1	08/26/13 09:39	08/27/13 11:26	EPA 3005A	1,6020A	AK
Arsenic, Total	0.00034	J	mg/l	0.00200	0.00010	1	08/26/13 09:39	08/27/13 11:26	EPA 3005A	1,6020A	AK
Barium, Total	0.00067		mg/l	0.00050	0.00010	1	08/26/13 09:39	08/27/13 11:26	EPA 3005A	1,6020A	AK
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/26/13 09:39	08/27/13 11:26	EPA 3005A	1,6020A	AK
Cadmium, Total	ND		mg/l	0.00050	0.00005	1	08/26/13 09:39	08/27/13 11:26	EPA 3005A	1,6020A	AK
Calcium, Total	0.146		mg/l	0.100	0.0320	1	08/26/13 09:39	08/28/13 19:58	EPA 3005A	1,6020A	BM
Chromium, Total	0.00020	J	mg/l	0.00100	0.00020	1	08/26/13 09:39	08/27/13 11:26	EPA 3005A	1,6020A	AK
Cobalt, Total	ND		mg/l	0.00050	0.00010	1	08/26/13 09:39	08/27/13 11:26	EPA 3005A	1,6020A	AK
Copper, Total	0.00092	J	mg/l	0.00100	0.00010	1	08/26/13 09:39	08/27/13 11:26	EPA 3005A	1,6020A	AK
Iron, Total	0.0332	J	mg/l	0.0500	0.0130	1	08/26/13 09:39	08/27/13 11:26	EPA 3005A	1,6020A	AK
Lead, Total	0.00045	J	mg/l	0.00100	0.00020	1	08/26/13 09:39	08/27/13 11:26	EPA 3005A	1,6020A	AK
Magnesium, Total	ND		mg/l	0.0700	0.0230	1	08/26/13 09:39	08/28/13 19:58	EPA 3005A	1,6020A	BM
Manganese, Total	0.00108		mg/l	0.00050	0.00010	1	08/26/13 09:39	08/27/13 11:26	EPA 3005A	1,6020A	AK
Mercury, Total	ND		mg/l	0.00020	0.00006	1	08/28/13 08:30	08/28/13 15:24	EPA 7470A	1,7470A	DR
Nickel, Total	0.00012	J	mg/l	0.00050	0.00010	1	08/26/13 09:39	08/27/13 11:26	EPA 3005A	1,6020A	AK
Potassium, Total	ND		mg/l	0.100	0.0270	1	08/26/13 09:39	08/28/13 19:58	EPA 3005A	1,6020A	BM
Selenium, Total	ND		mg/l	0.00500	0.00030	1	08/26/13 09:39	08/27/13 11:26	EPA 3005A	1,6020A	AK
Silver, Total	ND		mg/l	0.00050	0.00010	1	08/26/13 09:39	08/27/13 11:26	EPA 3005A	1,6020A	AK
Sodium, Total	0.0155	J	mg/l	0.100	0.0150	1	08/26/13 09:39	08/27/13 11:26	EPA 3005A	1,6020A	AK
Thallium, Total	ND		mg/l	0.00050	0.00003	1	08/26/13 09:39	08/27/13 11:26	EPA 3005A	1,6020A	AK
Vanadium, Total	ND		mg/l	0.00500	0.00010	1	08/26/13 09:39	08/27/13 11:26	EPA 3005A	1,6020A	AK
Zinc, Total	0.2136		mg/l	0.01000	0.00120	1	08/26/13 09:39	08/27/13 11:26	EPA 3005A	1,6020A	AK

Project Name: PHG1301 **Lab Number:** L1316532

Project Number: PHG1301 **Report Date:** 09/03/13

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): 04-05 Batch: WG631483-1										
Aluminum, Total	ND		mg/l	0.0100	0.00200	1	08/26/13 09:39	08/27/13 11:22	1,6020A	AK
Antimony, Total	ND		mg/l	0.00200	0.00010	1	08/26/13 09:39	08/27/13 11:22	1,6020A	AK
Arsenic, Total	0.00188	J	mg/l	0.00200	0.00010	1	08/26/13 09:39	08/27/13 11:22	1,6020A	AK
Barium, Total	ND		mg/l	0.00050	0.00010	1	08/26/13 09:39	08/27/13 11:22	1,6020A	AK
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/26/13 09:39	08/27/13 11:22	1,6020A	AK
Cadmium, Total	ND		mg/l	0.00050	0.00005	1	08/26/13 09:39	08/27/13 11:22	1,6020A	AK
Calcium, Total	ND		mg/l	0.100	0.0320	1	08/26/13 09:39	08/28/13 19:52	1,6020A	BM
Chromium, Total	0.00020	J	mg/l	0.00100	0.00020	1	08/26/13 09:39	08/27/13 11:22	1,6020A	AK
Cobalt, Total	ND		mg/l	0.00050	0.00010	1	08/26/13 09:39	08/27/13 11:22	1,6020A	AK
Copper, Total	ND		mg/l	0.00100	0.00010	1	08/26/13 09:39	08/27/13 11:22	1,6020A	AK
Iron, Total	ND		mg/l	0.0500	0.0130	1	08/26/13 09:39	08/27/13 11:22	1,6020A	AK
Lead, Total	ND		mg/l	0.00100	0.00020	1	08/26/13 09:39	08/27/13 11:22	1,6020A	AK
Magnesium, Total	ND		mg/l	0.0700	0.0230	1	08/26/13 09:39	08/28/13 19:52	1,6020A	BM
Manganese, Total	ND		mg/l	0.00050	0.00010	1	08/26/13 09:39	08/27/13 11:22	1,6020A	AK
Nickel, Total	0.00034	J	mg/l	0.00050	0.00010	1	08/26/13 09:39	08/27/13 11:22	1,6020A	AK
Potassium, Total	ND		mg/l	0.100	0.0270	1	08/26/13 09:39	08/28/13 19:52	1,6020A	BM
Selenium, Total	ND		mg/l	0.00500	0.00030	1	08/26/13 09:39	08/27/13 11:22	1,6020A	AK
Silver, Total	ND		mg/l	0.00050	0.00010	1	08/26/13 09:39	08/27/13 11:22	1,6020A	AK
Sodium, Total	ND		mg/l	0.100	0.0150	1	08/26/13 09:39	08/27/13 11:22	1,6020A	AK
Thallium, Total	0.00003	J	mg/l	0.00050	0.00003	1	08/26/13 09:39	08/27/13 11:22	1,6020A	AK
Vanadium, Total	ND		mg/l	0.00500	0.00010	1	08/26/13 09:39	08/27/13 11:22	1,6020A	AK
Zinc, Total	ND		mg/l	0.01000	0.00120	1	08/26/13 09:39	08/27/13 11:22	1,6020A	AK

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): 02 Batch: WG631608-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	08/28/13 08:08	08/28/13 11:01	1,7471B	MC

Project Name: PHG1301 **Lab Number:** L1316532

Project Number: PHG1301 **Report Date:** 09/03/13

Method Blank Analysis
Batch Quality Control

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): 01-03 Batch: WG631869-1										
Aluminum, Total	ND		mg/kg	4.0	0.80	1	08/27/13 12:23	08/28/13 15:49	1,6010C	MG
Antimony, Total	ND		mg/kg	2.0	0.32	1	08/27/13 12:23	08/28/13 15:49	1,6010C	MG
Arsenic, Total	ND		mg/kg	0.40	0.08	1	08/27/13 12:23	08/28/13 15:49	1,6010C	MG
Barium, Total	ND		mg/kg	0.40	0.12	1	08/27/13 12:23	08/28/13 15:49	1,6010C	MG
Beryllium, Total	ND		mg/kg	0.20	0.04	1	08/27/13 12:23	08/28/13 15:49	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.40	0.03	1	08/27/13 12:23	08/28/13 15:49	1,6010C	MG
Calcium, Total	ND		mg/kg	4.0	1.2	1	08/27/13 12:23	08/28/13 15:49	1,6010C	MG
Chromium, Total	ND		mg/kg	0.40	0.08	1	08/27/13 12:23	08/28/13 15:49	1,6010C	MG
Cobalt, Total	ND		mg/kg	0.80	0.20	1	08/27/13 12:23	08/28/13 15:49	1,6010C	MG
Copper, Total	ND		mg/kg	0.40	0.08	1	08/27/13 12:23	08/28/13 15:49	1,6010C	MG
Iron, Total	ND		mg/kg	2.0	0.80	1	08/27/13 12:23	08/28/13 15:49	1,6010C	MG
Lead, Total	ND		mg/kg	2.0	0.08	1	08/27/13 12:23	08/28/13 15:49	1,6010C	MG
Magnesium, Total	ND		mg/kg	4.0	0.40	1	08/27/13 12:23	08/28/13 15:49	1,6010C	MG
Manganese, Total	ND		mg/kg	0.40	0.08	1	08/27/13 12:23	08/28/13 15:49	1,6010C	MG
Nickel, Total	ND		mg/kg	1.0	0.16	1	08/27/13 12:23	08/28/13 15:49	1,6010C	MG
Potassium, Total	ND		mg/kg	100	16.	1	08/27/13 12:23	08/28/13 15:49	1,6010C	MG
Selenium, Total	ND		mg/kg	0.80	0.12	1	08/27/13 12:23	08/28/13 15:49	1,6010C	MG
Silver, Total	ND		mg/kg	0.40	0.08	1	08/27/13 12:23	08/28/13 15:49	1,6010C	MG
Sodium, Total	ND		mg/kg	80	12.	1	08/27/13 12:23	08/28/13 15:49	1,6010C	MG
Thallium, Total	ND		mg/kg	0.80	0.16	1	08/27/13 12:23	08/28/13 15:49	1,6010C	MG
Vanadium, Total	ND		mg/kg	0.40	0.04	1	08/27/13 12:23	08/28/13 15:49	1,6010C	MG
Zinc, Total	ND		mg/kg	2.0	0.28	1	08/27/13 12:23	08/28/13 15:49	1,6010C	MG

Prep Information

Digestion Method: EPA 3050B

Project Name: PHG1301 **Lab Number:** L1316532

Project Number: PHG1301 **Report Date:** 09/03/13

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): 04 Batch: WG631913-1										
Aluminum, Dissolved	ND		mg/l	0.0100	0.00200	1	08/24/13 04:00	08/27/13 20:45	1,6020A	BM
Antimony, Dissolved	0.00047	J	mg/l	0.00200	0.00010	1	08/24/13 04:00	08/27/13 20:45	1,6020A	BM
Arsenic, Dissolved	ND		mg/l	0.00050	0.00020	1	08/24/13 04:00	08/27/13 20:45	1,6020A	BM
Barium, Dissolved	ND		mg/l	0.00050	0.00010	1	08/24/13 04:00	08/27/13 20:45	1,6020A	BM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	08/24/13 04:00	08/27/13 20:45	1,6020A	BM
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	08/24/13 04:00	08/27/13 20:45	1,6020A	BM
Calcium, Dissolved	ND		mg/l	0.100	0.0320	1	08/24/13 04:00	08/27/13 20:45	1,6020A	BM
Chromium, Dissolved	0.00021	J	mg/l	0.00100	0.00020	1	08/24/13 04:00	08/27/13 20:45	1,6020A	BM
Cobalt, Dissolved	ND		mg/l	0.00050	0.00010	1	08/24/13 04:00	08/27/13 20:45	1,6020A	BM
Copper, Dissolved	ND		mg/l	0.00100	0.00010	1	08/24/13 04:00	08/27/13 20:45	1,6020A	BM
Iron, Dissolved	ND		mg/l	0.0500	0.0130	1	08/24/13 04:00	08/27/13 20:45	1,6020A	BM
Lead, Dissolved	ND		mg/l	0.00100	0.00020	1	08/24/13 04:00	08/27/13 20:45	1,6020A	BM
Magnesium, Dissolved	ND		mg/l	0.0700	0.0230	1	08/24/13 04:00	08/27/13 20:45	1,6020A	BM
Manganese, Dissolved	0.00024	J	mg/l	0.00050	0.00010	1	08/24/13 04:00	08/27/13 20:45	1,6020A	BM
Nickel, Dissolved	ND		mg/l	0.00050	0.00010	1	08/24/13 04:00	08/27/13 20:45	1,6020A	BM
Potassium, Dissolved	ND		mg/l	0.100	0.0270	1	08/24/13 04:00	08/27/13 20:45	1,6020A	BM
Selenium, Dissolved	ND		mg/l	0.00500	0.00030	1	08/24/13 04:00	08/27/13 20:45	1,6020A	BM
Silver, Dissolved	ND		mg/l	0.00040	0.00010	1	08/24/13 04:00	08/27/13 20:45	1,6020A	BM
Sodium, Dissolved	ND		mg/l	0.100	0.0150	1	08/24/13 04:00	08/27/13 20:45	1,6020A	BM
Thallium, Dissolved	ND		mg/l	0.00050	0.00003	1	08/24/13 04:00	08/27/13 20:45	1,6020A	BM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00010	1	08/24/13 04:00	08/27/13 20:45	1,6020A	BM
Zinc, Dissolved	ND		mg/l	0.01000	0.00120	1	08/24/13 04:00	08/27/13 20:45	1,6020A	BM

Prep Information

Digestion Method: NA

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 04 Batch: WG632085-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	08/28/13 08:30	08/28/13 13:46	1,7470A	DR

Project Name: PHG1301 **Lab Number:** L1316532

Project Number: PHG1301 **Report Date:** 09/03/13

Method Blank Analysis
Batch Quality Control

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): 04-05 Batch: WG632088-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	08/28/13 08:30	08/28/13 14:52	1,7470A	DR

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: PHG1301

Project Number: PHG1301

Lab Number: L1316532

Report Date: 09/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04-05 Batch: WG631483-2								
Aluminum, Total	109		-		80-120	-		
Antimony, Total	120		-		80-120	-		
Arsenic, Total	98		-		80-120	-		
Barium, Total	95		-		80-120	-		
Beryllium, Total	104		-		80-120	-		
Cadmium, Total	112		-		80-120	-		
Calcium, Total	107		-		80-120	-		
Chromium, Total	94		-		80-120	-		
Cobalt, Total	99		-		80-120	-		
Copper, Total	103		-		80-120	-		
Iron, Total	95		-		80-120	-		
Lead, Total	101		-		80-120	-		
Magnesium, Total	111		-		80-120	-		
Manganese, Total	94		-		80-120	-		
Nickel, Total	101		-		80-120	-		
Potassium, Total	105		-		80-120	-		
Selenium, Total	108		-		80-120	-		
Silver, Total	100		-		80-120	-		
Sodium, Total	99		-		80-120	-		
Thallium, Total	98		-		80-120	-		
Vanadium, Total	94		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: PHG1301
Project Number: PHG1301

Lab Number: L1316532
Report Date: 09/03/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04-05 Batch: WG631483-2					
Zinc, Total	109	-	80-120	-	
Total Metals - Westborough Lab Associated sample(s): 02 Batch: WG631608-2 SRM Lot Number: 0518-10-02					
Mercury, Total	117	-	67-133	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: PHG1301

Project Number: PHG1301

Lab Number: L1316532

Report Date: 09/03/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 Batch: WG631869-2 SRM Lot Number: 0518-10-02					
Aluminum, Total	85	-	29-171	-	
Antimony, Total	117	-	4-196	-	
Arsenic, Total	100	-	81-119	-	
Barium, Total	96	-	83-118	-	
Beryllium, Total	98	-	83-117	-	
Cadmium, Total	94	-	82-117	-	
Calcium, Total	89	-	83-117	-	
Chromium, Total	97	-	80-119	-	
Cobalt, Total	98	-	83-117	-	
Copper, Total	101	-	83-117	-	
Iron, Total	86	-	51-150	-	
Lead, Total	96	-	80-120	-	
Magnesium, Total	92	-	74-126	-	
Manganese, Total	92	-	83-117	-	
Nickel, Total	99	-	82-117	-	
Potassium, Total	91	-	74-126	-	
Selenium, Total	102	-	80-120	-	
Silver, Total	98	-	66-134	-	
Sodium, Total	95	-	74-127	-	
Thallium, Total	101	-	79-120	-	
Vanadium, Total	89	-	79-121	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: PHG1301

Project Number: PHG1301

Lab Number: L1316532

Report Date: 09/03/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 Batch: WG631869-2 SRM Lot Number: 0518-10-02					
Zinc, Total	94	-	82-119	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: PHG1301
Project Number: PHG1301

Lab Number: L1316532
Report Date: 09/03/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 04 Batch: WG631913-2					
Aluminum, Dissolved	102	-	80-120	-	
Antimony, Dissolved	83	-	80-120	-	
Arsenic, Dissolved	106	-	80-120	-	
Barium, Dissolved	94	-	80-120	-	
Beryllium, Dissolved	108	-	80-120	-	
Cadmium, Dissolved	106	-	80-120	-	
Calcium, Dissolved	98	-	80-120	-	
Chromium, Dissolved	92	-	80-120	-	
Cobalt, Dissolved	95	-	80-120	-	
Copper, Dissolved	95	-	80-120	-	
Iron, Dissolved	94	-	80-120	-	
Lead, Dissolved	86	-	80-120	-	
Magnesium, Dissolved	108	-	80-120	-	
Manganese, Dissolved	92	-	80-120	-	
Nickel, Dissolved	100	-	80-120	-	
Potassium, Dissolved	100	-	80-120	-	
Selenium, Dissolved	107	-	80-120	-	
Silver, Dissolved	95	-	80-120	-	
Sodium, Dissolved	109	-	80-120	-	
Thallium, Dissolved	90	-	80-120	-	
Vanadium, Dissolved	90	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: PHG1301
Project Number: PHG1301

Lab Number: L1316532
Report Date: 09/03/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 04 Batch: WG631913-2					
Zinc, Dissolved	104	-	80-120	-	
Dissolved Metals - Westborough Lab Associated sample(s): 04 Batch: WG632085-2					
Mercury, Dissolved	100	-	70-130	-	
Total Metals - Westborough Lab Associated sample(s): 04-05 Batch: WG632088-2					
Mercury, Total	103	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: PHG1301
Project Number: PHG1301

Lab Number: L1316532
Report Date: 09/03/13

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): 04-05 QC Batch ID: WG631483-4 QC Sample: L1316532-04 Client ID: MW												
Aluminum, Total	0.208	2	2.56	118		-	-		80-120	-		20
Antimony, Total	ND	0.5	0.4924	98		-	-		80-120	-		20
Arsenic, Total	0.00223	0.12	0.1328	109		-	-		80-120	-		20
Barium, Total	0.06693	2	2.036	98		-	-		80-120	-		20
Beryllium, Total	ND	0.05	0.05564	111		-	-		80-120	-		20
Cadmium, Total	ND	0.051	0.06006	118		-	-		80-120	-		20
Calcium, Total	83.5	10	100	**165**	Q	-	-		80-120	-		20
Chromium, Total	0.00103	0.2	0.1959	97		-	-		80-120	-		20
Cobalt, Total	0.00414	0.5	0.5144	102		-	-		80-120	-		20
Copper, Total	0.00246	0.25	0.2641	105		-	-		80-120	-		20
Iron, Total	0.759	1	1.63	87		-	-		80-120	-		20
Lead, Total	0.00180	0.51	0.5348	104		-	-		80-120	-		20
Magnesium, Total	69.4	10	84.9	**155**	Q	-	-		80-120	-		20
Manganese, Total	2.107	0.5	2.613	101		-	-		80-120	-		20
Nickel, Total	0.00387	0.5	0.5205	103		-	-		80-120	-		20
Potassium, Total	21.0	10	33.3	**123**	Q	-	-		80-120	-		20
Selenium, Total	ND	0.12	0.136	113		-	-		80-120	-		20
Silver, Total	ND	0.05	0.05122	102		-	-		80-120	-		20
Sodium, Total	25.7	10	37.9	**122**	Q	-	-		80-120	-		20
Thallium, Total	ND	0.12	0.1219	102		-	-		80-120	-		20
Vanadium, Total	0.00175J	0.5	0.4891	98		-	-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: PHG1301
Project Number: PHG1301

Lab Number: L1316532
Report Date: 09/03/13

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): 04-05 QC Batch ID: WG631483-4 QC Sample: L1316532-04 Client ID: MW									
Zinc, Total	0.00915J	0.5	0.5762	115	-	-	80-120	-	20
Total Metals - Westborough Lab Associated sample(s): 02 QC Batch ID: WG631608-4 QC Sample: L1316427-07 Client ID: MS Sample									
Mercury, Total	1.6	0.166	1.8	120	-	-	70-130	-	35

Matrix Spike Analysis
Batch Quality Control

Project Name: PHG1301
Project Number: PHG1301

Lab Number: L1316532
Report Date: 09/03/13

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: WG631869-4 QC Sample: L1316417-01 Client ID: MS Sample										
Aluminum, Total	3000	175	3300	**172**	Q	-	-	75-125	-	35
Antimony, Total	ND	43.7	44	101		-	-	75-125	-	35
Arsenic, Total	1.4	10.5	12	101		-	-	75-125	-	35
Barium, Total	20.	175	190	97		-	-	75-125	-	35
Beryllium, Total	ND	4.37	4.3	98		-	-	75-125	-	35
Cadmium, Total	0.22J	4.46	4.4	99		-	-	75-125	-	35
Calcium, Total	44000	874	29000	**0**	Q	-	-	75-125	-	35
Chromium, Total	12.	17.5	29	97		-	-	75-125	-	35
Cobalt, Total	4.2	43.7	46	96		-	-	75-125	-	35
Copper, Total	19.	21.8	39	92		-	-	75-125	-	35
Iron, Total	9500	87.4	10000	**572**	Q	-	-	75-125	-	35
Lead, Total	5.8	44.6	47	92		-	-	75-125	-	35
Magnesium, Total	23000	874	12000	**0**	Q	-	-	75-125	-	35
Manganese, Total	150	43.7	160	**23**	Q	-	-	75-125	-	35
Nickel, Total	10.	43.7	50	92		-	-	75-125	-	35
Potassium, Total	620	874	1500	101		-	-	75-125	-	35
Selenium, Total	ND	10.5	10	95		-	-	75-125	-	35
Silver, Total	ND	26.2	26	99		-	-	75-125	-	35
Sodium, Total	170J	874	1000	114		-	-	75-125	-	35
Thallium, Total	ND	10.5	9.6	92		-	-	75-125	-	35
Vanadium, Total	27.	43.7	71	101		-	-	75-125	-	35

Matrix Spike Analysis
Batch Quality Control

Project Name: PHG1301
Project Number: PHG1301

Lab Number: L1316532
Report Date: 09/03/13

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: WG631869-4 QC Sample: L1316417-01 Client ID: MS Sample									
Zinc, Total	16.	43.7	55	89	-	-	75-125	-	35

Matrix Spike Analysis
Batch Quality Control

Project Name: PHG1301
Project Number: PHG1301

Lab Number: L1316532
Report Date: 09/03/13

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): 04 QC Batch ID: WG631913-4 QC Sample: L1316532-04 Client ID: MW										
Aluminum, Dissolved	0.00446J	2	2.06	103		-	-	80-120	-	20
Antimony, Dissolved	0.00157J	0.5	0.4240	85		-	-	80-120	-	20
Arsenic, Dissolved	0.00075	0.12	0.1256	104		-	-	80-120	-	20
Barium, Dissolved	0.03329	2	1.960	96		-	-	80-120	-	20
Beryllium, Dissolved	ND	0.05	0.05676	114		-	-	80-120	-	20
Cadmium, Dissolved	0.00008J	0.051	0.05542	109		-	-	80-120	-	20
Calcium, Dissolved	84.8	10	95.3	105		-	-	80-120	-	20
Chromium, Dissolved	0.00316	0.2	0.1960	96		-	-	80-120	-	20
Cobalt, Dissolved	0.00109	0.5	0.4972	99		-	-	80-120	-	20
Copper, Dissolved	0.00126	0.25	0.2492	99		-	-	80-120	-	20
Iron, Dissolved	0.376	1	1.34	96		-	-	80-120	-	20
Lead, Dissolved	ND	0.51	0.4624	91		-	-	80-120	-	20
Magnesium, Dissolved	71.0	10	81.2	102		-	-	80-120	-	20
Manganese, Dissolved	0.6924	0.5	1.174	96		-	-	80-120	-	20
Nickel, Dissolved	0.00259	0.5	0.5238	104		-	-	80-120	-	20
Potassium, Dissolved	20.6	10	31.2	106		-	-	80-120	-	20
Selenium, Dissolved	0.00082J	0.12	0.127	106		-	-	80-120	-	20
Silver, Dissolved	0.00059	0.05	0.04812	95		-	-	80-120	-	20
Sodium, Dissolved	27.2	10	39.3	**121**	Q	-	-	80-120	-	20
Thallium, Dissolved	0.00007J	0.12	0.1109	92		-	-	80-120	-	20
Vanadium, Dissolved	0.00145J	0.5	0.4754	95		-	-	80-120	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: PHG1301
Project Number: PHG1301

Lab Number: L1316532
Report Date: 09/03/13

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): 04 QC Batch ID: WG631913-4 QC Sample: L1316532-04 Client ID: MW										
Zinc, Dissolved	0.00729J	0.5	0.5334	107		-	-	80-120	-	20
Dissolved Metals - Westborough Lab Associated sample(s): 04 QC Batch ID: WG632085-4 QC Sample: L1316449-01 Client ID: MS Sample										
Mercury, Dissolved	0.1994	0.005	0.2009	**30**	Q	-	-	70-130	-	20
Total Metals - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG632088-4 QC Sample: L1315944-01 Client ID: MS Sample										
Mercury, Total	ND	0.005	0.00567	113		-	-	70-130	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: PHG1301
Project Number: PHG1301

Lab Number: L1316532
Report Date: 09/03/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG631483-3 QC Sample: L1316532-04 Client ID: MW						
Manganese, Total	2.107	2.033	mg/l	4		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: PHG1301
Project Number: PHG1301

Lab Number: L1316532
Report Date: 09/03/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG631483-3 QC Sample: L1316532-04 Client ID: MW					
Aluminum, Total	0.208	0.190	mg/l	9	20
Antimony, Total	ND	ND	mg/l	NC	20
Arsenic, Total	0.00223	0.00227	mg/l	2	20
Barium, Total	0.06693	0.06834	mg/l	2	20
Beryllium, Total	ND	ND	mg/l	NC	20
Cadmium, Total	ND	ND	mg/l	NC	20
Chromium, Total	0.00103	0.00102	mg/l	1	20
Cobalt, Total	0.00414	0.00406	mg/l	2	20
Copper, Total	0.00246	0.00236	mg/l	4	20
Iron, Total	0.759	0.723	mg/l	5	20
Lead, Total	0.00180	0.00172	mg/l	4	20
Nickel, Total	0.00387	0.00370	mg/l	5	20
Selenium, Total	ND	ND	mg/l	NC	20
Silver, Total	ND	ND	mg/l	NC	20
Sodium, Total	25.7	25.6	mg/l	0	20
Thallium, Total	ND	ND	mg/l	NC	20
Vanadium, Total	0.00175J	0.00174J	mg/l	NC	20
Zinc, Total	0.00915J	0.00916J	mg/l	NC	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: PHG1301
Project Number: PHG1301

Lab Number: L1316532
Report Date: 09/03/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG631483-3 QC Sample: L1316532-04 Client ID: MW					
Calcium, Total	83.5	85.0	mg/l	2	20
Magnesium, Total	69.4	71.0	mg/l	2	20
Potassium, Total	21.0	21.3	mg/l	1	20
Total Metals - Westborough Lab Associated sample(s): 02 QC Batch ID: WG631608-3 QC Sample: L1316427-07 Client ID: DUP Sample					
Mercury, Total	1.6	1.6	mg/kg	0	35

Lab Duplicate Analysis
Batch Quality Control

Project Name: PHG1301
Project Number: PHG1301

Lab Number: L1316532
Report Date: 09/03/13

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG631869-3 QC Sample: L1316417-01 Client ID: DUP Sample						
Aluminum, Total	3000	2800	mg/kg	7		35
Antimony, Total	ND	ND	mg/kg	NC		35
Arsenic, Total	1.4	14	mg/kg	**164**	Q	35
Barium, Total	20.	18	mg/kg	11		35
Beryllium, Total	ND	ND	mg/kg	NC		35
Cadmium, Total	0.22J	0.42J	mg/kg	NC		35
Calcium, Total	44000	16000	mg/kg	**93**	Q	35
Chromium, Total	12.	8.3	mg/kg	**36**	Q	35
Cobalt, Total	4.2	2.9	mg/kg	**37**	Q	35
Copper, Total	19.	19	mg/kg	0		35
Iron, Total	9500	9200	mg/kg	3		35
Lead, Total	5.8	3.5J	mg/kg	NC		35
Magnesium, Total	23000	5400	mg/kg	**124**	Q	35
Manganese, Total	150	140	mg/kg	7		35
Nickel, Total	10.	7.9	mg/kg	23		35
Potassium, Total	620	570	mg/kg	8		35
Selenium, Total	ND	ND	mg/kg	NC		35
Silver, Total	ND	ND	mg/kg	NC		35
Sodium, Total	170J	110J	mg/kg	NC		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: PHG1301
Project Number: PHG1301

Lab Number: L1316532
Report Date: 09/03/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG631869-3 QC Sample: L1316417-01 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/kg	NC	35
Vanadium, Total	27.	20	mg/kg	30	35
Zinc, Total	16.	20	mg/kg	22	35
Dissolved Metals - Westborough Lab Associated sample(s): 04 QC Batch ID: WG631913-3 QC Sample: L1316532-04 Client ID: MW					
Calcium, Dissolved	84.8	86.1	mg/l	7	20
Magnesium, Dissolved	71.0	72.2	mg/l	5	20
Manganese, Dissolved	0.6924	0.7010	mg/l	4	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: PHG1301
Project Number: PHG1301

Lab Number: L1316532
Report Date: 09/03/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 04 QC Batch ID: WG631913-3 QC Sample: L1316532-04 Client ID: MW					
Aluminum, Dissolved	0.00446J	0.00436J	mg/l	NC	20
Antimony, Dissolved	0.00157J	0.00083J	mg/l	NC	20
Arsenic, Dissolved	0.00075	0.00077	mg/l	3	20
Barium, Dissolved	0.03329	0.03327	mg/l	0	20
Beryllium, Dissolved	ND	ND	mg/l	NC	20
Cadmium, Dissolved	0.00008J	ND	mg/l	NC	20
Chromium, Dissolved	0.00316	0.00323	mg/l	2	20
Cobalt, Dissolved	0.00109	0.00101	mg/l	8	20
Copper, Dissolved	0.00126	0.00118	mg/l	7	20
Iron, Dissolved	0.376	0.364	mg/l	3	20
Lead, Dissolved	ND	ND	mg/l	NC	20
Nickel, Dissolved	0.00259	0.00237	mg/l	9	20
Potassium, Dissolved	20.6	19.8	mg/l	4	20
Selenium, Dissolved	0.00082J	0.00067J	mg/l	NC	20
Silver, Dissolved	0.00059	ND	mg/l	NC	20
Sodium, Dissolved	27.2	26.6	mg/l	2	20
Thallium, Dissolved	0.00007J	ND	mg/l	NC	20
Vanadium, Dissolved	0.00145J	0.00139J	mg/l	NC	20
Zinc, Dissolved	0.00729J	0.00692J	mg/l	NC	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: PHG1301
Project Number: PHG1301

Lab Number: L1316532
Report Date: 09/03/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 04 QC Batch ID: WG632085-3 QC Sample: L1316449-01 Client ID: DUP Sample					
Mercury, Dissolved	0.1994	0.1978	mg/l	1	20
Total Metals - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG632088-3 QC Sample: L1315944-01 Client ID: DUP Sample					
Mercury, Total	ND	ND	mg/l	NC	20

INORGANICS
&
MISCELLANEOUS

Project Name: PHG1301
Project Number: PHG1301

Lab Number: L1316532
Report Date: 09/03/13

SAMPLE RESULTS

Lab ID: L1316532-01
Client ID: SB001 (3-5')
Sample Location: 325 E. 25TH ST, NY, NY
Matrix: Soil

Date Collected: 08/22/13 12:05
Date Received: 08/23/13
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	84.5		%	0.100	NA	1	-	08/26/13 13:31	30,2540G	DM

Project Name: PHG1301
Project Number: PHG1301

Lab Number: L1316532
Report Date: 09/03/13

SAMPLE RESULTS

Lab ID: L1316532-02
Client ID: SB002 (2-4')
Sample Location: 325 E. 25TH ST, NY, NY
Matrix: Soil

Date Collected: 08/22/13 13:55
Date Received: 08/23/13
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	87.2		%	0.100	NA	1	-	08/26/13 13:31	30,2540G	DM

Project Name: PHG1301
Project Number: PHG1301

Lab Number: L1316532
Report Date: 09/03/13

SAMPLE RESULTS

Lab ID: L1316532-03
Client ID: SB003 (3-5')
Sample Location: 325 E. 25TH ST, NY, NY
Matrix: Soil

Date Collected: 08/22/13 11:28
Date Received: 08/23/13
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	91.0		%	0.100	NA	1	-	08/26/13 13:31	30,2540G	DM

Lab Duplicate Analysis
Batch Quality Control

Project Name: PHG1301
Project Number: PHG1301

Lab Number: L1316532
Report Date: 09/03/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG631566-1 QC Sample: L1316530-12 Client ID: DUP Sample						
Solids, Total	93.0	92.6	%	0		20

Project Name: PHG1301
Project Number: PHG1301

Lab Number: L1316532
Report Date: 09/03/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 08/24/2013 01:48

Cooler Information Custody Seal

Cooler	
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1316532-01A	Amber 250ml unpreserved	B	N/A	5	Y	Absent	NYTCL-8270(14),TS(7),PB-TI(180)
L1316532-02A	Vial MeOH preserved	B	N/A	5	Y	Absent	NYTCL-8260HLW(14)
L1316532-02B	Vial water preserved	B	N/A	5	Y	Absent	NYTCL-8260HLW(14)
L1316532-02C	Vial water preserved	B	N/A	5	Y	Absent	NYTCL-8260HLW(14)
L1316532-02G	Plastic 2oz unpreserved for TS	B	N/A	5	Y	Absent	TS(7)
L1316532-02H	Amber 250ml unpreserved	B	N/A	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)
L1316532-02I	Amber 250ml unpreserved	B	N/A	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)
L1316532-03A	Amber 250ml unpreserved	B	N/A	5	Y	Absent	NYTCL-8270(14),TS(7),PB-TI(180)
L1316532-04A	Vial HCl preserved	B	N/A	5	Y	Absent	NYTCL-8260(14)
L1316532-04B	Vial HCl preserved	B	N/A	5	Y	Absent	NYTCL-8260(14)
L1316532-04C	Vial HCl preserved	B	N/A	5	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: PHG1301
Project Number: PHG1301

Lab Number: L1316532
Report Date: 09/03/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1316532-04D	Amber 1000ml unpreserved	B	7	5	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1316532-04E	Amber 1000ml unpreserved	B	7	5	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1316532-04F	Amber 1000ml unpreserved	B	7	5	Y	Absent	NYTCL-8082-1200ML(7)
L1316532-04G	Amber 1000ml unpreserved	B	7	5	Y	Absent	NYTCL-8082-1200ML(7)
L1316532-04H	Amber 1000ml unpreserved	B	7	5	Y	Absent	NYTCL-8081(7)
L1316532-04I	Amber 1000ml unpreserved	B	7	5	Y	Absent	NYTCL-8081(7)
L1316532-04J	Plastic 500ml HNO3 preserved	B	<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)
L1316532-04K	Plastic 500ml unpreserved	B	7	5	Y	Absent	FILTER-MET(1)
L1316532-04X	Plastic 500ml HNO3 preserved	B	<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)
L1316532-05A	Vial HCl preserved	A	N/A	4	Y	Absent	NYTCL-8260(14)
L1316532-05B	Vial HCl preserved	A	N/A	4	Y	Absent	NYTCL-8260(14)
L1316532-05C	Vial HCl preserved	A	N/A	4	Y	Absent	NYTCL-8260(14)
L1316532-05D	Amber 1000ml unpreserved	A	7	4	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1316532-05E	Amber 1000ml unpreserved	A	7	4	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1316532-05F	Amber 1000ml unpreserved	A	7	4	Y	Absent	NYTCL-8082-1200ML(7)
L1316532-05G	Amber 1000ml unpreserved	A	7	4	Y	Absent	NYTCL-8082-1200ML(7)
L1316532-05H	Amber 500ml unpreserved	A	7	4	Y	Absent	NYTCL-8081(7)
L1316532-05I	Amber 500ml unpreserved	A	7	4	Y	Absent	NYTCL-8081(7)

*Values in parentheses indicate holding time in days

Project Name: PHG1301
Project Number: PHG1301

Lab Number: L1316532
Report Date: 09/03/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1316532-05J	Plastic 500ml HNO3 preserved	A	<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)
L1316532-06A	Vial HCl preserved	A	N/A	4	Y	Absent	HOLD-8260(14)
L1316532-06B	Vial HCl preserved	A	N/A	4	Y	Absent	HOLD-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	PHG1301	**Lab Number:**	L1316532
Project Number:	PHG1301	**Report Date:**	09/03/13

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.
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

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.
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.
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.

Report Format: DU Report with "J" Qualifiers

Project Name:	PHG1301	**Lab Number:**	L1316532
Project Number:	PHG1301	**Report Date:**	09/03/13

Data Qualifiers

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:	PHG1301	**Lab Number:**	L1316532
Project Number:	PHG1301	**Report Date:**	09/03/13

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.

Certificate/Approval Program Summary

Last revised August 29, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

State of Illinois Certificate/Lab ID: 003155. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.)

Hazardous and Solid Waste (Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: 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-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2064. ***NELAP Accredited.***
Drinking Water (Organic Parameters: **EPA 524.2:** Di-isopropyl ether (DIPE), Ethyl-t-butyl ether (ETBE), Tert-amyl methyl ether (TAME)).

Non-Potable Water (Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene. **EPA 8015C(M):** TPH.)

Solid & Chemical Materials (Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D,

9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330, 8082A, EPA 3510C, 5030B, 8015C, 8011.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO3-F, 4500H+B, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500 SO3-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm

9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010C, 6020A, 245.1, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 351.1, 353.2, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500Norg-C, 4500NO3-F, 5310C, 2130B, 2320B, 2340B, 2540C, 5540C, 3005A, 3015, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A, 8082A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010C, 6020A, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9040B, 9045C, 9010C, 9012B, 9251, SM3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A/B-prep, 8082A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
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 8260B:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8260 Non-potable water matrix:** Iodomethane (methyl iodide), Methyl methacrylate. **EPA 8260 Soil matrix:** Tert-amyl methyl ether (TAME), Diisopropyl ether (DIPE), Azobenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd In Lab: 8/23/13

ALPHA Job #: L1316532

Client Information

Client: PW Grosser Consulting
Address: 630 Johnson Avenue Bohemia, NY 11716
Phone: (631) 589-6353
Fax:
Email: thomasm@pwgrosser.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: P#61301
Project Location: 325 E. 25th St, NY, NY
Project #: P#61301
Project Manager: Thomas Melia
ALPHA Quote #:

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 8/30/13 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria

Other Project Specific Requirements/Comments/Detection Limits:

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Lead	SVOCs 8270	VOCs 8260	TAL Metals	Pesticides 8081	PCBs 8082	Unfiltered Metals	Filtered Metals	Total # Bottles	Sample Specific Comments
16532.1	SB001 (3-5')	08/22/13	1205	S	JMC	X	X								
.2	SB002 (2-4')		1355	S			X	X	X	X	X				
.3	SB003 (3-5')		1128	S		X	X								
.4	MW	08/23/13	1415	GW			X	X	X	X	X	X	X		
.5	Field Blank	08/23/13	1225			X	X	X	X	X	X				

SAMPLE HANDLING

Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Container Type														
Preservative														

Relinquished By:	Date/Time	Received By:	Date/Time
Julian Calabrese	08/23/13		8-23-13 1530
	8/23/13 1910		8/23/13 1910
	8/23/13 2345		8/23/13 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. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

ANALYTICAL REPORT

Lab Number:	L1316546
Client:	P. W. Grosser 630 Johnson Avenue Suite 7 Bohemia, NY 11716
ATTN:	Thomas Melia
Phone:	(631) 589-6353
Project Name:	PHG1301
Project Number:	PHG1301
Report Date:	08/30/13

Certifications & Approvals: NY (11627), CT (PH-0141), NH (2206), NJ NELAP (MA015), RI (LAO00299), PA (68-02089), LA NELAP (03090), FL (E87814), TX (T104704419), WA (C954), DOD (L2217.01), 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: PHG1301
Project Number: PHG1301

Lab Number: L1316546
Report Date: 08/30/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1316546-01	SV001	325 E. 25TH ST, NY, NY	08/23/13 12:42
L1316546-02	SV002	325 E. 25TH ST, NY, NY	08/23/13 13:37
L1316546-03	SV003	325 E. 25TH ST, NY, NY	08/23/13 14:36

Project Name: PHG1301 **Lab Number:** L1316546
Project Number: PHG1301 **Report Date:** 08/30/13

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. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for 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 free of charge for 30 days from the date the project is completed. After 30 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.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	PHG1301	**Lab Number:**	L1316546
Project Number:	PHG1301	**Report Date:**	08/30/13

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on Auguste 22, 2013. The canister certification results are provided as an addendum.

Samples L1316546-01, -02, -03 and Duplicate WG632292-5 have elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the samples.

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: 08/30/13

AIR

Project Name: PHG1301 ***Lab Number:*** L1316546

Project Number: PHG1301 ***Report Date:*** 08/30/13

SAMPLE RESULTS

Lab ID: L1316546-01 D
Client ID: SV001
Sample Location: 325 E. 25TH ST, NY, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 08/29/13 00:29
Analyst: MB

Date Collected: 08/23/13 12:42
Date Received: 08/23/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Propylene	116	1.00	--	200	1.72	--		2
Dichlorodifluoromethane	0.474	0.400	--	2.34	1.98	--		2
Chloromethane	0.898	0.400	--	1.85	0.826	--		2
Freon-114	ND	0.400	--	ND	2.80	--		2
Vinyl chloride	ND	0.400	--	ND	1.02	--		2
1,3-Butadiene	2.80	0.400	--	6.19	0.885	--		2
Bromomethane	ND	0.400	--	ND	1.55	--		2
Chloroethane	3.74	0.400	--	9.87	1.06	--		2
Ethanol	15.7	5.00	--	29.6	9.42	--		2
Vinyl bromide	ND	0.400	--	ND	1.75	--		2
Acetone	762	2.00	--	1810	4.75	--		2
Trichlorofluoromethane	ND	0.400	--	ND	2.25	--		2
Isopropanol	2.32	1.00	--	5.70	2.46	--		2
1,1-Dichloroethene	ND	0.400	--	ND	1.59	--		2
Methylene chloride	ND	2.00	--	ND	6.95	--		2
3-Chloropropene	ND	0.400	--	ND	1.25	--		2
Carbon disulfide	103	0.400	--	321	1.25	--		2
Freon-113	ND	0.400	--	ND	3.07	--		2
trans-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--		2
1,1-Dichloroethane	ND	0.400	--	ND	1.62	--		2
Methyl tert butyl ether	ND	0.400	--	ND	1.44	--		2
Vinyl acetate	ND	0.400	--	ND	1.41	--		2
2-Butanone	15.1	0.400	--	44.5	1.18	--		2
cis-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--		2

Project Name: PHG1301 ***Lab Number:*** L1316546

Project Number: PHG1301 ***Report Date:*** 08/30/13

SAMPLE RESULTS

Lab ID: L1316546-01 D
Client ID: SV001
Sample Location: 325 E. 25TH ST, NY, NY

Date Collected: 08/23/13 12:42
Date Received: 08/23/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	2.72	1.00	--	9.80	3.60	--		2
Chloroform	13.4	0.400	--	65.4	1.95	--		2
Tetrahydrofuran	0.596	0.400	--	1.76	1.18	--		2
1,2-Dichloroethane	ND	0.400	--	ND	1.62	--		2
n-Hexane	11.9	0.400	--	41.9	1.41	--		2
1,1,1-Trichloroethane	ND	0.400	--	ND	2.18	--		2
Benzene	7.74	0.400	--	24.7	1.28	--		2
Carbon tetrachloride	ND	0.400	--	ND	2.52	--		2
Cyclohexane	2.79	0.400	--	9.60	1.38	--		2
1,2-Dichloropropane	ND	0.400	--	ND	1.85	--		2
Bromodichloromethane	ND	0.400	--	ND	2.68	--		2
1,4-Dioxane	ND	0.400	--	ND	1.44	--		2
Trichloroethene	ND	0.400	--	ND	2.15	--		2
2,2,4-Trimethylpentane	3.07	0.400	--	14.3	1.87	--		2
Heptane	8.61	0.400	--	35.3	1.64	--		2
cis-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--		2
4-Methyl-2-pentanone	1.79	0.400	--	7.34	1.64	--		2
trans-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--		2
1,1,2-Trichloroethane	ND	0.400	--	ND	2.18	--		2
Toluene	26.7	0.400	--	101	1.51	--		2
2-Hexanone	1.95	0.400	--	7.99	1.64	--		2
Dibromochloromethane	ND	0.400	--	ND	3.41	--		2
1,2-Dibromoethane	ND	0.400	--	ND	3.07	--		2
Tetrachloroethene	ND	0.400	--	ND	2.71	--		2
Chlorobenzene	ND	0.400	--	ND	1.84	--		2
Ethylbenzene	2.49	0.400	--	10.8	1.74	--		2
p/m-Xylene	8.40	0.800	--	36.5	3.47	--		2
Bromoform	ND	0.400	--	ND	4.14	--		2

Project Name: PHG1301 ***Lab Number:*** L1316546

Project Number: PHG1301 ***Report Date:*** 08/30/13

SAMPLE RESULTS

Lab ID: L1316546-01 D Date Collected: 08/23/13 12:42

Client ID: SV001 Date Received: 08/23/13

Sample Location: 325 E. 25TH ST, NY, NY Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Styrene	ND	0.400	--	ND	1.70	--		2
1,1,2,2-Tetrachloroethane	ND	0.400	--	ND	2.75	--		2
o-Xylene	2.50	0.400	--	10.9	1.74	--		2
4-Ethyltoluene	0.572	0.400	--	2.81	1.97	--		2
1,3,5-Trimethylbenzene	0.520	0.400	--	2.56	1.97	--		2
1,2,4-Trimethylbenzene	2.05	0.400	--	10.1	1.97	--		2
Benzyl chloride	ND	0.400	--	ND	2.07	--		2
1,3-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,4-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,2-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,2,4-Trichlorobenzene	ND	0.400	--	ND	2.97	--		2
Hexachlorobutadiene	ND	0.400	--	ND	4.27	--		2

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	86		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	101		60-140

Project Name: PHG1301 ***Lab Number:*** L1316546

Project Number: PHG1301 ***Report Date:*** 08/30/13

SAMPLE RESULTS

Lab ID: L1316546-02 D
Client ID: SV002
Sample Location: 325 E. 25TH ST, NY, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 08/29/13 01:31
Analyst: MB

Date Collected: 08/23/13 13:37
Date Received: 08/23/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Propylene	3.54	1.00	--	6.09	1.72	--		2
Dichlorodifluoromethane	0.560	0.400	--	2.77	1.98	--		2
Chloromethane	0.484	0.400	--	0.999	0.826	--		2
Freon-114	ND	0.400	--	ND	2.80	--		2
Vinyl chloride	ND	0.400	--	ND	1.02	--		2
1,3-Butadiene	ND	0.400	--	ND	0.885	--		2
Bromomethane	ND	0.400	--	ND	1.55	--		2
Chloroethane	ND	0.400	--	ND	1.06	--		2
Ethanol	10.1	5.00	--	19.0	9.42	--		2
Vinyl bromide	ND	0.400	--	ND	1.75	--		2
Acetone	522	2.00	--	1240	4.75	--		2
Trichlorofluoromethane	ND	0.400	--	ND	2.25	--		2
Isopropanol	ND	1.00	--	ND	2.46	--		2
1,1-Dichloroethene	ND	0.400	--	ND	1.59	--		2
Methylene chloride	ND	2.00	--	ND	6.95	--		2
3-Chloropropene	ND	0.400	--	ND	1.25	--		2
Carbon disulfide	1.02	0.400	--	3.18	1.25	--		2
Freon-113	ND	0.400	--	ND	3.07	--		2
trans-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--		2
1,1-Dichloroethane	ND	0.400	--	ND	1.62	--		2
Methyl tert butyl ether	ND	0.400	--	ND	1.44	--		2
Vinyl acetate	ND	0.400	--	ND	1.41	--		2
2-Butanone	6.98	0.400	--	20.6	1.18	--		2
cis-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--		2

Project Name: PHG1301 ***Lab Number:*** L1316546

Project Number: PHG1301 ***Report Date:*** 08/30/13

SAMPLE RESULTS

Lab ID: L1316546-02 D
Client ID: SV002
Sample Location: 325 E. 25TH ST, NY, NY

Date Collected: 08/23/13 13:37
Date Received: 08/23/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	8.29	1.00	--	29.9	3.60	--		2
Chloroform	0.916	0.400	--	4.47	1.95	--		2
Tetrahydrofuran	0.524	0.400	--	1.55	1.18	--		2
1,2-Dichloroethane	ND	0.400	--	ND	1.62	--		2
n-Hexane	3.71	0.400	--	13.1	1.41	--		2
1,1,1-Trichloroethane	ND	0.400	--	ND	2.18	--		2
Benzene	3.19	0.400	--	10.2	1.28	--		2
Carbon tetrachloride	ND	0.400	--	ND	2.52	--		2
Cyclohexane	0.608	0.400	--	2.09	1.38	--		2
1,2-Dichloropropane	ND	0.400	--	ND	1.85	--		2
Bromodichloromethane	ND	0.400	--	ND	2.68	--		2
1,4-Dioxane	ND	0.400	--	ND	1.44	--		2
Trichloroethene	ND	0.400	--	ND	2.15	--		2
2,2,4-Trimethylpentane	ND	0.400	--	ND	1.87	--		2
Heptane	5.72	0.400	--	23.4	1.64	--		2
cis-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--		2
4-Methyl-2-pentanone	0.586	0.400	--	2.40	1.64	--		2
trans-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--		2
1,1,2-Trichloroethane	ND	0.400	--	ND	2.18	--		2
Toluene	24.3	0.400	--	91.6	1.51	--		2
2-Hexanone	1.39	0.400	--	5.70	1.64	--		2
Dibromochloromethane	ND	0.400	--	ND	3.41	--		2
1,2-Dibromoethane	ND	0.400	--	ND	3.07	--		2
Tetrachloroethene	ND	0.400	--	ND	2.71	--		2
Chlorobenzene	ND	0.400	--	ND	1.84	--		2
Ethylbenzene	2.33	0.400	--	10.1	1.74	--		2
p/m-Xylene	7.80	0.800	--	33.9	3.47	--		2
Bromoform	ND	0.400	--	ND	4.14	--		2

Project Name: PHG1301 ***Lab Number:*** L1316546

Project Number: PHG1301 ***Report Date:*** 08/30/13

SAMPLE RESULTS

Lab ID: L1316546-02 D Date Collected: 08/23/13 13:37

Client ID: SV002 Date Received: 08/23/13

Sample Location: 325 E. 25TH ST, NY, NY Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Styrene	ND	0.400	--	ND	1.70	--		2
1,1,2,2-Tetrachloroethane	ND	0.400	--	ND	2.75	--		2
o-Xylene	2.43	0.400	--	10.6	1.74	--		2
4-Ethyltoluene	0.588	0.400	--	2.89	1.97	--		2
1,3,5-Trimethylbenzene	0.526	0.400	--	2.59	1.97	--		2
1,2,4-Trimethylbenzene	2.03	0.400	--	9.98	1.97	--		2
Benzyl chloride	ND	0.400	--	ND	2.07	--		2
1,3-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,4-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,2-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,2,4-Trichlorobenzene	ND	0.400	--	ND	2.97	--		2
Hexachlorobutadiene	ND	0.400	--	ND	4.27	--		2

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	90		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	104		60-140

Project Name: PHG1301 ***Lab Number:*** L1316546

Project Number: PHG1301 ***Report Date:*** 08/30/13

SAMPLE RESULTS

Lab ID: L1316546-03 D
Client ID: SV003
Sample Location: 325 E. 25TH ST, NY, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 08/29/13 02:02
Analyst: MB

Date Collected: 08/23/13 14:36
Date Received: 08/23/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Propylene	14.0	1.00	--	24.1	1.72	--		2
Dichlorodifluoromethane	0.646	0.400	--	3.19	1.98	--		2
Chloromethane	1.08	0.400	--	2.23	0.826	--		2
Freon-114	ND	0.400	--	ND	2.80	--		2
Vinyl chloride	ND	0.400	--	ND	1.02	--		2
1,3-Butadiene	ND	0.400	--	ND	0.885	--		2
Bromomethane	ND	0.400	--	ND	1.55	--		2
Chloroethane	ND	0.400	--	ND	1.06	--		2
Ethanol	18.8	5.00	--	35.4	9.42	--		2
Vinyl bromide	ND	0.400	--	ND	1.75	--		2
Acetone	815	2.00	--	1940	4.75	--		2
Trichlorofluoromethane	ND	0.400	--	ND	2.25	--		2
Isopropanol	1.95	1.00	--	4.79	2.46	--		2
1,1-Dichloroethene	ND	0.400	--	ND	1.59	--		2
Methylene chloride	2.07	2.00	--	7.19	6.95	--		2
3-Chloropropene	ND	0.400	--	ND	1.25	--		2
Carbon disulfide	2.22	0.400	--	6.91	1.25	--		2
Freon-113	ND	0.400	--	ND	3.07	--		2
trans-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--		2
1,1-Dichloroethane	ND	0.400	--	ND	1.62	--		2
Methyl tert butyl ether	ND	0.400	--	ND	1.44	--		2
Vinyl acetate	ND	0.400	--	ND	1.41	--		2
2-Butanone	9.66	0.400	--	28.5	1.18	--		2
cis-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--		2

Project Name: PHG1301 ***Lab Number:*** L1316546

Project Number: PHG1301 ***Report Date:*** 08/30/13

SAMPLE RESULTS

Lab ID: L1316546-03 D Date Collected: 08/23/13 14:36

Client ID: SV003 Date Received: 08/23/13

Sample Location: 325 E. 25TH ST, NY, NY Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	12.2	1.00	--	44.0	3.60	--		2
Chloroform	18.0	0.400	--	87.9	1.95	--		2
Tetrahydrofuran	0.526	0.400	--	1.55	1.18	--		2
1,2-Dichloroethane	ND	0.400	--	ND	1.62	--		2
n-Hexane	4.44	0.400	--	15.6	1.41	--		2
1,1,1-Trichloroethane	ND	0.400	--	ND	2.18	--		2
Benzene	3.07	0.400	--	9.81	1.28	--		2
Carbon tetrachloride	ND	0.400	--	ND	2.52	--		2
Cyclohexane	0.578	0.400	--	1.99	1.38	--		2
1,2-Dichloropropane	ND	0.400	--	ND	1.85	--		2
Bromodichloromethane	ND	0.400	--	ND	2.68	--		2
1,4-Dioxane	ND	0.400	--	ND	1.44	--		2
Trichloroethene	ND	0.400	--	ND	2.15	--		2
2,2,4-Trimethylpentane	ND	0.400	--	ND	1.87	--		2
Heptane	5.14	0.400	--	21.1	1.64	--		2
cis-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--		2
4-Methyl-2-pentanone	0.736	0.400	--	3.02	1.64	--		2
trans-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--		2
1,1,2-Trichloroethane	ND	0.400	--	ND	2.18	--		2
Toluene	22.3	0.400	--	84.0	1.51	--		2
2-Hexanone	1.32	0.400	--	5.41	1.64	--		2
Dibromochloromethane	ND	0.400	--	ND	3.41	--		2
1,2-Dibromoethane	ND	0.400	--	ND	3.07	--		2
Tetrachloroethene	ND	0.400	--	ND	2.71	--		2
Chlorobenzene	ND	0.400	--	ND	1.84	--		2
Ethylbenzene	2.00	0.400	--	8.69	1.74	--		2
p/m-Xylene	7.14	0.800	--	31.0	3.47	--		2
Bromoform	ND	0.400	--	ND	4.14	--		2

Project Name: PHG1301 ***Lab Number:*** L1316546

Project Number: PHG1301 ***Report Date:*** 08/30/13

SAMPLE RESULTS

Lab ID: L1316546-03 D Date Collected: 08/23/13 14:36

Client ID: SV003 Date Received: 08/23/13

Sample Location: 325 E. 25TH ST, NY, NY Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Styrene	ND	0.400	--	ND	1.70	--		2
1,1,2,2-Tetrachloroethane	ND	0.400	--	ND	2.75	--		2
o-Xylene	2.14	0.400	--	9.30	1.74	--		2
4-Ethyltoluene	0.530	0.400	--	2.61	1.97	--		2
1,3,5-Trimethylbenzene	0.480	0.400	--	2.36	1.97	--		2
1,2,4-Trimethylbenzene	1.82	0.400	--	8.95	1.97	--		2
Benzyl chloride	ND	0.400	--	ND	2.07	--		2
1,3-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,4-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,2-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,2,4-Trichlorobenzene	ND	0.400	--	ND	2.97	--		2
Hexachlorobutadiene	ND	0.400	--	ND	4.27	--		2

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	94		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	103		60-140

Project Name: PHG1301 **Lab Number:** L1316546

Project Number: PHG1301 **Report Date:** 08/30/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 08/28/13 15:58

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): 01-03 Batch: WG632292-4								
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	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	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1

Project Name: PHG1301 **Lab Number:** L1316546

Project Number: PHG1301 **Report Date:** 08/30/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 08/28/13 15:58

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): 01-03 Batch: WG632292-4								
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		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
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
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		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
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
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: PHG1301 **Lab Number:** L1316546

Project Number: PHG1301 **Report Date:** 08/30/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 08/28/13 15:58

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): 01-03 Batch: WG632292-4								
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
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		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
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis

Batch Quality Control

Project Name: PHG1301
Project Number: PHG1301

Lab Number: L1316546
Report Date: 08/30/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG632292-3								
Chlorodifluoromethane	86		-		70-130	-		
Propylene	91		-		70-130	-		
Propane	**67**	Q	-		70-130	-		
Dichlorodifluoromethane	97		-		70-130	-		
Chloromethane	95		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	100		-		70-130	-		
Methanol	86		-		70-130	-		
Vinyl chloride	98		-		70-130	-		
1,3-Butadiene	100		-		70-130	-		
Butane	86		-		70-130	-		
Bromomethane	100		-		70-130	-		
Chloroethane	100		-		70-130	-		
Ethyl Alcohol	97		-		70-130	-		
Dichlorofluoromethane	91		-		70-130	-		
Vinyl bromide	102		-		70-130	-		
Acrolein	98		-		70-130	-		
Acetone	107		-		70-130	-		
Acetonitrile	89		-		70-130	-		
Trichlorofluoromethane	102		-		70-130	-		
iso-Propyl Alcohol	89		-		70-130	-		
Acrylonitrile	92		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: PHG1301
Project Number: PHG1301

Lab Number: L1316546
Report Date: 08/30/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG632292-3								
Pentane	88		-		70-130	-		
Ethyl ether	83		-		70-130	-		
1,1-Dichloroethene	101		-		70-130	-		
tert-Butyl Alcohol	93		-		70-130	-		
Methylene chloride	91		-		70-130	-		
3-Chloropropene	88		-		70-130	-		
Carbon disulfide	98		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	104		-		70-130	-		
trans-1,2-Dichloroethene	91		-		70-130	-		
1,1-Dichloroethane	100		-		70-130	-		
Methyl tert butyl ether	101		-		70-130	-		
Vinyl acetate	102		-		70-130	-		
2-Butanone	92		-		70-130	-		
cis-1,2-Dichloroethene	111		-		70-130	-		
Ethyl Acetate	88		-		70-130	-		
Chloroform	105		-		70-130	-		
Tetrahydrofuran	93		-		70-130	-		
2,2-Dichloropropane	98		-		70-130	-		
1,2-Dichloroethane	101		-		70-130	-		
n-Hexane	101		-		70-130	-		
Isopropyl Ether	88		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: PHG1301
Project Number: PHG1301

Lab Number: L1316546
Report Date: 08/30/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG632292-3								
Ethyl-Tert-Butyl-Ether	94		-		70-130	-		
1,1,1-Trichloroethane	103		-		70-130	-		
1,1-Dichloropropene	93		-		70-130	-		
Benzene	88		-		70-130	-		
Carbon tetrachloride	107		-		70-130	-		
Cyclohexane	95		-		70-130	-		
Tertiary-Amyl Methyl Ether	95		-		70-130	-		
Dibromomethane	95		-		70-130	-		
1,2-Dichloropropane	96		-		70-130	-		
Bromodichloromethane	99		-		70-130	-		
1,4-Dioxane	96		-		70-130	-		
Trichloroethene	102		-		70-130	-		
2,2,4-Trimethylpentane	97		-		70-130	-		
Methyl methacrylate	101		-		70-130	-		
Heptane	95		-		70-130	-		
cis-1,3-Dichloropropene	109		-		70-130	-		
4-Methyl-2-pentanone	93		-		70-130	-		
trans-1,3-Dichloropropene	94		-		70-130	-		
1,1,2-Trichloroethane	103		-		70-130	-		
Toluene	98		-		70-130	-		
1,3-Dichloropropane	92		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: PHG1301
Project Number: PHG1301

Lab Number: L1316546
Report Date: 08/30/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG632292-3								
2-Hexanone	99		-		70-130	-		
Dibromochloromethane	99		-		70-130	-		
1,2-Dibromoethane	90		-		70-130	-		
Butyl Acetate	102		-		70-130	-		
Octane	93		-		70-130	-		
Tetrachloroethene	99		-		70-130	-		
1,1,1,2-Tetrachloroethane	99		-		70-130	-		
Chlorobenzene	101		-		70-130	-		
Ethylbenzene	101		-		70-130	-		
p/m-Xylene	101		-		70-130	-		
Bromoform	97		-		70-130	-		
Styrene	103		-		70-130	-		
1,1,2,2-Tetrachloroethane	101		-		70-130	-		
o-Xylene	103		-		70-130	-		
1,2,3-Trichloropropane	91		-		70-130	-		
Nonane (C9)	99		-		70-130	-		
Isopropylbenzene	98		-		70-130	-		
Bromobenzene	94		-		70-130	-		
o-Chlorotoluene	96		-		70-130	-		
n-Propylbenzene	96		-		70-130	-		
p-Chlorotoluene	91		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: PHG1301
Project Number: PHG1301

Lab Number: L1316546
Report Date: 08/30/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG632292-3								
4-Ethyltoluene	92		-		70-130	-		
1,3,5-Trimethylbenzene	102		-		70-130	-		
tert-Butylbenzene	98		-		70-130	-		
1,2,4-Trimethylbenzene	105		-		70-130	-		
Decane (C10)	93		-		70-130	-		
Benzyl chloride	93		-		70-130	-		
1,3-Dichlorobenzene	101		-		70-130	-		
1,4-Dichlorobenzene	101		-		70-130	-		
sec-Butylbenzene	96		-		70-130	-		
p-Isopropyltoluene	91		-		70-130	-		
1,2-Dichlorobenzene	100		-		70-130	-		
n-Butylbenzene	97		-		70-130	-		
1,2-Dibromo-3-chloropropane	110		-		70-130	-		
Undecane	99		-		70-130	-		
Dodecane (C12)	**212**	Q	-		70-130	-		
1,2,4-Trichlorobenzene	112		-		70-130	-		
Naphthalene	102		-		70-130	-		
1,2,3-Trichlorobenzene	110		-		70-130	-		
Hexachlorobutadiene	120		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: PHG1301
Project Number: PHG1301

Lab Number: L1316546
Report Date: 08/30/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG632292-5 QC Sample: L1316546-01 Client ID: SV001						
Propylene	116	121	ppbV	4		25
Dichlorodifluoromethane	0.474	0.494	ppbV	4		25
Chloromethane	0.898	0.994	ppbV	10		25
Freon-114	ND	ND	ppbV	NC		25
Vinyl chloride	ND	ND	ppbV	NC		25
1,3-Butadiene	2.80	2.72	ppbV	3		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	3.74	4.05	ppbV	8		25
Ethanol	15.7	15.6	ppbV	1		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	762	776	ppbV	2		25
Trichlorofluoromethane	ND	ND	ppbV	NC		25
Isopropanol	2.32	2.18	ppbV	6		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
Methylene chloride	ND	2.08	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	103	106	ppbV	3		25
Freon-113	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: PHG1301
Project Number: PHG1301

Lab Number: L1316546
Report Date: 08/30/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG632292-5 QC Sample: L1316546-01 Client ID: SV001					
1,1-Dichloroethane	ND	ND	ppbV	NC	25
Methyl tert butyl ether	ND	ND	ppbV	NC	25
Vinyl acetate	ND	ND	ppbV	NC	25
2-Butanone	15.1	14.9	ppbV	1	25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC	25
Ethyl Acetate	2.72	2.67	ppbV	2	25
Chloroform	13.4	13.4	ppbV	0	25
Tetrahydrofuran	0.596	0.598	ppbV	0	25
1,2-Dichloroethane	ND	ND	ppbV	NC	25
n-Hexane	11.9	13.7	ppbV	14	25
1,1,1-Trichloroethane	ND	ND	ppbV	NC	25
Benzene	7.74	8.78	ppbV	13	25
Carbon tetrachloride	ND	ND	ppbV	NC	25
Cyclohexane	2.79	2.61	ppbV	7	25
1,2-Dichloropropane	ND	ND	ppbV	NC	25
Bromodichloromethane	ND	ND	ppbV	NC	25
1,4-Dioxane	ND	ND	ppbV	NC	25
Trichloroethene	ND	ND	ppbV	NC	25
2,2,4-Trimethylpentane	3.07	3.29	ppbV	7	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: PHG1301
Project Number: PHG1301

Lab Number: L1316546
Report Date: 08/30/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG632292-5 QC Sample: L1316546-01 Client ID: SV001					
Heptane	8.61	9.93	ppbV	14	25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
4-Methyl-2-pentanone	1.79	1.96	ppbV	9	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
1,1,2-Trichloroethane	ND	ND	ppbV	NC	25
Toluene	26.7	27.2	ppbV	2	25
2-Hexanone	1.95	1.84	ppbV	6	25
Dibromochloromethane	ND	ND	ppbV	NC	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
Tetrachloroethene	ND	ND	ppbV	NC	25
Chlorobenzene	ND	ND	ppbV	NC	25
Ethylbenzene	2.49	2.49	ppbV	0	25
p/m-Xylene	8.40	8.50	ppbV	1	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	2.50	2.43	ppbV	3	25
4-Ethyltoluene	0.572	0.598	ppbV	4	25
1,3,5-Trimethylbenzene	0.520	0.538	ppbV	3	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: PHG1301
Project Number: PHG1301

Lab Number: L1316546
Report Date: 08/30/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG632292-5 QC Sample: L1316546-01 Client ID: SV001					
1,2,4-Trimethylbenzene	2.05	2.06	ppbV	0	25
Benzyl chloride	ND	ND	ppbV	NC	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC	25
Hexachlorobutadiene	ND	ND	ppbV	NC	25

Project Name: PHG1301 **Lab Number:** L1316546

Project Number: PHG1301 **Report Date:** 08/30/13

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
L1316546-01	SV001	0576	#30 SV	08/22/13	92304		-	-	-	Pass	17.7	18.3	3
L1316546-01	SV001	143	2.7L Can	08/22/13	92304	L1316135-01	Pass	-29.3	-9.1	-	-	-	-
L1316546-02	SV002	0454	#30 SV	08/22/13	92304		-	-	-	Pass	17.7	17.9	1
L1316546-02	SV002	462	2.7L Can	08/22/13	92304	L1316135-01	Pass	-29.5	-7.4	-	-	-	-
L1316546-03	SV003	0386	#30 SV	08/22/13	92304		-	-	-	Pass	17.8	18.1	2
L1316546-03	SV003	114	2.7L Can	08/22/13	92304	L1316135-01	Pass	-29.3	-7.8	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1316135
Report Date: 08/30/13

Air Canister Certification Results

Lab ID: L1316135-01
Client ID: CAN 223 SHELF 13
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 08/21/13 18:03
Analyst: MR

Date Collected: 08/19/13 15:48
Date Received: 08/20/13
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								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.200	--	ND	0.361	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	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
Ethanol	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
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.200	--	ND	0.434	--		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
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1316135
Report Date: 08/30/13

Air Canister Certification Results

Lab ID: L1316135-01
Client ID: CAN 223 SHELF 13
Sample Location:
Date Collected: 08/19/13 15:48
Date Received: 08/20/13
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	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	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		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	0.200	--	ND	0.590	--		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
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl 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
tert-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: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1316135
Report Date: 08/30/13

Air Canister Certification Results

Lab ID: L1316135-01
Client ID: CAN 223 SHELF 13
Sample Location:
Date Collected: 08/19/13 15:48
Date Received: 08/20/13
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	0.200	--	ND	0.820	--		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	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: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1316135
Report Date: 08/30/13

Air Canister Certification Results

Lab ID: L1316135-01
Client ID: CAN 223 SHELF 13
Sample Location:
Date Collected: 08/19/13 15:48
Date Received: 08/20/13
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								
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-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	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
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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	84		60-140
Bromochloromethane	103		60-140
chlorobenzene-d5	104		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1316135
Report Date: 08/30/13

Air Canister Certification Results

Lab ID: L1316135-01
Client ID: CAN 223 SHELF 13
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 08/21/13 22:13
Analyst: AR

Date Collected: 08/19/13 15:48
Date Received: 08/20/13
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								
Dichlorodifluoromethane	ND	0.050	--	ND	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
Freon-114	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	2.00	--	ND	4.75	--		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	1.00	--	ND	3.47	--		1
Freon-113	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	0.020	--	ND	0.072	--		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: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1316135
Report Date: 08/30/13

Air Canister Certification Results

Lab ID: L1316135-01
Client ID: CAN 223 SHELF 13
Sample Location:
Date Collected: 08/19/13 15:48
Date Received: 08/20/13
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	0.500	--	ND	2.46	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	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	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1316135
Report Date: 08/30/13

Air Canister Certification Results

Lab ID: L1316135-01
Client ID: CAN 223 SHELF 13
Sample Location:

Date Collected: 08/19/13 15:48
Date Received: 08/20/13
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	0.500	--	ND	2.74	--		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	98		60-140
bromochloromethane	100		60-140
chlorobenzene-d5	95		60-140

Project Name: PHG1301
Project Number: PHG1301

Lab Number: L1316546
Report Date: 08/30/13

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(*)
L1316546-01A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1316546-02A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1316546-03A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name:	PHG1301	**Lab Number:**	L1316546
Project Number:	PHG1301	**Report Date:**	08/30/13

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.
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

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.
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.
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.

Report Format: Data Usability Report

Project Name:	PHG1301	**Lab Number:**	L1316546
Project Number:	PHG1301	**Report Date:**	08/30/13

Data Qualifiers

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

Project Name:	PHG1301	**Lab Number:**	L1316546
Project Number:	PHG1301	**Report Date:**	08/30/13

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.

Certificate/Approval Program Summary

Last revised August 3, 2012 – Mansfield Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0141.

Wastewater/Non-Potable Water (Inorganic Parameters: pH, Turbidity, Conductivity, Alkalinity, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Suspended Solids (non-filterable). Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables, Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, PAHs, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)

Solid Waste/Soil (Inorganic Parameters: pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Titanium, Vanadium, Zinc, Total Organic Carbon, Corrosivity, TCLP 1311, SPLP 1312. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Volatile Organics, Acid Extractables, Benzidines, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Florida Department of Health Certificate/Lab ID: E87814. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, SM2540G.)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7470, 7471, 9045. Organic Parameters: EPA 8260, 8270, 8082, 8081.)

Air & Emissions (EPA TO-15.)

Louisiana Department of Environmental Quality Certificate/Lab ID: 03090. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 180.1, 245.7, 1631E, 3020A, 6020A, 7470A, 9040, 9050A, SM2320B, 2540D, 2540G, 4500H-B, Organic Parameters: EPA 3510C, 3580A, 3630C, 3640A, 3660B, 3665A, 5030B, 8015D, 3570, 8081B, 8082A, 8260B, 8270C, 8270D.)

Solid & Chemical Materials (Inorganic Parameters: EPA 1311, 3050B, 3051A, 3060A, 6020A, 7196A, 7470A, 7471B, 7474, 9040B, 9045C, 9060. Organic Parameters: EPA 3540C, 3570, 3580A, 3630C, 3640A, 3660, 3665A, 5035, 8015D, 8081B, 8082A, 8260B, 8270C, 8270D.)

Biological Tissue (Inorganic Parameters: EPA 6020A. Organic Parameters: EPA 3570, 3510C, 3610B, 3630C, 3640A, 8270C, 8270D.)

Air & Emissions (EPA TO-15.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2206. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 180.1, 1631E, 6020A, 7470A, 9040B, 9050A, SM2540D, 2540G, 4500H+B, 2320B, 3020A, . Organic Parameters: EPA 3510C, 3630C, 3640A, 3660B, 8081B, 8082A, 8270C, 8270D, 8015D.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 1311, 3050B, 3051A, 6020A, 7471B, 9040B, 9045C. Organic Parameters: SW-846 3540C, 3580A, 3630C, 3640A, 3660B, 3665A, 8270C, 8015D, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA015. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SW-846 1312, 3020A, SM2320B, SM2540D, 2540G, 4500H-B, EPA 180.1, 1631E, SW-846 7470A, 9040C, 6020A, 9050A. Organic Parameters: SW-846 3510C, 3580A, 3630C, 3640A, 3660B, 3665A, 8015D, 8081B, 8082A, 8270C, 8270D)

Solid & Chemical Materials (Inorganic Parameters: SW-846 1311, 1312, 3050B, 3051A, 6020A, 7471B, 7474, 9040B, 9040C, 9045C, 9045D, 9060. Organic Parameters: SW-846 3540C, 3570, 3580A, 3630C, 3640A, 3660B, 3665A, 8081B, 8082A, 8270C, 8270D, 8015D.)

Atmospheric Organic Parameters (EPA 3C, TO-15, TO-10A, TO-13A-SIM.)

Biological Tissue (Inorganic Parameters: SW-846 6020A. Organic Parameters: SW-846 8270C, 8270D, 3510C, 3570, 3610C, 3630C, 3640A)

New York Department of Health Certificate/Lab ID: 11627. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, 6020A, 1631E, 7470A, 9050A, EPA 180.1, 3020A. Organic Parameters: EPA 8270C, 8270D, 8081B, 8082A, 3510C.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 6020A, 7471B, 7474, 9040C, 9045D. Organic Parameters: EPA 8270C, 8270D, 8081B, 8082A, 1311, 3050B, 3580A, 3570, 3051A.)

Air & Emissions (EPA TO-15, TO-10A.)

Pennsylvania Certificate/Lab ID: 68-02089 ***NELAP Accredited***

Non-Potable Water (Inorganic Parameters: 1312, 1631E, 180.1, 3020A, 6020A, 7470A, 9040B, 9050A, 2320B, 2540D, 2540G, SM4500H+-B. Organic Parameters: 3510C, 3580A, 3630C, 3640A, 3660B, 3665A, 8015D, 8081B, 8082A, 8270C, 8270D .)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 3051A, 6020A, 7471B, 7474 9040B, 9045C, 9060. Organic Parameters: EPA3050B, 3540C, 3570, 3580A, 3630C, 3640A, 3660B, 3665A, 8270C, 8270D, 8081B, 8015D, 8082A.)

Rhode Island Department of Health Certificate/Lab ID: LAO00299. ***NELAP Accredited via NJ-DEP.***

Refer to NJ-DEP Certificate for Non-Potable Water.

Texas Commission of Environmental Quality Certificate/Lab ID: T104704419-08-TX. ***NELAP Accredited.***

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 1311, 9040, 9045, 9060. Organic Parameters: EPA 8015, 8270, 8081, 8082.)

Air (Organic Parameters: EPA TO-15)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID:460194. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters:EPA 3020A, 6020A, 245.7, 9040B. Organic Parameters: EPA 3510C, 3640A, 3660B, 3665A, 8270C, 8270D, 8082A, 8081B, 8015D.)

Solid & Chemical Materials (Inorganic Parameters: EPA 6020A,7470A,7471B,9040B,9045C,3050B,3051, 9060. Organic Parameters: EPA 3540C, 3580A, 3630C, 3640A, 3660B, 3665A, 3570, 8270C, 8270D, 8081B, 8082A, 8015D.)

Washington State Department of Ecology Certificate/Lab ID: C954. *Non-Potable Water* (Inorganic Parameters: SM2540D, 180.1, 1631E.)

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 7474, 9045C, 9050A, 9060. Organic Parameters: EPA 8081, 8082, 8015, 8270.)

U.S. Army Corps of Engineers

Department of Defense, L-A-B Certificate/Lab ID: L2217.01.

Non-Potable Water (Inorganic Parameters: EPA 6020A, SM4500H-B. Organic Parameters: 3020A, 3510C, 8270C, 8270D, 8270C-ALK-PAH, 8270D-ALK-PAH, 8082A, 8081B, 8015D-SHC, 8015D.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 3050B, 6020A, 7471A, 9045C, 9060, SM 2540G, ASTM D422-63. Organic Parameters: EPA 3580A, 3570, 3540C, 8270C, 8270D, 8270C-ALK-PAH, 8270D-ALK-PAH 8082A, 8081B, 8015D-SHC, 8015D.

Air & Emissions (EPA TO-15.)

Analytes Not Accredited by NELAP

Certification is not available by NELAP for the following analytes: **8270C:** Biphenyl. **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, 2-Methylnaphthalene, 1-Methylnaphthalene.

Serial_No:08301314:56

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:

ALPHA Job #: L1316546

Client Information

Client: PW Grosser Consulting
Address: 630 Johnson Avenue
Bohemia NY 11716
Phone: (631) 589-6353
Fax:
Email: thomasm@pwgrosser.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: PHG1301
Project Location: 325 E 25th St, NY, NY
Project #: PHG1301
Project Manager: Thomas Nelia
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

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	ANALYSIS: TO-14A by TO-15	TO-15	TO-15 SIM	APH	FIXED GASES	TO-13A	TO-4 / TO-10	Sample Comments (i.e. PID)
16546-01	SV001	08/23	1043	1242	-30.14	-8.29	SV	JMC	6L	143	0576		X						
-02	SV002	↓	1137	1337	-29.59	-6.63	↓	↓	2.7	4462	0454		X						
-03	SV003	↓	1236	1436	-30.32	-7.38	↓	↓	2.7	114	0386		X						

*SAMPLE MATRIX CODES
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

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.

Relinquished By:	Date/Time	Received By:	Date/Time:
Jessica Calabrese	08/23/13 15:35		8-23-13 15:38
	8-23-13 19:10	Abdul Mahbub	8/23/13 19:10
Abdul Mahbub	8/23/13 23:45		8/23/13 23:45
	8/24/13 05:00	Mansfield Lab	8/24/13 05:00

Form No: 101-02 (rev. 4-Jan-09)

APPENDIX B
REMEDIAL ACTION WORK PLAN

HENRY PHIPPS PLAZA SOUTH (PARCEL 1)
325 EAST 25TH STREET (BLOCK 931, LOT 17)
MANHATTAN, NEW YORK
NYCOER PROJECT 14RHAZ082M

REMEDIAL ACTION PLAN

SUBMITTED TO:

New York City Office of Environmental Remediation
E-Designation Program
100 Gold Street, 2nd Floor
New York, New York 10038

PREPARED FOR:

Henry Phipps Plaza South HDFC
902 Broadway, 13th Floor
New York, New York 10010

PREPARED BY:

P.W. Grosser Consulting, Inc.
630 Johnson Avenue, Suite 7
Bohemia, New York 11716
Phone: 631-589-6353
Fax: 631-589-8705

James P. Rhodes, CPG, Sr. Principal jimr@pwgrosser.com
Thomas Melia, Project Manager thomasm@pwgrosser.com

PWGC Project Number: PHG1301

SEPTEMBER 2013

Remedial Action Plan

For

Henry Phipps Plaza South (Parcel 1)

325 East 25th Street, Manhattan, New York

Block 931, Lot 17

OER Project Number 14RHAZ082M

Prepared for:

Henry Phipps Plaza South HDFC

902 Broadway, 13th Floor, New York, New York 10010

khu@phippsny.org

Prepared by:

P.W. Grosser Consulting, Inc.

630 Johnson Avenue, Suite 7, Bohemia, New York 11716

thomasm@pwgrosser.com

631-589-6353

SEPTEMBER 2013

REMEDIAL ACTION PLAN

TABLE OF CONTENTS

FIGURES

TABLES

APPENDICES

LIST OF ACRONYMS

Acronym	Definition
AST	Aboveground Storage Tank
CAMP	Community Air Monitoring Plan
C&D	Construction & Demolition
CEQR	City Environmental Quality Review
CFR	Code of Federal Regulations
CHASP	Construction Health and Safety Plan
CO	Certificate of Occupancy
CPC	City Planning Commission
DSNY	Department of Sanitation
“E”	E-Designation
EAS	Environmental Assessment Statement
EIS	Environmental Impact Statement
ESA	Environmental Site Assessment
EC/IC	Engineering Control and Institutional Control
ELAP	Environmental Laboratory Accreditation Program
FDNY	New York City Fire Department
GPR	Ground Penetrating Radar
HASP	Health and Safety Plan
HAZWOPER	Hazardous Waste Operations Emergency Response
IDW	Investigation Derived Waste
Notice - NNO	Notice of No Objection
Notice - NTP	Notice To Proceed
Notice - NOS	Notice Of Satisfaction
Notice - FNOS	Final Notice of Satisfaction
NYC BSA	New York City Board of Standards and Appeals
NYC DCP	New York City Department of City Planning
NYC DEP	New York City Department of Environmental Protection
NYC DOB	New York City Department of Buildings
NYC DOF	New York City Department of Finance
NYC HPD	New York City Housing Preservation and Development
NYCRR	New York Codes Rules and Regulations
NYC OER	New York City Office of Environmental Remediation

NYS DEC	New York State Department of Environmental Conservation
NYS DEC DER	New York State Department of Environmental Conservation Division of Environmental Remediation
NYS DEC PBS	New York State Department of Environmental Conservation Petroleum Bulk Storage
NYS DOH	New York State Department of Health
NYS DOT	New York State Department of Transportation
OSHA	United States Occupational Health and Safety Administration
PAHs	Polycyclic Aromatic Hydrocarbons
PCBs	Polychlorinated Biphenyls
PE	Professional Engineer
PID	Photo Ionization Detector
PM	Particulate Matter
QEP	Qualified Environmental Professional
RA	Register Architect
RAP	Remedial Action Plan
RCA	Recycled Concrete Aggregate
RCR	Remedial Closure Report
RD	Restrictive Declaration
RI	Remedial Investigation
SCOs	Soil Cleanup Objectives
SCG	Standards, Criteria and Guidance
SMP	Site Management Plan
SPDES	State Pollutant Discharge Elimination System
SSDS	Sub-Slab Depressurization System
SVOCs	Semi-Volatile Organic Compounds
USCS	Unified Soil Classification System
USGS	United States Geological Survey
UST	Underground Storage Tank
TAL	Target Analyte List
TCL	Target Compound List
TCO	Temporary Certificate of Occupancy
VB	Vapor Barrier
VOCs	Volatile Organic Compounds

CERTIFICATION

I, Paul K. Boyce, am a Professional Engineer licensed in the State of New York. I have primary direct responsibility for implementation of the remedial action for the Henry Phipps Plaza South (Parcel 1) Site (NYCOER Project Number (14RHAZ082M).

I certify that this Remedial Action Plan (RAP) has a plan for handling, transport and disposal of soil, fill, fluids and other materials removed from the property in accordance with applicable City, State and Federal laws and regulations. Importation of all soil, fill and other material from off-Site will be in accordance with all applicable City, State and Federal laws and requirements. This RAP has provisions to control nuisances during the remediation and all invasive work, including dust and odor suppression.

PAUL K. BOYCE
Name

074604
NYS PE License Number

Paul Boyce
Signature

09.27.13
Date

EXECUTIVE SUMMARY

Henry Phipps Plaza South HDFC has established this plan to remediate a 9,275-square foot site located at 325 East 25th Street in Manhattan, New York. A Phase II Subsurface Investigation (Phase II) was performed to compile and evaluate data and information necessary to develop this Remedial Action Plan (RAP). The remedial action described in this document achieves the remedial objectives, complies with applicable environmental standards, criteria and guidance and conforms with applicable laws and regulations.

Site Location and Current Usage

The Site is located at 325 East 25th Street in the Kips Bay section of Manhattan, New York and is identified as Block 931 and Lot 17 on the New York City Tax Map. **Figure 1** shows the Site location.

The Site is 9,275-square feet and is bounded by a 14-story residential building (444-458 2nd Avenue) to the north, East 25th Street to the south, a surface parking lot which is accessory to a 25-story NYU Dormitory building (334 East 26th Street) to the east, and a 5-story residential building (319-321 East 25th Street) to the west. A map of the site boundary is shown in **Figure 2**; surrounding property usage is shown in **Figure 3**. Currently, the western half of the Site is a playground (no longer in use) and the eastern half of the site is storage for a nursery/landscaping company; the property is completely paved, but contains no buildings or other permanent improvements.

Summary of Proposed Redevelopment Plan

The proposed future use of the Site will consist of a nine-story residential building with a partial basement (approx. total gross square footage of 53,600 square feet). The building will contain approximately 56 residential units. The footprint of the building will encompass approximately two-thirds of the property; the rear third of the property not covered by the building footprint will be used as outdoor passive recreation communal space. The partial basement will be used for utility/machinery space and storage. Construction of the basement will require excavation to a depth of approximately 12 feet below ground surface (bgs). The

current zoning designation is R8 Residential. The proposed use is consistent with existing zoning for the property.

Building elevations are shown in **Figure 4**; cellar and 1st floor plans are shown in **Figure 5** and **Figure 6**. Proposed development plans are included as **Appendix C**.

Summary of the Remedy

The proposed remedial action achieves all of the remedial action goals established for the project. The proposed remedial action is effective in both the short-term and long-term and reduces mobility, toxicity and volume of contaminants and uses standard methods that are well established in the industry. The proposed remedial action will consist of:

1. Perform a Community Air Monitoring Program for particulates and volatile organic carbon compounds.
2. Establish Soil Cleanup Objectives (SCOs) for contaminants of concern. Excavation and removal of soil/fill exceeding SCOs including excavation of the lead and SVOC hotspot.
3. Collection and analysis of end-point samples to determine the performance of the remedy with respect to attainment of SCOs.
4. Removal of underground storage tanks and closure of petroleum spills, if encountered, in compliance with applicable local, State and Federal laws and regulations.
5. Construction and maintenance of an engineered composite cover consisting of the concrete building slab, which will cover approximately two-thirds of the site, and asphalt/concrete pavement and/or a minimum of two feet of clean fill material which will cover portions of the property not capped by the building slab to prevent human exposure to residual soil/fill remaining under the Site.
6. Installation of a vapor barrier system beneath the building slab and along foundation sidewalls to grade.
7. Demarcation of residual soil/fill.
8. Import of materials to be used for backfill and cover in compliance with this plan and in accordance with applicable laws and regulations.

9. Transportation and off-Site disposal of all soil/fill material at permitted facilities in accordance with applicable laws and regulations for handling, transport, and disposal, and this plan. Sampling and analysis of excavated media as required by disposal facilities. Appropriate segregation of excavated media onsite.

10. Screening of excavated soil/fill during intrusive work for indications of contamination by visual means, odor, and monitoring with a PID.

11. Site mobilization involving Site security setup, equipment mobilization, utility mark outs and marking & staking excavation areas.

12. Implementation of storm-water pollution prevention measures in compliance with applicable laws and regulations.

13. Performance of all activities required for the remedial action, including permitting requirements and pretreatment requirements, in compliance with applicable laws and regulations.

14. Submission of a Remedial Closure Report (RCR) that describes the remedial activities, certifies that the remedial requirements have been achieved, and describes all Engineering and Institutional Controls to be implemented at the Site, and lists any changes from this RAP.

15. Submission of an approved Site Management Plan (SMP) in the RCR for long-term management of residual contamination, including plans for operation, maintenance, monitoring, inspection and certification of Engineering and Institutional Controls and reporting at a specified frequency.

16. Continued registration of a Restrictive Declaration with the NYC Department of Buildings and a requirement that management of these controls must be in compliance with an approved SMP. Institutional Controls will include prohibition of the following: (1) vegetable gardening and farming; (2) use of groundwater without treatment rendering it safe for the intended use; (3) disturbance of residual contaminated material unless it is conducted in accordance with the SMP; and (4) higher level of land usage without OER-approval.

REMEDIAL ACTION PLAN

1.0 SITE BACKGROUND

This Remedial Action Plan (RAP) and site-specific Construction Health and Safety Plan (CHASP) have been developed for Henry Phipps Plaza South (Parcel 1) located at 325 East 25th Street in the Kips Bay section of Manhattan, New York (the Site). This project has been assigned project number 14RHAZ082M by OER. This RAP describes the remediation and/or mitigation activities to be implemented at the Site in coordination with the New York City Office of Environmental Remediation (OER) for the purposes of satisfying the requirements of the Restrictive Declaration Program and obtaining a Notice To Proceed. The site-specific CHASP (**Appendix B**) addresses site-specific hazards, identified contaminants of concern and safety requirements associated with remediation and mitigation activities in accordance with ASTM and OSHA guidelines.

1.1 Site Location and Current Usage

The Site is located at 325 East 25th Street in the Kips Bay section of Manhattan, New York and is identified as Block 931 and Lot 17 on the New York City Tax Map. **Figure 1** shows the Site location.

The Site is 9,275-square feet and is bounded by a 14-story residential building (444-458 2nd Avenue) to the north, East 25th Street to the south, a surface parking lot which is accessory to a 25-story NYU Dormitory building (334 East 26th Street) to the east, and a 5-story residential building (319-321 East 25th Street) to the west. A map of the site boundary is shown in **Figure 2**; surrounding property usage is shown in **Figure 3**. Currently, the western half of the Site is a playground (no longer in use) and the eastern half of the site is storage for a nursery/landscaping company; the property is completely paved, but contains no buildings or other permanent improvements.

1.2 Proposed Redevelopment Plan

The proposed future use of the Site will consist of a nine-story residential building with a partial basement (approx. total gross square footage of 53,600 square feet). The building will contain approximately 56 residential units. The footprint of the building will encompass

approximately two-thirds of the property; the rear third of the property not covered by the building footprint will be used as outdoor passive recreation communal space. The partial basement will be used for utility/machinery space and storage. Construction of the basement will require excavation to a depth of approximately 12 feet below ground surface (bgs). The current zoning designation is R8 Residential. The proposed use is consistent with existing zoning for the property.

Building elevations are shown in **Figure 4**; cellar and 1st floor plans are shown in **Figure 5** and **Figure 6**. Proposed development plans are included as **Appendix C**.

1.3 Description of Surrounding Property

The area surrounding the subject property is comprised of a mix of residential and commercial properties. One sensitive receptor is located adjacent to the subject property. The Acorn School (330 East 26th Street), a day care center is located adjacent to the north. Two additional sensitive receptors are located in close proximity (within 0.1 mile) to the subject property. Nearby sensitive receptors in the vicinity of the site include two hospitals: Bellevue Hospital Center (462 First Avenue, 0.1 mile east), and Veterans Administration NY Harbor Healthcare System Manhattan Campus (423 East 23rd Street, 0.1 mile southeast)

Figure 3 shows the surrounding land usage.

1.4 Environmental Investigation Reports

The following environmental work plans and reports were developed for the Site:

Phase I ESA, May 2007, prepared by Merritt Engineering Consultants, P.C.

Phase I ESA Update, November 2007, prepared by PWGC.

Phase II ESA, February 2008, prepared by PWGC.

Remedial Action Plan, February 2008, prepared by PWGC.

Phase II ESA Work Plan, August 2013, prepared by PWGC.

Remedial Investigation Report, September 2013, prepared by PWGC.

The following work has been performed at the site:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed nine soil borings across the entire project Site, and collected 13 soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. Collected three groundwater samples for chemical analysis to evaluate groundwater quality;
4. Installed three soil vapor probes around Site perimeter and collected three samples for chemical analysis.

1.5 Summary of Regulatory Correspondence

The following is a summary of pertinent regulatory correspondence related to the Site:

Notice to Proceed, March 2008, prepared by NYCDEP, sent to Manhattan Borough President.

1.6 Findings of Environmental Investigation

1. Elevation of the property above mean sea level is approximately 22 feet.
2. Depth to groundwater ranges from 11 to 12 feet below grade at the Site.
3. Regional groundwater flow is generally from west to east beneath the Site.
4. Depth to bedrock ranges from approximately five to at least 15 feet at the Site.
5. The stratigraphy of the site, from the surface down, consists of approximately 10 feet of fill material, underlain by at least five feet of sandy soils which appeared to be native material, underlain by bedrock.
6. Soil/fill samples collected during the RI showed SVOC and lead impact in the vicinity of boring B-1 in the northwestern portion of the site in excess of Restricted Residential SCOs. SVOC, barium and lead impact in excess of Restricted Residential SCOs was identified beneath the northern portion of the site at location SB002. Sample locations are illustrated in **Figure 8**. Soil sample analytical data are summarized in **Table 1** through **Table 4**.

7. Groundwater samples collected during the RI showed metals impact beneath the site; however, metals detected (iron, magnesium, manganese, and sodium) are commonly found in groundwater as a result of the chemical composition of the aquifer soils. Groundwater sample analytical data are summarized in **Table 5** through **Table 8**.
8. Soil vapor samples collected during the RI did not identify VOC impact in excess of NYSDOH AGVs; compounds for which NYSDOH has created decision matrices were not detected. Soil vapor sample analytical data are summarized in **Table 9**.

For environmental investigation data, consult reports listed in Section 1.4. Based on an evaluation of the environmental data and information, disposal of significant amounts of hazardous waste is not suspected at this site.

2.0 DESCRIPTION OF REMEDIATION

2.1 Objectives

The Site remediation and mitigation objectives are:

Soil

- Prevent direct contact with contaminated soil.
- Prevent migration of contaminants that would result in groundwater or surface water contamination.

Groundwater

- Prevent direct exposure to contaminated groundwater.

Remedial and mitigation measures described herein will be performed in accordance with applicable laws and regulations, and the site-specific CHASP. This remedy is protective of public health and/or the environment for the intended use.

2.2 Summary of Remedial Action

The proposed plan achieves all of the remedial action goals established for the project. The proposed remedial action is effective in both the short-term and long-term and reduces mobility, toxicity and volume of contaminants and uses standard methods that are well established in the industry.

The proposed remedial action will consist of:

1. Perform a Community Air Monitoring Program for particulates and volatile organic carbon compounds.
2. Establish Soil Cleanup Objectives (SCOs) for contaminants of concern. Excavation and removal of soil/fill exceeding SCOs, including excavation of the lead and SVOC hotspot.

3. Collection and analysis of end-point samples to determine the performance of the remedy with respect to attainment of SCOs.

4. Removal of underground storage tanks and closure of petroleum spills, if encountered, in compliance with applicable local, State and Federal laws and regulations.

5. Construction and maintenance of an engineered composite cover consisting of the concrete building slab, which will cover approximately two-thirds of the site, and asphalt/concrete pavement and/or a minimum of two feet of clean fill material which will cover portions of the property not capped by the building slab to prevent human exposure to residual soil/fill remaining under the Site.

6. Installation of a vapor barrier system beneath the building slab and along foundation sidewalls to grade.

7. Demarcation of residual soil/fill.

8. Import of materials to be used for backfill and cover in compliance with this plan and in accordance with applicable laws and regulations.

9. Transportation and off-Site disposal of all soil/fill material at permitted facilities in accordance with applicable laws and regulations for handling, transport, and disposal, and this plan. Sampling and analysis of excavated media as required by disposal facilities. Appropriate segregation of excavated media onsite.

10. Screening of excavated soil/fill during intrusive work for indications of contamination by visual means, odor, and monitoring with a PID.

11. Site mobilization involving Site security setup, equipment mobilization, utility mark outs and marking & staking excavation areas.

12. Implementation of storm-water pollution prevention measures in compliance with applicable laws and regulations.

13. Performance of all activities required for the remedial action, including permitting requirements and pretreatment requirements, in compliance with applicable laws and regulations.

14. Submission of a Remedial Closure Report (RCR) that describes the remedial activities, certifies that the remedial requirements have been achieved, and describes all Engineering and Institutional Controls to be implemented at the Site, and lists any changes from this RAP.

15. Submission of an approved Site Management Plan (SMP) in the RCR for long-term management of residual contamination, including plans for operation, maintenance, monitoring, inspection and certification of Engineering and Institutional Controls and reporting at a specified frequency.

16. Continued registration of a Restrictive Declaration with the NYC Department of Buildings and a requirement that management of these controls must be in compliance with an approved SMP. Institutional Controls will include prohibition of the following: (1) vegetable gardening and farming; (2) use of groundwater without treatment rendering it safe for the intended use; (3) disturbance of residual contaminated material unless it is conducted in accordance with the SMP; and (4) higher level of land usage without OER-approval.

2.3 Soil Cleanup Objectives and Soil/Fill Management

Site-specific Soil Cleanup Objectives (SCOs) proposed for this project are as follows:

- Total SVOCs – 250 ppm
- Lead – 1,000 ppm

Soil and materials management on-Site and off-Site, including excavation, handling and disposal, will be conducted in accordance with the Soil/Materials Management Plan in **Appendix A**. The location of planned excavations is shown in **Figure 7**.

Discrete contaminant sources (such as hotspots) identified during the remedial action will be horizontally and vertically identified by appropriate methods. This information will be provided in the RCR.

Estimated Soil/Fill Removal Quantities

The total quantity of soil/fill expected to be excavated and disposed off-Site is approximately 3,800 tons. Disposal locations will be reported promptly to the OER Project Manager prior to the start of the remedial action.

End-Point Sampling

Removal actions under this plan will be performed in conjunction with remedial end-point sampling. Endpoint samples will be collected to demonstrate that residual material meets Site Specific SCOs (see above). Three additional endpoint samples will be collected from the vicinity of B-1/SB001/SB003 and analyzed for lead and SVOCs to demonstrate removal of the identified hotspot. In addition, if soil/fill in this area remains (i.e. the area is not excavated to bedrock), an additional endpoint sample will be taken from the base of the excavation. Based on previous sampling, soils within the building footprint at planned excavation depths are within the Site Specific SCOs; and if soil/fill in this area remains (i.e. the area is not excavated to bedrock), two confirmation samples will be collected from this portion of the site and analyzed for SVOCs and metals. Proposed endpoint sample locations are illustrated in **Figure 8**.

If hotspots are identified (e.g., a petroleum spill) during the remedial action, additional endpoint sampling will be conducted. Analytes for end-point sampling will be those parameters that are driving the hot-spot removal action and will be approved by OER. End-point sampling frequency will consist of the following:

1. For excavations less than 20 feet in total perimeter, at least one bottom sample and one sidewall sample biased in the direction of surface runoff.

2. For excavations 20 to 300 feet in perimeter:

- For surface removals, one sample from the top of each sidewall for every 30 linear feet of sidewall and one sample from the excavation bottom for every 900 square feet of bottom area.
- For subsurface removals, one sample from each sidewall for every 30 linear feet of sidewall and one sample from the excavation bottom for every 900 square feet of bottom area.

3. For sampling of volatile organics, bottom samples should be taken within 24 hours of excavation, and should be taken from the zero to six-inch interval at the excavation floor. Samples taken after 24 hours should be taken at six to twelve inches.

4. For contaminated soil removal, post remediation soil samples for laboratory analysis should be taken immediately after contaminated soil removal. If the excavation is enlarged horizontally, additional soil samples will be taken pursuant to bullets 1-3 above.

Post-remediation sample locations and depth will be biased towards the areas and depths of highest contamination identified during previous sampling episodes unless field indicators such as field instrument measurements or visual contamination identified during the remedial action indicate that other locations and depths may be more heavily contaminated. In all cases, post-remediation samples should be biased toward locations and depths of the highest expected contamination.

New York State Department of Health ELAP certified labs will be used for all end-point sample analyses. Labs for end-point sample analyses will be reported in the RCR. The RCR will provide a tabular and map summary of all end-point sample results. End-point samples will be analyzed for trigger analytes (those for which SCO exceedance is identified) utilizing the following methodology:

Soil analytical methods for Site Specific SCOs will include:

- Volatile organic compounds by EPA Method 8260;
- Semi-volatile organic compounds by EPA Method 8270;
- Pesticides/PCBs by EPA Method 8081/8082; and
- Total Analyte List metals by EPA Method 6010.

If either LNAPL and/or DNAPL are detected, appropriate samples will be collected for characterization and “finger print analysis” and required regulatory reporting (i.e. spills hotline) will be performed.

Quality Assurance/Quality Control

The following sampling QA/QC protocol is in accordance with the USEPAs accepted sampling procedures for hazardous waste streams (Municipal Research Laboratory1980,

Sampling and Analysis Procedures for Hazardous Material Waste Streams, Office of Emergency and Remedial Response, EPA-600/280-018) and ASTM sampling procedures.

Sampling Equipment

Prior to the start of work and between sample locations, non-dedicated sampling equipment will be decontaminated using distilled water and a laboratory grade detergent with a distilled water rinse. Dedicated equipment will be disposed of and replaced prior to the collection of each sample.

Sample containers will be certified clean by the analytical laboratory. Samples to be analyzed for hydrocarbons will be placed in containers with Teflon lined caps. All samples will be preserved to 4°C in a cooler packed with ice. Sample glassware will accompany technicians throughout the day and remain in the laboratory supplied cooler until used.

Sample Identification

Sample IDs will be recorded on the sample label, in the field log book and on the chain-of-custody. Each sample will be assigned a unique identification number. The following information will be recorded for each sample:

- Location of sample
- Project identification name and/or number
- Sample identification number (i.e., soil boring number)
- Sample depth
- Sampling date and time
- Sampler's initials
- Required analysis

Chain-of-Custody Procedures

Sample collection/possession will be traceable from the time the samples are collected until they are received by the analytical laboratory. A sample will be considered under custody if it: is in a person's possession; in a person's view, after being in possession; was in a person's possession and they locked it up; or, it was in a designated secure area.

Import and Reuse of Soils

Import of soils onto the property and reuse of soils already onsite will be performed in conformance with the Soil/Materials Management Plan in **Appendix A**. The estimated quantity of soil to be imported into the Site for backfill and cover soil is to be determined. The estimated quantity of onsite soil/fill expected to be reused/relocated on Site is zero tons.

2.4 Engineering Controls

Engineering Controls were employed in the remedial action to address residual contamination remaining at the site. The Site has two primary Engineering Control (EC) Systems. These are:

Composite Cover System

Exposure to residual soil/fill will be prevented by an engineered, composite cover system to be built on the Site. This composite cover system is comprised of:

- Five-inch concrete slab across the building footprint
- Asphalt/concrete pavement and/or a minimum of two-feet of clean fill material in open spaces.

Figure 5 and **Figure 6** show the location of each cover type to be built at the Site; drawings showing composite cover construction details are included as **Appendix C**.

The composite cover system is a permanent engineering control for the Site. The system will be inspected and reported at specified intervals as required by this RAWP and the SMP. A Soil Management Plan will be included in the Site Management Plan and will outline the procedures to be followed in the event that the composite cover system and underlying residual soil/fill is disturbed after the remedial action is complete. Maintenance of this composite cover system will be described in the Site Management Plan in the RAR.

Vapor Barrier

Exposure to potential vapor intrusion within the basement of the structure will be prevented by installation of a vapor barrier system beneath the basement foundation slab, crawl space, and behind foundation sidewalls to grade. The vapor barrier system will be comprised of a minimum 20-mil high-density polyethylene (HDPE) membrane liner, or equivalent below the

floor slab and on foundation vertical walls. The liner will cover the entire footprint of the basement area and will be installed over a sub grade (compacted sand and/or gravel) free of sharp rocks, roots or other protrusions.

PWGC proposes using Grace Construction Products Florprufe® 120 as the sub-slab vapor barrier membrane system material, and Grace Construction Products Preprufe® 160R as the foundation wall vapor barrier membrane system material at the subject site. Copies of the manufacturer's data sheets for Florprufe® 120 and Preprufe® 160R are included in **Appendix E**. A Site-specific vapor barrier compatibility letter will be provided to OER prior to the start of the remedial action.

The vapor barrier will be installed in accordance with the manufacturer's specifications. Vapor barrier/water proofing membrane seams will be sealed using either a field extrusion welding method or with fabrication tape supplied by the manufacturer or other manufacturer approved methods. Pipes and other penetrations through the liner will be sealed using a pipe boot or a pre-fabricated flanged tube using the liner material, or with fabrication tape, or other approved methods. **Figure 9** shows the vertical and horizontal extent of the vapor barrier installation. Structural drawings illustrating additional vapor barrier details, including details of installation at elevator pits and crawl space, will be submitted to OER upon completion, prior to the start of work.

The vapor barrier/water proofing system is a permanent engineering control for the Site.

3.0 REMEDIAL ACTION MANAGEMENT

3.1 Project Organization and Oversight

Principal personnel who will participate in the remedial action include Mr. Thomas Melia of PWGC, who will serve as the Project Manager. The Professional Engineer (PE) for this project is Mr. Paul K. Boyce, PE of PWGC;

3.2 Site Security

Site access will be controlled by gated entrances to the fenced property.

3.3 Work Hours

The hours for operation of remedial construction will typically be from 7AM to 5PM. These hours conform to the New York City Department of Buildings construction code requirements.

3.4 Construction Health and Safety Plan

The site-specific Construction Health and Safety Plan (CHASP) is included in **Appendix B**. The Site Safety Coordinator will be Mr. Thomas Melia of PWGC (or assignee). Remedial work performed under this RAP will be in full compliance with applicable health and safety laws and regulations, including Site and OSHA worker safety requirements and HAZWOPER requirements. Confined space entry, if any, will comply with OSHA requirements and industry standards and will address potential risks. The parties performing the remedial construction work will ensure that performance of work is in compliance with the CHASP and applicable laws and regulations. The CHASP pertains to remedial and invasive work performed at the Site until the issuance of the Notice Of Satisfaction.

All field personnel involved in remedial activities will participate in training required under 29 CFR 1910.120, including 40-hour hazardous waste operator training and annual 8-hour refresher training. Site Safety Officer will be responsible for maintaining workers training records.

Personnel entering any exclusion zone will be trained in the provisions of the CHASP and be required to sign an CHASP acknowledgment. Site-specific training will be provided to field personnel. Additional safety training may be added depending on the tasks performed. Emergency telephone numbers will be posted at the site location before any remedial work begins. A safety meeting will be conducted before each shift begins. Topics to be discussed include task hazards and protective measures (physical, chemical, environmental); emergency procedures; PPE levels and other relevant safety topics. Meetings will be documented in a log book or specific form.

An emergency contact sheet with names and phone numbers is included in the CHASP. That document will define the specific project contacts for use in case of emergency.

3.5 Community Air Monitoring Plan

Real-time air monitoring for volatile organic compounds (VOCs) and particulate levels at the perimeter of the exclusion zone or work area will be performed. Continuous monitoring will be performed for all ground intrusive activities and during the handling of contaminated or potentially contaminated media. Ground intrusive activities include, but are not limited to, soil/waste excavation and handling, test pit excavation or trenching, and the installation of soil borings or monitoring wells.

Periodic monitoring for VOCs will be performed during non-intrusive activities such as the collection of soil and sediment samples or the collection of groundwater samples from existing monitoring wells. Periodic monitoring during sample collection, for instance, will consist of taking a reading upon arrival at a sample location, monitoring while opening a well cap or overturning soil, monitoring during well baling/purging, and taking a reading prior to leaving a sample location. Depending upon the proximity of potentially exposed individuals, continuous monitoring may be performed during sampling activities. Examples of such situations include groundwater sampling at wells on the curb of a busy urban street, in the midst of a public park, or adjacent to a school or residence. Exceedences of action levels observed during performance of the Community Air Monitoring Plan (CAMP) will be reported to the OER Project Manager and included in the Daily Report.

VOC Monitoring, Response Levels, and Actions

Volatile organic compounds (VOCs) will be monitored at the downwind perimeter of the immediate work area (i.e., the exclusion zone) on a continuous basis during invasive work. Upwind concentrations will be measured at the start of each workday and periodically thereafter to establish background conditions. The monitoring work will be performed using equipment appropriate to measure the types of contaminants known or suspected to be present. The equipment will be calibrated at least daily for the contaminant(s) of concern or for an appropriate surrogate. The equipment will be capable of calculating 15-minute running average concentrations, which will be compared to the levels specified below.

- If the ambient air concentration of total organic vapors at the downwind perimeter of the work area or exclusion zone exceeds 5 parts per million (ppm) above background for the 15-minute average, work activities will be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below 5 ppm over background, work activities will resume with continued monitoring.
- If total organic vapor levels at the downwind perimeter of the work area or exclusion zone persist at levels in excess of 5 ppm over background but less than 25 ppm, work activities will be halted, the source of vapors identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities will resume provided that the total organic vapor level 200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less - but in no case less than 20 feet, is below 5 ppm over background for the 15-minute average.
- If the organic vapor level is above 25 ppm at the perimeter of the work area, activities will be shutdown.

All 15-minute readings must be recorded and be available for OER personnel to review. Instantaneous readings, if any, used for decision purposes will also be recorded.

Particulate Monitoring, Response Levels, and Actions

Particulate concentrations will be monitored continuously at the upwind and downwind perimeters of the exclusion zone at temporary particulate monitoring stations. The particulate monitoring will be performed using real-time monitoring equipment capable of measuring particulate matter less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action level. The equipment will be equipped with an audible alarm to indicate exceedance of the action level. In addition, fugitive dust migration should be visually assessed during all work activities.

- If the downwind PM-10 particulate level is 100 micrograms per cubic meter (mcg/m^3) greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed leaving the work area, then dust suppression techniques will be employed. Work will continue with dust suppression techniques provided that downwind PM-10 particulate levels do not exceed 150 mcg/m^3 above the upwind level and provided that no visible dust is migrating from the work area.
- If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than 150 mcg/m^3 above the upwind level, work will be stopped and a re-evaluation of activities initiated. Work will resume provided that dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within 150 mcg/m^3 of the upwind level and in preventing visible dust migration.

All readings will be recorded and be available for OER personnel to review.

3.6 Agency Approvals

All permits or government approvals required for remediation and construction have been or will be obtained prior to the start of remediation and construction. Acceptance of this RAP by OER does not constitute satisfaction of these requirements and will not be a substitute for any required permit.

3.7 Site Preparation

Pre-Construction Meeting

OER will be invited to attend the pre-construction meeting at the Site with all parties involved in the remedial process prior to the start of remedial construction activities.

Mobilization

Mobilization will be conducted as necessary for each phase of work at the Site. Mobilization includes field personnel orientation, equipment mobilization (including securing all sampling equipment needed for the field investigation), marking/staking sampling locations and utility mark-outs. Each field team member will attend an orientation meeting to become familiar with the general operation of the Site, health and safety requirements, and field procedures.

Utility Marker Layouts, Easement Layouts

The presence of utilities and easements on the Site will be fully investigated prior to the performance of invasive work such as excavation or drilling under this plan by using, at a minimum, the One-Call System (811). Underground utilities may pose an electrocution, explosion, or other hazard during excavation or drilling activities. All invasive activities will be performed incompliance with applicable laws and regulations to assure safety. Utility companies and other responsible authorities will be contacted to locate and mark the locations, and a copy of the Markout Ticket will be retained by the contractor prior to the start of drilling, excavation or other invasive subsurface operations. Overhead utilities may also be present within the anticipated work zones. Electrical hazards associated with drilling in the vicinity of overhead utilities will be prevented by maintaining a safe distance between overhead power lines and drill rig masts.

Proper safety and protective measures pertaining to utilities and easements, and compliance with all laws and regulations will be employed during invasive and other work contemplated under this RAP. The integrity and safety of on-Site and off-Site structures will be maintained during all invasive, excavation or other remedial activity performed under the RAP.

Equipment and Material Staging

Equipment and materials will be stored and staged in a manner that complies with applicable laws and regulations.

Stabilized Construction Entrance

Steps will be taken to ensure that trucks departing the site will not track soil, fill or debris off-Site. Such actions may include use of cleaned asphalt or concrete roads or use of stone or other aggregate-based egress paths between the truck inspection station and the property exit. Measures will be taken to ensure that adjacent roadways will be kept clean of project related soils, fill and debris.

Truck Inspection Station

An outbound-truck inspection station will be set up close to the Site exit. Before exiting the Site, trucks will be required to stop at the truck inspection station and will be examined for evidence of contaminated soil on the undercarriage, body, and wheels. Soil and debris will be removed. Brooms, shovels and potable water will be utilized for the removal of soil from vehicles and equipment, as necessary.

3.8 Traffic Control

Drivers of trucks leaving the Site with soil/fill will be instructed to proceed without stopping in the vicinity of the site to prevent neighborhood impacts. The planned route on local roads for trucks leaving the site is to exit the site on East 25th Street toward 2nd Avenue, left on 2nd Avenue, right on to Houston, left on to Varick, and right on to I-78. Actual routes may vary depending on traffic conditions.

3.9 Demobilization

Demobilization will include:

- As necessary, restoration of temporary access areas and areas that may have been disturbed to accommodate support areas (e.g., staging areas, decontamination areas, storage areas, temporary water management areas, and access area);
- Removal of sediment from erosion control measures and truck wash and disposal of materials in accordance with applicable laws and regulations;

- Equipment decontamination, and;
- General refuse disposal.

Equipment will be decontaminated and demobilized at the completion of all field activities. Investigation equipment and large equipment (*e.g.*, soil excavators) will be washed at the truck inspection station as necessary. In addition, all investigation and remediation derived waste will be appropriately disposed.

3.10 Reporting and Record Keeping

Daily Reports

Daily reports providing a general summary of activities for each day of *active remedial work* will be emailed to the OER Project Manager by the end of the following day. Those reports will include:

- Project number and statement of the activities and an update of progress made and locations of work performed;
- Quantities of material imported and exported from the Site;
- Status of on-Site soil/fill stockpiles;
- A summary of all citizen complaints, with relevant details (basis of complaint; actions taken; etc.);
- A summary of CAMP exceedances, if any;
- Photographs of notable Site conditions and activities.

The frequency of the reporting period may be revised in consultation with OER project manager based on planned project tasks. Daily email reports are not intended to be the primary mode of communication for notification to OER of emergencies (accidents, spills), requests for changes to the RAP or other sensitive or time critical information. However, such information will be included in the daily reports. Emergency conditions and changes to the RAP will be communicated directly to the OER project manager by personal communication. Daily reports will be included as an Appendix in the RCR.

Record Keeping and Photo-Documentation

Job-site record keeping for all remedial work will be performed. These records will be maintained on-Site during the project and will be available for inspection by OER staff. Representative photographs will be taken of the Site prior to any remedial activities and during major remedial activities to illustrate remedial program elements and contaminant source areas. Photographs will be submitted at the completion of the project in the RCR in digital format (i.e. jpeg files).

3.11 Complaint Management

All complaints from citizens will be promptly reported to OER. Complaints will be addressed and outcomes will also be reported to OER in daily reports. Notices to OER will include the nature of the complaint, the party providing the complaint, and the actions taken to resolve any problems.

3.12 Deviations from the Remedial Action Plan

All changes to the RAP will be reported to the OER Project Manager and will be documented in daily reports and reported in the RCR. The process to be followed if there are any deviations from the RAP will include a request for approval for the change from OER noting the following:

- Reasons for deviating from the approved RAP;
- Effect of the deviations on overall remedy; and
- Determination that the remedial action with the deviation(s) is protective of public health and the environment.

4.0 REMEDIAL CLOSURE REPORT

A Remedial Closure Report (RCR) will be submitted to OER following implementation of the remedial action defined in this RAP. The RCR will document that the remedial work required under this RAP has been completed and has been performed in compliance with this plan. The RCR will include:

- Information required by this RAP;
- As-built drawings for all constructed remedial elements, required certifications, manifests and other written and photographic documentation of remedial work performed under this remedy;
- Site Management Plan;
- Description of any changes in the remedial action from the elements provided in this RAP and associated design documents;
- Tabular summary of all end point sampling results and all material characterization results, and other sampling and chemical analysis performed as part of the remedial action;
- Account of the source area locations and characteristics of all contaminated material removed from the Site including a map showing source areas;
- Account of the disposal destination of all contaminated material removed from the Site. Documentation associated with disposal of all material will include transportation and disposal records, and letters approving receipt of the material.
- Account of the origin and required chemical quality testing for material imported onto the Site.
- Reports and supporting material will be submitted in digital form.

Remedial Closure Report Certification

The following certification will appear in front of the Executive Summary of the Remedial Closure Report. The certification will include the following statements:

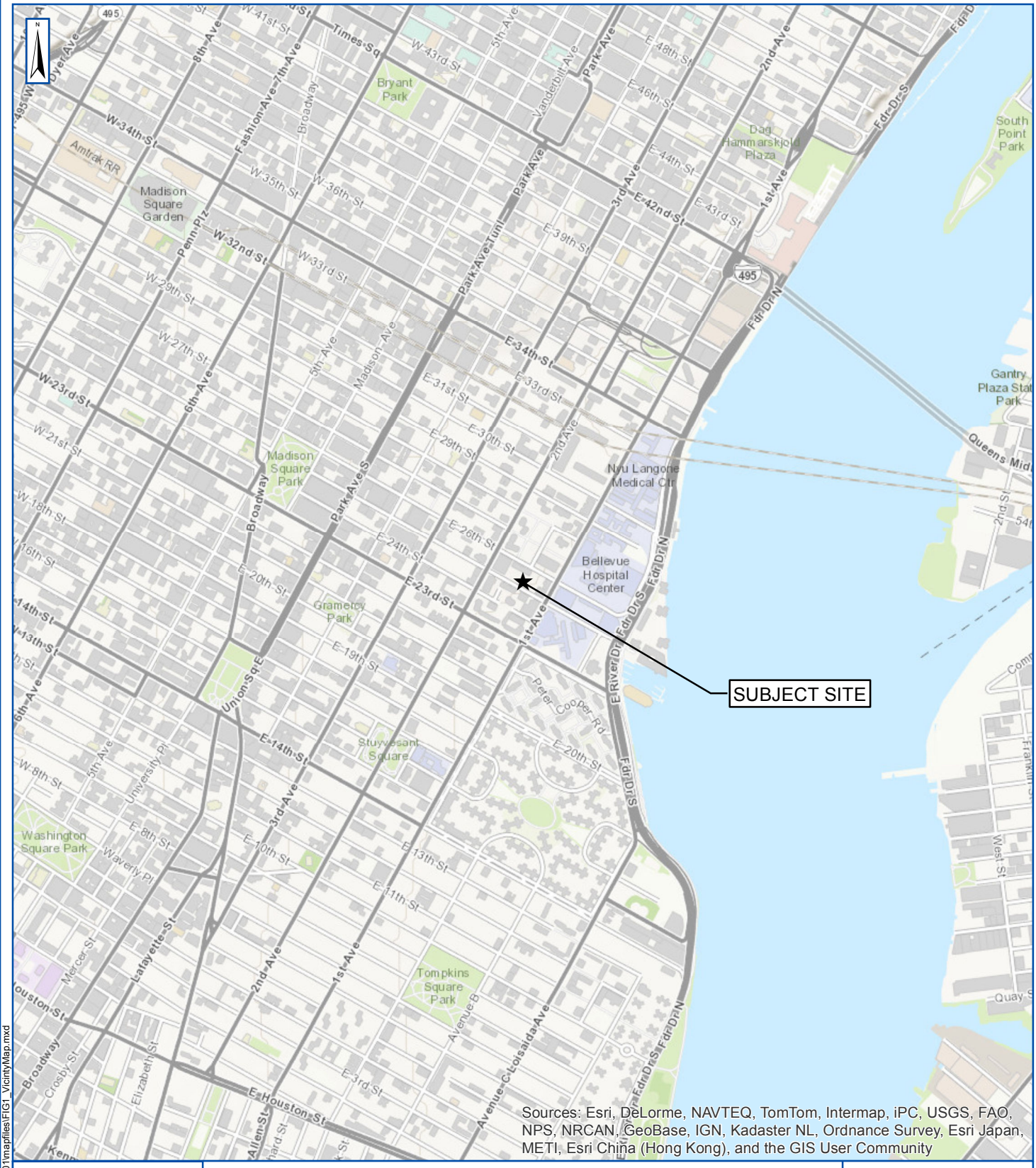
I, _____, am currently a professional engineer licensed by the State of New York. I had primary direct responsibility for implementation of the remedial program for the Site name Site Site number.

I certify that the OER-approved Remedial Action Plan dated month day year and Stipulations in a letter dated month day, year; if any were implemented and that all requirements in those documents have been substantively complied with. I certify that contaminated soil, fill, liquids or other material from the property were taken to facilities licensed to accept this material in full compliance with applicable laws and regulations.

5.0 SCHEDULE

The table below presents a schedule for the proposed remedial action and reporting. If the schedule for remediation and development activities changes, it will be updated and submitted to OER. Currently, a seven month remediation period is anticipated.

Schedule Milestone	Weeks from Remedial Action Start	Duration (weeks)
OER Approval of RAP	0	-
Mobilization	2	2
Remedial Construction	22	20
Demobilization	24	2
Submit Remedial Closure Report	28	4



VICINITY MAP

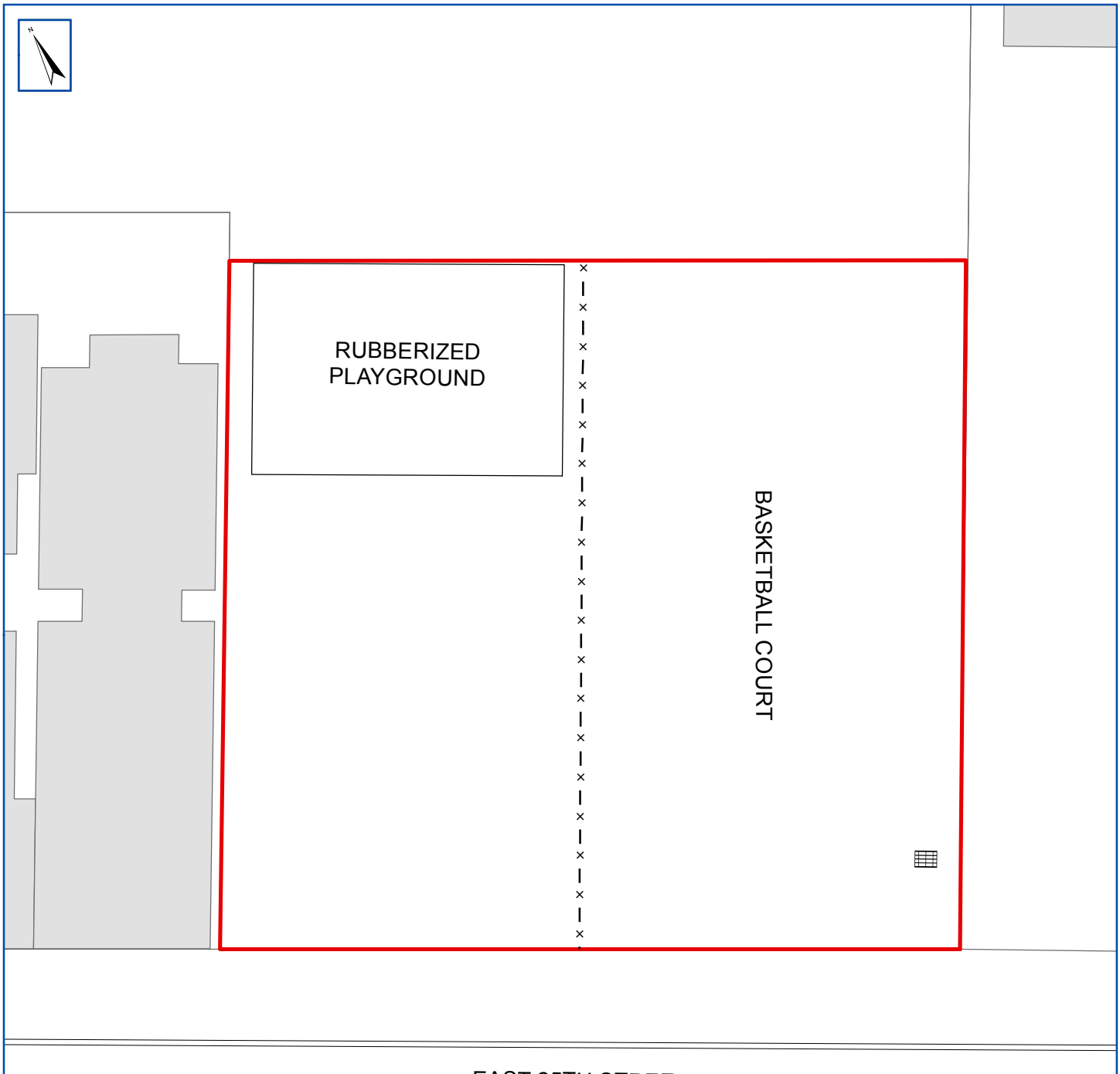
HENRY PHIPPS PLAZA SOUTH (PARCEL 1)
EAST 25TH STREET
NEW YORK, NY

0 ¼ ½ ¾ 1 Miles

PWGC
Strategic Environmental and Engineering Solutions
P.W. GROSSER CONSULTING, INC.
630 Johnson Avenue, • Suite 7
Bohemia • NY • 11716-2618
Phone: (631) 589-6353 • Fax: (631) 589-8705
E-mail: INFO@PWGROSSER.COM

Project:	PHG1301
Date:	9/5/2013
Designed by:	TM
Drawn by:	BB
Approved by:	TM
Figure No:	1

Document Path: D:\GIS\Projects\M-R\PHG\1301\mapfiles\FIG1_VicinityMap.mxd



SITE PLAN

HENRY PHIPPS PLAZA SOUTH (PARCEL 1)
EAST 25TH STREET
NEW YORK, NY

Feet
0 20 40 60 80

PWGC
Strategic Environmental and Engineering Solutions
P.W. GROSSER CONSULTING, INC.
630 Johnson Avenue, • Suite 7
Bohemia • NY • 11716-2618
Phone: (631) 589-6353 • Fax: (631) 589-8705
E-mail: INFO@PWGROSSER.COM

Project:	PHG1301
Date:	9/13/2013
Designed by:	TM
Drawn by:	BB
Approved by:	TM
Figure No:	2

Document Path: D:\GIS\Projects\M-R\PHG\1301\mapfiles\FIG2_SitePlan.mxd

Document Path: D:\GIS\Projects\M-R\PHG1301\mapfiles\FIG3_SurroundingProperties.mxd

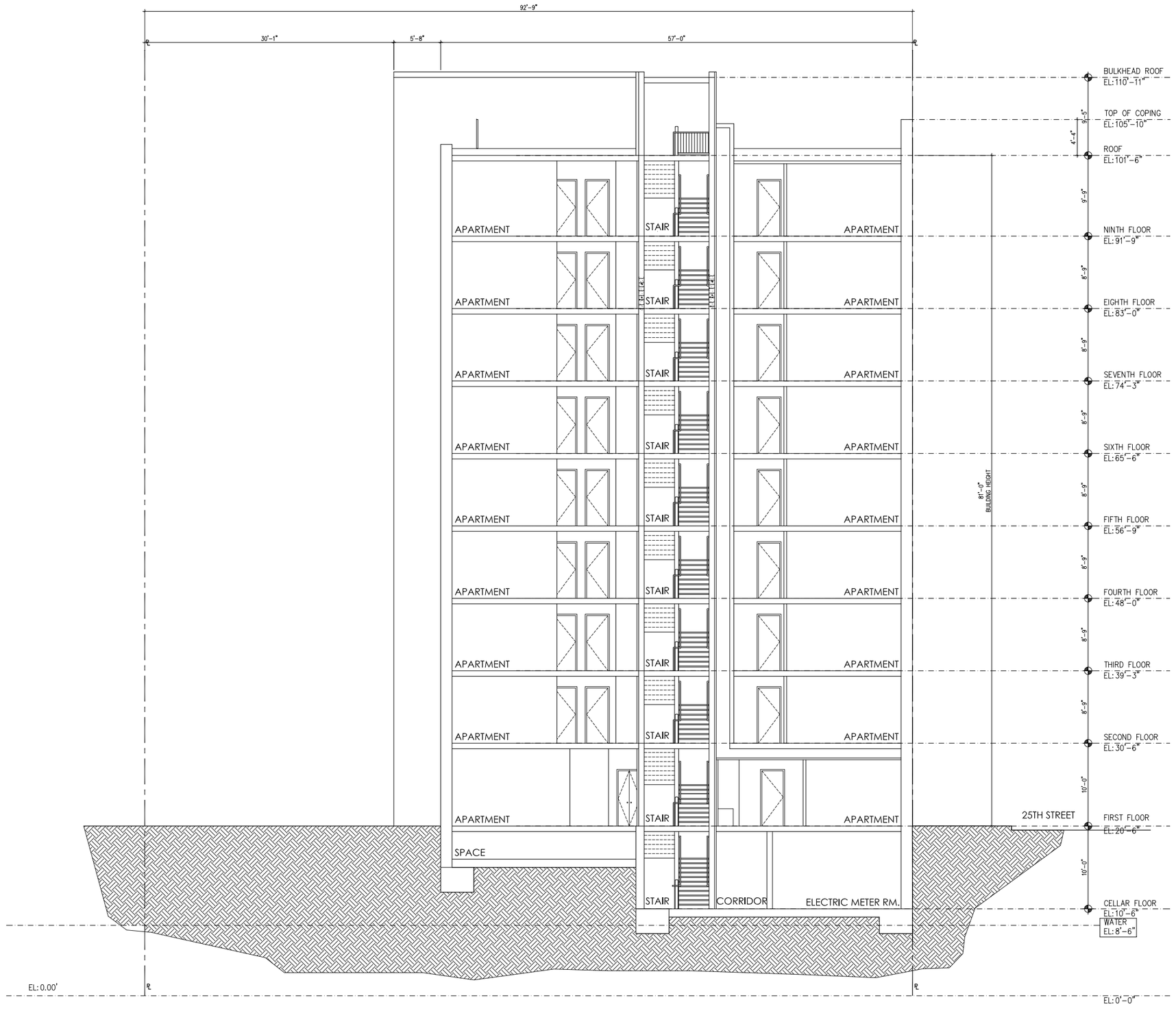
PWGC
Strategic Environmental and Engineering Solutions
P.W. GROSSER CONSULTING, INC.
630 Johnson Avenue, • Suite 7
Bohemia • NY • 11716-2618
Phone: (631) 589-6353 • Fax: (631) 589-8705
E-mail: INFO@PWGROSSER.COM

SURROUNDING PROPERTY USAGE

HENRY PHIPPS PLAZA SOUTH (PARCEL 1)
EAST 25TH STREET
NEW YORK, NY

Feet
0 80 160 240 320

Project:	PHG1301
Date:	9/5/2013
Designed by:	TM
Drawn by:	BB
Approved by:	TM
Figure No:	3



Drawing provided by:
SLCE Architects
1359 Broadway
New York, NY 10018

Document Path: B:\GIS\Projects\M-R\PHG\1301\mapfiles\FIG4_CrossSections\ProposedDevelopment.mxd

PWGC
Strategic Environmental and Engineering Solutions
P.W. GROSSER CONSULTING, INC.
630 Johnson Avenue. • Suite 7
Bohemia • NY • 11716-2618
Phone: (631) 589-6353 • Fax: (631) 589-8705
E-mail: INFO@PWGROSSER.COM

DRAWING PREPARED FOR:

HENRY PHIPPS PLAZA SOUTH HDFC
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

REVISION	DATE	INITIAL	COMMENTS

DRAWING INFORMATION:

Project:	PHG1301	Designed by:	TM
Date:	9/13/2013	Drawn by:	BB
Scale:	AS SHOWN	Approved by:	TM

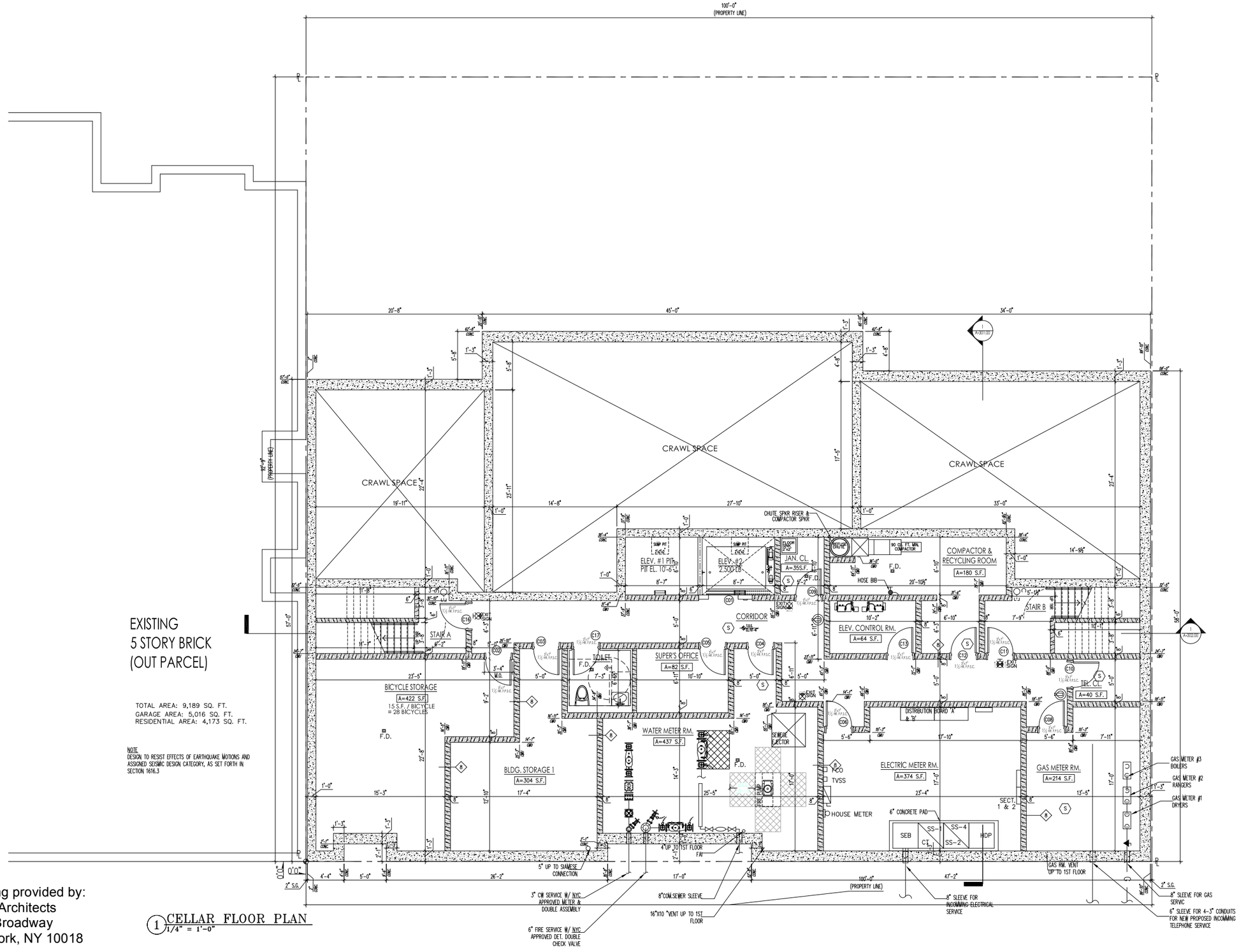
CROSS SECTION OF PROPOSED DEVELOPMENT

HENRY PHIPPS PLAZA SOUTH
(PARCEL 1)
EAST 25TH STREET
NEW YORK, NY

FIGURE NO:

4

SHEET:



1 CELLAR FLOOR PLAN
1/4" = 1'-0"

Drawing provided by:
SLCE Architects
1359 Broadway
New York, NY 10018

Document Path: Z:\GIS\Projects\M-R\PHG\1301\mapfiles\PIC5_CellarFloorPlan.mxd

PWGC
Strategic Environmental and Engineering Solutions
P.W. GROSSER CONSULTING, INC.
630 Johnson Avenue. • Suite 7
Bohemia • NY • 11716-2618
Phone: (631) 589-6353 • Fax: (631) 589-8705
E-mail: INFO@PWGROSSER.COM

DRAWING PREPARED FOR:

HENRY PHIPPS PLAZA SOUTH HDFC
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

REVISION	DATE	INITIAL	COMMENTS

DRAWING INFORMATION:

Project:	PHG1301	Designed by:	TM
Date:	9/27/2013	Drawn by:	BB
Scale:	AS SHOWN	Approved by:	TM

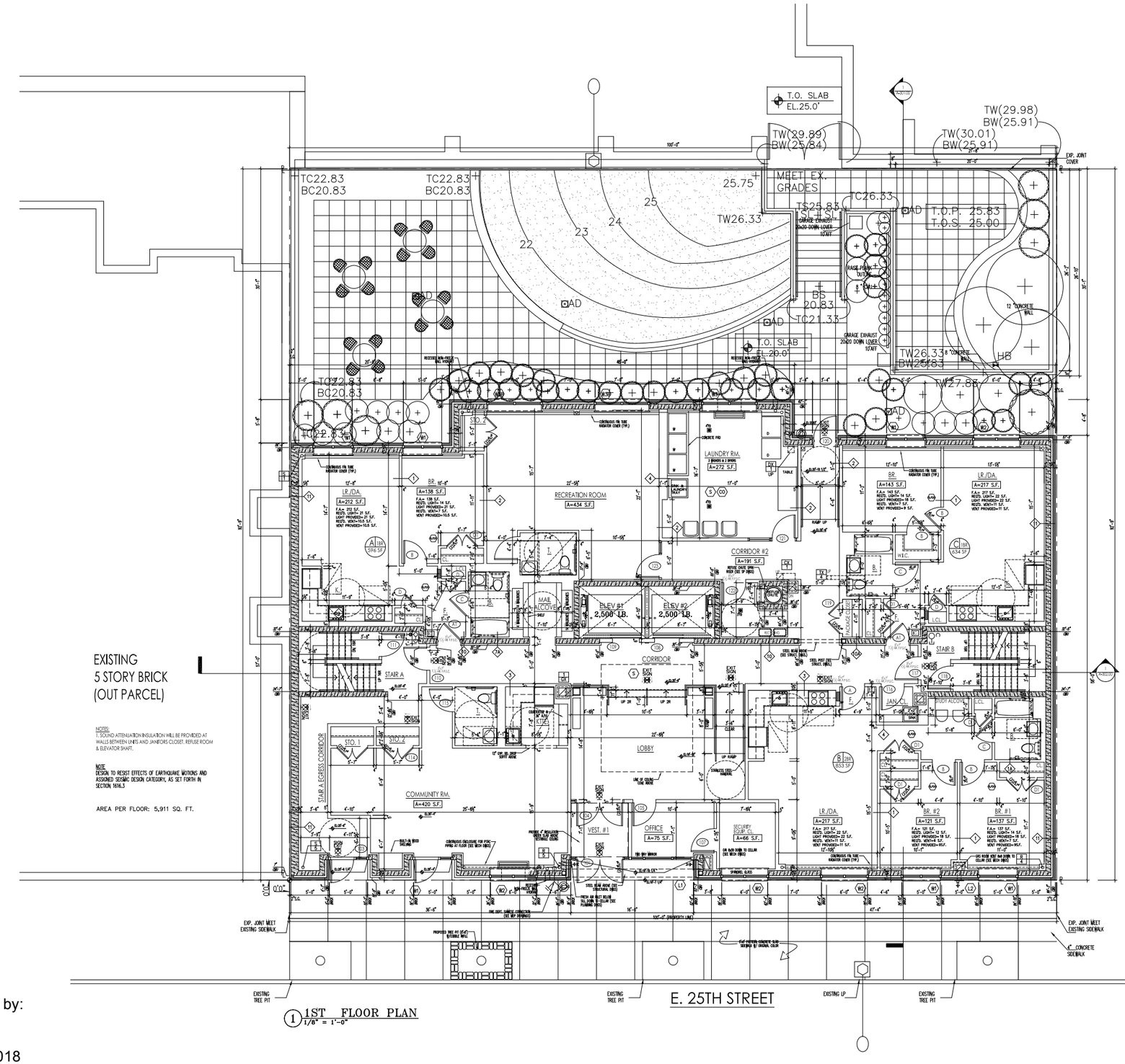
CELLAR FLOOR PLAN

HENRY PHIPPS PLAZA SOUTH
(PARCEL 1)
EAST 25TH STREET
NEW YORK, NY

FIGURE NO:

5

SHEET:



EXISTING
5 STORY BRICK
(OUT PARCEL)

NOTES:
1. SOUND ATTENUATION INSULATION WILL BE PROVIDED AT WALLS BETWEEN UNITS AND JANITORS CLOSET, REFUSE ROOM & ELEVATOR SHAFT.

NOTE
DESIGN TO RESIST EFFECTS OF EARTHQUAKE MOTIONS AND ASSIGNED SEISMIC DESIGN CATEGORY, AS SET FORTH IN SECTION 1616.3

AREA PER FLOOR: 5,911 SQ. FT.

1 1ST FLOOR PLAN
1/8" = 1'-0"

Drawing provided by:
SLCE Architects
1359 Broadway
New York, NY 10018

Document Path: B:\GIS\Projects\M-R\PHG\1301\mapfiles\1FG6 & FirstFloorPlan.mxd

PWGC
Strategic Environmental and Engineering Solutions
P.W. GROSSER CONSULTING, INC.
630 Johnson Avenue. • Suite 7
Bohemia • NY • 11716-2618
Phone: (631) 589-6353 • Fax: (631) 589-8705
E-mail: INFO@PWGROSSER.COM

DRAWING PREPARED FOR:

HENRY PHIPPS PLAZA SOUTH HDFC
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

REVISION	DATE	INITIAL	COMMENTS

DRAWING INFORMATION:

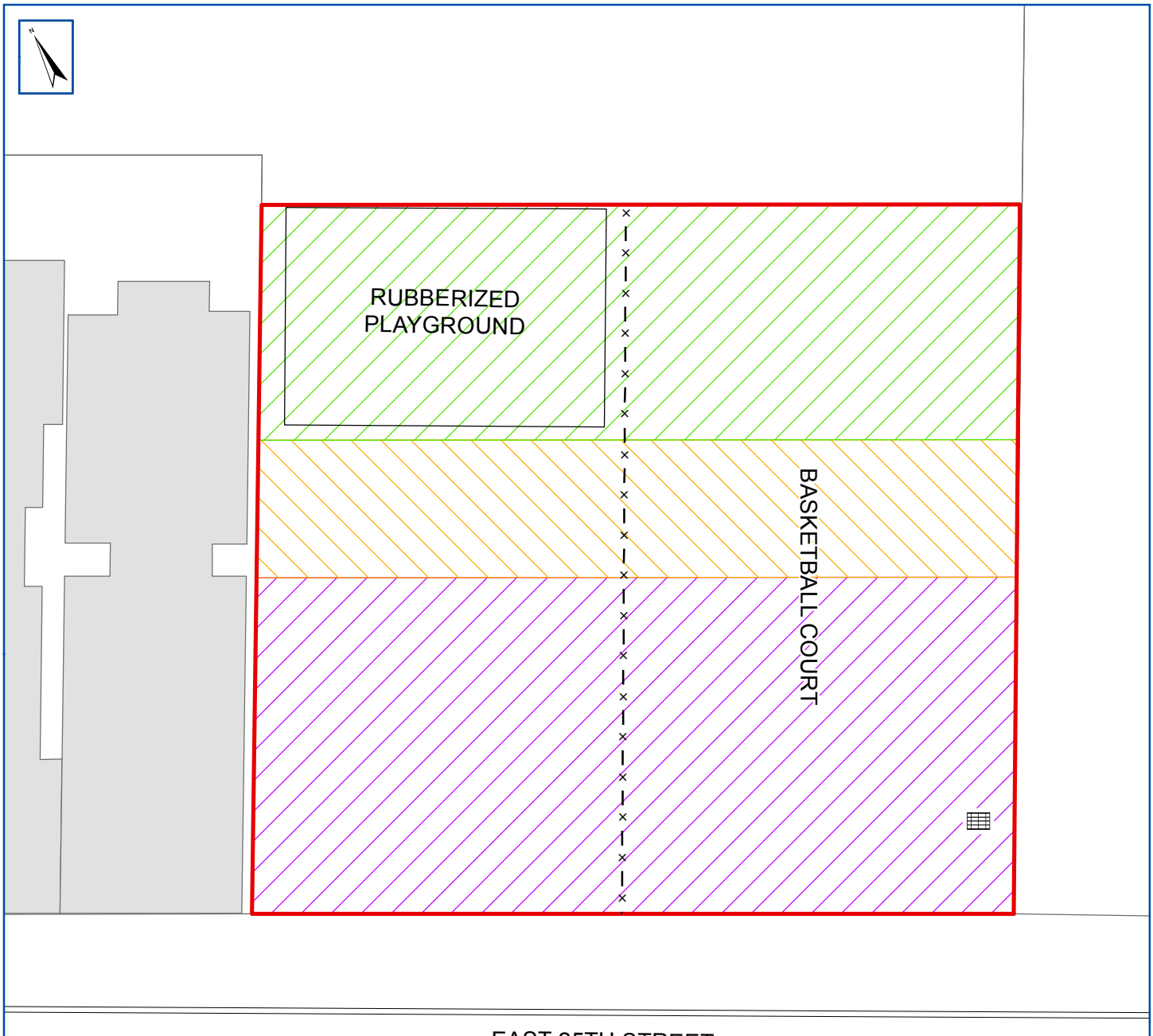
Project:	PHG1301	Designed by:	TM
Date:	9/13/2013	Drawn by:	BB
Scale:	AS SHOWN	Approved by:	TM

1ST FLOOR PLAN

HENRY PHIPPS PLAZA SOUTH
(PARCEL 1)
EAST 25TH STREET
NEW YORK, NY

FIGURE NO:
6

SHEET:



Storm Drain

Fence Line

Excavation to Approx. 2' bgs

Excavation to Approx. 6' bgs

Excavation to Approx 12' bgs

Subject Site

Adjacent Building Footprint

Adjacent Parcels

PWGC
Strategic Environmental and Engineering Solutions
P.W. GROSSER CONSULTING, INC.
630 Johnson Avenue, • Suite 7
Bohemia • NY • 11716-2618
Phone: (631) 589-6353 • Fax: (631) 589-8705
E-mail: INFO@PWGROSSER.COM

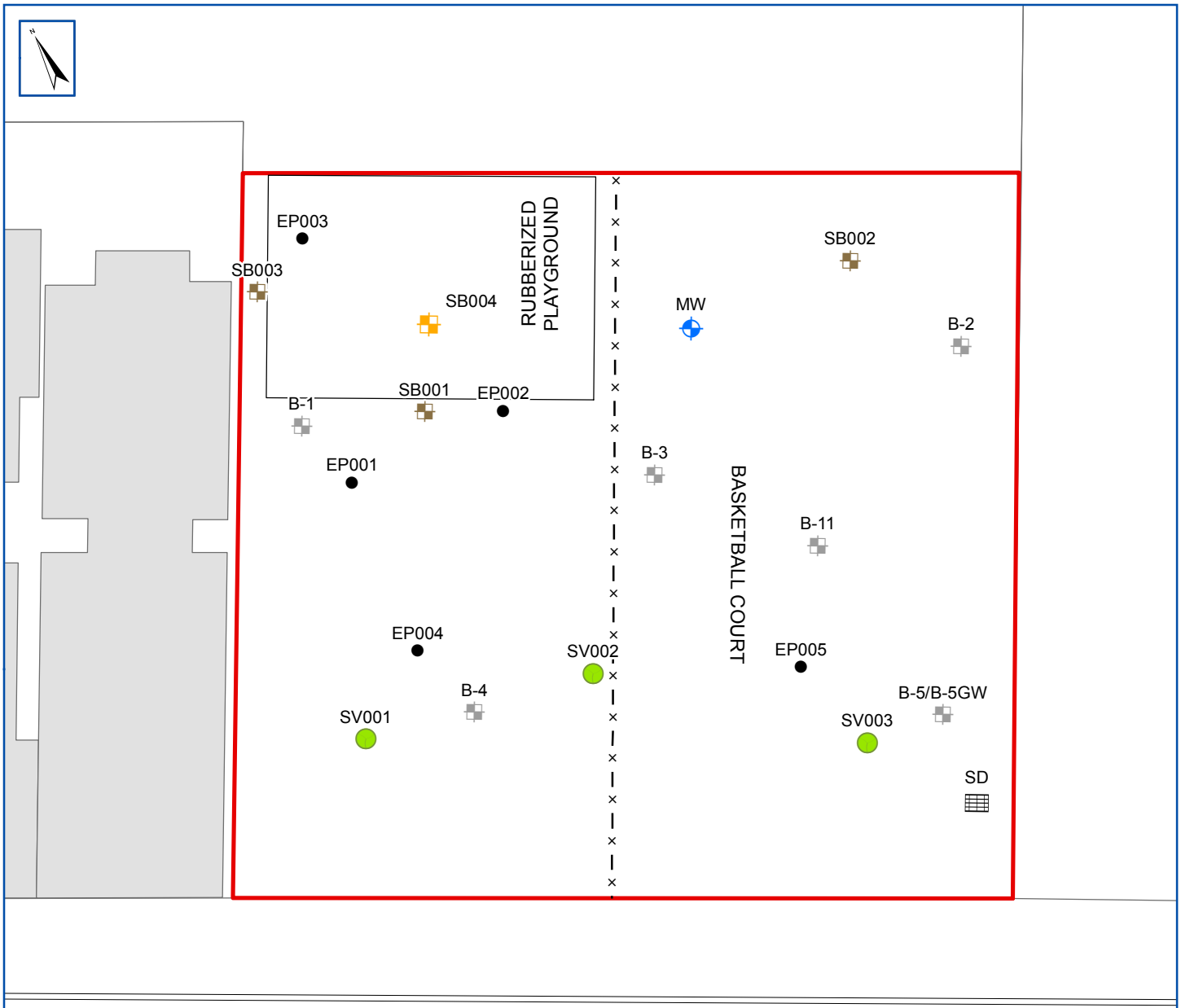
SITE PLAN

HENRY PHIPPS PLAZA SOUTH (PARCEL 1)
EAST 25TH STREET
NEW YORK, NY

0 20 40 60 80 Feet

Project:	PHG1301
Date:	9/13/2013
Designed by:	TM
Drawn by:	BB
Approved by:	TM
Figure No:	7

Document Path: D:\GIS\Projects\M-R\PHG\1301\mapfiles\FIG7_ExcavationPlan.mxd



- Proposed Endpoint Sample Location
- Soil Boring Location (2013)
- Proposed Boring Location (Not Installed)
- Soil Boring Location (2007)
- Soil Vapor Point
- Monitoring Well
- Storm Drain
- Fence Line
- Subject Site
- Adjacent Building Footprint
- Adjacent Parcels

Document Path: Z:\GIS\Projects\M-R\PHG\1301\mapfiles\FIG8_ProposedEndpointSampleLocations.mxd

PWGC
Strategic Environmental and Engineering Solutions
P.W. GROSSER CONSULTING, INC.
630 Johnson Avenue, • Suite 7
Bohemia • NY • 11716-2618
Phone: (631) 589-6353 • Fax: (631) 589-8705
E-mail: INFO@PWGROSSER.COM

PROPOSED ENDPOINT SAMPLE LOCATIONS

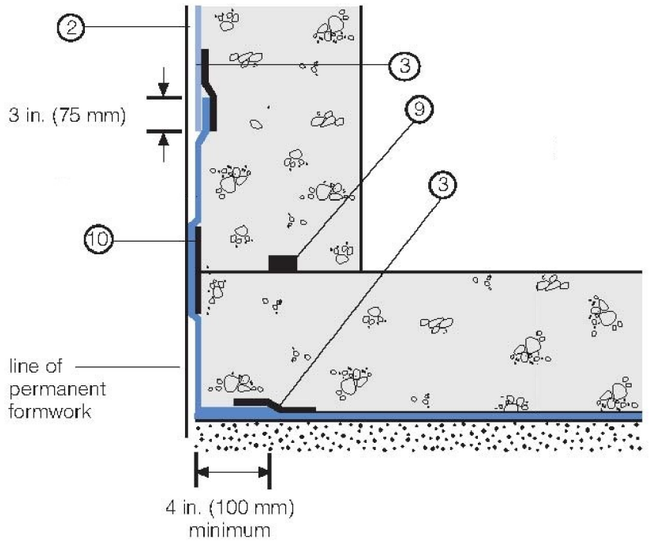
HENRY PHIPPS PLAZA SOUTH (PARCEL 1)
EAST 25TH STREET
NEW YORK, NY

0 20 40 60 80 Feet

Project:	PHG1301
Date:	9/27/2013
Designed by:	TM
Drawn by:	BB
Approved by:	TM
Figure No:	8

PREPRUFE 160R

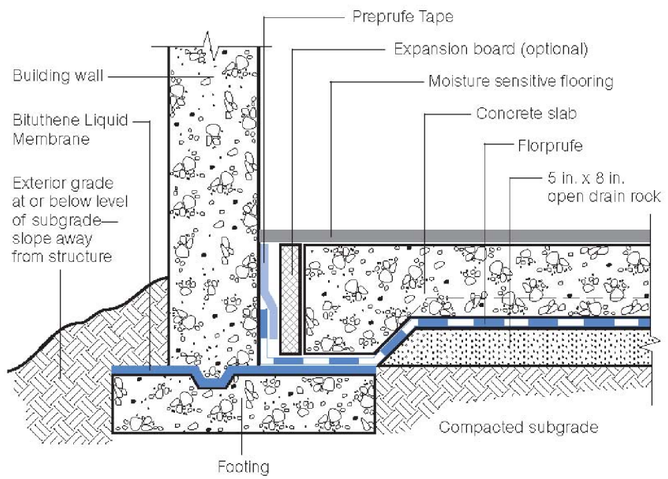
Wall base detail against permanent shutter



2 - Preprufe 160R
3 - Preprufe Tape
4 - Bituthene
5 - Procor
6 - Bituthene Liquid Membrane
7 - Protection
8 - Hydroduct
9 - Adcor ES
10 - Preprufe CJ Tape

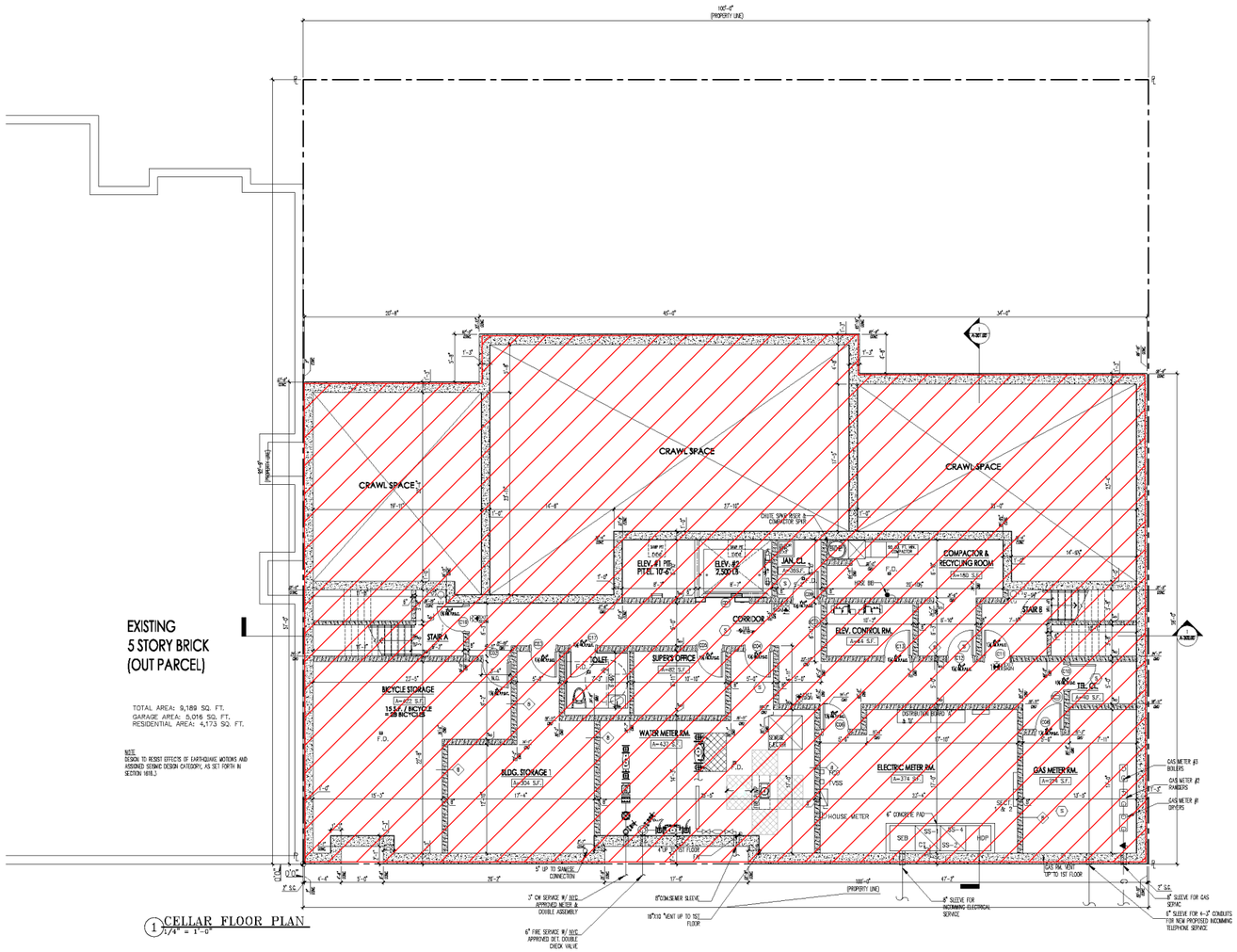
FLOPRUFE 120

Typical Assembly



Drawing provided by:
Grace Construction Products

Connecticut



Extent of Vapor Barrier

Drawing provided by:
SLCE Architects
1359 Broadway
New York, NY 10018

PWGC
Strategic Environmental and Engineering Solutions
P.W. GROSSER CONSULTING, INC.
630 Johnson Avenue. • Suite 7
Bohemia • NY • 11716-2618
Phone: (631) 589-6353 • Fax: (631) 589-8705
E-mail: INFO@PWGROSSER.COM

DRAWING PREPARED FOR:

HENRY PHIPPS PLAZA SOUTH HDFC
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

REVISION	DATE	INITIAL	COMMENTS

DRAWING INFORMATION:

Project:	PHG1301	Designed by:	TM
Date:	9/27/2013	Drawn by:	BB
Scale:	AS SHOWN	Approved by:	TM

VAPOR BARRIER DETAILS

HENRY PHIPPS PLAZA SOUTH
(PARCEL 1)
EAST 25TH STREET
NEW YORK, NY

FIGURE NO:
9

SHEET:

Table 1

Soil Sample Analaytical Data Summary - Volatile Organic Compounds
Henry Phipps Plaza South (Parcel 1) - 14RHAZ082M

LOCATION	CAS	Unrestricted	Restricted	SB002 (2-4')	B-1 (0-2')	B-1 (3-5')	B-2 (0-2')	B-2 (13-15')	B-3 (0-2')	B-3 (13-15')	B-4 (0-2')	B-5 (0-2')	B-5 (13-15')	SD
SAMPLING DATE	Number	Use SCO[1]	Residential SCO[2]	8/22/2013	8/30/2007	8/30/2007	8/30/2007	8/30/2007	8/30/2007	8/30/2007	8/30/2007	8/30/2007	8/30/2007	8/31/2007
LAB SAMPLE ID				L1316532-02	L0712727-01	L0712727-02	L0712727-03	L0712727-04	L0712727-05	L0712727-06	L0712727-07	L0712727-08	L0712727-09	L0712727-20
Volatile Organic Compounds														
1,1,1,2-Tetrachloroethane	630-20-6	NS	NS	0.65 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	71-55-6	680	100000	0.65 U	2.7 U	2.7 U	2.9 U	3 U	2.8 U	2.8 U	2.6 U	2.7 U	2.9 U	2.9 U
1,1,2,2-Tetrachloroethane	79-34-5	NS	NS	0.65 U	2.7 U	2.7 U	2.9 U	3 U	2.8 U	2.8 U	2.6 U	2.7 U	2.9 U	2.9 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NS	NS	NA	54 U	54 U	57 U	60 U	57 U	57 U	53 U	54 U	58 U	58 U
1,1,2-Trichloroethane	79-00-5	NS	NS	0.98 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	75-34-3	270	26000	0.98 U	4.1 U	4.1 U	4.3 U	4.5 U	4.3 U	4.3 U	4 U	4.1 U	4.4 U	4.4 U
1,1-Dichloroethene	75-35-4	330	100000	0.65 U	2.7 U	2.7 U	2.9 U	3 U	2.8 U	2.8 U	2.6 U	2.7 U	2.9 U	2.9 U
1,1-Dichloropropene	563-58-6	NS	NS	3.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	96-18-4	NS	NS	NA	27 U	27 U	29 U	30 U	28 U	28 U	26 U	27 U	29 U	29 U
1,2,4-Trichlorobenzene	120-82-1	NS	NS	3.2 U	14 U	14 U	14 U	15 U	14 U	14 U	13 U	14 U	14 U	14 U
1,2,4-Trimethylbenzene	95-63-6	3600	52000	3.2 U	14 U	14 U	14 U	15 U	14 U	14 U	13 U	14 U	14 U	14 U
1,2,3-Trichlorobenzene	87-61-6	NS	NS	3.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	96-18-4	NS	NS	6.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4,5-Tetramethylbenzene	95-93-2	NS	NS	2.6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	96-12-8	NS	NS	3.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	106-93-4	NS	NS	2.6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	95-50-1	1100	100000	3.2 U	14 U	14 U	14 U	15 U	14 U	14 U	13 U	14 U	14 U	14 U
1,2-Dichloroethane	107-06-2	20	3100	0.65 U	2.7 U	2.7 U	2.9 U	3 U	2.8 U	2.8 U	2.6 U	2.7 U	2.9 U	2.9 U
1,2-Dichloropropane	78-87-5	NS	NS	2.3 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	108-67-8	8400	52000	3.2 U	14 U	14 U	14 U	15 U	14 U	14 U	13 U	14 U	14 U	14 U
1,3-Dichlorobenzene	541-73-1	2400	49000	3.2 U	14 U	14 U	14 U	15 U	14 U	14 U	13 U	14 U	14 U	14 U
1,3-Dichloropropane	142-28-9	NS	NS	3.2 U	14 U	14 U	14 U	15 U	14 U	14 U	13 U	14 U	14 U	14 U
1,4-Dichlorobenzene	106-46-7	1800	13000	3.2 U	14 U	14 U	14 U	15 U	14 U	14 U	13 U	14 U	14 U	14 U
1,4-Diethylbenzene	105-05-5	NS	NS	2.6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dioxane	123-91-1	100	13000	65 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	594-20-7	NS	NS	3.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone	78-93-3	120	100000	6.5 U	27 U	27 U	29 U	30 U	28 U	28 U	26 U	27 U	29 U	29 U
2-Hexanone	591-78-6	NS	NS	6.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Ethyltoluene	622-96-8	NS	NS	2.6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	108-10-1	NS	NS	6.5 U	27 U	27 U	29 U	30 U	28 U	28 U	26 U	27 U	29 U	29 U
Acetone	67-64-1	50	100000	2.4 J	27 U	27 U	29 U	30 U	28 U	28 U	26 U	27 U	29 U	29 U
Acrylonitrile	107-13-1	NS	NS	6.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	71-43-2	60	4800	0.65 U	2.7 U	2.7 U	2.9 U	3 U	2.8 U	2.8 U	2.6 U	2.7 U	2.9 U	2.9 U
Bromobenzene	108-86-1	NS	NS	3.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	74-97-5	NS	NS	3.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	75-27-4	NS	NS	0.65 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	75-25-2	NS	NS	2.6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	74-83-9	NS	NS	1.3 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	75-15-0	NS	NS	6.5 U	27 U	27 U	29 U	30 U	28 U	28 U	26 U	27 U	29 U	29 U
Carbon tetrachloride	56-23-5	760	2400	0.65 U	2.7 U	2.7 U	2.9 U	3 U	2.8 U	2.8 U	2.6 U	2.7 U	2.9 U	2.9 U
Chlorobenzene	108-90-7	1100	100000	0.65 U	2.7 U	2.7 U	2.9 U	3 U	2.8 U	2.8 U	2.6 U	2.7 U	2.9 U	2.9 U
Chloroethane	75-00-3	NS	NS	1.3 U	5.4 U	5.4 U	5.7 U	6 U	5.7 U	5.7 U	5.3 U	5.4 U	5.8 U	5.8 U
Chloroform	67-66-3	370	49000	0.98 U	4.1 U	4.1 U	4.3 U	4.5 U	4.3 U	4.3 U	4 U	4.1 U	4.4 U	4.4 U
Chloromethane	74-87-3	NS	NS	3.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	156-59-2	250	100000	0.65 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	10061-01-5	NS	NS	0.65 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	124-48-1	NS	NS	0.65 U	2.7 U	2.7 U	2.9 U	3 U	2.8 U	2.8 U	2.6 U	2.7 U	2.9 U	2.9 U
Dibromomethane	74-95-3	NS	NS	6.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	75-71-8	NS	NS	6.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethyl ether	60-29-7	NS	NS	3.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	100-41-4	1000	41000	0.65 U	2.7 U	2.7 U	2.9 U	3 U	2.8 U	2.8 U	2.6 U	2.7 U	2.9 U	2.9 U
Hexachlorobutadiene	87-68-3	NS	NS	3.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	98-82-8	NS	NS	0.65 U	2.7 U	2.7 U	2.9 U	3 U	2.8 U	2.8 U	2.6 U	2.7 U	2.9 U	2.9 U
Methyl tert butyl ether	1634-04-4	930	100000	1.3 U	5.4 U	5.4 U	5.7 U	6 U	5.7 U	5.7 U	5.3 U	5.4 U	5.8 U	5.8 U
Methylene chloride	75-09-2	50	100000	6.5 U	27 U	27 U	29 U	30 U	28 U	28 U	26 U	27 U	29 U	29 U
n-Butylbenzene	104-51-8	12000	100000	0.65 U	2.7 U	2.7 U	2.9 U	3 U	2.8 U	2.8 U	2.6 U	2.7 U	2.9 U	2.9 U
n-Propylbenzene	103-65-1	3900	100000	0.65 U	2.7 U	2.7 U	2.9 U	3 U	2.8 U	2.8 U	2.6 U	2.7 U	2.9 U	2.9 U
Naphthalene	91-20-3	12000	100000	3.2 U	14 U	140	14 U	15 U	14 U	14 U	13 U	14 U	14 U	14 U
o-Chlorotoluene	95-49-8	NS	NS	3.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	95-47-6	NS	NS	1.3 U	5.4 U	5.4 U	5.7 U	6 U	5.7 U	5.7 U	5.3 U	5.4 U	5.8 U	5.8 U
p-Chlorotoluene	106-43-4	NS	NS	3.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	99-87-6	NS	NS	0.65 U	2.7 U	2.7 U	2.9 U	3 U	2.8 U	2.8 U	2.6 U	2.7 U	2.9 U	2.9 U
p/m-Xylene	179601-23-1	NS	NS	1.3 U	5.4 U	5.4 U	5.7 U	6 U	5.7 U	5.7 U	5.3 U	5.4 U	5.8 U	5.8 U
sec-Butylbenzene	135-98-8	11000	100000	0.65 U	2.7 U	2.7 U	2.9 U	3 U	2.8 U	2.8 U	2.6 U	2.7 U	2.9 U	2.9 U
Styrene	100-42-5	NS	NS	1.3 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	98-06-6	5900	100000	3.2 U	14 U	14 U	14 U	15 U	14 U	14 U	13 U	14 U	14 U	14 U
Tetrachloroethene	127-18-4	1300	19000	0.65 U	2.7 U	2.7 U	2.9 U	3 U	2.8 U	2.8 U	2.6 U	2.7 U	2.9 U	2.9 U
Toluene	108-88-3	700	100000	0.98 U	4.1 U	4.1 U	4.3 U	4.5 U	4.3 U	4.3 U	4 U	4.1 U	4.4 U	4.4 U
trans-1,2-Dichloroethene	156-60-5	190	100000	0.98 U	4.1 U	4.1 U	4.3 U	4.5 U	4.3 U	4.3 U	4 U	4.1 U	4.4 U	4.4 U
trans-1,3-Dichloropropene	10061-02-6	NS	NS	0.65 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,4-Dichloro-2-butene	110-57-6	NS	NS	3.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	79-01-6	470	21000	0.65 U	2.7 U	2.7 U	2.9 U	3 U	2.8 U	2.8 U	2.6 U	2.7 U	2.9 U	2.9 U
Trichlorofluoromethane	75-69-4	NS	NS	3.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl acetate	108-05-4	NS	NS	6.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	75-01-4	20	900	1.3 U	5.4 U	5.4 U	5.7 U	6 U	5.7 U	5.7 U	5.3 U	5.4 U	5.8 U	5.8 U

Notes:
All Concentrations are ppb (ug/kg)
1 - Unrestricted Use SCO, 6NYCRR Part 375-6, Remediation Program Soil Cleanup Objectives
2 - Restricted Residential SCO, 6NYCRR Part 375-6, Remediation Program Soil Cleanup Objectives
J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL)
U - Not detected at the reported detection limit for the sample.
NS - No standard established
NA - Analyte was not analyzed for
Yellow highlighted values exceed Unrestricted Use SCO
Orange highlighted values exceed Restricted Residential SCO

Table 2

Soil Sample Analaytical Data Summary - Semi-Volatile Organic Compounds
Henry Phipps Plaza South (Parcel 1) - 14RHAZ082M

LOCATION SAMPLING DATE LAB SAMPLE ID	CAS Number	Unrestricted Use SCO[1]	Restricted Residential SCO[2]	SB001 (3-5') 8/22/2013 L1316532-01	SB002 (2-4') 8/22/2013 L1316532-02	SB003 (3-5') 8/22/2013 L1316532-03	B-1 (0-2') 8/30/2007 L0712727-01	B-1 (3-5') 8/30/2007 L0712727-02	B-2 (0-2') 8/30/2007 L0712727-03	B-2 (13-15') 8/30/2007 L0712727-04	B-3 (0-2') 8/30/2007 L0712727-05	B-3 (13-15') 8/30/2007 L0712727-06	B-4 (0-2') 8/30/2007 L0712727-07	B-5 (0-2') 8/30/2007 L0712727-08	B-5 (13-15') 8/30/2007 L0712727-09	SD 8/31/2007 L0712727-20
Semi-Volatile Organic Compounds																
1,2,4,5-Tetrachlorobenzene	95-94-3	NS	NS	1900 U	1800 U	1800 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	120-82-1	NS	NS	1900 U	1800 U	1800 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	95-50-1	1100	100000	1900 U	1800 U	1800 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	541-73-1	2400	49000	1900 U	1800 U	1800 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	106-46-7	1800	13000	1900 U	1800 U	1800 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	95-95-4	NS	NS	1900 U	1800 U	1800 U	1400 U	3600 U	380 U	400 U	3800 U	380 U	3500 U	3600 U	390 U	7800 U
2,4,6-Trichlorophenol	88-06-2	NS	NS	1200 U	1100 U	1100 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	120-83-2	NS	NS	1700 U	1700 U	1600 U	2900 U	7200 U	770 U	790 U	7600 U	760 U	7100 U	7200 U	780 U	16000 U
2,4-Dimethylphenol	105-67-9	NS	NS	1900 U	1800 U	1800 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	51-28-5	NS	NS	9300 U	8900 U	8600 U	5800 U	14000 U	1500 U	1600 U	15000 U	1500 U	14000 U	14000 U	1600 U	31000 U
2,4-Dinitrotoluene	121-14-2	NS	NS	1900 U	1800 U	1800 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	606-20-2	NS	NS	1900 U	1800 U	1800 U	1400 U	3600 U	380 U	400 U	3800 U	380 U	3500 U	3600 U	390 U	7800 U
2-Chloronaphthalene	91-58-7	NS	NS	1900 U	1800 U	1800 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorophenol	95-57-8	NS	NS	1900 U	1800 U	1800 U	1700 U	4300 U	460 U	480 U	4500 U	450 U	4200 U	4300 U	460 U	9300 U
2-Methylnaphthalene	91-57-6	NS	NS	2300 U	2200 U	2200 U	720 U	1800 U	77 U	16 U	380 U	15 U	140 U	140 U	16 U	78 U
2-Methylphenol	95-48-7	330	100000	1900 U	1800 U	1800 U	1700 U	4300 U	460 U	480 U	4500 U	450 U	4200 U	4300 U	460 U	9300 U
2-Nitroaniline	88-74-4	NS	NS	1900 U	1800 U	1800 U	1400 U	3600 U	380 U	400 U	3800 U	380 U	3500 U	3600 U	390 U	7800 U
2-Nitrophenol	88-75-5	NS	NS	4200 U	4000 U	3900 U	5800 U	14000 U	1500 U	1600 U	15000 U	1500 U	14000 U	14000 U	1600 U	31000 U
3,3'-Dichlorobenzidine	91-94-1	NS	NS	1900 U	1800 U	1800 U	2900 U	7200 U	770 U	790 U	7600 U	760 U	7100 U	7200 U	780 U	16000 U
3-Methylphenol/4-Methylphenol	108-39-4	330	100000	2800 U	2700 U	2600 U	1700 U	4300 U	460 U	480 U	4500 U	450 U	4200 U	4300 U	460 U	9300 U
3-Nitroaniline	99-09-2	NS	NS	1900 U	1800 U	1800 U	1400 U	3600 U	380 U	400 U	3800 U	380 U	3500 U	3600 U	390 U	7800 U
4,6-Dinitro-o-cresol	534-52-1	NS	NS	5000 U	4800 U	4700 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	101-55-3	NS	NS	1900 U	1800 U	1800 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloroaniline	106-47-8	NS	NS	1900 U	1800 U	1800 U	1400 U	3600 U	380 U	400 U	3800 U	380 U	3500 U	3600 U	390 U	7800 U
4-Chlorophenyl phenyl ether	7005-72-3	NS	NS	1900 U	1800 U	1800 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	100-01-6	NS	NS	1900 U	1800 U	1800 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	100-02-7	NS	NS	2700 U	2600 U	2500 U	2900 U	7200 U	770 U	790 U	7600 U	760 U	7100 U	7200 U	780 U	16000 U
Acenaphthene	83-32-9	20000	100000	1600 U	1500 U	1300 J	720 U	6700	77 U	16 U	380 U	15 U	140 U	140 U	16 U	78 U
Acenaphthylene	208-96-8	100000	100000	1600 U	2600	790 J	720 U	5000	400	16 U	380 U	15 U	140 U	760	16 U	78 U
Acetophenone	98-86-2	NS	NS	1900 U	1800 U	1800 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aniline	62-53-3	NS	NS	NA	NA	NA	2900 U	7200 U	770 U	790 U	7600 U	760 U	7100 U	7200 U	780 U	16000 U
Anthracene	120-12-7	100000	100000	520 J	2200	3600	6100	20000	300	16 U	1600	59	450	910	16 U	78 U
Benzo(a)anthracene	56-55-3	1000	1000	1400	12000	8200	17000	52000	1300	16 U	4500	260	1400	3300	16 U	78 U
Benzo(a)pyrene	50-32-8	1000	1000	1300 J	11000	7300	12000	34000	1100	16 U	3100	160	1000	2500	16 U	78 U
Benzo(b)fluoranthene	205-99-2	1000	1000	1400	14000	8800	14000	43000	1500	16 U	3800	150	1200	3100	16 U	78 U
Benzo(ghi)perylene	191-24-2	100000	100000	830 J	6700	4300	7400	20000	900	16 U	2400	86	760	1700	16 U	78 U
Benzo(k)fluoranthene	207-08-9	800	3900	860 J	6200	4300	9100	24000	850	16 U	2300	91	780	1800	16 U	78 U
Benzoic Acid	65-85-0	NS	NS	6300 U	6000 U	5800 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzyl Alcohol	100-51-6	NS	NS	1900 U	1800 U	1800 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biphenyl	92-52-4	NS	NS	4400 U	4200 U	4100 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	111-91-1	NS	NS	2100 U	2000 U	1900 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bis(2-chloroethyl)ether	111-44-4	NS	NS	1700 U	1700 U	1600 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bis(2-chloroisopropyl)ether	108-60-1	NS	NS	2300 U	2200 U	2200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bis(2-Ethylhexyl)phthalate	117-81-7	NS	NS	660 J	540 J	1800 U	7200	7200 U	770 U	790 U	98000	760 U	7100 U	7200 U	780 U	16000 U
Butyl benzyl phthalate	85-68-7	NS	NS	1900 U	1800 U	1800 U	1400 U	3600 U	380 U	400 U	3800 U	380 U	3500 U	3600 U	390 U	7800 U
Carbazole	86-74-8	NS	NS	1900 U	740 J	1600 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	218-01-9	1000	3900	1600	13000	8600	15000	41000	1200	16 U	3700	270	1100	2900	16 U	78 U
Di-n-butylphthalate	84-74-2	NS	NS	1900 U	1800 U	1800 U	1400 U	3600 U	380 U	400 U	3800 U	380 U	3500 U	3600 U	390 U	7800 U
Di-n-octylphthalate	117-84-0	NS	NS	1900 U	1800 U	1800 U	1400 U	3600 U	380 U	400 U	3800 U	380 U	3500 U	3600 U	390 U	7800 U
Dibenzo(a,h)anthracene	53-70-3	330	330	1200 U	1900	1000 J	2600	6800	290	16 U	1000	41	360	600	16 U	78 U
Dibenzofuran	132-64-9	7000	59000	1900 U	1800 U	1000 J	1400 U	5500	380 U	400 U	3800 U	380 U	3500 U	3600 U	390 U	7800 U
Diethyl phthalate	84-66-2	NS	NS	1900 U	1800 U	1800 U	1400 U	3600 U	380 U	400 U	3800 U	380 U	3500 U	3600 U	390 U	7800 U
Dimethyl phthalate	131-11-3	NS	NS	1900 U	1800 U	1800 U	1400 U	3600 U	380 U	400 U	3800 U	380 U	3500 U	3600 U	390 U	7800 U
Fluoranthene	206-44-0	100000	100000	3100	22000	20000	34000	100000	1600	16 U	6500	240	2000	4900	16 U	78 U
Fluorene	86-73-7	30000	100000	1900 U	1800 U	1200 J	720 U	7500	77 U	16 U	380 U	15 U	140 U	140 U	16 U	78 U
Hexachlorobenzene	118-74-1	330	1200	1200 U	1100 U	1100 U	2900 U	7200 U	310 U	63 U	1500 U	61 U	570 U	580 U	62 U	310 U
Hexachlorobutadiene	87-68-3	NS	NS	1900 U	1800 U	1800 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	77-47-4	NS	NS	5600 U	5300 U	5200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	67-72-1	NS	NS	1600 U	1500 U	1400 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)Pyrene	193-39-5	500	500	820 J	6900	4300	7500	21000	830	16 U	2100	76	780	1600	16 U	78 U
Isophorone	78-59-1	NS	NS	1700 U	1700 U	1600 U	1400 U	3600 U	380 U	400 U	3800 U	380 U	3500 U	3600 U	390 U	7800 U
n-Nitrosodi-n-propylamine	621-64-7	NS	NS	1900 U	1800 U	1800 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	91-20-3	12000	100000	1900 U	1800 U	1200 J	720 U	4800	77 U	16 U	380 U	15 U	140 U	140 U	16 U	78 U
Nitrobenzene	98-95-3	NS	NS	1700 U	1700 U	1600 U	1400 U	3600 U	380 U	400 U	3800 U	380 U	3500 U	3600 U	390 U	7800 U
NitrosoDiPhenylAmine(NDPA)/DPA	86-30-6	NS	NS	1600 U	1500 U	1400 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
P-Chloro-M-Cresol	59-50-7	NS	NS	1900 U	1800 U	1800 U	1400 U	3600 U	380 U	400 U	3800 U	380 U	3500 U	3600 U	390 U	7800 U
Pentachlorophenol	87-86-5	800	6700	1600 U	1500 U	1400 U	2900 U	7200 U	310 U	63 U	1500 U	61 U	570 U	580 U	62 U	310 U
Phenanthrene	85-01-8	100000	100000	2200	12000	16000	20000	75000	470	16 U	3800	220	700	2200	16 U	78 U
Phenol	108-95-2	330	100000	1900 U	1800 U	1800 U	2000 U	5100 U	540 U	560 U	5300 U	530 U	5000 U	5100 U	540 U	11000 U
Pyrene	129-00-0	100000	100000	2700	21000	17000	29000	82000	1500	16 U	6700	420	1800	4600	16 U	78 U
Total SVOCs in ppm (mg/kg)	N/A	250*	N/A	17.4	132.8	110.5	180.9	548.3	12.2	ND	139.5	1.7	11.6	30.9	ND	ND

Notes:
All Concentrations are ppb (ug/kg), except as noted
1 - Unrestricted Use SCO, 6NYCRR Part 375-6, Remediation Program Soil Cleanup Objectives
2 - Restricted Residential SCO, 6NYCRR Part 375-6, Remediation Program Soil Cleanup Objectives
* - Value represents a Site Specific SCO for total SVOCs specified by NYCOER
J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL)
U - Not detected at the reported detection limit for the sample.
NS - No standard established
NA - Analyte was not analyzed for
N/A - Not applicable
ND - Not detected
Yellow highlighted values exceed Unrestricted Use SCO
Orange highlighted values exceed Restricted Residential SCO

Table 3

Soil Sample Analaytical Data Summary - Pesticides and Polychlorinated Biphenyls
Henry Phipps Plaza South (Parcel 1) - 14RHAZ082M

LOCATION SAMPLING DATE LAB SAMPLE ID	CAS Number	Unrestricted Use SCO[1]	Restricted Residential SCO[2]	SB002 (2-4') 8/22/2013 L1316532-02	B-1 (0-2') 8/30/2007 L0712727-01	B-1 (3-5') 8/30/2007 L0712727-02	B-2 (0-2') 8/30/2007 L0712727-03	B-2 (13-15') 8/30/2007 L0712727-04	B-3 (0-2') 8/30/2007 L0712727-05	B-3 (13-15') 8/30/2007 L0712727-06	B-4 (0-2') 8/30/2007 L0712727-07	B-5 (0-2') 8/30/2007 L0712727-08	B-5 (13-15') 8/30/2007 L0712727-09
Pesticides													
4,4'-DDD	72-54-8	3.3	13000	35.1 U	72.5 U	72.5 U	76.6 U	3.97 U	75.8 U	3.79 U	355 U	72.5 U	3.88 U
4,4'-DDE	72-55-9	3.3	8900	26.4 J	72.5 U	72.5 U	76.6 U	3.97 U	75.8 U	3.79 U	355 U	72.5 U	3.88 U
4,4'-DDT	50-29-3	3.3	7900	165	109	72.5 U	76.6 U	3.97 U	104	3.79 U	355 U	72.5 U	3.88 U
Aldrin	309-00-2	5	97	35.1 U	72.5 U	72.5 U	76.6 U	3.97 U	75.8 U	3.79 U	355 U	72.5 U	3.88 U
Alpha-BHC	319-84-6	20	480	14.6 U	72.5 U	72.5 U	76.6 U	3.97 U	75.8 U	3.79 U	355 U	72.5 U	3.88 U
Beta-BHC	319-85-7	36	360	35.1 U	72.5 U	72.5 U	76.6 U	3.97 U	75.8 U	3.79 U	355 U	72.5 U	3.88 U
Chlordane	57-74-9	NS	NS	285 U	290 U	290 U	306 U	15.9 U	303 U	15.2 U	1420 U	290 U	15.5 U
cis-Chlordane	5103-71-9	94	4200	30.1 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
Delta-BHC	319-86-8	40	100000	35.1 U	72.5 U	72.5 U	76.6 U	3.97 U	75.8 U	3.79 U	355 U	72.5 U	3.88 U
Dieldrin	60-57-1	5	200	21.9 U	72.5 U	72.5 U	76.6 U	3.97 U	75.8 U	3.79 U	355 U	72.5 U	3.88 U
Endosulfan I	959-98-8	2400	24000	35.1 U	72.5 U	72.5 U	76.6 U	3.97 U	75.8 U	3.79 U	355 U	72.5 U	3.88 U
Endosulfan II	33213-65-9	2400	24000	35.1 U	72.5 U	72.5 U	76.6 U	3.97 U	75.8 U	3.79 U	355 U	72.5 U	3.88 U
Endosulfan sulfate	1031-07-8	2400	24000	14.6 U	72.5 U	72.5 U	76.6 U	3.97 U	75.8 U	3.79 U	355 U	72.5 U	3.88 U
Endrin	72-20-8	14	11000	14.6 U	72.5 U	72.5 U	76.6 U	3.97 U	75.8 U	3.79 U	355 U	72.5 U	3.88 U
Endrin ketone	53494-70-5	NS	NS	35.1 U	72.5 U	72.5 U	76.6 U	3.97 U	75.8 U	3.79 U	355 U	72.5 U	3.88 U
Heptachlor	76-44-8	42	2100	17.5 U	72.5 U	72.5 U	76.6 U	3.97 U	75.8 U	3.79 U	355 U	72.5 U	3.88 U
Heptachlor epoxide	1024-57-3	NS	NS	65.8 U	72.5 U	72.5 U	76.6 U	3.97 U	75.8 U	3.79 U	355 U	72.5 U	3.88 U
Lindane	58-89-9	100	1300	14.6 U	72.5 U	72.5 U	76.6 U	3.97 U	75.8 U	3.79 U	355 U	72.5 U	3.88 U
Methoxychlor	72-43-5	NS	NS	65.8 U	290 U	290 U	306 U	15.9 U	303 U	15.2 U	1420 U	290 U	15.5 U
Toxaphene	8001-35-2	NS	NS	658 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-Chlordane	5103-74-2	NS	NS	43.8 U	72.5 U	72.5 U	76.6 U	3.97 U	75.8 U	3.79 U	355 U	72.5 U	3.88 U
Polychloriniated Biphenyls													
Aroclor 1016	12674-11-2	100	1000	36.1 U	36.2 U	36.2 U	38.3 U	39.7 U	37.9 U	37.9 U	35.5 U	36.2 U	38.8 U
Aroclor 1221	11104-28-2	100	1000	36.1 U	36.2 U	36.2 U	38.3 U	39.7 U	37.9 U	37.9 U	35.5 U	36.2 U	38.8 U
Aroclor 1232	11141-16-5	100	1000	36.1 U	36.2 U	36.2 U	38.3 U	39.7 U	37.9 U	37.9 U	35.5 U	36.2 U	38.8 U
Aroclor 1242	53469-21-9	100	1000	36.1 U	36.2 U	36.2 U	38.3 U	39.7 U	37.9 U	37.9 U	35.5 U	36.2 U	38.8 U
Aroclor 1248	12672-29-6	100	1000	36.1 U	36.2 U	36.2 U	38.3 U	39.7 U	37.9 U	37.9 U	35.5 U	36.2 U	38.8 U
Aroclor 1254	11097-69-1	100	1000	36.1 U	77.1	50.8	38.3 U	39.7 U	37.9 U	37.9 U	35.5 U	36.2 U	38.8 U
Aroclor 1260	11096-82-5	100	1000	36.1 U	36.2 U	36.2 U	38.3 U	39.7 U	37.9 U	37.9 U	35.5 U	36.2 U	38.8 U
Aroclor 1262	37324-23-5	100	1000	36.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1268	11100-14-4	100	1000	36.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
All Concentrations are ppb (ug/kg)
1 - Unrestricted Use SCO, 6NYCRR Part 375-6, Remediation Program Soil Cleanup Objectives
2 - Restricted Residential SCO, 6NYCRR Part 375-6, Remediation Program Soil Cleanup Objectives
J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL).
U - Not detected at the reported detection limit for the sample.
NS - No standard established
NA - Analyte was not analyzed for
Yellow highlighted values exceed Unrestricted Use SCO
Orange highlighted values exceed Restricted Residential SCO

Table 4

Soil Sample Analaytical Data Summary - Total Metals
Henry Phipps Plaza South (Parcel 1) - 14RHAZ082M

LOCATION	CAS	Unrestricted	Restricted	SB001 (3-5')	SB002 (2-4')	SB003 (3-5')	B-1 (0-2')	B-1 (3-5')	B-2 (0-2')	B-2 (13-15')	B-3 (0-2')	B-3 (13-15')	B-4 (0-2')	B-5 (0-2')	B-5 (13-15')	SD
SAMPLING DATE	Number	Use SCO[1]	Residential	8/22/2013	8/22/2013	8/22/2013	8/30/2007	8/30/2007	8/30/2007	8/30/2007	8/30/2007	8/30/2007	8/30/2007	8/30/2007	8/30/2007	8/31/2007
LAB SAMPLE ID			SCO[2]	L1316532-01	L1316532-02	L1316532-03	L0712727-01	L0712727-02	L0712727-03	L0712727-04	L0712727-05	L0712727-06	L0712727-07	L0712727-08	L0712727-09	L0712727-20
Metals																
Aluminum, Total	7429-90-5	NS	NS	NA	6600	NA	9000	8000	9300	3700	7100	6800	6200	7600	4600	2900
Antimony, Total	7440-36-0	NS	NS	NA	1 J	NA	2.2 U	22	2.3 U	2.4 U	2.2 U	2.3 U	2.1 U	2.1 U	2.3 U	2.3 U
Arsenic, Total	7440-38-2	13	16	NA	6.8	NA	15	11	5.8	1.4	2.1	2	2.9	4.7	2.5	4
Barium, Total	7440-39-3	350	400	NA	520	NA	160	180	190	16	65	63	110	210	26	30
Beryllium, Total	7440-41-7	7.2	72	NA	0.22 J	NA	0.63	0.51	0.62	0.24 U	0.6	0.45 U	0.4	0.63	0.36	0.23
Cadmium, Total	7440-43-9	2.5	4.3	NA	0.95	NA	0.43 U	0.58	0.46 U	0.48 U	0.44 U	0.45 U	0.42 U	0.43 U	0.46 U	0.46 U
Calcium, Total	7440-70-2	NS	NS	NA	40000	NA	15000	37000	10000	670	6400	6500	19000	23000	690	2900
Chromium, Total	7440-47-3	180	30	NA	14	NA	23	19	13	11	15	15	7.6	14	10	27
Cobalt, Total	7440-48-4	NS	NS	NA	4.6	NA	6.8	4.6	8.4	3.7	6.1	7	8.6	8.2	5.1	12
Copper, Total	7440-50-8	50	270	NA	28	NA	49	48	67	6.9	24	22	74	62	14	230
Iron, Total	7439-89-6	NS	NS	NA	11000	NA	16000	42000	20000	6000	14000	14000	21000	18000	12000	27000
Lead, Total	7439-92-1	63	400	1300	830	1900	180	3900	140	7	10	9.9	78	210	4.4	110
Magnesium, Total	7439-95-4	NS	NS	NA	3000	NA	2800	2300	3500	1600	3900	3800	5100	5600	1900	1700
Manganese, Total	7439-96-5	1600	2000	NA	200	NA	260	330	260	53	210	210	190	250	130	150
Mercury, Total	7439-97-6	0.18	0.81	NA	0.5	NA	0.37	0.3	0.22	0.1 U	0.21	0.08 U	0.12	0.46	0.09 U	0.44
Nickel, Total	7440-02-0	30	310	NA	12	NA	14	14	11	7.3	13	12	9.1	20	11	25
Potassium, Total	7440-09-7	NS	NS	NA	920	NA	1700	1500	1600	520	2900	2800	950	1600	950	860
Selenium, Total	7782-49-2	3.9	180	NA	0.5 J	NA	2.2 U	2.2 U	2.3 U	2.4 U	2.2 U	0.9 U	2.1 U	2.1 U	2.3 U	2.3 U
Silver, Total	7440-22-4	2	180	NA	0.87 U	NA	0.43 U	0.43 U	0.46 U	0.48 U	0.44 U	0.45 U	0.42 U	0.43 U	0.46 U	0.46 U
Sodium, Total	7440-23-5	NS	NS	NA	580	NA	610	870	440	160	89 U	90 U	500	610	170	280
Thallium, Total	7440-28-0	NS	NS	NA	1.7 U	NA	2.2 U	2.2 U	2.3 U	2.4 U	2.2 U	0.9 U	2.1 U	2.1 U	2.3 U	2.3 U
Vanadium, Total	7440-62-2	NS	NS	NA	24	NA	33	24	51	12	21	21	51	48	15	43
Zinc, Total	7440-66-6	109	10000	NA	500	NA	200	230	130	20	34	28	100	180	25	2700

Notes:
All Concentrations are ppm (mg/kg)
1 - Unrestricted Use SCO, 6NYCRR Part 375-6, Remediation Program Soil Cleanup Objectives
2 - Restricted Residential SCO, 6NYCRR Part 375-6, Remediation Program Soil Cleanup Objectives
J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL).
U - Not detected at the reported detection limit for the sample.
NS - No standard established
NA - Analyte was not analyzed for
Yellow highlighted values exceed Unrestricted Use SCO
Orange highlighted values exceed Restricted Residential SCO

Table 5

Groundwater Sample Analaytical Data Summary - Volatile Organic Compounds
Henry Phipps Plaza South (Parcel 1) - 14RHAZ082M

LOCATION SAMPLING DATE LAB SAMPLE ID	CAS Number	AWQS[1]	B-5 GW 8/30/2007 L0712727-10	MW 8/30/2007 L0712727-11	MW 8/23/2013 L1316532-04	FIELD BLANK 8/23/2013 L1316532-05
Volatile Organic Compounds						
1,1,1,2-Tetrachloroethane	630-20-6	5	NA	NA	2.5 U	2.5 U
1,1,1-Trichloroethane	71-55-6	5	0.5 U	0.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	79-34-5	5	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	5	10 U	10 U	NA	NA
1,1,2-Trichloroethane	79-00-5	1	NA	NA	1.5 U	1.5 U
1,1-Dichloroethane	75-34-3	5	0.75 U	0.75 U	2.5 U	2.5 U
1,1-Dichloroethene	75-35-4	5	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	563-58-6	5	NA	NA	2.5 U	2.5 U
1,2,3-Trichlorobenzene	87-61-6	5	NA	NA	2.5 U	2.5 U
1,2,3-Trichloropropane	96-18-4	0.04	5 U	5 U	2.5 U	2.5 U
1,2,4,5-Tetramethylbenzene	95-93-2	NS	NA	NA	2 U	2 U
1,2,4-Trichlorobenzene	120-82-1	5	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	95-63-6	5	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-chloropropane	96-12-8	0.04	NA	NA	2.5 U	2.5 U
1,2-Dibromoethane	106-93-4	0.0006	NA	NA	2 U	2 U
1,2-Dichlorobenzene	95-50-1	3	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	107-06-2	0.6	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	78-87-5	1	NA	NA	1 U	1 U
1,3,5-Trimethylbenzene	108-67-8	5	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	541-73-1	3	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane	142-28-9	5	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	106-46-7	3	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Diethylbenzene	105-05-5	NS	NA	NA	2 U	2 U
1,4-Dioxane	123-91-1	NS	NA	NA	250 U	250 U
2,2-Dichloropropane	594-20-7	5	NA	NA	2.5 U	2.5 U
2-Butanone	78-93-3	50	5 U	5 U	5 U	5 U
2-Hexanone	591-78-6	50	NA	NA	5 U	5 U
4-Ethyltoluene	622-96-8	NS	NA	NA	2 U	2 U
4-Methyl-2-pentanone	108-10-1	NS	5 U	5 U	5 U	5 U
Acetone	67-64-1	50	5.4	5 U	5 U	5 U
Acrylonitrile	107-13-1	5	NA	NA	5 U	5 U
Benzene	71-43-2	1	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene	108-86-1	5	NA	NA	2.5 U	2.5 U
Bromochloromethane	74-97-5	5	NA	NA	2.5 U	2.5 U
Bromodichloromethane	75-27-4	50	NA	NA	0.5 U	0.5 U
Bromoform	75-25-2	50	NA	NA	2 U	2 U
Bromomethane	74-83-9	5	NA	NA	2.5 U	2.5 U
Carbon disulfide	75-15-0	60	5 U	5 U	5 U	5 U
Carbon tetrachloride	56-23-5	5	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	108-90-7	5	0.5 U	0.5 U	2.5 U	2.5 U
Chloroethane	75-00-3	5	1 U	1 U	2.5 U	2.5 U
Chloroform	67-66-3	7	0.75 U	0.75 U	2.5 U	2.5 U
Chloromethane	74-87-3	NS	NA	NA	2.5 U	2.5 U
cis-1,2-Dichloroethene	156-59-2	5	NA	NA	2.5 U	2.5 U
cis-1,3-Dichloropropene	10061-01-5	0.4	NA	NA	0.5 U	0.5 U
Dibromochloromethane	124-48-1	50	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	74-95-3	5	NA	NA	5 U	5 U
Dichlorodifluoromethane	75-71-8	5	NA	NA	5 U	5 U
Ethyl ether	60-29-7	NS	NA	NA	2.5 U	2.5 U
Ethylbenzene	100-41-4	5	0.5 U	0.5 U	2.5 U	2.5 U
Hexachlorobutadiene	87-68-3	0.5	NA	NA	2.5 U	2.5 U
Isopropylbenzene	98-82-8	5	0.5 U	0.5 U	2.5 U	2.5 U
Methyl tert butyl ether	1634-04-4	10	1 U	1 U	2.5 U	2.5 U
Methylene chloride	75-09-2	5	5 U	5 U	2.5 U	2.5 U
n-Butylbenzene	104-51-8	5	0.5 U	0.5 U	2.5 U	2.5 U
n-Propylbenzene	103-65-1	5	0.5 U	0.5 U	2.5 U	2.5 U
Naphthalene	91-20-3	10	2.5 U	2.5 U	2.5 U	2.5 U
o-Chlorotoluene	95-49-8	5	NA	NA	2.5 U	2.5 U
o-Xylene	95-47-6	5	1 U	1 U	2.5 U	2.5 U
p-Chlorotoluene	106-43-4	5	NA	NA	2.5 U	2.5 U
p-Isopropyltoluene	99-87-6	5	0.5 U	0.5 U	2.5 U	2.5 U
p/m-Xylene	179601-23-1	5	1 U	1 U	2.5 U	2.5 U
sec-Butylbenzene	135-98-8	5	0.5 U	0.5 U	2.5 U	2.5 U
Styrene	100-42-5	5	NA	NA	2.5 U	2.5 U
tert-Butylbenzene	98-06-6	5	2.5 U	2.5 U	2.5 U	2.5 U
Tetrachloroethene	127-18-4	5	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	108-88-3	5	0.75 U	0.75 U	2.5 U	2.5 U
trans-1,2-Dichloroethene	156-60-5	5	0.75 U	0.75 U	2.5 U	2.5 U
trans-1,3-Dichloropropene	10061-02-6	0.4	NA	NA	0.5 U	0.5 U
trans-1,4-Dichloro-2-butene	110-57-6	5	NA	NA	2.5 U	2.5 U
Trichloroethene	79-01-6	5	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	75-69-4	5	NA	NA	2.5 U	2.5 U
Vinyl acetate	108-05-4	NS	NA	NA	5 U	5 U
Vinyl chloride	75-01-4	2	1 U	1 U	1 U	1 U

Notes:
All Concentrations are ppb (ug/L)
1 - Ambient Water Quality Standard, NYSDEC TOGS 1.1.1, Ambient Water Quality Standards and Groundwater Effluent Limitations
J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL).
U - Not detected at the reported detection limit for the sample.
NS - No standard established
NA - Analyte was not analyzed for
Yellow highlighted values exceed AWQS

Table 6

Groundwater Sample Analaytical Data Summary - Semi-Volatile Organic Compounds
Henry Phipps Plaza South (Parcel 1) - 14RHAZ082M

LOCATION SAMPLING DATE LAB SAMPLE ID	CAS Number	AWQS[1]	B-5 GW 8/30/2007 L0712727-10	MW 8/30/2007 L0712727-11	MW 8/23/2013 L1316532-04	FIELD BLANK 8/23/2013 L1316532-05
Semi-Volatile Organic Compounds						
1,2,4,5-Tetrachlorobenzene	95-94-3	5	NA	NA	10 U	10 U
1,2,4-Trichlorobenzene	120-82-1	5	NA	NA	5 U	5 U
1,2-Dichlorobenzene	95-50-1	3	NA	NA	2 U	2 U
1,3-Dichlorobenzene	541-73-1	3	NA	NA	2 U	2 U
1,4-Dichlorobenzene	106-46-7	3	NA	NA	2 U	2 U
2,4,5-Trichlorophenol	95-95-4	NS	5 U	4.9 U	5 U	5 U
2,4,6-Trichlorophenol	88-06-2	NS	NA	NA	5 U	5 U
2,4-Dichlorophenol	120-83-2	1	10 U	9.8 U	5 U	5 U
2,4-Dimethylphenol	105-67-9	50	NA	NA	5 U	5 U
2,4-Dinitrophenol	51-28-5	10	30 U	29 U	20 U	20 U
2,4-Dinitrotoluene	121-14-2	5	NA	NA	5 U	5 U
2,6-Dinitrotoluene	606-20-2	5	5 U	4.9 U	5 U	5 U
2-Chloronaphthalene	91-58-7	10	NA	NA	0.2 U	0.2 U
2-Chlorophenol	95-57-8	NS	6 U	5.9 U	2 U	2 U
2-Methylnaphthalene	91-57-6	NS	0.2 U	0.2 U	0.2 U	0.2 U
2-Methylphenol	95-48-7	NS	6 U	5.9 U	5 U	5 U
2-Nitroaniline	88-74-4	5	5 U	4.9 U	5 U	5 U
2-Nitrophenol	88-75-5	NS	20 U	20 U	10 U	10 U
3,3'-Dichlorobenzidine	91-94-1	5	10 U	9.8 U	5 U	5 U
3-Methylphenol/4-Methylphenol	108-39-4	NS	6 U	5.9 U	5 U	5 U
3-Nitroaniline	99-09-2	5	5 U	4.9 U	5 U	5 U
4,6-Dinitro-o-cresol	534-52-1	NS	NA	NA	10 U	10 U
4-Bromophenyl phenyl ether	101-55-3	NS	NA	NA	2 U	2 U
4-Chloroaniline	106-47-8	5	5 U	4.9 U	5 U	5 U
4-Chlorophenyl phenyl ether	7005-72-3	NS	NA	NA	2 U	2 U
4-Nitroaniline	100-01-6	5	NA	NA	5 U	5 U
4-Nitrophenol	100-02-7	NS	10 U	9.8 U	10 U	10 U
Acenaphthene	83-32-9	20	0.2 U	0.2 U	0.2 U	0.2 U
Acenaphthylene	208-96-8	NS	0.2 U	0.2 U	0.2 U	0.2 U
Acetophenone	98-86-2	NS	NA	NA	5 U	5 U
Aniline	62-53-3	5	20 U	20 U	NA	NA
Anthracene	120-12-7	50	0.2 U	0.2 U	0.2 U	0.2 U
Benzo(a)anthracene	56-55-3	NS	0.2 U	0.2 U	0.2 U	0.2 U
Benzo(a)pyrene	50-32-8	0	0.2 U	0.2 U	0.2 U	0.2 U
Benzo(b)fluoranthene	205-99-2	NS	0.2 U	0.2 U	0.2 U	0.2 U
Benzo(ghi)perylene	191-24-2		0.2 U	0.2 U	0.2 U	0.2 U
Benzo(k)fluoranthene	207-08-9	NS	0.2 U	0.2 U	0.2 U	0.2 U
Benzoic Acid	65-85-0	NS	NA	NA	50 U	50 U
Benzyl Alcohol	100-51-6	NS	NA	NA	2 U	2 U
Biphenyl	92-52-4	NS	NA	NA	2 U	2 U
Bis(2-chloroethoxy)methane	111-91-1	5	NA	NA	5 U	5 U
Bis(2-chloroethyl)ether	111-44-4	1	NA	NA	2 U	2 U
Bis(2-chloroisopropyl)ether	108-60-1	5	NA	NA	2 U	2 U
Bis(2-Ethylhexyl)phthalate	117-81-7	5	5 U	4.9 U	3 U	2.2 J
Butyl benzyl phthalate	85-68-7	50	5 U	4.9 U	5 U	5 U
Carbazole	86-74-8	NS	NA	NA	2 U	2 U
Chrysene	218-01-9	0.002	0.2 U	0.2 U	0.2 U	0.2 U
Dibenzo(a,h)anthracene	53-70-3	NS	0.2 U	0.2 U	0.2 U	0.2 U
Dibenzofuran	132-64-9	NS	5 U	4.9 U	2 U	2 U
Diethyl phthalate	84-66-2	50	5 U	4.9 U	5 U	5 U
Dimethyl phthalate	131-11-3	50	5 U	4.9 U	5 U	5 U
Di-n-butylphthalate	84-74-2	50	5 U	4.9 U	5 U	5 U
Di-n-octylphthalate	117-84-0	50	5 U	4.9 U	5 U	5 U
Fluoranthene	206-44-0	50	0.2 U	0.73	0.09 J	0.2 U
Fluorene	86-73-7	50	0.2 U	0.2 U	0.2 U	0.2 U
Hexachlorobenzene	118-74-1	0.04	0.8 U	0.78 U	0.8 U	0.8 U
Hexachlorobutadiene	87-68-3	0.5	NA	NA	0.5 U	0.5 U
Hexachlorocyclopentadiene	77-47-4	5	NA	NA	20 U	20 U
Hexachloroethane	67-72-1	5	NA	NA	0.8 U	0.8 U
Indeno(1,2,3-cd)Pyrene	193-39-5	0.002	0.2 U	0.2 U	0.2 U	0.2 U
Isophorone	78-59-1	50	5 U	4.9 U	5 U	5 U
Naphthalene	91-20-3	10	0.2 U	0.2 U	0.2	0.2 U
Nitrobenzene	98-95-3	0.4	5 U	4.9 U	2 U	2 U
NitrosoDiPhenylAmine(NDPA)/DPA	86-30-6	50	NA	NA	2 U	2 U
n-Nitrosodi-n-propylamine	621-64-7	NS	NA	NA	5 U	5 U
P-Chloro-M-Cresol	59-50-7	NS	5 U	4.9 U	2 U	2 U
Pentachlorophenol	87-86-5	1	0.8 U	0.78 U	0.8 U	0.8 U
Phenanthrene	85-01-8	50	0.2 U	0.2 U	0.2 U	0.2 U
Phenol	108-95-2	1	7 U	6.8 U	5 U	5 U
Pyrene	129-00-0	50	0.2 U	0.58	0.28	0.2 U

Notes:
All Concentrations are ppb (ug/L)
1 - Ambient Water Quality Standard, NYSDEC TOGS 1.1.1, Ambient Water Quality Standards and Groundwater Effluent Limitations
J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL).
U - Not detected at the reported detection limit for the sample.
NS - No standard established
NA - Analyte was not analyzed for
Yellow highlighted values exceed AWQS

Table 7

Groundwater Sample Analaytical Data Summary - Pesticides and Polychlorinated Biphenyls
Henry Phipps Plaza South (Parcel 1) - 14RHAZ082M

LOCATION	CAS	AWQS[1]	B-5 GW	MW	MW	FIELD BLANK
SAMPLING DATE	Number		8/30/2007	8/30/2007	8/23/2013	8/23/2013
LAB SAMPLE ID			L0712727-10	L0712727-11	L1316532-04	L1316532-05
Pesticides						
4,4'-DDD	72-54-8	0.3	0.044 U	0.042 U	0.02 U	0.04 U
4,4'-DDE	72-55-9	0.2	0.044 U	0.042 U	0.02 U	0.04 U
4,4'-DDT	50-29-3	0.2	0.044 U	0.042 U	0.02 U	0.04 U
Aldrin	309-00-2	0	0.022 U	0.021 U	0.01 U	0.02 U
Alpha-BHC	319-84-6	0.01	0.022 U	0.021 U	0.01 U	0.02 U
Beta-BHC	319-85-7	0.04	0.022 U	0.021 U	0.01 U	0.02 U
Chlordane	57-74-9	0.05	0.217 U	0.21 U	0.1 U	0.2 U
cis-Chlordane	5103-71-9	NS	NA	NA	0.01 U	0.02 U
Delta-BHC	319-86-8	0.04	0.022 U	0.021 U	0.01 U	0.02 U
Dieldrin	60-57-1	0.004	0.044 U	0.042 U	0.02 U	0.04 U
Endosulfan I	959-98-8	NS	0.022 U	0.021 U	0.01 U	0.02 U
Endosulfan II	33213-65-9	NS	0.044 U	0.042 U	0.02 U	0.04 U
Endosulfan sulfate	1031-07-8	NS	0.044 U	0.042 U	0.02 U	0.04 U
Endrin	72-20-8	0	0.044 U	0.042 U	0.02 U	0.04 U
Endrin ketone	53494-70-5	5	0.044 U	0.042 U	0.02 U	0.04 U
Heptachlor	76-44-8	0.04	0.022 U	0.021 U	0.01 U	0.02 U
Heptachlor epoxide	1024-57-3	0.03	0.022 U	0.021 U	0.01 U	0.02 U
Lindane	58-89-9	0.05	0.022 U	0.021 U	0.01 U	0.02 U
Methoxychlor	72-43-5	35	0.217 U	0.21 U	0.1 U	0.2 U
Toxaphene	8001-35-2	0.06	NA	NA	0.1 U	0.2 U
trans-Chlordane	5103-74-2	NS	0.022 U	0.021 U	0.01 U	0.02 U
Polychlorinated Biphenyls						
Aroclor 1016	12674-11-2	0.09	0.1 U	0.1 U	0.083 U	0.083 U
Aroclor 1221	11104-28-2	0.09	0.1 U	0.1 U	0.083 U	0.083 U
Aroclor 1232	11141-16-5	0.09	0.1 U	0.1 U	0.083 U	0.083 U
Aroclor 1242	53469-21-9	0.09	0.1 U	0.1 U	0.083 U	0.083 U
Aroclor 1248	12672-29-6	0.09	0.1 U	0.1 U	0.083 U	0.083 U
Aroclor 1254	11097-69-1	0.09	0.1 U	0.1 U	0.083 U	0.083 U
Aroclor 1260	11096-82-5	0.09	0.1 U	0.1 U	0.083 U	0.083 U
Aroclor 1262	37324-23-5	0.09	NA	NA	0.083 U	0.083 U
Aroclor 1268	11100-14-4	0.09	NA	NA	0.083 U	0.083 U

Notes:
All Concentrations are ppb (ug/L)
1 - Ambient Water Quality Standard, NYSDEC TOGS 1.1.1, Ambient Water Quality Standards and Groundwater Effluent Limitations
J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL).
U - Not detected at the reported detection limit for the sample.
NS - No standard established
NA - Analyte was not analyzed for
Yellow highlighted values exceed AWQS

Table 8

Groundwater Sample Analaytical Data Summary - Total and Dissolved Metals
Henry Phipps Plaza South (Parcel 1) - 14RHAZ082M

LOCATION SAMPLING DATE LAB SAMPLE ID	CAS Number	AWQS[1]	B-5 GW 8/30/2007 L0712727-10	MW 8/30/2007 L0712727-11	MW 8/23/2013 L1316532-04	FIELD BLANK 8/23/2013 L1316532-05
Metals (Dissolved)						
Aluminum	7429-90-5	NS	49000	3100	4.46 J	NA
Antimony	7440-36-0	3	50 U	50 U	1.57 J	NA
Arsenic	7440-38-2	25	26	5 U	0.75	NA
Barium	7440-39-3	1000	405	68	33.29	NA
Beryllium	7440-41-7	3	5 U	5 U	0.5 U	NA
Cadmium	7440-43-9	5	5 U	5 U	0.08 J	NA
Calcium	7440-70-2	NS	170000	92000	84800	NA
Chromium	7440-47-3	50	580	10 U	3.16	NA
Cobalt	7440-48-4	NS	60	20 U	1.09	NA
Copper	7440-50-8	200	266	17	1.26	NA
Iron	7439-89-6	300	160000	5400	376	NA
Lead	7439-92-1	25	107	10 U	1 U	NA
Magnesium	7439-95-4	35000	200000	79000	71000	NA
Manganese	7439-96-5	300	3000	266	692.4	NA
Mercury	7439-97-6	0.7	0.2 U	0.2 U	0.2 U	NA
Nickel	7440-02-0	100	324	25 U	2.59	NA
Potassium	7440-09-7	NS	47000	21000	20600	NA
Selenium	7782-49-2	10	10 U	10 U	0.82 J	NA
Silver	7440-22-4	50	7 U	7 U	0.59	NA
Sodium	7440-23-5	20000	45000	19000	27200	NA
Thallium	7440-28-0	0.5	20 U	20 U	0.07000 J	NA
Vanadium	7440-62-2	NS	140	11	1.45 J	NA
Zinc	7440-66-6	2000	908	50 U	7.29 J	NA
Metals (Total)						
Aluminum	7429-90-5	NS	98000	3500	208	12
Antimony	7440-36-0	3	50 U	50 U	2 U	2 U
Arsenic	7440-38-2	25	49	5 U	2.23	0.34 J
Barium	7440-39-3	1000	707	74	66.93	0.67
Beryllium	7440-41-7	3	6	5 U	0.5 U	0.5 U
Cadmium	7440-43-9	5	5 U	5 U	0.5 U	0.5 U
Calcium	7440-70-2	NS	170000	95000	83500	146
Chromium	7440-47-3	50	690	10 U	1.03	0.2 J
Cobalt	7440-48-4	NS	108	20 U	4.14	0.5 U
Copper	7440-50-8	200	370	19	2.46	0.92 J
Iron	7439-89-6	300	240000	5900	759	33.2 J
Lead	7439-92-1	25	146	10 U	1.8	0.45 J
Magnesium	7439-95-4	35000	210000	82000	69400	70 U
Manganese	7439-96-5	300	3820	283	2107	1.08
Mercury	7439-97-6	0.7	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	7440-02-0	100	494	25 U	3.87	0.12 J
Potassium	7440-09-7	NS	54000	22000	21000	100 U
Selenium	7782-49-2	10	10 U	10 U	5 U	5 U
Silver	7440-22-4	50	7 U	7 U	0.5 U	0.5 U
Sodium	7440-23-5	20000	42000	20000	25700	15.5 J
Thallium	7440-28-0	0.5	20 U	20 U	0.5 U	0.5 U
Vanadium	7440-62-2	NS	265	11	1.75 J	5 U
Zinc	7440-66-6	2000	738	50 U	9.15 J	213.6

Notes:
All Concentrations are ppb (ug/L)
1 - Ambient Water Quality Standard, NYSDEC TOGS 1.1.1, Ambient Water Quality Standards and Groundwater Effluent Limitations
J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL).
U - Not detected at the reported detection limit for the sample.
NS - No standard established
NA - Analyte was not analyzed for
Yellow highlighted values exceed AWQS

Table 9

Soil Vapor Sample Analaytical Data Summary - Volatile Organic Compounds
Henry Phipps Plaza South (Parcel 1) - 14RHAZ082M

LOCATION SAMPLING DATE LAB SAMPLE ID	CAS Number	AGV	SV001 8/23/2013 L1316546-01	SV002 8/23/2013 L1316546-02	SV003 8/23/2013 L1316546-03
Volatile Organic Compounds					
1,1,1-Trichloroethane	71-55-6	NS	2.18 U	2.18 U	2.18 U
1,1,2,2-Tetrachloroethane	79-34-5	NS	2.75 U	2.75 U	2.75 U
1,1,2-Trichloroethane	79-00-5	NS	2.18 U	2.18 U	2.18 U
1,1-Dichloroethane	75-34-3	NS	1.62 U	1.62 U	1.62 U
1,1-Dichloroethene	75-35-4	NS	1.59 U	1.59 U	1.59 U
1,2,4-Trichlorobenzene	120-82-1	NS	2.97 U	2.97 U	2.97 U
1,2,4-Trimethylbenzene	95-63-6	NS	10.1	9.98	8.95
1,2-Dibromoethane	106-93-4	NS	3.07 U	3.07 U	3.07 U
1,2-Dichlorobenzene	95-50-1	NS	2.4 U	2.4 U	2.4 U
1,2-Dichloroethane	107-06-2	NS	1.62 U	1.62 U	1.62 U
1,2-Dichloropropane	78-87-5	NS	1.85 U	1.85 U	1.85 U
1,3,5-Trimethybenzene	108-67-8	NS	2.56	2.59	2.36
1,3-Butadiene	106-99-0	NS	6.19	0.885 U	0.885 U
1,3-Dichlorobenzene	541-73-1	NS	2.4 U	2.4 U	2.4 U
1,4-Dichlorobenzene	106-46-7	NS	2.4 U	2.4 U	2.4 U
1,4-Dioxane	123-91-1	NS	1.44 U	1.44 U	1.44 U
2,2,4-Trimethylpentane	540-84-1	NS	14.3	1.87 U	1.87 U
2-Butanone	78-93-3	NS	44.5	20.6	28.5
2-Hexanone	591-78-6	NS	7.99	5.7	5.41
3-Chloropropene	107-05-1	NS	1.25 U	1.25 U	1.25 U
4-Ethyltoluene	622-96-8	NS	2.81	2.89	2.61
4-Methyl-2-pentanone	108-10-1	NS	7.34	2.4	3.02
Acetone	67-64-1	NS	1810	1240	1940
Benzene	71-43-2	NS	24.7	10.2	9.81
Benzyl chloride	100-44-7	NS	2.07 U	2.07 U	2.07 U
Bromodichloromethane	75-27-4	NS	2.68 U	2.68 U	2.68 U
Bromoform	75-25-2	NS	4.14 U	4.14 U	4.14 U
Bromomethane	74-83-9	NS	1.55 U	1.55 U	1.55 U
Carbon disulfide	75-15-0	NS	321	3.18	6.91
Carbon tetrachloride	56-23-5	NS	2.52 U	2.52 U	2.52 U
Chlorobenzene	108-90-7	NS	1.84 U	1.84 U	1.84 U
Chloroethane	75-00-3	NS	9.87	1.06 U	1.06 U
Chloroform	67-66-3	NS	65.4	4.47	87.9
Chloromethane	74-87-3	NS	1.85	0.999	2.23
cis-1,2-Dichloroethene	156-59-2	NS	1.59 U	1.59 U	1.59 U
cis-1,3-Dichloropropene	10061-01-5	NS	1.82 U	1.82 U	1.82 U
Cyclohexane	110-82-7	NS	9.6	2.09	1.99
Dibromochloromethane	124-48-1	NS	3.41 U	3.41 U	3.41 U
Dichlorodifluoromethane	75-71-8	NS	2.34	2.77	3.19
Ethanol	64-17-5	NS	29.6	19	35.4
Ethyl Acetate	141-78-6	NS	9.8	29.9	44
Ethylbenzene	100-41-4	NS	10.8	10.1	8.69
Freon-113	76-13-1	NS	3.07 U	3.07 U	3.07 U
Freon-114	76-14-2	NS	2.8 U	2.8 U	2.8 U
Heptane	142-82-5	NS	35.3	23.4	21.1
Hexachlorobutadiene	87-68-3	NS	4.27 U	4.27 U	4.27 U
Isopropanol	67-63-0	NS	5.7	2.46 U	4.79
Methyl tert butyl ether	1634-04-4	NS	1.44 U	1.44 U	1.44 U
Methylene chloride	75-09-2	60	6.95 U	6.95 U	7.19
n-Hexane	110-54-3	NS	41.9	13.1	15.6
o-Xylene	95-47-6	NS	10.9	10.6	9.3
p/m-Xylene	179601-23-1	NS	36.5	33.9	31
Propylene	115-07-1	NS	200	6.09	24.1
Styrene	100-42-5	NS	1.7 U	1.7 U	1.7 U
Tetrachloroethene	127-18-4	100	2.71 U	2.71 U	2.71 U
Tetrahydrofuran	109-99-9	NS	1.76	1.55	1.55
Toluene	108-88-3	NS	101	91.6	84
trans-1,2-Dichloroethene	156-60-5	NS	1.59 U	1.59 U	1.59 U
trans-1,3-Dichloropropene	10061-02-6	NS	1.82 U	1.82 U	1.82 U
Trichloroethene	79-01-6	5	2.15 U	2.15 U	2.15 U
Trichlorofluoromethane	75-69-4	NS	2.25 U	2.25 U	2.25 U
Vinyl acetate	108-05-4	NS	1.41 U	1.41 U	1.41 U
Vinyl bromide	593-60-2	NS	1.75 U	1.75 U	1.75 U
Vinyl chloride	75-01-4	NS	1.02 U	1.02 U	1.02 U

Notes:
All Concentrations are ug/m^3
1 - Air Guideline Values, NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York
J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL).
U - Not detected at the reported detection limit for the sample.
Yellow highlighted values exceed AWQS

Appendix A

Soil and Materials Management Plan

1.1 Soil Screening Methods

Visual, olfactory and PID soil screening and assessment will be performed under the supervision of a Qualified Environmental Professional and will be reported in the Remedial Closure Report (RCR). Soil screening will be performed during invasive work performed during the remedy and development phases prior to issuance of the Notice of Satisfaction.

1.2 Stockpile Methods

Excavated soil from suspected areas of contamination (e.g., hot spots, USTs, drains, etc.) will be stockpiled separately and will be segregated from clean soil and construction materials. Stockpiles will be used only when necessary and will be removed as soon as practicable. While stockpiles are in place, they will be inspected daily, and before and after every storm event. Results of inspections will be recorded in a logbook and maintained at the Site and available for inspection by OER. Excavated soils will be stockpiled on, at minimum, double layers of 8-mil minimum sheeting, will be kept covered at all times with appropriately anchored plastic tarps, and will be routinely inspected. Broken or ripped tarps will be promptly replaced.

All stockpile activities will be compliant with applicable laws and regulations. Soil stockpile areas will be appropriately graded to control run-off in accordance with applicable laws and regulations. Stockpiles of excavated soils and other materials shall be located at least of 50 feet from the property boundaries, where possible. Hay bales or equivalent will surround soil stockpiles except for areas where access by equipment is required. Silt fencing and hay bales will be used as needed near catch basins, surface waters and other discharge points.

1.3 Characterization of Excavated Materials

Soil/fill or other excavated media that is transported off-Site for disposal will be sampled in a manner required by the receiving facility, and in compliance with applicable laws and regulations. Soils proposed for reuse on-Site will be managed as defined in this plan.

1.4 Materials Excavation, Load-Out and Departure

The PE/QEP overseeing the remedial action will:

- oversee remedial work and the excavation and load-out of excavated material;
- ensure that there is a party responsible for the safe execution of invasive and other work performed under this work plan;
- ensure that Site development activities and development-related grading cuts will not interfere with, or otherwise impair or compromise the remedial activities proposed in this RAP;
- ensure that the presence of utilities and easements on the Site has been investigated and that any identified risks from work proposed under this plan are properly addressed by appropriate parties;
- ensure that all loaded outbound trucks are inspected and cleaned if necessary before leaving the Site;
- ensure that all egress points for truck and equipment transport from the Site will be kept clean of Site-derived materials during Site remediation.

Locations where vehicles exit the Site shall be inspected daily for evidence of soil tracking off premises. Cleaning of the adjacent streets will be performed as needed to maintain a clean condition with respect to Site-derived materials.

Open and uncontrolled mechanical processing of historical fill and contaminated soil on-Site will not be performed without prior OER approval.

1.5 Off-Site Materials Transport

Loaded vehicles leaving the Site will comply with all applicable materials transportation requirements (including appropriate covering, manifests, and placards) in accordance with applicable laws and regulations, including use of licensed haulers in accordance with 6 NYCRR Part 364. If loads contain wet material capable of causing leakage from trucks, truck liners will be used. Queuing of trucks will be performed on-Site, when possible in order to minimize off Site disturbance. Off-Site queuing will be minimized.

Outbound truck transport routes are in Section 3.8 of the RAP. This routing takes into account the following factors: (a) limiting transport through residential areas and past sensitive sites; (b) use of mapped truck routes; (c) minimizing off-Site queuing of trucks entering the facility; (d) limiting total distance to major highways; (e) promoting safety in access to highways; and (f) overall safety in transport. To the extent possible, all trucks loaded with Site materials will travel from the Site using these truck routes. Trucks will not stop or idle in the neighborhood after leaving the project Site.

1.6 Materials Disposal Off-Site

The following documentation will be established and reported by the PE/QEP for each disposal destination used in this project to document that the disposal of regulated material exported from the Site conforms with applicable laws and regulations: (1) a letter from the PE/QEP or Applicant to each disposal facility describing the material to be disposed and requesting written acceptance of the material. This letter will state that material to be disposed is regulated material generated at an environmental remediation Site in New York under a governmental remediation program. The letter will provide the project identity and the name and phone number of the PE/QEP or Applicant. The letter will include as an attachment a summary of all chemical data for the material being transported; and (2) a letter from each disposal facility stating it is in receipt of the correspondence (1, above) and is approved to accept the material. These documents will be included in the RCR.

The RCR will include an itemized account of the destination of all material removed from the Site during this remedial action. Documentation associated with disposal of all material will include records and approvals for receipt of the material. This information will be presented in the RCR.

All impacted soil/fill or other waste excavated and removed from the Site will be managed as regulated material and will be disposed in accordance with applicable laws and regulations. Historic fill and contaminated soils taken off-Site will be handled as solid waste and will not be disposed at a Part 360-16 Registration Facility (also known as a Soil Recycling Facility).

Waste characterization will be performed for off-Site disposal in a manner required by the receiving facility and in conformance with its applicable permits. Waste characterization

sampling and analytical methods, sampling frequency, analytical results and QA/QC will be reported in the RCR. A manifest system for off-Site transportation of exported materials will be employed. Manifest information will be reported in the RCR. Hazardous wastes derived from on-Site will be stored, transported, and disposed of in compliance with applicable laws and regulations.

1.7 Materials Reuse On-Site

Soil and fill that is derived from the property that meets the soil cleanup objectives established in this plan may be reused on-Site. The soil cleanup objectives for on-Site reuse are listed in the RAP. "Reuse on-Site" means material that is excavated during the remedy or development, does not leave the property, and is relocated within the same property and on comparable soil/fill material, and addressed pursuant to Engineering Controls. The PE/QEP will ensure that reused materials are segregated from other materials to be exported from the Site and that procedures defined for material reuse in this RAP are followed. The expected location for placement of reused material is shown in the RAP.

Organic matter (wood, roots, stumps, etc.) or other waste derived from clearing and grubbing of the Site will not be buried on-Site. Soil or fill excavated from the site for grading or other purposes will not be reused within a cover soil layer or within landscaping berms.

1.8 Demarcation

After completion of hotspot removal and any other invasive remedial activities, and prior to backfilling, the top of the residual soil/fill will be defined by one of three methods: (1) placement of a demarcation layer. The demarcation layer will consist of geosynthetic fencing or equivalent material to be placed on the surface of residual soil/fill to provide an observable reference layer. A description or map of the approximate depth of the demarcation layer will be provided in the RCR; or (2) a land survey of the top elevation of residual soil/fill before the placement of cover soils, pavement and associated sub-soils, or other materials or structures or, (3) all materials beneath the approved cover will be considered impacted and subject to site management after the remedy is complete. Demarcation may be established by one or any combination of these three methods. As appropriate, a map showing the method of demarcation for the Site and all

associated documentation will be presented in the RCR. This demarcation will constitute the top of the site management horizon.

1.9 Import of Backfill Soil from Off-Site Sources

This Section presents the requirements for imported fill materials to be used below the cover layer and within the clean soil cover layer. All imported soils will meet OER-approved backfill and cover soil quality objectives for this Site. The backfill and cover soil quality objectives are listed in the RAP.

A process will be established to evaluate sources of backfill and cover soil to be imported to the Site, and will include an examination of source location, current and historical use(s), and any applicable documentation. Material from industrial sites, spill sites, environmental remediation sites or other potentially contaminated sites will not be imported to the Site.

The following potential sources may be used pending attainment of backfill and cover soil quality objectives:

- Clean soil from construction projects at non-industrial sites in compliance with applicable laws and regulations;
- Clean soil from roadway or other transportation-related projects in compliance with applicable laws and regulations;
- Clean recycled concrete aggregate (RCA) from facilities permitted or registered by the regulations of NYS DEC.

All materials received for import to the Site will be approved by a PE/QEP and will be in compliance with provisions in this RAP. The RCR will report the source of the fill, evidence that an inspection was performed on the source, chemical sampling results, frequency of testing, and a Site map indicating the locations where backfill or soil cover was placed.

Source Screening and Testing

Inspection of imported fill material will include visual, olfactory and PID screening for evidence of contamination. Materials imported to the Site will be subject to inspection, as follows:

- Trucks with imported fill material will be in compliance with applicable laws and regulations and will enter the Site at designated locations;
- The PE/QEP is responsible to ensure that every truck load of imported material is inspected for evidence of contamination; and
- Fill material will be free of solid waste including pavement materials, debris, stumps, roots, and other organic matter, as well as ashes, oil, perishables or foreign matter.

Composite samples of imported material will be taken at a minimum frequency of one sample for every 500 cubic yards of material. Once it is determined that the fill material meets imported backfill or cover soil chemical requirements and is non-hazardous, and lacks petroleum contamination, the material will be loaded onto trucks for delivery to the Site.

Recycled concrete aggregate (RCA) will be imported from facilities permitted or registered by NYSDEC. Facilities will be identified in the RCR. A PE/QEP is responsible to ensure that the facility is compliant with 6NYCRR Part 360 registration and permitting requirements for the period of acquisition of RCA. RCA imported from compliant facilities will not require additional testing, unless required by NYSDEC under its terms for operation of the facility. RCA imported to the Site must be derived from recognizable and uncontaminated concrete. RCA material is not acceptable for, and will not be used as cover material.

1.10 Fluids Management

All liquids to be removed from the Site, including dewatering fluids, will be handled, transported and disposed in accordance with applicable laws and regulations. Liquids discharged into the New York City sewer system will receive prior approval by New York City Department of Environmental Protection (NYC DEP). The NYC DEP regulates discharges to the New York City sewers under Title 15, Rules of the City of New York Chapter 19. Discharge to the New York City sewer system will require an authorization and sampling data demonstrating that the groundwater meets the City's discharge criteria. The dewatering fluid will be pretreated as necessary to meet the NYC DEP discharge criteria. If discharge to the City sewer system is not appropriate, the dewatering fluids will be managed by transportation and disposal at an off-Site treatment facility.

Discharge of water generated during remedial construction to surface waters (i.e. a stream or river) is prohibited without a SPDES permit issued by New York State Department of Environmental Conservation.

1.11 Storm-water Pollution Prevention

Applicable laws and regulations pertaining to storm-water pollution prevention will be addressed during the remedial program. Erosion and sediment control measures identified in this RAP (silt fences and barriers, and hay bale checks) will be installed around the entire perimeter of the remedial construction area and inspected once a week and after every storm event to ensure that they are operating appropriately. Discharge locations will be inspected to determine whether erosion control measures are effective in preventing significant impacts to receptors. Results of inspections will be recorded in a logbook and maintained at the Site and available for inspection by OER. All necessary repairs shall be made immediately. Accumulated sediments will be removed as required to keep the barrier and hay bale check functional. Undercutting or erosion of the silt fence anchor will be repaired immediately with appropriate backfill materials. Manufacturer's recommendations will be followed for replacing silt fencing damaged due to weathering.

1.12 Contingency Plan

This contingency plan is developed for the remedial construction to address the discovery of unknown structures or contaminated media during excavation. Identification of unknown contamination source areas during invasive Site work will be promptly communicated to OER's Project Manager. Petroleum spills will be reported to the NYS DEC Spill Hotline. These findings will be included in the daily report. If previously unidentified contaminant sources are found during on-Site remedial excavation or development-related excavation, sampling will be performed on contaminated source material and surrounding soils and reported to OER. Chemical analytical testing will be performed for Full List volatiles and semi-volatiles, pesticides/PCBs, and TAL metals, as appropriate.

1.13 Odor, Dust and Nuisance Control

Odor Control

All necessary means will be employed to prevent on- and off-Site odor nuisances. At a minimum, procedures will include: (a) limiting the area of open excavations; (b) shrouding open excavations with tarps and other covers; and (c) use of foams to cover exposed odorous soils. If odors develop and cannot otherwise be controlled, additional means to eliminate odor nuisances will include: (d) direct load-out of soils to trucks for off-Site disposal; and (e) use of chemical odorants in spray or misting systems.

This odor control plan is capable of controlling emissions of nuisance odors. If nuisance odors are identified, work will be halted and the source of odors will be identified and corrected. Work will not resume until all nuisance odors have been abated. OER will be notified of all odor complaint events. Implementation of all odor controls, including halt of work, will be the responsibility of the PE/QEP's certifying the RCR.

Dust Control

Dust management during invasive on-Site work will include, at a minimum:

- Use of a dedicated water spray methodology for roads, excavation areas and stockpiles.
- Use of properly anchored tarps to cover stockpiles.
- Exercise extra care during dry and high-wind periods.
- Use of gravel or recycled concrete aggregate on egress and other roadways to provide a clean and dust-free road surface.

This dust control plan is capable of controlling emissions of dust. If nuisance dust emissions are identified, work will be halted and the source of dusts will be identified and corrected. Work will not resume until all nuisance dust emissions have been abated. OER will be notified of all dust complaint events. Implementation of all dust controls, including halt of

work, will be the responsibility of the PE/QEP's responsible for certifying the Remedial Closure Report.

Other Nuisances

Noise control will be exercised during the remedial program. All remedial work will conform, at a minimum, to NYC noise control standards.

Rodent control will be provided, during Site clearing and grubbing, and during the remedial program, as necessary, to prevent nuisances.

1.14 Import of Clean Cover

A to be determined amount of soil is anticipated to be imported to the Site for use as clean cover. All imported soil will be uncontaminated, clean soil that meets the lesser of NYSDEC 6 NYCRR Part 375-6.8(a) Restricted Residential Use SCOs and the NYSDEC 6 NYCRR Part 375-6.8 groundwater protection SCOs.

The imported uncontaminated, clean soil cover will be from an approved source/facility and will be evaluated by the PE/QEP to ensure:

1) That a segregated stockpile for the to be determined amount of soil is properly maintained at the source and will not be comingled with any other material prior to importing and grading the clean soil material at the Site;
2) That the material does not include any solid waste, including construction and demolition material, as it's prohibited;
3) That screening for evidence of contamination by visual, olfactory and PID soil screening practices prior to testing at the source as well as upon importing to the Site for grading is completed; and
4) That a maximum five-part composite sample will be collected from the segregated stockpile at the source at a minimum frequency of one sample per 250 cubic yards and analyzed for the following Full List parameters:
    - VOCs by EPA Method 8260C (rev. 2006)
    - SVOCs by EPA Method 8270D (rev. 2007)

- Pesticides by EPA Method 8081B (rev. 2000)
- PCBs by EPA Method 8082A (rev. 2000)
- TAL Metals by EPA Method 6010C (rev. 2007)

Upon receipt of the segregated stockpile analytical results collected at the source, a Clean Soil Sampling Report will be submitted to OER for review/approval prior to importing. The report will include the following:

1) Summary of number of samples collected and analyzed, tabulated data and comparison to the selected Site Use SCOs;
2) Analytical data sheets and chain of custody documentation;
3) Summary of a to be determined amount of soil;
4) Photographs from the segregated stockpile at the source with sample point locations identified;
5) An affidavit from the source/facility on company letterhead stating that the segregated stockpile for the to be determined amount of soil has been properly maintained at the source and complies with the requirements listed above; and
6) A copy of source/facility NYSDEC permit;

A highly visible demarcation barrier (i.e. orange geo-synthetic material or equivalent) will be installed beneath the clean soil/fill surface cover. Upon importing and grading the OER approved clean soil cover for a to be determined amount of soil on top of a highly visible demarcation barrier, the following documentation will be presented in the Final Remedial Closure Report:

1. Copies of purchase invoices;
2. Truck transportation slips from the source to the Site;
3. Confirmation of a to be determined amount of OER approved clean soil cover material imported and graded at the site on top of highly visible demarcation barrier;
4. Site plan depicting all areas where the OER approved clean soil cover has been placed; and

5. Photographs documenting the importing and grading of the OER approved clean soil cover across the site with the underlying highly visible demarcation barrier (i.e. orange geo-synthetic material or equivalent).

Appendix B

Construction Health and Safety Plan

HENRY PHIPPS PLAZA SOUTH (PARCEL 1)
325 EAST 25TH STREET (BLOCK 931, LOT 17)
MANHATTAN, NEW YORK
NYCOER NO. 14RHAZ082M

CONSTRUCTION
HEALTH & SAFETY PLAN

SUBMITTED TO:

New York City Office of Environmental Remediation
E-Designation Program
100 Gold Street, 2nd Floor
New York, New York 10038

PREPARED FOR:

Henry Phipps Plaza South HDFC
902 Broadway, 13th Floor
New York, New York 10010

PREPARED BY:

P.W. Grosser Consulting, Inc.
630 Johnson Avenue, Suite 7
Bohemia, New York 11716
Phone: 631-589-6353
Fax: 631-589-8705

James P. Rhodes, CPG, Sr. Principal jimr@pwgrosser.com
Thomas Melia, Project Manager thomasm@pwgrosser.com

PWGC Project Number: PHG1301

SEPTEMBER 2013

CONSTRUCTION HEALTH & SAFETY PLAN
HENRY PHIPPS PLAZA SOUTH (PARCEL 1)

CONTENTS Page

FIGURES

APPENDICES

1.0 STATEMENT OF COMMITMENT

On-site employees may be exposed to risks from hazardous conditions related to the remedial activities to be performed at the Henry Phipps Plaza South (Parcel 1) project site. P.W. Grosser Consulting Inc.'s (PWGC's) policy is to minimize the possibility of work-related injury through awareness and qualified supervision, health and safety training, medical monitoring, use of appropriate personal protective equipment, and the following activity specific safety protocols contained in this Health and Safety Plan (HASP). PWGC has established a guidance program to implement this policy in a manner that protects personnel to the maximum reasonable extent.

This HASP, which applies to PWGC personnel actually or potentially exposed to safety or health hazards, describes emergency response procedures for actual and potential physical and chemical hazards. This HASP is also intended to inform and guide personnel entering site work zones. Persons are to acknowledge that they understand the potential hazards and the contents of this Health and Safety policy by signing off on receipt of their individual copy of the document. Contractors and suppliers are retained as independent contractors and are responsible for ensuring the health and safety of their own employees.

PWGC may require that its personnel take certain precautions in accordance with this HASP, and PWGC requests that others protect their personnel in a manner that they deem necessary or sufficient.

2.0 INTRODUCTION AND SITE ENTRY REQUIREMENTS

This document describes the health and safety guidelines developed by PWGC at the request of the "Developer" for the proposed remedial action to be performed at the Henry Phipps Plaza South (Parcel 1) project site ("the site") to protect on-site personnel, visitors, and the public from physical harm and exposure to hazardous materials or wastes. In accordance with the Occupational Safety and Health Administration (OSHA) 29 CFR Part 1910.120 Hazardous Waste Operations and Emergency Response (HAZWOPER) Final rule, this HASP, including the attachments, addresses safety and health hazards relating to each phase of site operations and is based on the best information available. The HASP may be revised by PWGC at the request of the Developer, and/or regulatory agency upon receipt of new information regarding site conditions. Changes will be documented by written amendments signed by PWGC's project director, project manager and/or site safety officer.

2.1 Training Requirements

Personnel entering the exclusion zone or decontamination zone must meet the training requirements for hazardous waste site operations and emergency response operations in accordance with OSHA 29 CFR 1910.120(e).

Each subcontractor and supplier working on the job must provide the site safety officer with training documentation for its personnel upon request.

2.2 Medical Monitoring Requirements

PWGC personnel and visitors entering the exclusion zone or decontamination zone must have completed appropriate medical monitoring required under OSHA 29 CFR 1910.120(f). Medical monitoring enables a physician to monitor each employee's health, physical condition, and his fitness to wear respiratory protective equipment and carry out on-site tasks.

Evidence of compliance with additional medical monitoring requirements for this site must also be included upon request.

2.3 Fit Test Requirements

Personnel and visitors entering a work zone using a negative pressure air purifying respirator (APR) must have successfully passed a qualitative respirator fit test in accordance with OSHA 29 CFR 1910.134 or the American National Standards Institute (ANSI).

Fit testing documentation is the responsibility of each subcontractor. Documentation of PWGC's personnel fit-

testing is maintained on file. PWGC does not anticipate the need for work to be performed using APR's.

2.4 Site Safety Plan Acceptance, Acknowledgement and Amendments

The project superintendent and the site safety officer are responsible for informing personnel (P.W. Grosser employees and/or owner or owners representatives) entering a work area of the contents of this plan and ensuring that each person signs the safety plan acknowledging the on-site hazards and procedures required to minimize exposure to adverse effects of these hazards. A copy of the Acknowledgement Form is included in **Appendix A**.

Site conditions may warrant an amendment to the HASP. Amendments to the HASP are acknowledged by completing forms included in **Appendix B**.

2.5 Daily Safety Meetings

Each day before work begins; the site safety officer will hold safety (tailgate or tool box) meetings to ensure that on-site personnel understand the site conditions and operating procedures and to address safety questions and concerns. Meeting minutes and attendance will be recorded. Personnel eligible to enter a work zone must attend the meetings. Project staff will discuss and remedy health and safety issues at these meetings.

2.6 Key Personnel – Roles and Responsibilities

The following PWGC key personnel are planned for this project:

- PWGC Project Director — Mr. James Rhodes
- PWGC Project Manager — Mr. Thomas Melia
- PWGC Site Safety Officer — Ms. Juliann Calabrese, or assignee

The PWGC project manager is responsible for overall project administration and, with guidance from the PWGC site safety officer, for supervising the implementation of this HASP. The site safety officer will conduct daily (tail gate or tool box) safety meetings at the project site and oversee daily safety issues. Each subcontractor and supplier (defined as an OSHA employer) is also responsible for the health and safety of its employees. If there is any dispute about health and safety or project activities, on-site personnel will attempt to resolve the issue. If the issue cannot be resolved at the site, then the project manager will be consulted.

The PWGC site safety officer is also responsible for coordinating and enforcing health and safety activities on-site. The site safety officer must meet the emergency response and hazardous materials training requirements

of OSHA 29 CFR Part 1910.120; must have completed OSHA supervisor training, 29 CFR 1910.120 (e) 4; and must have appropriate experience to the related site work. The site safety officer is authorized to suspend the site work based on safety concerns, and is responsible for the following:

1. Educating personnel about information in this HASP and other safety requirements to be observed during site operations, including, but not limited to, decontamination procedures, designation of work zones and levels of protection, air monitoring, fit testing, and emergency procedures dealing with fire and first aid.
2. Coordinating site safety decisions with the project manager.
3. Designating exclusion, decontamination and support zones (work zones) on a daily basis.
4. Monitoring the condition and status of known on-site hazards and maintaining and implementing the air quality monitoring program specified in this HASP.
5. Maintaining the work zone entry/exit log and site entry/exit log.
6. Maintaining records of safety problems, corrective measures and documentation of chemical exposures or physical injuries (the site safety officer will document these conditions in a bound notebook and maintain a copy of the notebook on-site).

The person who observes safety concerns and potential hazards that have not been addressed in the daily safety meetings should immediately report their observations/concerns to the site safety officer or appropriate key personnel.

3.0 SITE BACKGROUND AND SCOPE OF WORK

The Site is located at 325 East 25th Street in the Kips Bay section of Manhattan, New York and is identified as Block 931 and Lot 17 on the New York City Tax Map. Currently, the Site is used as a playground (western half of site) and storage for a nursery/landscaping company (eastern half of site); the property is completely paved, but contains no buildings or other permanent improvements.

The proposed future use of the Site will consist of a nine-story residential building with a partial basement (approx. total gross square footage of 53,600 square feet). The building will contain approximately 56 residential units. The footprint of the building will encompass approximately two-thirds of the property; the rear third of the property not covered by the building footprint will be used as outdoor passive recreation communal space. The partial basement will be used for utility/machinery space and storage. Construction of the basement will require excavation to a depth of approximately 12 feet below ground surface (bgs).

PWGC performed subsurface investigations at the site in February 2008 and August 2013. The investigations identified the following:

- Soil/fill samples showed SVOC and lead impact in the vicinity of boring B-1 in the northwestern portion of the site in excess of Restricted Residential SCOs. SVOC, barium and lead impact in excess of Restricted Residential SCOs was identified beneath the northern portion of the site at location SB002.
- Groundwater samples showed metals impact beneath the site; however, metals detected (iron, magnesium, manganese, and sodium) are commonly found in groundwater as a result of the chemical composition of the aquifer soils.
- Soil vapor samples did not identify VOC impact in excess of NYSDOH AGVs; compounds for which NYSDOH has created decision matrices were not detected.

Based on these results, PWGC prepared a Remedial Action Plan (RAP) for the site that includes the removal and offsite disposal of excess soils generated during construction.

4.0 HAZARD ASSESSMENT

This section identifies the hazards associated with the proposed scope of work, general site operations which may also be conducted at site, and the standard operating procedures (SOPs) that should be implemented to reduce the hazards; identifies general physical hazards that can be expected at most sites; and presents a summary of documented or potential chemical hazards at the site. Every effort must be made to reduce or eliminate these hazards. Those that cannot be eliminated must be guarded against using engineering controls and/or personal protective equipment.

4.1 Activity-Specific Hazards and Standard Operating Procedures

4.1.1 Drilling and Probing Operations

Soil borings and groundwater monitoring wells using Geoprobe® direct push technology (or equivalent) will be installed as part of the proposed subsurface investigation. PWGC and/or subcontractors shall follow the Geoprobe® direct push drill rig Standard Operating Procedures (or equivalent), included as **Appendix C**.

4.1.2 Work in Extreme Temperatures

Work under extremely hot or cold weather conditions requires special protocols to minimize the chance that employees will be affected by heat or cold stress. As necessary, PWGC shall follow the heat and cold stress safety protocols included as **Appendix D**.

4.1.3 Dust Control and Monitoring

Dust generated during work activities may contain contaminants associated with the site characteristics. Dust generation is not anticipated during the subsurface investigation. In the event that fugitive dust is generated, PWGC shall control the dust by wetting the working surface with water, or other approved method of dust suppression.

4.2 Chemical Hazards

Historic environmental investigations at the subject site and throughout the five boroughs of New York City have identified the widespread presence of historic urban fill material, which contains slightly elevated concentrations of semi-volatile organic compounds (SVOCs) and metals.

The primary routes of exposure to contaminants in soil are inhalation, ingestion and absorption.

Appendix E includes information sheets for the potential chemicals that may be encountered at the site.

4.2.1 Respirable Dust

The subsurface investigation activities are not anticipated to generate particulate dust; however dust may be generated from vehicular traffic and/or other construction activities. If visible observation detects elevated levels of dust, a program of wetting will be employed by the site safety officer. If elevated dust levels persist, the site safety office will employ dust monitoring using a particulate monitor (Miniram or equivalent). If monitoring detects concentrations greater than 150 µg/m3 over daily background, the site safety officer will take corrective actions as defined herein, including the use of water for dust suppression and if this is not effective, requiring workers to wear APRs with efficiency particulate air (HEPA) cartridges.

Absorption pathways for dust and direct contact with soils will be mitigated with the implementation of latex gloves, hand washing and decontamination exercises when necessary.

4.2.2 Organic Vapors

Based upon historical environmental investigations, the potential for isolated areas of VOCs impacts exists. Therefore, drilling/excavation activities may cause the release of organic vapors to the atmosphere. The site safety officer will monitor organic vapors with a Photoionization Detector (PID) during drilling activities to determine whether organic vapor concentrations exceed action levels shown below.

PID Response	Action
Sustained readings of 5 ppm or greater	Shut down drilling equipment and allow area to vent. Resume when readings return to background
Sustained readings of 5 ppm or greater that do not subside after venting	Implement Vapor Release Plan (Section 9.8). Re-evaluate respiratory protection as upgrade may be required.

4.3 General Site Hazards

Applicable OSHA 29 CFR 1910.120(m) standards for illumination shall apply. Work is to be conducted during daylight hours whenever possible.

Electrical power must be provided through a ground fault circuit interrupter. Equipment that will enter an excavation must be suitable and approved (i.e. intrinsically safe) for use in potentially explosive environments. Applicable OSHA 29 CFR 1926 Subpart K standards for use of electricity shall apply.

Work where there is a fall hazard will be performed using appropriate ladders and/or protection (e.g. body harness and lifeline). All work should be conducted at the ground surface or in trench excavations.

In accordance with 29 CFR 1910.151(c), workers involved in operations where there is the risk of eye injury, (chemical splash, etc.), must have ready access to an approved eye wash unit. Protective eye wear shall be donned in Level D, when directed by the site safety officer.

Operations where there is a potential for fire will be conducted in a manner that minimizes risk. Non-sparking tools and fire extinguishers shall be used or available as directed by the site safety officer when work is in potentially explosive atmospheres. Ignition sources shall be removed from work areas. Explosion-proof instruments and/or bonding and grounding will be used to prevent fire or explosion when the site safety officer directs their use.

Overhead and underground utilities shall be identified and/or inspected and appropriate safety precautions taken before conducting operations where there is potential for contact or interference.

5.0 PERSONAL PROTECTIVE EQUIPMENT

Personal protective equipment (PPE) shall be selected in accordance with the site air monitoring program, OSHA 29 CFR 1910.120(c), (g), and 1910.132. Protective equipment shall be NIOSH-approved and respiratory protection shall conform to OSHA 29 CFR Part 1910.133 and 1910.134 specifications; head protection shall conform to 1910.135; eye and face protection shall conform to 1910.133; and foot protection shall conform to 1910.136. The only true difference among the levels of protection from D thru B is the addition of the type of respiratory protection.

PWGC anticipates that work performed under the scope of the proposed Phase II investigation will be conducted in Level D PPE.

5.1 Level D

Level D PPE shall be donned when the atmosphere contains no known hazards and work functions preclude splashes, immersion, or the potential for inhalation of, or contact with, hazardous concentrations of harmful chemicals. Level D PPE consists of:

- standard work uniform, coveralls, or tyvek, as needed;
- steel toe and steel shank work boots;
- hard hat;
- gloves, as needed;
- safety glasses;
- hearing protection;
- equipment replacements are available as needed.

5.2 Level C

Level C PPE shall be donned when the concentrations of measured total organic vapors in the breathing zone exceed background concentrations (using a portable PID, or equivalent), but are less than 5 ppm. The specifications on the APR filters used must be appropriate for contaminants identified or expected to be encountered. Level C PPE shall be donned when the identified contaminants have adequate warning properties and criteria for using APR have been met. Level C PPE consists of:

- chemical resistant or coated tyvek coveralls;
- steel-toe and steel-shank work boots;
- chemical resistant over boots or disposable boot covers;
- disposable inner gloves (surgical gloves);

- disposable outer gloves;
- full-face APR fitted with organic vapor/dust and mist filters or filters appropriate for the identified or expected contaminants;
- hard hat;
- splash shield, as needed; and,
- ankles/wrists taped with duct tape.

The site safety officer will verify if Level C is appropriate by checking organic vapor concentrations using compound and/or class-specific detector tubes.

5.3 Level B

Level B PPE shall be donned when the contaminants have not been identified and/or the concentrations of unknown measured total organic vapors in the breathing zone exceed 5 ppm (using a portable OVA, or equivalent). Level B PPE shall be donned if the IDLH of a known contaminant is exceeded. If a contaminant is identified or is expected to be encountered for which NIOSH and/or OSHA recommend the use of a positive pressure self-contained breathing apparatus (SCBA) when that contaminant is present, Level B PPE shall be donned even though the total organic vapors in the breathing zone may not exceed 5 ppm. Level B shall be donned for confined space entry, and when the atmosphere is oxygen deficient (oxygen less than 19.5%) or potentially oxygen deficient. If Level B PPE is required for a task, at least three people shall be donned in Level B at any one time during that task. PPE shall only be donned at the direction of the site safety officer. Level B PPE consists of:

- supplied air SCBA or air line system with five minute egress system;
- chemical resistant coveralls;
- steel-toe and steel-shank work boots;
- chemical resistant over boots or disposable boot covers;
- disposable inner gloves;
- disposable outer gloves;
- hard hat; and,
- ankles/wrists taped.

The exact PPE ensemble is decided on a site-by-site basis by the PWGC Health and Safety Officer with the intent to provide the most protective and efficient worker PPE.

5.4 Activity Specific Levels of Personal Protection

The required level of PPE is activity-specific and is based on air monitoring results (Section 7.0) and properties

of identified or expected contaminants. It is expected that all site work will be performed in Level D. If air monitoring results indicate the necessity to upgrade the level of protection engineering controls (i.e. Facing equipment away from the wind and placing site personnel upwind of excavations, active venting, etc.) will be implemented before requiring the use of respiratory protection.

6.0 DECONTAMINATION PROCEDURES

Equipment and PPE exiting the exclusion zone must be decontaminated or properly discarded upon exit. Personnel must enter and exit the exclusion zone through the decontamination area. The exclusion and decontamination zones may change depending on the nature of the site work. Plastic bags containing personal protective clothing and equipment will be placed in designated receptacles.

Boots and other potentially contaminated garments that have come in contact with hazardous materials will be cleaned in wash tubs with detergent/water solution and rinsed with water and must remain on site. The wash water, rinse water, and residues will be collected and properly stored until sampling results are received and the final method of disposal can be determined. Disposable PPE, including spent respirator cartridges and canisters, will be properly bagged and disposed. Contaminated boots, clothing, and equipment (e.g. leather boots, equipment carrying straps) that cannot be decontaminated will be disposed of with the disposable garments or left on site in the decontamination trailer.

The ***minimum*** measures for Level B doffing and decontamination are:

- deposit equipment on plastic drop cloths;
- scrub outer boots and gloves with a water and detergent solution and rinse;
- remove outer boots and outer gloves. Discard disposable outer garments in receptacle provided;
- remove SCBA and face piece and place on rack provided;
- remove tyvek/outer garment and place in receptacle provided;
- remove inner gloves and deposit in receptacle provided; and,
- shower/wash face and hands.

The ***minimum*** measures for Level C doffing and decontamination are:

- deposit equipment on plastic drop cloths;
- scrub outer boots and gloves (if worn) with a water and detergent solution and rinse;
- remove outer boots and outer gloves. Discard disposable outer garments in receptacle provided;
- remove tyvek/outer garment and place in receptacle provided;
- remove first pair of inner gloves;
- remove respirator (using "clean" inner gloves) and place on rack provided;
- remove last pair of inner gloves and deposit in receptacle provided; and,
- shower/wash face and hands.

The second to last item to be removed is the APR, and the last item to be removed is the last of several pairs of

surgical gloves. Wearing several pairs of inner gloves permits layers to be removed as needed during various stages of the doffing procedure, and if the APR inadvertently becomes contaminated, inner gloves guard against bare hands contacting the APR.

Equipment that comes into contact with site contaminants is decontaminated according to manufacturer specifications. Decontamination is done in the exclusion or decontamination zones. Rented equipment is photographed after decontamination.

7.0 AIR MONITORING AND ACTION LEVELS

29 CFR 1910.120(h) specifies that monitoring shall be performed where there may be a question of employee exposure to hazardous concentrations of hazardous substances in order to assure proper selection of engineering controls, work practices and personal protective equipment so that employees are not exposed to levels which exceed permissible exposure limits, or published exposure levels if there are no permissible exposure limits, for hazardous substances.

7.1 Community Air Monitoring Requirements

If excavation work is performed, fugitive respirable dust will be monitored using a MiniRam Model PDM-3 aerosol monitor or equivalent and air will be monitored for VOCs with a portable Foxboro OVA, Photovac MicroTip, or the equivalent. If necessary, carbon dioxide and carbon monoxide will be monitored with a three-position analyzer and Lower Explosive Limit (LEL) and oxygen will be monitored with a Combustible Gas Indicator (CGI). Air will be monitored when any of the following conditions apply:

- initial site entry;
- during any work where a potential IDLH condition or flammable atmosphere could develop;
- excavation work begins on another portion of the site;
- contaminants, other than those previously identified, have been discovered;
- each time a different task or activity is initiated;
- during trenching and/or excavation work; or
- before and during entry into confined spaces.

The designated site safety officer will record air monitoring data. PWGC's site safety officer or delegate must ensure that air monitoring instruments are calibrated and maintained in accordance with manufacturer's specifications. Instruments will be zeroed daily and checked for accuracy. A daily log will be kept. Monitoring results will be recorded on the sheets contained in Appendix F.

Below are examples of site specific guidelines and actions which are taken based on routine air monitoring:

- OVA/PID readings for VOCs sustained at background and 5 ppm over the site specific background in breathing zone: continue.
- OVA/PID readings for VOCs sustained between 5 ppm and 25 ppm over the site specific background in breathing zone: Level C PPE. (See Note)
- OVA/PID readings for VOCs sustained >25 ppm over the site specific background in breathing zone:

Level B PPE. (See Note)

Note: To ensure that readings are not generated by methane, screen vapors with a PID[1]. If the PID reading is less than 5 ppm, continue work (assume vapors are methane). If PID readings are over 5 ppm allow the work zone to vent. If PID and OVA readings continue to persist over 5 ppm, request PWGC to screen the area with compound specific detector tubes for benzene.

If this compound is not present then level C can be worn.

OVA readings >5 ppm in breathing zone: Level B PPE.

Total Respirable Dust at background in breathing zone: continue.

Total Respirable Dust at 150 mg/m3 in breathing zone: Level C PPE - HEPA filters. Site safety officer can call for upgrades based on visual dust without metering total respirable dust.

Prior to site work, the PWGC site safety officer will compile a list of likely site contaminants, select appropriate air monitoring instrumentation and define action levels.

7.2 Perimeter Air Monitoring

To establish ambient air background concentrations, air will be monitored at several locations around the site perimeter before drilling/excavation activities begin. These points will be monitored periodically in series during the site work. VOCs will be monitored with a portable Foxboro OVA, Photovac MicroTip, or the equivalent. If appropriate, fugitive dust will be monitored using a MiniRam Model PDM-3 aerosol monitor, or equivalent.

The specific guidelines for actions to be taken based on air monitoring at the site perimeter are listed below:

OVA/PID readings for VOCs less than 5.0 ppm over background: continue.

OVA/PID readings for VOCs greater than 5.0 ppm over background: stop work and implement vapor release contingency plan until readings return to acceptable levels.

Total Respirable Dust below 100 µg/m^3: continue.

Total Respirable Dust above 100 µg/m^3 in breathing zone: stop work and implement dust control measures (Section 3.0) until readings return to acceptable levels.

7.3 Activity Specific Air Monitoring

The monitoring of VOC concentrations present in the employees breathing zone will be periodically monitored during drilling/excavation activities using a Foxboro OVA, MiniRam, or the equivalent. Air monitoring results

will be recorded in the field log book. No trenches/excavations will be entered until they have been checked for combustible gases, percent oxygen VOCs and carbon dioxide. An MSA Model 361 combustible gas indicator, or the equivalent will be used to monitor trenches/excavations for the above listed compounds. If additional monitoring is required, the protocols will be developed and appended to this plan.

8.0 SITE CONTROL

8.1 Work Zones

The primary purpose of site controls is to establish the perimeter of a hazardous area, to reduce the migration of contaminants into clean areas, and to prevent access or exposure to hazardous materials by unauthorized persons. When operations are to take place involving hazardous materials, the site safety officer will establish an exclusion zone, a decontamination zone, and a support zone. These zones "float" (move around the site) depending on the tasks being performed on any given day. The site safety officer will outline these locations before work begins and when zones change. The site safety officer records this information in the site log book. **It is expected that for construction activities, identification of an exclusion zone, decontamination zone, and support zone will not be necessary.**

Tasks requiring OSHA 40-hour Hazardous Waste Operations and Emergency Response Operations training are carried out in the exclusion zone. The exclusion zone is defined by the site safety officer but will typically be a 50-foot area around work activities. Gross decontamination (as determined by the site Health and Safety Officer) is conducted in the exclusion zone; all other decontamination is performed in the decontamination zone or trailer.

Protective equipment is removed in the decontamination zone. Disposable protective equipment is stored in receptacles staged in the decontamination zone, and non-disposable equipment is decontaminated. All personnel and equipment exit the exclusion zone through the decontamination zone. If a decontamination trailer is provided the first aid equipment, an eye wash unit, and drinking water are kept in the decontamination trailer.

The support zone is used for vehicle parking, daily safety meetings, and supply storage. Eating, drinking, and smoking are permitted only in the support zone. When a decontamination trailer is not provided, the eye wash unit, first aid equipment, and drinking water are kept at a central location designated by the site safety officer.

8.2 General Field Safety and Standard Operating Procedures

PWGC's policy is to control hazards at all site areas by limiting entrance to exclusion zones to essential personnel and by implementing the following rules:

- Non-essential (as judged by the site safety officer) personnel and unauthorized persons will not enter the exclusion or decontamination zone.

- Before entering the exclusion or decontamination zones, all personnel must be familiar with emergency response procedures (Section 9.0), site safety locations, first aid and communication equipment, and the location of the map to the hospital and the list of emergency telephone numbers.
- The buddy system will be used at all times by field personnel in the exclusion zone; no one is to perform work within the exclusion zone alone. When in Level D or C, visual contact or radio contact shall be maintained at all times.
- Contact with contaminated and potentially contaminated surfaces should be avoided. Walk around (not through) puddles and discolored surfaces. Do not kneel on the ground or place equipment on the ground. Protect equipment from contamination.
- Eating, drinking, or smoking is permitted only in designated areas in the support zone.

Each worker must be supplied with and maintain his/her own personal protective equipment.

9.0 CONFINED SPACE

OSHA published a Final Rule on permit-required confined spaces on January 14, 1993, for General Industry at 29 CFR 1910.146 et seq., with an implementation date of April 15, 1993. The rule specifically excludes agriculture, construction, or shipyard employment. Confined space entry and work within confined spaces is not anticipated to be performed under the proposed scope of work. However, if confined space work is conducted it will be performed in accordance with the applicable OSHA regulations. OSHA defines confined space as:

1. is large enough and so configured that an employee can bodily enter and perform assigned work;
2. has limited or restricted areas for entry or exit (for example, tanks, vessels, silos, storage bins, hoppers, vaults, and pits are spaces that may have limited entry); and
3. is not designed for continuous worker occupancy.

OSHA further requires that an "entry supervisor" (the site designated safety officer) decide at the time of entry whether the space is permit-required or non-permit required space. The site safety officer will monitor the space two hours prior to entry and continuously during work to ensure that the atmosphere is not hazardous. OSHA defines as hazardous atmosphere as:

1. Flammable gas, vapor, or mist in excess of 10 percent of its lower explosive limit (LEL);
2. Airborne combustible dust at a concentration that meets or exceeds its LEL;NOTE: This concentration may be approximated as a condition in which the dust obscures vision at a distance of 5 feet (1.52 m) or less.
3. Atmospheric oxygen concentration below 19.5 percent or above 23.5 percent;
4. Atmospheric concentration of any substance for which a dose or a permissible exposure limit is published in Subpart G, Occupational Health and Environmental Control, or in Subpart Z. Toxic
5. and Hazardous Substances, of this part and which could result in employee exposure in excess of its dose or permissible exposure limit;
6. Any other atmospheric condition that is immediately dangerous to life or health.

A space is non-permit required if none of the above defined hazardous conditions are present. OSHA requires that an attendant (e.g., an individual stationed outside one or more spaces who monitors the entrants and

who performs air monitoring of the space(s)) be assigned to each space. The attendant is not allowed to perform any direct rescue related duties, but is there to communicate with the entrant and call for rescue procedures if required.

The following protocol applies when PWGC employees must enter a confined space:

- The site safety officer evaluates the space and site conditions to determine whether the space must be considered "confined".
- If so, the site safety officer monitors the space for hazardous atmospheres prior to entry and fills out a pre-entry checklist (**Appendix F**) to determine whether an entry-permit is required.
- If there is no hazardous atmosphere, the space will be continuously monitored during the entry to assure that the atmosphere remains non-hazardous.
- If the space contains a hazardous atmosphere, an entry permit (**Appendix F**) will be prepared and the space will only be entered in accordance with 29 CFR 1910.146.

10.0 CONTINGENCY PLAN/EMERGENCY RESPONSE PLAN

Site personnel must be prepared in the event of an emergency. Emergencies can take many forms: illnesses, injuries, chemical exposure, fires, explosions, spills, leaks, releases of harmful contaminants, or sudden changes in the weather.

Emergency telephone numbers and a map to the hospital (Figure 1) will be posted in the command post. Site personnel should be familiar with the emergency procedures, and the locations of site safety, first aid, and communication equipment.

10.1 Emergency Equipment On-site

Private telephones:	Site personnel.
Two-way radios:	Site personnel where necessary.
Emergency Alarms:	On-site vehicle horns*.
First aid kits:	On-site, in vehicles or office.
Fire extinguisher:	On-site, in office or on equipment.

* Horns: Air horns will be supplied to personnel at the discretion of the project manager or site safety officer.

10.2 Emergency Telephone Numbers

General Emergencies - New York City Police/Fire Department/Ambulance	911
Non-Emergency Hotline - New York City Police/Fire Department/Ambulance	311
Local Emergency Medical Center (Bellevue Hospital Center)	1- 212-562-4141
National Response Center	1-800-424-8802
Poison Control	1-212-340-4494
NYSDEC Spills Division	1-800-457-7362
NYSDEC Hazardous Waste Division	1-718-482-4994
NYC Office of Environmental Remediation	1-212-788-8841
NYC Department of Health	1-212-788-4711
PWGC Project Director, James Rhodes	1-631-589-6353
PWGC Project Manager, Thomas Melia	1-631-589-6353
PWGC Site Safety Officer, Juliann Calabrese (or assignee)	1-516-852-7140

A copy of this page shall be posted in the office and a copy is provided in **Appendix G**.

10.3 Personnel Responsibilities During an Emergency

The project manager is primarily responsible for responding to and correcting any emergency situations. However, in the absence of the project manager, the site safety officer shall act as the project manager's on-site designee and perform the following tasks:

- Take appropriate measures to protect personnel including: withdrawal from the exclusion zone, evacuate and secure the site, or upgrade/downgrade the level of protective clothing and respiratory protection;
- Ensure that appropriate federal, state, and local agencies are informed and emergency response plans are coordinated. In the event of fire or explosion, the local fire department should be summoned immediately. If toxic materials are released to the air, the local authorities should be informed in order to assess the need for evacuation;
- Ensure appropriate decontamination, treatment, or testing for exposed or injured personnel;
- Determine the cause of incidents and make recommendations to prevent recurrence; and,
- Ensure that all required reports have been prepared.

The following PWGC key personnel are planned for this project:

- PWGC Project Director — Mr. James Rhodes
- PWGC Project Manager — Mr. Thomas Melia
- PWGC Site Safety Officer — Ms. Juliann Calabrese, or assignee

10.4 Medical Emergencies

A person who becomes ill or injured in the exclusion zone will be decontaminated to the maximum extent possible. If the injury or illness is minor, full decontamination will be completed and first aid administered prior to transport. First aid will be administered while waiting for an ambulance or paramedics. A Field Accident Report (**Appendix G**) must be filled out for any injury.

A person transporting an injured/exposed person to a clinic or hospital for treatment will take the directions to the hospital and information on the chemical(s) to which they may have been exposed (**Appendix G**).

10.5 Fire or Explosion

In the event of a fire or explosion, the local fire department will be summoned immediately. The site safety officer or his designated alternate will advise the fire commander of the location, nature and identification of the hazardous materials on-site. If it is safe to do so, site personnel may:

- use firefighting equipment available on site; or,
- remove or isolate flammable or other hazardous materials that may contribute to the fire.

10.6 Evacuation Routes

Evacuation routes established by work area locations for each site will be reviewed prior to commencing site operations. As the work areas change, the evacuation routes will be altered accordingly, and the new route will be reviewed.

Under extreme emergency conditions, evacuation is to be immediate without regard for equipment. The evacuation signal will be a continuous blast of a vehicle horn, if possible, and/or by verbal/radio communication.

- When evacuating the site, personnel will follow these instructions:
- Keep upwind of smoke, vapors, or spill location.
- Exit through the decontamination corridor if possible.
- If evacuation through the decontamination corridor is not possible, personnel should remove contaminated clothing once they are in a safe location and leave it near the exclusion zone or in a safe place.
- The site safety officer will conduct a head count to ensure that all personnel have been evacuated safely. The head count will be correlated to the site and/or exclusion zone entry/exit log.
- If emergency site evacuation is necessary, all personnel are to escape the emergency situation and decontaminate to the maximum extent practical.

10.7 Spill Control Procedures

Spills associated with site activities may be attributed to project specific heavy equipment and include gasoline, diesel and hydraulic oil. In the event of a leak or a release, site personnel will inform their supervisor immediately, locate the source of spillage and stop the flow if it can be done safely. A spill containment kit including absorbent pads, booms and/or granulated speedy dry absorbent material will be available to site personnel to facilitate the immediate recovery of the spilled material. Daily inspections of site equipment components including hydraulic lines, fuel tanks, etc. will be performed by their respective operators as a preventative measure for equipment leaks and to ensure equipment soundness. In the event of a spill, site personnel will immediately notify the NYSDEC (1-800-457-7362), and a spill number will be generated.

10.8 Vapor Release Plan

If work zone organic vapor (excluding methane) exceeds 5 ppm, then a downwind reading will be made either 200 feet from the work zone or at the property line, whichever is closer. If readings at this location exceed 5 ppm over background, the work will be stopped.

If 5 ppm of VOCs are recorded over background on a PID at the property line, then an off-site reading will be taken within 20 feet of the nearest residential or commercial property, whichever is closer. If efforts to mitigate the emission source are unsuccessful for 30 minutes, then the designated site safety officer will:

- contact the local police;
- continue to monitor air every 30 minutes, 20 feet from the closest off-site property. If two successive readings are below 5 ppm (non-methane), off-site air monitoring will be halted.
- All property line and off site air monitoring locations and results associated with vapor releases will be recorded in the site safety log book.

APPENDIX A
SITE SAFETY ACKNOWLEDGMENT FORM

PWGC
Strategic Environmental Engineering Solutions

SITE SAFETY ACKNOWLEDGMENT FORM

This form serves as documentation that field personnel have read, or have been informed of, and understand the provisions of the HASP/EAP. It is maintained on site by the FTL/SHSO as a project record. Each field team member shall sign this section after site-specific training is completed and before being permitted to work on site.

I have read, or have been informed of, the Health and Safety Plan/Emergency Action Plan and understand the information presented. I will comply with the provisions contained therein.

Name (Print and Sign)	Date

PWGC
Strategic Environmental Engineering Solutions

APPENDIX B
SITE SAFETY PLAN AMENDMENTS

PWGC
Strategic Environmental Engineering Solutions

SITE SAFETY PLAN AMENDMENT FORM

SITE SAFETY PLAN AMENDMENT NUMBER: _____

SITE NAME: _____

REASON FOR AMENDMENT: _____

_____

_____

_____

ALTERNATIVE PROCEDURES: _____

_____

_____

_____

REQUIRED CHANGES IN PPE: _____

_____

_____

_____

_____ _____

PROJECT DIRECTOR DATE

_____ _____

PROJECT MANAGER DATE

_____ _____

SITE SAFETY OFFICER DATE

PWGC
Strategic Environmental Engineering Solutions

APPENDIX C
DRILLING PROTOCOLS

SAFETY PROCEDURES DURING THE OPERATION OF DRILLING/PROBING MACHINESINCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING:

- All site personnel should know the location of the rig emergency shut-off switch prior to beginning operations.
- The rig should be inspected prior to operation to ensure that it is in proper working condition and that all safety devices are functioning.
- Each rig should have a first-aid kit and fire extinguisher which should be inspected to ensure that they are adequate.
- All operators should wear, at a minimum, hard hats, steel-toe safety shoes or boots, gloves and safety glasses. Additional clothing and protective equipment may be required at sites where hazardous conditions are likely. Clothing must be close fitting, without loose ends, straps, draw strings or belts or other unfastened parts that might catch on moving machinery.
- Work areas should be kept free of materials, debris and obstruction, and substances such as grease or oil that could cause a surface to become slick or otherwise hazardous.
- Prior to drilling, the site must be checked to determine whether it can accommodate the rig and supplies and provide a safe working area.
- The drill rig mast (derrick) must be lowered prior to moving between drilling locations.
- The drill rig masts should not be raised if the rig will not be at least 20 feet away from overhead utilities.
- The location of underground utilities should be determined prior to erecting the rig.
- The drill rigs must be properly erected, leveled and stabilized prior to drilling.
- The operator must shut down the vehicle engine before leaving the vicinity of the machine.
- All personnel not directly involved in operating the rig or in sampling should remain clear of the drilling equipment when it is in operation.
- All unattended boreholes must be adequately covered or otherwise protected to prevent trip and fall hazards. All open boreholes should be covered, protected or backfilled as specified in local or state regulations.
- When climbing to or working on a derrick platform that is higher than 20 feet, a safety climbing device should be used.
- The user of wire line hoists, wire rope and hoisting hardware should be as stipulated by the American Iron and Steel Institute Wire Rope User's Manual.

- The rig should be operated in a manner which is consistent with the manufacturers' ratings of speed, force, torque, pressure, flow, etc. The rig and tools should be used for the purposes for which they were intended.

PWGC
Strategic Environmental Engineering Solutions

APPENDIX D
HEAT/COLD STRESS PROTOCOLS

HEAT STRESS

Heat Stress (Hyperthermia)

Heat stress is the body's inability to regulate the core temperature. A worker's susceptibility to heat stress can vary according to his/her physical fitness, degree of acclimation to heat, humidity, age and diet.

1. Prior to site activity, the field team leader may make arrangements for heat stress monitoring (i.e., monitoring heart rate, body temperature, and body water loss) during actual site work if conditions warrant. In addition, the FTL is to ensure that each team member has been acclimatized to the prevailing environmental conditions, that personnel are aware of the signs and symptoms of heat sickness, that they have been adequately trained in first aid procedures, and that there are enough personnel on-site to rotate work assignments and schedule work during hours of reduced temperatures. Personnel should not consume alcoholic or caffeinated beverages but rather drink moderate levels of an electrolyte solution and eat well prior to commencing site work.

2. Although there is no specific test given during a baseline physical that would identify a person's intolerance to heat, some indicators are tobacco or medication use, dietary habits, body weight, and chronic conditions such as high blood pressure or diabetes.

3. *Heat cramps*, caused by profuse perspiration with inadequate fluid intake and salt replacement, most often afflict people in good physical condition who work in high temperature and humidity. Heat cramps usually come on suddenly during vigorous activity. Untreated, heat cramps may progress rapidly to heat exhaustion or heat stroke. First aid treatment: remove victim to a cool place and replace lost fluids with water.

4. Thirst is not an adequate indicator of heat exposure. Drinking fluid by itself does not indicate sufficient water replacement during heat exposure. A general rule, the amount of water administered should replace the amount of water lost, and it should be administered at regular intervals throughout the day. For every half pound of water lost, 8 ounces of water should be ingested. Water should be replaced by drinking 2 – 4 ounce servings during every rest period. A recommended alternative to water is an electrolyte drink split 50/50 with water.

5. Heat exhaustion results from salt and water loss along with peripheral pooling of blood. Like heat cramps, heat exhaustion tends to occur in persons in good physical health who are working in high temperatures and humidity. Heat exhaustion may come on suddenly as dizziness and collapse. Untreated, heat exhaustion may progress to heat stroke.

6. Treatment for heat exhaustion: Move the victim to a cool environment (e.g. air-conditioned room/car), lay victim down and fan him/her. If the air-conditioning is not available, remove the victim to a shaded area, remove shirt, and fan. If symptoms do not subside within an hour, notify 911 to transport to hospital.

7. Heat stroke results from the body's inability to dissipate excess heat. A true medical emergency that requires immediate care, it usually occurs when one ignores the signs of heat exhaustion and continues strenuous activities. Working when the relative humidity exceeds 60% is a particular problem. Workers in the early phase of heat stress may not be coherent of they will be confused, delirious or comatose. Changes in behavior, irritability and combativeness are useful early signs of heat stroke.

8. Treatment of heat stroke: Move the victim to a cool, air-conditioned environment. Place victim in a semi-reclined position with head elevated and strip to underclothing. Cool victim as rapidly as possible, applying ice packs to the arms and legs and massaging the neck and torso. Spray victim with tepid water and constantly fan to promote evaporation. Notify 911 to transport to hospital as soon as possible.

SYMPTOMS OF HEAT STRESS

Heat cramps are caused by heavy sweating with inadequate fluid intake. Symptoms include;

- Muscle cramps
- Cramps in the hands, legs, feet and abdomen

Heat exhaustion occurs when body organs attempt to keep the body cool. Symptoms include;

- Pale, cool moist skin
- Core temperature elevated 1-2o

- Thirst
- Anxiety
- Rapid heart rate
- Heavy sweating
- Dizziness
- Nausea

Heat stroke is the most serious form of heat stress. Immediate action must be taken to cool the body before serious injury and death occur. Symptoms are;

- Red, hot, dry skin
- Lack of perspiration
- Seizures
- Dizziness and confusion
- Strong, rapid pulse
- Core temperature of 104o or above
- Coma

HEAT STRESS INDICATORS

Heat stress indicator:	When to measure:	If Exceeds:	Action:
Heart rate (pulse)	Beginning of rest period	110 beats per minute	Shorten next work period by 33%
Oral temperature	Beginning of rest period	99°F (after thermometer is under tongue for 3 minutes) 100.6°F (after thermometer is under tongue for 3 minutes)	Shorten next work period by 33% Prohibit work in impermeable clothing
Body Weight	1. Before workday begins 2. After workday ends		Increase fluid intake

COLD STRESS

Cold stress (Hypothermia)

In hypothermia the core body temperature drops below 95°F. Hypothermia can be attributed to a decrease in heat production, increased heat loss or both.

Prevention

Institute the following steps to prevent overexposure of workers to cold:

1. Maintain body core temperature at 98.6oF or above by encouraging workers to drink warm liquids during breaks (preferably not coffee) and wear several layers of clothing that can keep the body warm even when the clothing is wet.

2. Avoid frostbite by adequately covering hands, feet and other extremities. Clothing such as insulated gloves or mittens, earmuffs and hat liners should be worn. To prevent contact frostbite (from touching metal and cold surfaces below 20°F), workers should wear gloves. Tool handles should be covered with insulating material.

3. Adjust work schedules to provide adequate rest periods. When feasible, rotate personnel and perform work during the warmer hours of the day.

4. Provide heated shelter. Workers should remove their outer layer(s) of clothing while in the shelter to allow sweat to evaporate.

5. In the event that wind barriers are constructed around an intrusive operation (such as drilling), the enclosure must be properly vented to prevent the buildup of toxic or explosive gases or vapors. Care must be taken to keep a heat source away from flammable substances.

6. Using a wind chill chart such as the one included below, obtain the equivalent chill temperature (ECT) based on actual wind speed and temperature. Refer to the ECT when setting up work warm-up schedules, planning appropriate clothing, etc. Workers should use warming shelters at regular intervals at or below an ECT of 20°F. For exposed skin, continuous exposure should not be permitted at or below an ECT of -25°F.

FROSTBITE

Personnel should be aware of symptoms of frostbite/hypothermia. If the following symptoms are noticed in any worker, he/she should immediately go to a warm shelter.

Condition	Skin Surface	Tissue Under Skin	Skin Color
Frostnip	Soft	Soft	Initially red, then white
Frostbite	Hard	Soft	White and waxy
Freezing	Hard	Hard	Blotchy, white to yellow-grey to grey

1. Frostnip is the incipient stage of frostbite, brought about by direct contact with a cold object or exposure of a body part to cool/cold air. Wind chill or cold water also can be major factors. This condition is not serious. Tissue damage is minor and the response to care is good. The tip of the nose, tips of ears, upper cheeks and fingers (all areas generally exposed) are most susceptible to frostnip.

2. Treatment of frostnip: Care for frostnip by warming affected areas. Usually the worker can apply warmth from his/her bare hands, blow warm air on the site, or, if the fingers are involved, hold them in the armpits. During recovery, the worker may complain of tingling or burning sensation, which is normal. If the condition does not respond to this simple care, begin treatment for frostbite.

3. Frostbite: The skin and subcutaneous layers become involved. If frostnip goes untreated, it becomes superficial frostbite. This condition is serious. Tissue damage may be serious. The worker must be transported to a medical facility for evaluation. The tip of the nose, tips of ears, upper cheeks and fingers (all areas generally exposed) are most susceptible to frostbite. The affected area will feel frozen, but only on the surface. The tissue below the surface must still be soft and have normal response to touch. DO NOT squeeze or poke the tissue. The condition of the deeper tissues can be determined by gently palpating the affected area. The skin will turn mottled or blotchy. It may also be white and then turn grayish-yellow.

4. Treatment of frostbite: When practical, transport victim as soon as possible. Get the worker inside and keep him/her warm. Do not allow any smoking or alcohol consumption. Thaw frozen parts by

immersion, re-warming in a 100°F to 106°F water bath. Water temperature will drop rapidly, requiring additional warm water throughout the process. Cover the thawed part with a dry sterile dressing. Do not puncture or drain any blisters. NOTE: Never listen to myths and folk tales about the care of frostbite. Never rub a frostbitten or frozen area. Never rub snow on a frostbitten or frozen area. Rubbing the area may cause serious damage to already injured tissues. Do not attempt to thaw a frozen area if there is any chance it will be re-frozen.

5. General cooling/Hypothermia: General cooling of the body is known as systemic hypothermia. This condition is not a common problem unless workers are exposed to cold for prolonged periods of time without any shelter.

Body Temp (°F)	Body Temp (°C)	Symptoms
99-96	37-35.5	Intense uncontrollable shivering
95-91	35.5-32.7	Violent shivering persists. If victim is conscious, has difficulty speaking.
90-86	32.6-30	Shivering decreases and is replaced by strong muscular rigidity. Muscle coordination is affected. Erratic or jerkey movements are produced. Thinking is less clear. General comprehension is dulled. There may be total amnesia. The worker is generally still able to maintain the appearance of psychological contact with his surroundings.
85-81	29.9-27.2	Victim becomes irrational, loses contact with his environment, and drifts into a stupor. Muscular rigidity continues. Pulse and respirations are slow and the worker may develop cardiac arrhythmias.
80-78	27.1-25.5	Victim becomes unconscious. He does not respond to the spoken word. Most reflexes cease to function. Heartbeat becomes erratic
Below 78	Below 25.5	Cardiac and respiratory centers of the brain fail. Ventricular fibrillation occurs; probably edema and hemorrhage in the lungs; death.

6. Treatment of hypothermia: Keep worker dry. Remove any wet clothing and replace with dry clothes, or wrap person in dry blankets. Keep person at rest. Do not allow him/her to move around. Transport the victim to a medical facility as soon as possible.

COOLING POWER OF WIND ON EXPOSED FLESH EXPRESSED AS AN EQUIVALENT TEMPERATURE (UNDER CALM CONDITIONS)

Estimated wind Speed (in mph)	Actual Temperature Reading (^{0}F)P											
	50	40	30	20	10	0	10	20	30	40	50	60
	Equivalent Chill Temperature (^{0}F)											
Calm	50	40	30	20	10	0	-10	-20	-30	-40	-50	-60
5	48	37	27	16	6	-5	-15	-26	-36	-47	-57	-68
10	40	28	15	4	-9	-24	-33	-46	-58	-70	-83	-95
15	36	22	9	-5	-18	-32	-45	-58	-72	-85	-99	-112
20	32	18	4	-10	-25	-39	-53	-67	-82	-96	-110	-121
25	30	16	0	-15	-29	-44	-59	-74	-88	-104	-118	-133
30	28	13	-2	-18	-33	-48	-63	-79	-94	-109	-125	-140
35	27	11	-4	-20	-35	-51	-67	-82	-98	-113	-129	-145
40	26	10	-6	-21	-37	-53	-69	-85	-100	-116	-132	-146
(Wind speeds greater than 40 mph have little additional effect.)	LITTLE DANGER in < hr with dry skin. Maximum danger of false sense of security.				INCREASING DANGER Danger from freezing of exposed flesh within one minute			GREAT DANGER Flesh may freeze within 30 seconds.				
	Trench foot and imersion foot may occur at any point on this chart											

Developed by U.S. Army Research Institute of Environmental Medicine, Natick, MA.

(1) Reproduced from American Conference of Governmental Industrial Hygienists, Threshold Limit Values and Biological Exposure Indices for 1985-1986, p.01.

PWGC
Strategic Environmental Engineering Solutions

APPENDIX E
CHEMICAL HAZARDS

Benzene

Synonyms & Trade Names Benzol, Phenyl hydride

CAS No.	RTECS No.	DOT ID & Guide
71-43-2	CY1400000 (/niosh-rtecs/CY155CCo.html)	1114 130 (http://wwwapps.tc.gc.ca/saf-sec-sur/3/erg-gmu/erg/guidepage.aspx?guide=130) (http://www.cdc.gov/Other/disclaimer.html)
Formula C_6H_6	**Conversion** 1 ppm = 3.19 mg/m3	**IDLH** Ca [500 ppm] See: 71432 (/niosh/idlh/71432.html)

Exposure Limits

NIOSH REL : Ca TWA 0.1 ppm ST 1 ppm See Appendix A (nengapdxa.html)
OSHA PEL : [1910.1028] TWA 1 ppm ST 5 ppm See Appendix F (nengapdxf.html)

Measurement Methods
NIOSH 1500 (/niosh/docs/2003-154/pdfs/1500.pdf), 1501 (/niosh/docs/2003-154/pdfs/1501.pdf), 3700 (/niosh/docs/2003-154/pdfs/3700.pdf), 3800 (/niosh/docs/2003-154/pdfs/3800.pdf);
OSHA 12 (http://www.osha.gov/dts/sltc/methods/organic/org012/org012.html) (http://www.cdc.gov/Other/disclaimer.html), 1005 (http://www.osha.gov/dts/sltc/methods/validated/1005/1005.html) (http://www.cdc.gov/Other/disclaimer.html)
See: NMAM (/niosh/docs/2003-154/) or OSHA Methods (http://www.osha.gov/dts/sltc/methods/index.html) (http://www.cdc.gov/Other/disclaimer.html)

Physical Description Colorless to light-yellow liquid with an aromatic odor. [Note: A solid below 42°F.]

MW:	BP:	FRZ:	Sol:	VP:	IP:
78.1	176°F	42°F	0.07%	75 mmHg	9.24 eV
Sp.Gr:	**Fl.P:**	**UEL:**	**LEL:**		
0.88	12°F	7.8%	1.2%		

Class IB Flammable Liquid: Fl.P. below 73°F and BP at or above 100°F.

Incompatibilities & Reactivities Strong oxidizers, many fluorides & perchlorates, nitric acid

Exposure Routes inhalation, skin absorption, ingestion, skin and/or eye contact

Symptoms irritation eyes, skin, nose, respiratory system; dizziness; headache, nausea, staggered gait; anorexia, lassitude (weakness, exhaustion); dermatitis; bone marrow depression; [potential occupational carcinogen]

Target Organs Eyes, skin, respiratory system, blood, central nervous system, bone marrow

Cancer Site [leukemia]

Personal Protection/Sanitation (See protection codes (protect.html))
Skin: Prevent skin contact
Eyes: Prevent eye contact
Wash skin: When contaminated
Remove: When wet (flammable)
Change: No recommendation
Provide: Eyewash, Quick drench

First Aid (See procedures (firstaid.html))
Eye: Irrigate immediately
Skin: Soap wash immediately
Breathing: Respiratory support
Swallow: Medical attention immediately

Respirator Recommendations
(See Appendix E) (nengapdxe.html)

NIOSH

At concentrations above the NIOSH REL, or where there is no REL, at any detectable concentration:
(APF = 10,000) Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode
(APF = 10,000) Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained positive-pressure breathing apparatus

Escape:
(APF = 50) Any air-purifying, full-facepiece respirator (gas mask) with a chin-style, front- or back-mounted organic vapor canister
Any appropriate escape-type, self-contained breathing apparatus

Important additional information about respirator selection (pgintrod.html#mustread)

See also: INTRODUCTION (/niosh/npg/pgintrod.html) See ICSC CARD: 0015 (/niosh/ipcsneng/neng0015.html) See MEDICAL TESTS: 0022 (/niosh/docs/2005-110/nmed0022.html)

Page last reviewed: April 4, 2011
Page last updated: November 18, 2010
Content source: National Institute for Occupational Safety and Health (NIOSH) Education and Information Division

Centers for Disease Control and Prevention 1600 Clifton Rd. Atlanta, GA 30333, USA
800-CDC-INFO (800-232-4636) TTY: (888) 232-6348 - Contact CDC–INFO

Ethyl benzene

Synonyms & Trade Names Ethylbenzol, Phenylethane		
CAS No. 100-41-4	**RTECS No.** DA0700000 (/niosh-rtecs/DAAAE60.html)	**DOT ID & Guide** 1175 130 (http://wwwapps.tc.gc.ca/saf-sec-sur/3/erg-gmu/erg/guidepage.aspx?guide=130) (http://www.cdc.gov/Other/disclaimer.html)
Formula $CH_3CH_2C_6H_5$	**Conversion** 1 ppm = 4.34 mg/m3	**IDLH** 800 ppm [10%LEL] See: 100414 (/niosh/idlh/100414.html)
Exposure Limits **NIOSH REL** : TWA 100 ppm (435 mg/m3) ST 125 ppm (545 mg/m3) **OSHA PEL** † (nengapdxg.html) : TWA 100 ppm (435 mg/m3)		**Measurement Methods** **NIOSH** 1501 (/niosh/docs/2003-154/pdfs/1501.pdf) ; **OSHA** 7 (http://www.osha.gov/dts/sltc/methods/organic/org001/org001.html) (http://www.cdc.gov/Other/disclaimer.html) , 1002 (http://www.osha.gov/dts/sltc/methods/mdt/mdt1002/1002.html) (http://www.cdc.gov/Other/disclaimer.html) See: NMAM (/niosh/docs/2003-154/) or OSHA Methods (http://www.osha.gov/dts/sltc/methods/index.html) (http://www.cdc.gov/Other/disclaimer.html)

Physical Description Colorless liquid with an aromatic odor.

MW:	BP:	FRZ:	Sol:	VP:	IP:
106.2	277°F	-139°F	0.01%	7 mmHg	8.76 eV
Sp.Gr:	**Fl.P:**	**UEL:**	**LEL:**		
0.87	55°F	6.7%	0.8%		

Class IB Flammable Liquid: Fl.P. below 73°F and BP at or above 100°F.

Incompatibilities & Reactivities Strong oxidizers

Exposure Routes inhalation, ingestion, skin and/or eye contact

Symptoms irritation eyes, skin, mucous membrane; headache; dermatitis; narcosis, coma

Target Organs Eyes, skin, respiratory system, central nervous system

Personal Protection/Sanitation (See protection codes (protect.html)) **Skin:** Prevent skin contact **Eyes:** Prevent eye contact **Wash skin:** When contaminated **Remove:** When wet (flammable) **Change:** No recommendation	**First Aid** (See procedures (firstaid.html)) **Eye:** Irrigate immediately **Skin:** Water flush promptly **Breathing:** Respiratory support **Swallow:** Medical attention immediately

Respirator Recommendations

NIOSH/OSHA

Up to 800 ppm:
(APF = 10) Any chemical cartridge respirator with organic vapor cartridge(s)*
(APF = 50) Any air-purifying, full-facepiece respirator (gas mask) with a chin-style, front- or back-mounted organic vapor canister
(APF = 25) Any powered, air-purifying respirator with organic vapor cartridge(s)*
(APF = 10) Any supplied-air respirator*
(APF = 50) Any self-contained breathing apparatus with a full facepiece

Emergency or planned entry into unknown concentrations or IDLH conditions:
(APF = 10,000) Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode
(APF = 10,000) Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained positive-pressure breathing apparatus

Escape:
(APF = 50) Any air-purifying, full-facepiece respirator (gas mask) with a chin-style, front- or back-mounted organic vapor canister
Any appropriate escape-type, self-contained breathing apparatus

Important additional information about respirator selection (pgintrod.html#mustread)

See also: INTRODUCTION (/niosh/npg/pgintrod.html) See ICSC CARD: 0268 (/niosh/ipcsneng/neng0268.html)
See MEDICAL TESTS: 0098 (/niosh/docs/2005-110/nmed0098.html)

Page last reviewed: April 4, 2011
Page last updated: November 18, 2010
Content source: National Institute for Occupational Safety and Health (NIOSH) Education and Information Division

Centers for Disease Control and Prevention 1600 Clifton Rd. Atlanta, GA 30333, USA
800-CDC-INFO (800-232-4636) TTY: (888) 232-6348 - Contact CDC–INFO

Toluene

Synonyms & Trade Names Methyl benzene, Methyl benzol, Phenyl methane, Toluol

CAS No. 108-88-3	**RTECS No.** XS5250000 (/niosh-rtecs/XS501BDo.html)	**DOT ID & Guide** 1294 130 (http://wwwapps.tc.gc.ca/saf-sec-sur/3/erg-gmu/erg/guidepage.aspx?guide=130) (http://www.cdc.gov/Other/disclaimer.html)
Formula $C_6H_5CH_3$	**Conversion** 1 ppm = 3.77 mg/m3	**IDLH** 500 ppm See: 108883 (/niosh/idlh/108883.html)

Exposure Limits

NIOSH REL : TWA 100 ppm (375 mg/m3) ST 150 ppm (560 mg/m3)

OSHA PEL † (nengapdxg.html) : TWA 200 ppm C 300 ppm 500 ppm (10-minute maximum peak)

Measurement Methods

NIOSH 1500 (/niosh/docs/2003-154/pdfs/1500.pdf) , 1501 (/niosh/docs/2003-154/pdfs/1501.pdf) , 3800 (/niosh/docs/2003-154/pdfs/3800.pdf) , 4000 (/niosh/docs/2003-154/pdfs/4000.pdf) ;

OSHA 111 (http://www.osha.gov/dts/sltc/methods/organic/org111/org111.html) (http://www.cdc.gov/Other/disclaimer.html)

See: NMAM (/niosh/docs/2003-154/) or OSHA Methods (http://www.osha.gov/dts/sltc/methods/index.html) (http://www.cdc.gov/Other/disclaimer.html)

Physical Description Colorless liquid with a sweet, pungent, benzene-like odor.

MW:	BP:	FRZ:	Sol(74°F):	VP:	IP:
92.1	232°F	-139°F	0.07%	21 mmHg	8.82 eV

Sp.Gr:	Fl.P:	UEL:	LEL:
0.87	40°F	7.1%	1.1%

Class IB Flammable Liquid: Fl.P. below 73°F and BP at or above 100°F.

Incompatibilities & Reactivities Strong oxidizers

Exposure Routes inhalation, skin absorption, ingestion, skin and/or eye contact

Symptoms irritation eyes, nose; lassitude (weakness, exhaustion), confusion, euphoria, dizziness, headache; dilated pupils, lacrimation (discharge of tears); anxiety, muscle fatigue, insomnia; paresthesia; dermatitis; liver, kidney damage

Target Organs Eyes, skin, respiratory system, central nervous system, liver, kidneys

Personal Protection/Sanitation (See protection codes (protect.html))
Skin: Prevent skin contact

First Aid (See procedures (firstaid.html))
Eye: Irrigate immediately
Skin: Soap wash promptly

Eyes: Prevent eye contact
Wash skin: When contaminated
Remove: When wet (flammable)
Change: No recommendation

Breathing: Respiratory support
Swallow: Medical attention immediately

Respirator Recommendations

NIOSH

Up to 500 ppm:
(APF = 10) Any chemical cartridge respirator with organic vapor cartridge(s)*
(APF = 25) Any powered, air-purifying respirator with organic vapor cartridge(s)*
(APF = 50) Any air-purifying, full-facepiece respirator (gas mask) with a chin-style, front- or back-mounted organic vapor canister
(APF = 10) Any supplied-air respirator*
(APF = 50) Any self-contained breathing apparatus with a full facepiece

Emergency or planned entry into unknown concentrations or IDLH conditions:
(APF = 10,000) Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode
(APF = 10,000) Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained positive-pressure breathing apparatus

Escape:
(APF = 50) Any air-purifying, full-facepiece respirator (gas mask) with a chin-style, front- or back-mounted organic vapor canister
Any appropriate escape-type, self-contained breathing apparatus

Important additional information about respirator selection (pgintrod.html#mustread)

See also: INTRODUCTION (/niosh/npg/pgintrod.html) See ICSC CARD: 0078 (/niosh/ipcsneng/neng0078.html) See MEDICAL TESTS: 0232 (/niosh/docs/2005-110/nmed0232.html)

Page last reviewed: April 4, 2011
Page last updated: November 18, 2010
Content source: National Institute for Occupational Safety and Health (NIOSH) Education and Information Division

Centers for Disease Control and Prevention 1600 Clifton Rd. Atlanta, GA 30333, USA
800-CDC-INFO (800-232-4636) TTY: (888) 232-6348 - Contact CDC–INFO

p-Xylene

Synonyms & Trade Names 1,4-Dimethylbenzene; para-Xylene; p-Xylol

CAS No. 106-42-3	**RTECS No.** ZE2625000 (/niosh-rtecs/ZE280DE8.html)	**DOT ID & Guide** 1307 130 (http://wwwapps.tc.gc.ca/saf-sec-sur/3/erg-gmu/erg/guidepage.aspx?guide=130) (http://www.cdc.gov/Other/disclaimer.html)
Formula $C_6H_4(CH_3)_2$	**Conversion** 1 ppm = 4.41 mg/m³	**IDLH** 900 ppm See: 95476 (/niosh/idlh/95476.html)
Exposure Limits **NIOSH REL** : TWA 100 ppm (435 mg/m³) ST 150 ppm (655 mg/m³) **OSHA PEL** † (nengapdxg.html) : TWA 100 ppm (435 mg/m³)		**Measurement Methods** **NIOSH** 1501 (/niosh/docs/2003-154/pdfs/1501.pdf), 3800 (/niosh/docs/2003-154/pdfs/3800.pdf); **OSHA** 1002 (http://www.osha.gov/dts/sltc/methods/mdt/mdt1002/1002.html) (http://www.cdc.gov/Other/disclaimer.html) See: NMAM (/niosh/docs/2003-154/) or OSHA Methods (http://www.osha.gov/dts/sltc/methods/index.html) (http://www.cdc.gov/Other/disclaimer.html)

Physical Description Colorless liquid with an aromatic odor. [Note: A solid below 56°F.]

MW:	BP:	FRZ:	Sol:	VP:	IP:
106.2	281°F	56°F	0.02%	9 mmHg	8.44 eV

Sp.Gr:	Fl.P:	UEL:	LEL:
0.86	81°F	7.0%	1.1%

Class IC Flammable Liquid: Fl.P. at or above 73°F and below 100°F.

Incompatibilities & Reactivities Strong oxidizers, strong acids

Exposure Routes inhalation, skin absorption, ingestion, skin and/or eye contact

Symptoms irritation eyes, skin, nose, throat; dizziness, excitement, drowsiness, incoordination, staggering gait; corneal vacuolization; anorexia, nausea, vomiting, abdominal pain; dermatitis

Target Organs Eyes, skin, respiratory system, central nervous system, gastrointestinal tract, blood, liver, kidneys

Personal Protection/Sanitation (See protection codes (protect.html)) **Skin:** Prevent skin contact **Eyes:** Prevent eye contact **Wash skin:** When contaminated **Remove:** When wet (flammable)	**First Aid** (See procedures (firstaid.html)) **Eye:** Irrigate immediately **Skin:** Soap wash promptly **Breathing:** Respiratory support **Swallow:** Medical attention immediately

Change: No recommendation

Respirator Recommendations

NIOSH/OSHA

Up to 900 ppm:
(APF = 10) Any chemical cartridge respirator with organic vapor cartridge(s)*
(APF = 25) Any powered, air-purifying respirator with organic vapor cartridge(s)*
(APF = 10) Any supplied-air respirator*
(APF = 50) Any self-contained breathing apparatus with a full facepiece

Emergency or planned entry into unknown concentrations or IDLH conditions:
(APF = 10,000) Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode
(APF = 10,000) Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained positive-pressure breathing apparatus

Escape:
(APF = 50) Any air-purifying, full-facepiece respirator (gas mask) with a chin-style, front- or back-mounted organic vapor canister
Any appropriate escape-type, self-contained breathing apparatus

Important additional information about respirator selection (pgintrod.html#mustread)

See also: INTRODUCTION (/niosh/npg/pgintrod.html) See ICSC CARD: 0086 (/niosh/ipcsneng/neng0086.html)

Page last reviewed: April 4, 2011
Page last updated: November 18, 2010
Content source: National Institute for Occupational Safety and Health (NIOSH) Education and Information Division

Centers for Disease Control and Prevention 1600 Clifton Rd. Atlanta, GA 30333, USA
800-CDC-INFO (800-232-4636) TTY: (888) 232-6348 - Contact CDC–INFO

o-Xylene

Synonyms & Trade Names 1,2-Dimethylbenzene; ortho-Xylene; o-Xylol

CAS No. 95-47-6	**RTECS No.** ZE2450000 (/niosh-rtecs/ZE256250.html)	**DOT ID & Guide** 1307 130 (http://wwwapps.tc.gc.ca/saf-sec-sur/3/erg-gmu/erg/guidepage.aspx?guide=130) (http://www.cdc.gov/Other/disclaimer.html)
Formula $C_6H_4(CH_3)_2$	**Conversion** 1 ppm = 4.34 mg/m³	**IDLH** 900 ppm See: 95476 (/niosh/idlh/95476.html)

Exposure Limits
NIOSH REL : TWA 100 ppm (435 mg/m³)
ST 150 ppm (655 mg/m³)
OSHA PEL † (nengapdxg.html) : TWA 100 ppm (435 mg/m³)

Measurement Methods
NIOSH 1501 (/niosh/docs/2003-154/pdfs/1501.pdf), 3800 (/niosh/docs/2003-154/pdfs/3800.pdf);
OSHA 1002 (http://www.osha.gov/dts/sltc/methods/mdt/mdt1002/1002.html) (http://www.cdc.gov/Other/disclaimer.html)
See: NMAM (/niosh/docs/2003-154/) or OSHA Methods (http://www.osha.gov/dts/sltc/methods/index.html) (http://www.cdc.gov/Other/disclaimer.html)

Physical Description Colorless liquid with an aromatic odor.

MW:	BP:	FRZ:	Sol:	VP:	IP:
106.2	292°F	-13°F	0.02%	7 mmHg	8.56 eV

Sp.Gr:	Fl.P:	UEL:	LEL:
0.88	90°F	6.7%	0.9%

Class IC Flammable Liquid: Fl.P. at or above 73°F and below 100°F.

Incompatibilities & Reactivities Strong oxidizers, strong acids

Exposure Routes inhalation, skin absorption, ingestion, skin and/or eye contact

Symptoms irritation eyes, skin, nose, throat; dizziness, excitement, drowsiness, incoordination, staggering gait; corneal vacuolization; anorexia, nausea, vomiting, abdominal pain; dermatitis

Target Organs Eyes, skin, respiratory system, central nervous system, gastrointestinal tract, blood, liver, kidneys

Personal Protection/Sanitation (See protection codes (protect.html))
Skin: Prevent skin contact
Eyes: Prevent eye contact
Wash skin: When contaminated
Remove: When wet (flammable)

First Aid (See procedures (firstaid.html))
Eye: Irrigate immediately
Skin: Soap wash promptly
Breathing: Respiratory support
Swallow: Medical attention immediately

Remove: When wet (flammable)
Change: No recommendation

Respirator Recommendations

NIOSH/OSHA

Up to 900 ppm:
(APF = 10) Any chemical cartridge respirator with organic vapor cartridge(s)*
(APF = 25) Any powered, air-purifying respirator with organic vapor cartridge(s)*
(APF = 10) Any supplied-air respirator*
(APF = 50) Any self-contained breathing apparatus with a full facepiece

Emergency or planned entry into unknown concentrations or IDLH conditions:
(APF = 10,000) Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode
(APF = 10,000) Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained positive-pressure breathing apparatus

Escape:
(APF = 50) Any air-purifying, full-facepiece respirator (gas mask) with a chin-style, front- or back-mounted organic vapor canister
Any appropriate escape-type, self-contained breathing apparatus

Important additional information about respirator selection (pgintrod.html#mustread)

See also: INTRODUCTION (/niosh/npg/pgintrod.html) See ICSC CARD: 0084 (/niosh/ipcsneng/neng0084.html)

Page last reviewed: April 4, 2011
Page last updated: November 18, 2010
Content source: National Institute for Occupational Safety and Health (NIOSH) Education and Information Division

Centers for Disease Control and Prevention 1600 Clifton Rd. Atlanta, GA 30333, USA
800-CDC-INFO (800-232-4636) TTY: (888) 232-6348 - Contact CDC–INFO

m-Xylene

Synonyms & Trade Names 1,3-Dimethylbenzene; meta-Xylene; m-Xylol

CAS No. 108-38-3	**RTECS No.** ZE2275000 (/niosh-rtecs/ZE22B6B8.html)	**DOT ID & Guide** 1307 130 (http://wwwapps.tc.gc.ca/saf-sec-sur/3/erg-gmu/erg/guidepage.aspx?guide=130) (http://www.cdc.gov/Other/disclaimer.html)
Formula $C_6H_4(CH_3)_2$	**Conversion** 1 ppm = 4.34 mg/m³	**IDLH** 900 ppm See: 95476 (/niosh/idlh/95476.html)
Exposure Limits **NIOSH REL** : TWA 100 ppm (435 mg/m³) ST 150 ppm (655 mg/m³) **OSHA PEL** † (nengapdxg.html) : TWA 100 ppm (435 mg/m³)		**Measurement Methods** **NIOSH** 1501 (/niosh/docs/2003-154/pdfs/1501.pdf), 3800 (/niosh/docs/2003-154/pdfs/3800.pdf); **OSHA** 1002 (http://www.osha.gov/dts/sltc/methods/mdt/mdt1002/1002.html) (http://www.cdc.gov/Other/disclaimer.html) See: NMAM (/niosh/docs/2003-154/) or OSHA Methods (http://www.osha.gov/dts/sltc/methods/index.html) (http://www.cdc.gov/Other/disclaimer.html)

Physical Description Colorless liquid with an aromatic odor.

MW:	BP:	FRZ:	Sol:	VP:	IP:
106.2	282°F	-54°F	Slight	9 mmHg	8.56 eV
Sp.Gr:	**Fl.P:**	**UEL:**	**LEL:**		
0.86	82°F	7.0%	1.1%		

Class IC Flammable Liquid: Fl.P. at or above 73°F and below 100°F.

Incompatibilities & Reactivities Strong oxidizers, strong acids

Exposure Routes inhalation, skin absorption, ingestion, skin and/or eye contact

Symptoms irritation eyes, skin, nose, throat; dizziness, excitement, drowsiness, incoordination, staggering gait; corneal vacuolization; anorexia, nausea, vomiting, abdominal pain; dermatitis

Target Organs Eyes, skin, respiratory system, central nervous system, gastrointestinal tract, blood, liver, kidneys

Personal Protection/Sanitation (See protection codes (protect.html)) **Skin:** Prevent skin contact **Eyes:** Prevent eye contact **Wash skin:** When contaminated **Remove:** When wet (flammable)	**First Aid** (See procedures (firstaid.html)) **Eye:** Irrigate immediately **Skin:** Soap wash promptly **Breathing:** Respiratory support **Swallow:** Medical attention immediately

Change: No recommendation

Respirator Recommendations

NIOSH/OSHA

Up to 900 ppm:
(APF = 10) Any chemical cartridge respirator with organic vapor cartridge(s)*
(APF = 25) Any powered, air-purifying respirator with organic vapor cartridge(s)*
(APF = 10) Any supplied-air respirator*
(APF = 50) Any self-contained breathing apparatus with a full facepiece

Emergency or planned entry into unknown concentrations or IDLH conditions:
(APF = 10,000) Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode
(APF = 10,000) Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained positive-pressure breathing apparatus

Escape:
(APF = 50) Any air-purifying, full-facepiece respirator (gas mask) with a chin-style, front- or back-mounted organic vapor canister
Any appropriate escape-type, self-contained breathing apparatus

Important additional information about respirator selection (pgintrod.html#mustread)

See also: INTRODUCTION (/niosh/npg/pgintrod.html) See ICSC CARD: 0085 (/niosh/ipcsneng/neng0085.html)

Page last reviewed: April 4, 2011
Page last updated: November 18, 2010
Content source: National Institute for Occupational Safety and Health (NIOSH) Education and Information Division

Centers for Disease Control and Prevention 1600 Clifton Rd. Atlanta, GA 30333, USA
800-CDC-INFO (800-232-4636) TTY: (888) 232-6348 - Contact CDC–INFO

Tetrachloroethylene

Synonyms & Trade Names Perchlorethylene, Perchloroethylene, Perk, Tetrachlorethylene

CAS No. 127-18-4	**RTECS No.** KX3850000 (/niosh-rtecs/KX3ABF10.html)	**DOT ID & Guide** 1897 160 (http://wwwapps.tc.gc.ca/saf-sec-sur/3/erg-gmu/erg/guidepage.aspx?guide=160) (http://www.cdc.gov/Other/disclaimer.html)
Formula $Cl_2C=CCl_2$	**Conversion** 1 ppm = 6.78 mg/m3	**IDLH** Ca [150 ppm] See: 127184 (/niosh/idlh/127184.html)
Exposure Limits **NIOSH REL** : Ca Minimize workplace exposure concentrations. See Appendix A (nengapdxa.html) **OSHA PEL** † (nengapdxg.html) : TWA 100 ppm C 200 ppm (for 5 minutes in any 3-hour period), with a maximum peak of 300 ppm		**Measurement Methods** **NIOSH** 1003 (/niosh/docs/2003-154/pdfs/1003.pdf) ; **OSHA** 1001 (http://www.osha.gov/dts/sltc/methods/mdt/mdt1001/1001.html) (http://www.cdc.gov/Other/disclaimer.html) See: NMAM (/niosh/docs/2003-154/) or OSHA Methods (http://www.osha.gov/dts/sltc/methods/index.html) (http://www.cdc.gov/Other/disclaimer.html)

Physical Description Colorless liquid with a mild, chloroform-like odor.

MW:	BP:	FRZ:	Sol:	VP:	IP:
165.8	250°F	-2°F	0.02%	14 mmHg	9.32 eV
Sp.Gr:	**Fl.P:**	**UEL:**	**LEL:**		
1.62	NA	NA	NA		

Noncombustible Liquid, but decomposes in a fire to hydrogen chloride and phosgene.

Incompatibilities & Reactivities Strong oxidizers; chemically-active metals such as lithium, beryllium & barium; caustic soda; sodium hydroxide; potash

Exposure Routes inhalation, skin absorption, ingestion, skin and/or eye contact

Symptoms irritation eyes, skin, nose, throat, respiratory system; nausea; flush face, neck; dizziness, incoordination; headache, drowsiness; skin erythema (skin redness); liver damage; [potential occupational carcinogen]

Target Organs Eyes, skin, respiratory system, liver, kidneys, central nervous system

Cancer Site [in animals: liver tumors]

Personal Protection/Sanitation (See protection codes (protect.html))
Skin: Prevent skin contact
Eyes: Prevent eye contact
Wash skin: When contaminated
Remove: When wet or contaminated
Change: No recommendation
Provide: Eyewash, Quick drench

First Aid (See procedures (firstaid.html))
Eye: Irrigate immediately
Skin: Soap wash promptly
Breathing: Respiratory support
Swallow: Medical attention immediately

Respirator Recommendations

NIOSH

At concentrations above the NIOSH REL, or where there is no REL, at any detectable concentration:
(APF = 10,000) Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode
(APF = 10,000) Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained positive-pressure breathing apparatus

Escape:
(APF = 50) Any air-purifying, full-facepiece respirator (gas mask) with a chin-style, front- or back-mounted organic vapor canister
Any appropriate escape-type, self-contained breathing apparatus

Important additional information about respirator selection (pgintrod.html#mustread)

See also: INTRODUCTION (/niosh/npg/pgintrod.html) See ICSC CARD: 0076 (/niosh/ipcsneng/neng0076.html) See MEDICAL TESTS: 0179 (/niosh/docs/2005-110/nmed0179.html)

Page last reviewed: April 4, 2011
Page last updated: November 18, 2010
Content source: National Institute for Occupational Safety and Health (NIOSH) Education and Information Division

Centers for Disease Control and Prevention 1600 Clifton Rd. Atlanta, GA 30333, USA
800-CDC-INFO (800-232-4636) TTY: (888) 232-6348 - Contact CDC–INFO

Trichloroethylene

Synonyms & Trade Names Ethylene trichloride, TCE, Trichloroethene, Trilene

CAS No. 79-01-6	**RTECS No.** KX4550000 (/niosh-rtecs/KX456D70.html)	**DOT ID & Guide** 1710 160 (http://wwwapps.tc.gc.ca/saf-sec-sur/3/erg-gmu/erg/guidepage.aspx?guide=160) (http://www.cdc.gov/Other/disclaimer.html)
Formula $ClCH=CCl_2$	**Conversion** 1 ppm = 5.37 mg/m3	**IDLH** Ca [1000 ppm] See: 79016 (/niosh/idlh/79016.html)
Exposure Limits **NIOSH REL** : Ca See Appendix A (nengapdxa.html) See Appendix C (nengapdxc.html) **OSHA PEL** † (nengapdxg.html) : TWA 100 ppm C 200 ppm 300 ppm (5-minute maximum peak in any 2 hours)		**Measurement Methods** **NIOSH** 1022 (/niosh/docs/2003-154/pdfs/1022.pdf) , 3800 (/niosh/docs/2003-154/pdfs/3800.pdf) ; **OSHA** 1001 (http://www.osha.gov/dts/sltc/methods/mdt/mdt1001/1001.html) (http://www.cdc.gov/Other/disclaimer.html) See: NMAM (/niosh/docs/2003-154/) or OSHA Methods (http://www.osha.gov/dts/sltc/methods/index.html) (http://www.cdc.gov/Other/disclaimer.html)

Physical Description Colorless liquid (unless dyed blue) with a chloroform-like odor.

MW: 131.4	**BP:** 189°F	**FRZ:** -99°F	**Sol:** 0.1%	**VP:** 58 mmHg	**IP:** 9.45 eV
Sp.Gr: 1.46	**Fl.P:** ?	UEL(77°F): 10.5%	LEL(77°F): 8%		

Combustible Liquid, but burns with difficulty.

Incompatibilities & Reactivities Strong caustics & alkalis; chemically-active metals (such as barium, lithium, sodium, magnesium, titanium & beryllium)

Exposure Routes inhalation, skin absorption, ingestion, skin and/or eye contact

Symptoms irritation eyes, skin; headache, visual disturbance, lassitude (weakness, exhaustion), dizziness, tremor, drowsiness, nausea, vomiting; dermatitis; cardiac arrhythmias, paresthesia; liver injury; [potential occupational carcinogen]

Target Organs Eyes, skin, respiratory system, heart, liver, kidneys, central nervous system

Cancer Site [in animals: liver & kidney cancer]

Personal Protection/Sanitation (See protection codes (protect.html))	**First Aid** (See procedures (firstaid.html)) **Eye:** Irrigate immediately

codes (protective)

Skin: Prevent skin contact
Eyes: Prevent eye contact
Wash skin: When contaminated
Remove: When wet or contaminated
Change: No recommendation
Provide: Eyewash, Quick drench

Eye: Irrigate immediately
Skin: Soap wash promptly
Breathing: Respiratory support
Swallow: Medical attention immediately

Respirator Recommendations

NIOSH

At concentrations above the NIOSH REL, or where there is no REL, at any detectable concentration:
(APF = 10,000) Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode
(APF = 10,000) Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained positive-pressure breathing apparatus

Escape:
(APF = 50) Any air-purifying, full-facepiece respirator (gas mask) with a chin-style, front- or back-mounted organic vapor canister
Any appropriate escape-type, self-contained breathing apparatus

Important additional information about respirator selection (pgintrod.html#mustread)

See also: INTRODUCTION (/niosh/npg/pgintrod.html) See ICSC CARD: 0081 (/niosh/ipcsneng/neng0081.html) See MEDICAL TESTS: 0236 (/niosh/docs/2005-110/nmed0236.html)

Page last reviewed: April 4, 2011
Page last updated: November 18, 2010
Content source: National Institute for Occupational Safety and Health (NIOSH) Education and Information Division

Centers for Disease Control and Prevention 1600 Clifton Rd. Atlanta, GA 30333, USA
800-CDC-INFO (800-232-4636) TTY: (888) 232-6348 - Contact CDC–INFO

Vinylidene chloride

Synonyms & Trade Names 1,1-DCE; 1,1-Dichloroethene; 1,1-Dichloroethylene; VDC; Vinylidene chloride monomer; Vinylidene dichloride

CAS No. 75-35-4	**RTECS No.** KV9275000 (/niosh-rtecs/KV8D8678.html)	**DOT ID & Guide** 1303 130P (http://wwwapps.tc.gc.ca/saf-sec-sur/3/erg-gmu/erg/guidepage.aspx?guide=130&poly=1) (http://www.cdc.gov/Other/disclaimer.html) (inhibited)
Formula $CH_2=CCl_2$	**Conversion**	**IDLH** Ca [N.D.] See: IDLH INDEX (/niosh/idlh/intridl4.html)
Exposure Limits **NIOSH REL** : Ca See Appendix A (nengapdxa.html) **OSHA PEL** † (nengapdxg.html) : none		**Measurement Methods** **NIOSH** 1015 (/niosh/docs/2003-154/pdfs/1015.pdf) ; **OSHA** 19 (http://www.osha.gov/dts/sltc/methods/organic/org019/org019.html) (http://www.cdc.gov/Other/disclaimer.html) See: NMAM (/niosh/docs/2003-154/) or OSHA Methods (http://www.osha.gov/dts/sltc/methods/index.html) (http://www.cdc.gov/Other/disclaimer.html)

Physical Description Colorless liquid or gas (above 89°F) with a mild, sweet, chloroform-like odor.

MW:	BP:	FRZ:	Sol:	VP:	IP:
96.9	89°F	-189°F	0.04%	500 mmHg	10.00 eV
Sp.Gr:	**Fl.P:**	**UEL:**	**LEL:**		
1.21	-2°F	15.5%	6.5%		

Class IA Flammable Liquid: Fl.P. below 73°F and BP below 100°F.

Incompatibilities & Reactivities Aluminum, sunlight, air, copper, heat [Note: Polymerization may occur if exposed to oxidizers, chlorosulfonic acid, nitric acid, or oleum. Inhibitors such as the monomethyl ether of hydroquinone are added to prevent polymerization.]

Exposure Routes inhalation, skin absorption, ingestion, skin and/or eye contact

Symptoms irritation eyes, skin, throat; dizziness, headache, nausea, dyspnea (breathing difficulty); liver, kidney disturbance; pneumonitis; [potential occupational carcinogen]

Target Organs Eyes, skin, respiratory system, central nervous system, liver, kidneys

Cancer Site [in animals: liver & kidney tumors]

Personal Protection/Sanitation (See protection codes (protect.html))	First Aid (See procedures (firstaid.html))
Skin: Prevent skin contact **Eyes:** Prevent eye contact **Wash skin:** When contaminated **Remove:** When wet (flammable) **Change:** No recommendation **Provide:** Eyewash, Quick drench	**Eye:** Irrigate immediately **Skin:** Soap flush immediately **Breathing:** Respiratory support **Swallow:** Medical attention immediately

Respirator Recommendations

NIOSH

At concentrations above the NIOSH REL, or where there is no REL, at any detectable concentration:
(APF = 10,000) Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode
(APF = 10,000) Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained positive-pressure breathing apparatus

Escape:
(APF = 50) Any air-purifying, full-facepiece respirator (gas mask) with a chin-style, front- or back-mounted organic vapor canister
Any appropriate escape-type, self-contained breathing apparatus

Important additional information about respirator selection (pgintrod.html#mustread)

See also: INTRODUCTION (/niosh/npg/pgintrod.html) See ICSC CARD: 0083 (/niosh/ipcsneng/neng0083.html)

Page last reviewed: April 4, 2011
Page last updated: November 18, 2010
Content source: National Institute for Occupational Safety and Health (NIOSH) Education and Information Division

Centers for Disease Control and Prevention 1600 Clifton Rd. Atlanta, GA 30333, USA
800-CDC-INFO (800-232-4636) TTY: (888) 232-6348 - Contact CDC–INFO

1,2-Dichloroethylene

Synonyms & Trade Names Acetylene dichloride, cis-Acetylene dichloride, trans-Acetylene dichloride, sym-Dichloroethylene

CAS No. 540-59-0	**RTECS No.** KV9360000 (/niosh-rtecs/KV8ED280.html)	**DOT ID & Guide** 1150 130P (http://wwwapps.tc.gc.ca/saf-sec-sur/3/erg-gmu/erg/guidepage.aspx?guide=130&poly=1) (http://www.cdc.gov/Other/disclaimer.html)
Formula ClCH=CHCl	**Conversion** 1 ppm = 3.97 mg/m3	**IDLH** 1000 ppm See: 540590 (/niosh/idlh/540590.html)
Exposure Limits **NIOSH REL** : TWA 200 ppm (790 mg/m3) **OSHA PEL** : TWA 200 ppm (790 mg/m3)		**Measurement Methods** **NIOSH** 1003 (/niosh/docs/2003-154/pdfs/1003.pdf); **OSHA** 7 (http://www.osha.gov/dts/sltc/methods/organic/org001/org001.html) (http://www.cdc.gov/Other/disclaimer.html) See: NMAM (/niosh/docs/2003-154/) or OSHA Methods (http://www.osha.gov/dts/sltc/methods/index.html) (http://www.cdc.gov/Other/disclaimer.html)

Physical Description Colorless liquid (usually a mixture of the cis & trans isomers) with a slightly acrid, chloroform-like odor.

MW: 97.0	**BP:** 118-140°F	**FRZ:** -57 to -115°F	**Sol:** 0.4%	**VP:** 180-265 mmHg	**IP:** 9.65 eV
Sp.Gr(77°F): 1.27	**Fl.P:** 36-39°F	**UEL:** 12.8%	**LEL:** 5.6%		

Class IB Flammable Liquid: Fl.P. below 73°F and BP at or above 100°F.

Incompatibilities & Reactivities Strong oxidizers, strong alkalis, potassium hydroxide, copper [Note: Usually contains inhibitors to prevent polymerization.]

Exposure Routes inhalation, ingestion, skin and/or eye contact

Symptoms irritation eyes, respiratory system; central nervous system depression

Target Organs Eyes, respiratory system, central nervous system

Personal Protection/Sanitation (See protection codes (protect.html)) **Skin:** Prevent skin contact **Eyes:** Prevent eye contact	**First Aid** (See procedures (firstaid.html)) **Eye:** Irrigate immediately **Skin:** Soap wash promptly **Breathing:** Respiratory support

Wash skin: When contaminated **Remove:** When wet (flammable) **Change:** No recommendation	**Swallow:** Medical attention immediately

Respirator Recommendations

NIOSH/OSHA

Up to 1000 ppm:
(APF = 25) Any supplied-air respirator operated in a continuous-flow mode£
(APF = 25) Any powered, air-purifying respirator with organic vapor cartridge(s)£
(APF = 50) Any chemical cartridge respirator with a full facepiece and organic vapor cartridge(s)
(APF = 50) Any air-purifying, full-facepiece respirator (gas mask) with a chin-style, front- or back-mounted organic vapor canister
(APF = 50) Any self-contained breathing apparatus with a full facepiece
(APF = 50) Any supplied-air respirator with a full facepiece

Emergency or planned entry into unknown concentrations or IDLH conditions:
(APF = 10,000) Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode
(APF = 10,000) Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained positive-pressure breathing apparatus

Escape:
(APF = 50) Any air-purifying, full-facepiece respirator (gas mask) with a chin-style, front- or back-mounted organic vapor canister
Any appropriate escape-type, self-contained breathing apparatus

Important additional information about respirator selection (pgintrod.html#mustread)

See also: INTRODUCTION (/niosh/npg/pgintrod.html) See ICSC CARD: 0436 (/niosh/ipcsneng/neng0436.html)

Page last reviewed: April 4, 2011
Page last updated: November 18, 2010
Content source: National Institute for Occupational Safety and Health (NIOSH) Education and Information Division

Centers for Disease Control and Prevention 1600 Clifton Rd. Atlanta, GA 30333, USA
800-CDC-INFO (800-232-4636) TTY: (888) 232-6348 - Contact CDC–INFO

Vinyl chloride

Synonyms & Trade Names Chloroethene, Chloroethylene, Ethylene monochloride, Monochloroethene, Monochloroethylene, VC, Vinyl chloride monomer (VCM)

CAS No. 75-01-4	**RTECS No.** KU9625000 (/niosh-rtecs/KU92DDA8.html)	**DOT ID & Guide** 1086 116P (http://wwwapps.tc.gc.ca/saf-sec-sur/3/erg-gmu/erg/guidepage.aspx?guide=116&poly=1) (http://www.cdc.gov/Other/disclaimer.html) (inhibited)
Formula CH_2=CHCl	**Conversion** 1 ppm = 2.56 mg/m3	**IDLH** Ca [N.D.] See: IDLH INDEX (/niosh/idlh/intridl4.html)
Exposure Limits **NIOSH REL** : Ca See Appendix A (nengapdxa.html) **OSHA PEL** : [1910.1017] TWA 1 ppm C 5 ppm [15-minute]		**Measurement Methods** **NIOSH** 1007 (/niosh/docs/2003-154/pdfs/1007.pdf) ; **OSHA** 4 (http://www.osha.gov/dts/sltc/methods/organic/org004/org004.html) (http://www.cdc.gov/Other/disclaimer.html) , 75 (http://www.osha.gov/dts/sltc/methods/organic/org075/org075.html) (http://www.cdc.gov/Other/disclaimer.html) See: NMAM (/niosh/docs/2003-154/) or OSHA Methods (http://www.osha.gov/dts/sltc/methods/index.html) (http://www.cdc.gov/Other/disclaimer.html)

Physical Description Colorless gas or liquid (below 7°F) with a pleasant odor at high concentrations. [Note: Shipped as a liquefied compressed gas.]

MW: 62.5	**BP:** 7°F	**FRZ:** -256°F	Sol(77°F): 0.1%	**VP:** 3.3 atm	**IP:** 9.99 eV
	Fl.P: NA (Gas)	**UEL:** 33.0%	**LEL:** 3.6%	**RGasD:** 2.21	

Flammable Gas

Incompatibilities & Reactivities Copper, oxidizers, aluminum, peroxides, iron, steel [Note: Polymerizes in air, sunlight, or heat unless stabilized by inhibitors such as phenol. Attacks iron & steel in presence of moisture.]

Exposure Routes inhalation, skin and/or eye contact (liquid)

Symptoms lassitude (weakness, exhaustion); abdominal pain, gastrointestinal bleeding; enlarged liver; pallor or cyanosis of extremities; liquid: frostbite; [potential occupational carcinogen]

Target Organs Liver, central nervous system, blood, respiratory system, lymphatic system

Cancer Site [liver cancer]

Personal Protection/Sanitation (See protection codes (protect.html))
Skin: Frostbite
Eyes: Frostbite
Wash skin: No recommendation
Remove: When wet (flammable)
Change: No recommendation
Provide: Frostbite wash

First Aid (See procedures (firstaid.html))
Eye: Frostbite
Skin: Frostbite
Breathing: Respiratory support

Respirator Recommendations
(See Appendix E) (nengapdxe.html)

NIOSH

At concentrations above the NIOSH REL, or where there is no REL, at any detectable concentration:
(APF = 10,000) Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode
(APF = 10,000) Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained positive-pressure breathing apparatus

Escape:
(APF = 50) Any air-purifying, full-facepiece respirator (gas mask) with a chin-style, front- or back-mounted canister providing protection against the compound of concern
Any appropriate escape-type, self-contained breathing apparatus

Important additional information about respirator selection (pgintrod.html#mustread)

See also: INTRODUCTION (/niosh/npg/pgintrod.html) See ICSC CARD: 0082 (/niosh/ipcsneng/neng0082.html)
See MEDICAL TESTS: 0241 (/niosh/docs/2005-110/nmed0241.html)

Page last reviewed: April 4, 2011
Page last updated: November 18, 2010
Content source: National Institute for Occupational Safety and Health (NIOSH) Education and Information Division

Centers for Disease Control and Prevention 1600 Clifton Rd. Atlanta, GA 30333, USA
800-CDC-INFO (800-232-4636) TTY: (888) 232-6348 - Contact CDC–INFO

Methyl chloroform

Synonyms & Trade Names Chlorothene; 1,1,1-Trichloroethane; 1,1,1-Trichloroethane (stabilized)

CAS No. 71-55-6	**RTECS No.** KJ2975000 (/niosh-rtecs/KJ2D6518.html)	**DOT ID & Guide** 2831 160 (http://wwwapps.tc.gc.ca/saf-sec-sur/3/erg-gmu/erg/guidepage.aspx?guide=160) (http://www.cdc.gov/Other/disclaimer.html)
Formula CH_3CCl_3	**Conversion** 1 ppm = 5.46 mg/m3	**IDLH** 700 ppm See: 71556 (/niosh/idlh/71556.html)
Exposure Limits **NIOSH REL** : C 350 ppm (1900 mg/m3) [15-minute] See Appendix C (nengapdxc.html) (Chloroethanes) **OSHA PEL** † (nengapdxg.html): TWA 350 ppm (1900 mg/m3)		**Measurement Methods** **NIOSH** 1003 (/niosh/docs/2003-154/pdfs/1003.pdf) See: NMAM (/niosh/docs/2003-154/) or OSHA Methods (http://www.osha.gov/dts/sltc/methods/index.html) (http://www.cdc.gov/Other/disclaimer.html)

Physical Description Colorless liquid with a mild, chloroform-like odor.

MW:	BP:	FRZ:	Sol:	VP:	IP:
133.4	165°F	-23°F	0.4%	100 mmHg	11.00 eV
Sp.Gr: 1.34	**Fl.P:** ?	**UEL:** 12.5%	**LEL:** 7.5%		

Combustible Liquid, but burns with difficulty.

Incompatibilities & Reactivities Strong caustics; strong oxidizers; chemically-active metals such as zinc, aluminum, magnesium powders, sodium & potassium; water [Note: Reacts slowly with water to form hydrochloric acid.]

Exposure Routes inhalation, ingestion, skin and/or eye contact

Symptoms irritation eyes, skin; headache, lassitude (weakness, exhaustion), central nervous system depression, poor equilibrium; dermatitis; cardiac arrhythmias; liver damage

Target Organs Eyes, skin, central nervous system, cardiovascular system, liver

Personal Protection/Sanitation (See protection codes (protect.html))
Skin: Prevent skin contact
Eyes: Prevent eye contact
Wash skin: When contaminated
Remove: When wet or contaminated
Change: No recommendation

First Aid (See procedures (firstaid.html))
Eye: Irrigate immediately
Skin: Soap wash promptly
Breathing: Respiratory support
Swallow: Medical attention immediately

Respirator Recommendations

NIOSH/OSHA

Up to 700 ppm:
(APF = 10) Any supplied-air respirator*
(APF = 50) Any self-contained breathing apparatus with a full facepiece

Emergency or planned entry into unknown concentrations or IDLH conditions:
(APF = 10,000) Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode
(APF = 10,000) Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained positive-pressure breathing apparatus

Escape:
(APF = 50) Any air-purifying, full-facepiece respirator (gas mask) with a chin-style, front- or back-mounted organic vapor canister
Any appropriate escape-type, self-contained breathing apparatus

Important additional information about respirator selection (pgintrod.html#mustread)

See also: INTRODUCTION (/niosh/npg/pgintrod.html) See ICSC CARD: 0079 (/niosh/ipcsneng/neng0079.html) See MEDICAL TESTS: 0141 (/niosh/docs/2005-110/nmed0141.html)

Page last reviewed: April 4, 2011
Page last updated: November 18, 2010
Content source: National Institute for Occupational Safety and Health (NIOSH) Education and Information Division

Centers for Disease Control and Prevention 1600 Clifton Rd. Atlanta, GA 30333, USA
800-CDC-INFO (800-232-4636) TTY: (888) 232-6348 - Contact CDC–INFO

Coal tar pitch volatiles

Synonyms & Trade Names Synonyms vary depending upon the specific compound (e.g., pyrene, phenanthrene, acridine, chrysene, anthracene & benzo(a)pyrene). [Note: NIOSH considers coal tar, coal tar pitch, and creosote to be coal tar products.]

CAS No.	RTECS No.	DOT ID & Guide
65996-93-2	GF8655000 (/niosh-rtecs/GF841098.html)	2713 153 (http://wwwapps.tc.gc.ca/saf-sec-sur/3/erg-gmu/erg/guidepage.aspx?guide=153) (http://www.cdc.gov/Other/disclaimer.html) (acridine)
	Conversion	**IDLH** Ca [80 mg/m3] See: 65996932 (/niosh/idlh/65996932.html)

Exposure Limits

NIOSH REL : Ca TWA 0.1 mg/m3 (cyclohexane-extractable fraction)
See Appendix A (nengapdxa.html)
See Appendix C (nengapdxc.html)
OSHA PEL : TWA 0.2 mg/m3 (benzene-soluble fraction) [1910.1002] See Appendix C (nengapdxc.html)

Measurement Methods
OSHA 58 (http://www.osha.gov/dts/sltc/methods/organic/org058/org058.html) (http://www.cdc.gov/Other/disclaimer.html)
See: NMAM (/niosh/docs/2003-154/) or OSHA Methods (http://www.osha.gov/dts/sltc/methods/index.html) (http://www.cdc.gov/Other/disclaimer.html)

Physical Description Black or dark-brown amorphous residue.

Properties vary depending upon the specific compound.					

Combustible Solids

Incompatibilities & Reactivities Strong oxidizers

Exposure Routes inhalation, skin and/or eye contact

Symptoms dermatitis, bronchitis, [potential occupational carcinogen]

Target Organs respiratory system, skin, bladder, kidneys

Cancer Site [lung, kidney & skin cancer]

Personal Protection/Sanitation (See protection codes (protect.html))
Skin: Prevent skin contact
Eyes: Prevent eye contact
Wash skin: Daily
Remove: No recommendation
Change: Daily

First Aid (See procedures (firstaid.html))
Eye: Irrigate immediately
Skin: Soap wash immediately
Breathing: Respiratory support
Swallow: Medical attention immediately

Respirator Recommendations

NIOSH

At concentrations above the NIOSH REL, or where there is no REL, at any detectable concentration:
(APF = 10,000) Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode
(APF = 10,000) Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained positive-pressure breathing apparatus

Escape:
(APF = 50) Any air-purifying, full-facepiece respirator (gas mask) with a chin-style, front- or back-mounted organic vapor canister having an N100, R100, or P100 filter.
Click here (pgintrod.html#nrp) for information on selection of N, R, or P filters.
Any appropriate escape-type, self-contained breathing apparatus

Important additional information about respirator selection (pgintrod.html#mustread)

See also: INTRODUCTION (/niosh/npg/pgintrod.html) See ICSC CARD: 1415 (/niosh/ipcsneng/neng1415.html) See MEDICAL TESTS: 0054 (/niosh/docs/2005-110/nmed0054.html)

Page last reviewed: April 4, 2011
Page last updated: November 18, 2010
Content source: National Institute for Occupational Safety and Health (NIOSH) Education and Information Division

Centers for Disease Control and Prevention 1600 Clifton Rd. Atlanta, GA 30333, USA
800-CDC-INFO (800-232-4636) TTY: (888) 232-6348 - Contact CDC–INFO

Phenol

Synonyms & Trade Names Carbolic acid, Hydroxybenzene, Monohydroxybenzene, Phenyl alcohol, Phenyl hydroxide

CAS No. 108-95-2	**RTECS No.** SJ3325000 (/niosh-rtecs/SJ32BC48.html)	**DOT ID & Guide** 1671 153 (http://wwwapps.tc.gc.ca/saf-sec-sur/3/erg-gmu/erg/guidepage.aspx?guide=153) (http://www.cdc.gov/Other/disclaimer.html) (solid) 2312 153 (http://wwwapps.tc.gc.ca/saf-sec-sur/3/erg-gmu/erg/guidepage.aspx?guide=153) (http://www.cdc.gov/Other/disclaimer.html) (molten) 2821 153 (http://wwwapps.tc.gc.ca/saf-sec-sur/3/erg-gmu/erg/guidepage.aspx?guide=153) (http://www.cdc.gov/Other/disclaimer.html) (solution)
Formula C_6H_5OH	**Conversion** 1 ppm = 3.85 mg/m3	**IDLH** 250 ppm See: 108952 (/niosh/idlh/108952.html)
Exposure Limits **NIOSH REL** : TWA 5 ppm (19 mg/m3) C 15.6 ppm (60 mg/m3) [15-minute] [skin] **OSHA PEL** : TWA 5 ppm (19 mg/m3) [skin]		**Measurement Methods** **NIOSH** 2546 (/niosh/docs/2003-154/pdfs/2546.pdf); **OSHA** 32 See: NMAM (/niosh/docs/2003-154/) or OSHA Methods (http://www.osha.gov/dts/sltc/methods/index.html) (http://www.cdc.gov/Other/disclaimer.html)

Physical Description Colorless to light-pink, crystalline solid with a sweet, acrid odor. [Note: Phenol liquefies by mixing with about 8% water.]

MW: 94.1	**BP:** 359°F	MLT: 109°F	Sol(77°F): 9%	**VP:** 0.4 mmHg	**IP:** 8.50 eV
Sp.Gr: 1.06	**Fl.P:** 175°F	**UEL:** 8.6%	**LEL:** 1.8%		

Combustible Solid

Incompatibilities & Reactivities Strong oxidizers, calcium hypochlorite, aluminum chloride, acids

Exposure Routes inhalation, skin absorption, ingestion, skin and/or eye contact

Symptoms irritation eyes, nose, throat; anorexia, weight loss; lassitude (weakness, exhaustion), muscle ache, pain; dark urine; cyanosis; liver, kidney damage; skin burns; dermatitis; ochronosis; tremor, convulsions, twitching

Target Organs Eyes, skin, respiratory system, liver, kidneys

Personal Protection/Sanitation (See protection codes (protect.html))
Skin: Prevent skin contact
Eyes: Prevent eye contact
Wash skin: When contaminated
Remove: When wet or contaminated
Change: Daily
Provide: Eyewash, Quick drench

First Aid (See procedures (firstaid.html))
Eye: Irrigate immediately
Skin: Soap wash immediately
Breathing: Respiratory support
Swallow: Medical attention immediately

Respirator Recommendations

NIOSH/OSHA

Up to 50 ppm:
(APF = 10) Any air-purifying half-mask respirator with organic vapor cartridge(s) in combination with an N95, R95, or P95 filter. The following filters may also be used: N99, R99, P99, N100, R100, P100.
Click here (pgintrod.html#nrp) for information on selection of N, R, or P filters.
(APF = 10) Any supplied-air respirator

Up to 125 ppm:
(APF = 25) Any supplied-air respirator operated in a continuous-flow mode
(APF = 25) Any powered, air-purifying respirator with an organic vapor cartridge in combination with a high-efficiency particulate filter.

Up to 250 ppm:
(APF = 50) Any air-purifying full-facepiece respirator equipped with organic vapor cartridge(s) in combination with an N100, R100, or P100 filter.
Click here (pgintrod.html#nrp) for information on selection of N, R, or P filters.
(APF = 50) Any air-purifying, full-facepiece respirator (gas mask) with a chin-style, front- or back-mounted organic vapor canister having an N100, R100, or P100 filter.
Click here (pgintrod.html#nrp) for information on selection of N, R, or P filters.
(APF = 50) Any powered, air-purifying respirator with a tight-fitting facepiece and organic vapor cartridge(s) in combination with a high-efficiency particulate filter
(APF = 50) Any self-contained breathing apparatus with a full facepiece
(APF = 50) Any supplied-air respirator with a full facepiece

Emergency or planned entry into unknown concentrations or IDLH conditions:
(APF = 10,000) Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode

(APF = 10,000) Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained positive-pressure breathing apparatus

Escape:
(APF = 50) Any air-purifying, full-facepiece respirator (gas mask) with a chin-style, front- or back-mounted organic vapor canister having an N100, R100, or P100 filter.
Click here (pgintrod.html#nrp) for information on selection of N, R, or P filters.
Any appropriate escape-type, self-contained breathing apparatus

Important additional information about respirator selection (pgintrod.html#mustread)

See also: INTRODUCTION (/niosh/npg/pgintrod.html) See ICSC CARD: 0070 (/niosh/ipcsneng/neng0070.html) See MEDICAL TESTS: 0182 (/niosh/docs/2005-110/nmed0182.html)

Page last reviewed: April 4, 2011
Page last updated: November 18, 2010
Content source: National Institute for Occupational Safety and Health (NIOSH) Education and Information Division

Centers for Disease Control and Prevention 1600 Clifton Rd. Atlanta, GA 30333, USA
800-CDC-INFO (800-232-4636) TTY: (888) 232-6348 - Contact CDC–INFO

Naphthalene

Synonyms & Trade Names Naphthalin, Tar camphor, White tar

CAS No. 91-20-3	**RTECS No.** QJ0525000 (/niosh-rtecs/QJ802C8.html)	**DOT ID & Guide** 1334 133 (http://wwwapps.tc.gc.ca/saf-sec-sur/3/erg-gmu/erg/guidepage.aspx?guide=133) (http://www.cdc.gov/Other/disclaimer.html) (crude or refined) 2304 133 (http://wwwapps.tc.gc.ca/saf-sec-sur/3/erg-gmu/erg/guidepage.aspx?guide=133) (http://www.cdc.gov/Other/disclaimer.html) (molten)
Formula $C_{10}H_8$	**Conversion** 1 ppm = 5.24 mg/m³	**IDLH** 250 ppm See: 91203 (/niosh/idlh/91203.html)
Exposure Limits **NIOSH REL** : TWA 10 ppm (50 mg/m³) ST 15 ppm (75 mg/m³) **OSHA PEL** † (nengapdxg.html) : TWA 10 ppm (50 mg/m³)		**Measurement Methods** **NIOSH** 1501 (/niosh/docs/2003-154/pdfs/1501.pdf) ; **OSHA** 35 (http://www.osha.gov/dts/sltc/methods/organic/org035/org035.html) (http://www.cdc.gov/Other/disclaimer.html) See: NMAM (/niosh/docs/2003-154/) or OSHA Methods (http://www.osha.gov/dts/sltc/methods/index.html) (http://www.cdc.gov/Other/disclaimer.html)

Physical Description Colorless to brown solid with an odor of mothballs. [Note: Shipped as a molten solid.]

MW:	BP:	MLT:	Sol:	VP:	IP:
128.2	424°F	176°F	0.003%	0.08 mmHg	8.12 eV

Sp.Gr:	Fl.P:	UEL:	LEL:
1.15	174°F	5.9%	0.9%

Combustible Solid, but will take some effort to ignite.

Incompatibilities & Reactivities Strong oxidizers, chromic anhydride

Exposure Routes inhalation, skin absorption, ingestion, skin and/or eye contact

Symptoms irritation eyes; headache, confusion, excitement, malaise (vague feeling of discomfort); nausea, vomiting, abdominal pain; irritation bladder; profuse sweating; jaundice; hematuria (blood in the urine), renal shutdown; dermatitis, optical neuritis, corneal damage

Target Organs Eyes, skin, blood, liver, kidneys, central nervous system

Personal Protection/Sanitation (See protection codes (protect.html))
Skin: Prevent skin contact
Eyes: Prevent eye contact
Wash skin: When contaminated
Remove: When wet or contaminated
Change: Daily

First Aid (See procedures (firstaid.html))
Eye: Irrigate immediately
Skin: Molten flush immediately/solid-liquid soap wash promptly
Breathing: Respiratory support
Swallow: Medical attention immediately

Respirator Recommendations

NIOSH/OSHA

Up to 100 ppm:
(APF = 10) Any air-purifying half-mask respirator with organic vapor cartridge(s) in combination with an N95, R95, or P95 filter. The following filters may also be used: N99, R99, P99, N100, R100, P100.
Click here (pgintrod.html#nrp) for information on selection of N, R, or P filters.*
(APF = 10) Any supplied-air respirator*

Up to 250 ppm:
(APF = 25) Any supplied-air respirator operated in a continuous-flow mode*
(APF = 50) Any air-purifying full-facepiece respirator equipped with organic vapor cartridge(s) in combination with an N100, R100, or P100 filter.
Click here (pgintrod.html#nrp) for information on selection of N, R, or P filters.
(APF = 25) Any powered, air-purifying respirator with an organic vapor cartridge in combination with a high-efficiency particulate filter.*
(APF = 50) Any self-contained breathing apparatus with a full facepiece
(APF = 50) Any supplied-air respirator with a full facepiece

Emergency or planned entry into unknown concentrations or IDLH conditions:
(APF = 10,000) Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode
(APF = 10,000) Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained positive-pressure breathing apparatus

Escape:
(APF = 50) Any air-purifying, full-facepiece respirator (gas mask) with a chin-style, front- or back-mounted organic vapor canister having an N100, R100, or P100 filter.
Click here (pgintrod.html#nrp) for information on selection of N, R, or P filters.
Any appropriate escape-type, self-contained breathing apparatus

Important additional information about respirator selection (pgintrod.html#mustread)

See also: INTRODUCTION (/niosh/npg/pgintrod.html) See ICSC CARD: 0667 (/niosh/ipcsneng/neng0667.html) See MEDICAL TESTS: 0152 (/niosh/docs/2005-110/nmed0152.html)

Page last reviewed: April 4, 2011
Page last updated: November 18, 2010
Content source: National Institute for Occupational Safety and Health (NIOSH) Education and Information Division

p-Cresol

Synonyms & Trade Names para-Cresol, 4-Cresol, p-Cresylic acid, 1-Hydroxy-4-methylbenzene, 4-Hydroxytoluene, 4-Methyl phenol

CAS No. 106-44-5	**RTECS No.** GO6475000 (/niosh-rtecs/GO62CCF8.html)	**DOT ID & Guide** 2076 153 (http://wwwapps.tc.gc.ca/saf-sec-sur/3/erg-gmu/erg/guidepage.aspx?guide=153) (http://www.cdc.gov/Other/disclaimer.html)
Formula $CH_3C_6H_4OH$	**Conversion** 1 ppm = 4.43 mg/m³	**IDLH** 250 ppm See: cresol (/niosh/idlh/cresol.html)
Exposure Limits **NIOSH REL** : TWA 2.3 ppm (10 mg/m³) **OSHA PEL** : TWA 5 ppm (22 mg/m³) [skin]		**Measurement Methods** **NIOSH** 2546 (/niosh/docs/2003-154/pdfs/2546.pdf) ; **OSHA** 32 See: NMAM (/niosh/docs/2003-154/) or OSHA Methods (http://www.osha.gov/dts/sltc/methods/index.html) (http://www.cdc.gov/Other/disclaimer.html)

Physical Description Crystalline solid with a sweet, tarry odor. [Note: A liquid above 95°F.]

MW: 108.2	**BP:** 396°F	MLT: 95°F	**Sol:** 2%	VP(77°F): 0.11 mmHg	**IP:** 8.97 eV
Sp.Gr: 1.04	**Fl.P:** 187°F	**UEL:** ?	LEL(300°F): 1.1%		

Combustible Solid Class IIIA Combustible Liquid: Fl.P. at or above 140°F and below 200°F.

Incompatibilities & Reactivities Strong oxidizers, acids

Exposure Routes inhalation, skin absorption, ingestion, skin and/or eye contact

Symptoms irritation eyes, skin, mucous membrane; central nervous system effects: confusion, depression, resp failure; dyspnea (breathing difficulty), irreg rapid resp, weak pulse; eye, skin burns; dermatitis; lung, liver, kidney, pancreas damage

Target Organs Eyes, skin, respiratory system, central nervous system, liver, kidneys, pancreas, cardiovascular system

Personal Protection/Sanitation (See protection codes (protect.html))
Skin: Prevent skin contact
Eyes: Prevent eye contact
Wash skin: When contaminated
Remove: When wet or contaminated
Change: Daily
Provide: Eyewash, Quick drench

First Aid (See procedures (firstaid.html))
Eye: Irrigate immediately
Skin: Soap wash immediately
Breathing: Respiratory support
Swallow: Medical attention immediately

Respirator Recommendations

NIOSH

Up to 23 ppm:
(APF = 10) Any air-purifying half-mask respirator with organic vapor cartridge(s) in combination with an N95, R95, or P95 filter. The following filters may also be used: N99, R99, P99, N100, R100, P100.
Click here (pgintrod.html#nrp) for information on selection of N, R, or P filters.
(APF = 10) Any supplied-air respirator

Up to 57.5 ppm:
(APF = 25) Any supplied-air respirator operated in a continuous-flow mode
(APF = 25) Any powered, air-purifying respirator with an organic vapor cartridge in combination with a high-efficiency particulate filter.

Up to 115 ppm:
(APF = 50) Any air-purifying full-facepiece respirator equipped with organic vapor cartridge(s) in combination with an N100, R100, or P100 filter.
Click here (pgintrod.html#nrp) for information on selection of N, R, or P filters.
(APF = 50) Any air-purifying, full-facepiece respirator (gas mask) with a chin-style, front- or back-mounted organic vapor canister having an N100, R100, or P100 filter.
Click here (pgintrod.html#nrp) for information on selection of N, R, or P filters.
(APF = 50) Any powered, air-purifying respirator with a tight-fitting facepiece and organic vapor cartridge(s) in combination with a high-efficiency particulate filter*
(APF = 50) Any supplied-air respirator that has a tight-fitting facepiece and is operated in a continuous-flow mode*
(APF = 50) Any self-contained breathing apparatus with a full facepiece
(APF = 50) Any supplied-air respirator with a full facepiece

Up to 250 ppm:
(APF = 2000) Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode

Emergency or planned entry into unknown concentrations or IDLH conditions:
(APF = 10,000) Any self-contained breathing apparatus that has a full facepiece and is

operated in a pressure-demand or other positive-pressure mode
(APF = 10,000) Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained positive-pressure breathing apparatus

Escape:
(APF = 50) Any air-purifying, full-facepiece respirator (gas mask) with a chin-style, front- or back-mounted organic vapor canister having an N100, R100, or P100 filter.
Click here (pgintrod.html#nrp) for information on selection of N, R, or P filters.
Any appropriate escape-type, self-contained breathing apparatus

Important additional information about respirator selection (pgintrod.html#mustread)

See also: INTRODUCTION (/niosh/npg/pgintrod.html) See ICSC CARD: 0031 (/niosh/ipcsneng/neng0031.html) See MEDICAL TESTS: 0059 (/niosh/docs/2005-110/nmed0059.html)

Page last reviewed: April 4, 2011
Page last updated: November 18, 2010
Content source: National Institute for Occupational Safety and Health (NIOSH) Education and Information Division

Centers for Disease Control and Prevention 1600 Clifton Rd. Atlanta, GA 30333, USA
800-CDC-INFO (800-232-4636) TTY: (888) 232-6348 - Contact CDC–INFO

o-Cresol

Synonyms & Trade Names ortho-Cresol, 2-Cresol, o-Cresylic acid, 1-Hydroxy-2-methylbenzene, 2-Hydroxytoluene, 2-Methyl phenol

CAS No. 95-48-7	**RTECS No.** GO6300000 (/niosh-rtecs/GO602160.html)	**DOT ID & Guide** 2076 153 (http://wwwapps.tc.gc.ca/saf-sec-sur/3/erg-gmu/erg/guidepage.aspx?guide=153) (http://www.cdc.gov/Other/disclaimer.html)
Formula $CH_3C_6H_4OH$	**Conversion** 1 ppm = 4.43 mg/m³	**IDLH** 250 ppm See: cresol (/niosh/idlh/cresol.html)
Exposure Limits **NIOSH REL** : TWA 2.3 ppm (10 mg/m³) **OSHA PEL** : TWA 5 ppm (22 mg/m³) [skin]		**Measurement Methods** **NIOSH** 2546 (/niosh/docs/2003-154/pdfs/2546.pdf) ; **OSHA** 32 See: NMAM (/niosh/docs/2003-154/) or OSHA Methods (http://www.osha.gov/dts/sltc/methods/index.html) (http://www.cdc.gov/Other/disclaimer.html)

Physical Description White crystals with a sweet, tarry odor. [Note: A liquid above 88°F.]

MW: 108.2	**BP:** 376°F	MLT: 88°F	**Sol:** 2%	VP(77°F): 0.29 mmHg	**IP:** 8.93 eV
Sp.Gr: 1.05	**Fl.P:** 178°F	**UEL:** ?	LEL(300°F): 1.4%		

Combustible Solid Class IIIA Combustible Liquid: Fl.P. at or above 140°F and below 200°F.

Incompatibilities & Reactivities Strong oxidizers, acids

Exposure Routes inhalation, skin absorption, ingestion, skin and/or eye contact

Symptoms irritation eyes, skin, mucous membrane; central nervous system effects: confusion, depression, resp failure; dyspnea (breathing difficulty), irreg rapid resp, weak pulse; eye, skin burns; dermatitis; lung, liver, kidney, pancreas damage

Target Organs Eyes, skin, respiratory system, central nervous system, liver, kidneys, pancreas, cardiovascular system

Personal Protection/Sanitation (See protection codes (protect.html))
Skin: Prevent skin contact
Eyes: Prevent eye contact
Wash skin: When contaminated
Remove: When wet or contaminated
Change: Daily
Provide: Eyewash, Quick drench

First Aid (See procedures (firstaid.html))
Eye: Irrigate immediately
Skin: Soap wash immediately
Breathing: Respiratory support
Swallow: Medical attention immediately

Respirator Recommendations

NIOSH

Up to 23 ppm:
(APF = 10) Any air-purifying half-mask respirator with organic vapor cartridge(s) in combination with an N95, R95, or P95 filter. The following filters may also be used: N99, R99, P99, N100, R100, P100.
Click here (pgintrod.html#nrp) for information on selection of N, R, or P filters.
(APF = 10) Any supplied-air respirator

Up to 57.5 ppm:
(APF = 25) Any supplied-air respirator operated in a continuous-flow mode
(APF = 25) Any powered, air-purifying respirator with an organic vapor cartridge in combination with a high-efficiency particulate filter.

Up to 115 ppm:
(APF = 50) Any air-purifying full-facepiece respirator equipped with organic vapor cartridge(s) in combination with an N100, R100, or P100 filter.
Click here (pgintrod.html#nrp) for information on selection of N, R, or P filters.
(APF = 50) Any air-purifying, full-facepiece respirator (gas mask) with a chin-style, front- or back-mounted organic vapor canister having an N100, R100, or P100 filter.
Click here (pgintrod.html#nrp) for information on selection of N, R, or P filters.
(APF = 50) Any powered, air-purifying respirator with a tight-fitting facepiece and organic vapor cartridge(s) in combination with a high-efficiency particulate filter*
(APF = 50) Any supplied-air respirator that has a tight-fitting facepiece and is operated in a continuous-flow mode*
(APF = 50) Any self-contained breathing apparatus with a full facepiece
(APF = 50) Any supplied-air respirator with a full facepiece

Up to 250 ppm:
(APF = 2000) Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode

Emergency or planned entry into unknown concentrations or IDLH conditions:
(APF = 10,000) Any self-contained breathing apparatus that has a full facepiece and is

operated in a pressure-demand or other positive-pressure mode
(APF = 10,000) Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained positive-pressure breathing apparatus

Escape:
(APF = 50) Any air-purifying, full-facepiece respirator (gas mask) with a chin-style, front- or back-mounted organic vapor canister having an N100, R100, or P100 filter.
Click here (pgintrod.html#nrp) for information on selection of N, R, or P filters.
Any appropriate escape-type, self-contained breathing apparatus

Important additional information about respirator selection (pgintrod.html#mustread)

See also: INTRODUCTION (/niosh/npg/pgintrod.html) See ICSC CARD: 0030 (/niosh/ipcsneng/neng0030.html)

Page last reviewed: April 4, 2011
Page last updated: November 18, 2010
Content source: National Institute for Occupational Safety and Health (NIOSH) Education and Information Division

Centers for Disease Control and Prevention 1600 Clifton Rd. Atlanta, GA 30333, USA
800-CDC-INFO (800-232-4636) TTY: (888) 232-6348 - Contact CDC–INFO

m-Cresol

Synonyms & Trade Names meta-Cresol, 3-Cresol, m-Cresylic acid, 1-Hydroxy-3-methylbenzene, 3-Hydroxytoluene, 3-Methyl phenol

CAS No. 108-39-4	**RTECS No.** GO6125000 (/niosh-rtecs/GO5D75C8.html)	**DOT ID & Guide** 2076 153 (http://wwwapps.tc.gc.ca/saf-sec-sur/3/erg-gmu/erg/guidepage.aspx?guide=153) (http://www.cdc.gov/Other/disclaimer.html)
Formula $CH_3C_6H_4OH$	**Conversion** 1 ppm = 4.43 mg/m³	**IDLH** 250 ppm See: cresol (/niosh/idlh/cresol.html)
Exposure Limits **NIOSH REL** : TWA 2.3 ppm (10 mg/m³) **OSHA PEL** : TWA 5 ppm (22 mg/m³) [skin]		**Measurement Methods** **NIOSH** 2546 (/niosh/docs/2003-154/pdfs/2546.pdf); **OSHA** 32 See: NMAM (/niosh/docs/2003-154/) or OSHA Methods (http://www.osha.gov/dts/sltc/methods/index.html) (http://www.cdc.gov/Other/disclaimer.html)

Physical Description Colorless to yellowish liquid with a sweet, tarry odor. [Note: A solid below 54°F.]

MW: 108.2	**BP:** 397°F	**FRZ:** 54°F	**Sol:** 2%	VP(77°F): 0.14 mmHg	**IP:** 8.98 eV
Sp.Gr: 1.03	**Fl.P:** 187°F	**UEL:** ?	LEL(300°F): 1.1%		

Class IIIA Combustible Liquid: Fl.P. at or above 140°F and below 200°F.

Incompatibilities & Reactivities Strong oxidizers, acids

Exposure Routes inhalation, skin absorption, ingestion, skin and/or eye contact

Symptoms irritation eyes, skin, mucous membrane; central nervous system effects: confusion, depression, resp failure; dyspnea (breathing difficulty), irreg rapid resp, weak pulse; eye, skin burns; dermatitis; lung, liver, kidney, pancreas damage

Target Organs Eyes, skin, respiratory system, central nervous system, liver, kidneys, pancreas, cardiovascular system

Personal Protection/Sanitation (See protection codes (protect.html))
Skin: Prevent skin contact
Eyes: Prevent eye contact
Wash skin: When contaminated
Remove: When wet or contaminated
Change: Daily
Provide: Eyewash, Quick drench

First Aid (See procedures (firstaid.html))
Eye: Irrigate immediately
Skin: Soap wash immediately
Breathing: Respiratory support
Swallow: Medical attention immediately

Respirator Recommendations

NIOSH

Up to 23 ppm:
(APF = 10) Any air-purifying half-mask respirator with organic vapor cartridge(s) in combination with an N95, R95, or P95 filter. The following filters may also be used: N99, R99, P99, N100, R100, P100.
Click here (pgintrod.html#nrp) for information on selection of N, R, or P filters.
(APF = 10) Any supplied-air respirator

Up to 57.5 ppm:
(APF = 25) Any supplied-air respirator operated in a continuous-flow mode
(APF = 25) Any powered, air-purifying respirator with an organic vapor cartridge in combination with a high-efficiency particulate filter.

Up to 115 ppm:
(APF = 50) Any air-purifying full-facepiece respirator equipped with organic vapor cartridge(s) in combination with an N100, R100, or P100 filter.
Click here (pgintrod.html#nrp) for information on selection of N, R, or P filters.
(APF = 50) Any air-purifying, full-facepiece respirator (gas mask) with a chin-style, front- or back-mounted organic vapor canister having an N100, R100, or P100 filter.
Click here (pgintrod.html#nrp) for information on selection of N, R, or P filters.
(APF = 50) Any powered, air-purifying respirator with a tight-fitting facepiece and organic vapor cartridge(s) in combination with a high-efficiency particulate filter*
(APF = 50) Any supplied-air respirator that has a tight-fitting facepiece and is operated in a continuous-flow mode*
(APF = 50) Any self-contained breathing apparatus with a full facepiece
(APF = 50) Any supplied-air respirator with a full facepiece

Up to 250 ppm:
(APF = 2000) Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode

Emergency or planned entry into unknown concentrations or IDLH conditions:
(APF = 10,000) Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode
(APF = 10,000) Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained positive-pressure breathing apparatus

Escape:
(APF = 50) Any air-purifying, full-facepiece respirator (gas mask) with a chin-style, front- or back-mounted organic vapor canister having an N100, R100, or P100 filter.
Click here (pgintrod.html#nrp) for information on selection of N, R, or P filters.
Any appropriate escape-type, self-contained breathing apparatus

Important additional information about respirator selection (pgintrod.html#mustread)

See also: INTRODUCTION (/niosh/npg/pgintrod.html) See ICSC CARD: 0646 (/niosh/ipcsneng/neng0646.html)

Page last reviewed: April 4, 2011
Page last updated: November 18, 2010
Content source: National Institute for Occupational Safety and Health (NIOSH) Education and Information Division

Centers for Disease Control and Prevention 1600 Clifton Rd. Atlanta, GA 30333, USA
800-CDC-INFO (800-232-4636) TTY: (888) 232-6348 - Contact CDC–INFO

Arsenic (inorganic compounds, as As)

Synonyms & Trade Names Arsenic metal: Arsenia
Other synonyms vary depending upon the specific As compound. [Note: OSHA considers "Inorganic Arsenic" to mean copper acetoarsenite and all inorganic compounds containing arsenic except ARSINE.]

CAS No. 7440-38-2 (metal)	**RTECS No.** CG0525000 (metal) (/niosh-rtecs/CG802C8.html)	**DOT ID & Guide** 1558 152 (http://wwwapps.tc.gc.ca/saf-sec-sur/3/erg-gmu/erg/guidepage.aspx?guide=152) (http://www.cdc.gov/Other/disclaimer.html) (metal) 1562 152 (http://wwwapps.tc.gc.ca/saf-sec-sur/3/erg-gmu/erg/guidepage.aspx?guide=152) (http://www.cdc.gov/Other/disclaimer.html) (dust)
Formula As (metal)	**Conversion**	**IDLH** Ca [5 mg/m³ (as As)] See: 7440382 (/niosh/idlh/7440382.html)
Exposure Limits **NIOSH REL** : Ca C 0.002 mg/m³ [15-minute] See Appendix A (nengapdxa.html) **OSHA PEL** : [1910.1018] TWA 0.010 mg/m³		**Measurement Methods** **NIOSH** 7300 (/niosh/docs/2003-154/pdfs/7300.pdf), 7301 (/niosh/docs/2003-154/pdfs/7301.pdf), 7303 (/niosh/docs/2003-154/pdfs/7303.pdf), 7900 (/niosh/docs/2003-154/pdfs/7900.pdf), 9102 (/niosh/docs/2003-154/pdfs/9102.pdf); **OSHA** ID105 (http://www.osha.gov/dts/sltc/methods/inorganic/id105/id105.html) (http://www.cdc.gov/Other/disclaimer.html) See: NMAM (/niosh/docs/2003-154/) or OSHA Methods (http://www.osha.gov/dts/sltc/methods/index.html) (http://www.cdc.gov/Other/disclaimer.html)

Physical Description Metal: Silver-gray or tin-white, brittle, odorless solid.

MW: 74.9	**BP:** Sublimes	MLT: 1135°F (Sublimes)	**Sol:** Insoluble	**VP:** 0 mmHg (approx)	**IP:** NA
Sp.Gr: 5.73 (metal)	**Fl.P:** NA	**UEL:** NA	**LEL:** NA		

Metal: Noncombustible Solid in bulk form, but a slight explosion hazard in the form of dust when exposed to flame.

Incompatibilities & Reactivities Strong oxidizers, bromine azide [Note: Hydrogen gas can react with inorganic arsenic to form the highly toxic gas arsine.]

arsine to form the highly toxic gas arsine.]

Exposure Routes inhalation, skin absorption, skin and/or eye contact, ingestion

Symptoms Ulceration of nasal septum, dermatitis, gastrointestinal disturbances, peripheral neuropathy, resp irritation, hyperpigmentation of skin, [potential occupational carcinogen]

Target Organs Liver, kidneys, skin, lungs, lymphatic system

Cancer Site [lung & lymphatic cancer]

Personal Protection/Sanitation (See protection codes (protect.html))
Skin: Prevent skin contact
Eyes: Prevent eye contact
Wash skin: When contaminated/Daily
Remove: When wet or contaminated
Change: Daily
Provide: Eyewash, Quick drench

First Aid (See procedures (firstaid.html))
Eye: Irrigate immediately
Skin: Soap wash immediately
Breathing: Respiratory support
Swallow: Medical attention immediately

Respirator Recommendations
(See Appendix E) (nengapdxe.html)

NIOSH

At concentrations above the NIOSH REL, or where there is no REL, at any detectable concentration:
(APF = 10,000) Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode
(APF = 10,000) Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained positive-pressure breathing apparatus

Escape:
(APF = 50) Any air-purifying, full-facepiece respirator (gas mask) with a chin-style, front- or back-mounted acid gas canister having an N100, R100, or P100 filter.
Click here (pgintrod.html#nrp) for information on selection of N, R, or P filters.
Any appropriate escape-type, self-contained breathing apparatus

Important additional information about respirator selection (pgintrod.html#mustread)

See also: INTRODUCTION (/niosh/npg/pgintrod.html) See ICSC CARD: 0013 (/niosh/ipcsneng/neng0013.html)
See MEDICAL TESTS: 0017 (/niosh/docs/2005-110/nmed0017.html)

Page last reviewed: April 4, 2011
Page last updated: November 18, 2010
Content source: National Institute for Occupational Safety and Health (NIOSH) Education and Information Division

Centers for Disease Control and Prevention 1600 Clifton Rd. Atlanta, GA 30333, USA
800-CDC-INFO (800-232-4636) TTY: (888) 232-6348 - Contact CDC–INFO

Lead

Synonyms & Trade Names Lead metal, Plumbum		
CAS No. 7439-92-1	**RTECS No.** OF7525000 (/niosh-rtecs/OF72D288.html)	**DOT ID & Guide**
Formula Pb	**Conversion**	**IDLH** 100 mg/m3 (as Pb) See: 7439921 (/niosh/idlh/7439921.html)

Exposure Limits

NIOSH REL *: TWA (8-hour) 0.050 mg/m3 See Appendix C (nengapdxc.html) [*Note: The REL also applies to other lead compounds (as Pb) -- see Appendix C.]

OSHA PEL *: [1910.1025] TWA 0.050 mg/m3 See Appendix C (nengapdxc.html) [*Note: The PEL also applies to other lead compounds (as Pb) -- see Appendix C.]

Measurement Methods

NIOSH 7082 (/niosh/docs/2003-154/pdfs/7082.pdf), 7105 (/niosh/docs/2003-154/pdfs/7105.pdf), 7300 (/niosh/docs/2003-154/pdfs/7300.pdf), 7301 (/niosh/docs/2003-154/pdfs/7301.pdf), 7303 (/niosh/docs/2003-154/pdfs/7303.pdf), 7700 (/niosh/docs/2003-154/pdfs/7700.pdf), 7701 (/niosh/docs/2003-154/pdfs/7701.pdf), 7702 (/niosh/docs/2003-154/pdfs/7702.pdf), 9100 (/niosh/docs/2003-154/pdfs/9100.pdf), 9102 (/niosh/docs/2003-154/pdfs/9102.pdf), 9105 (/niosh/docs/2003-154/pdfs/9105.pdf);

OSHA ID121 (http://www.osha.gov/dts/sltc/methods/inorganic/id121/id121.html) (http://www.cdc.gov/Other/disclaimer.html), ID125G (http://www.osha.gov/dts/sltc/methods/inorganic/id125g/id125g.html) (http://www.cdc.gov/Other/disclaimer.html), ID206 (http://www.osha.gov/dts/sltc/methods/inorganic/id206/id206.html) (http://www.cdc.gov/Other/disclaimer.html)

See: NMAM (/niosh/docs/2003-154/) or OSHA Methods (http://www.osha.gov/dts/sltc/methods/index.html) (http://www.cdc.gov/Other/disclaimer.html)

Physical Description A heavy, ductile, soft, gray solid.

MW:	BP:	MLT:	Sol:	VP:	IP:
207.2	3164°F	621°F	Insoluble	0 mmHg (approx)	NA

Sp.Gr:	Fl.P:	UEL:	LEL:
11.34	NA	NA	NA

Noncombustible Solid in bulk form.

Incompatibilities & Reactivities Strong oxidizers, hydrogen peroxide, acids

Exposure Routes inhalation, ingestion, skin and/or eye contact

Symptoms lassitude (weakness, exhaustion), insomnia; facial pallor; anorexia, weight loss, malnutrition; constipation, abdominal pain, colic; anemia; gingival lead line; tremor; paralysis wrist, ankles; encephalopathy; kidney disease; irritation eyes; hypertension

Target Organs Eyes, gastrointestinal tract, central nervous system, kidneys, blood, gingival tissue

Personal Protection/Sanitation (See protection codes (protect.html))
Skin: Prevent skin contact
Eyes: Prevent eye contact
Wash skin: Daily
Remove: When wet or contaminated
Change: Daily

First Aid (See procedures (firstaid.html))
Eye: Irrigate immediately
Skin: Soap flush promptly
Breathing: Respiratory support
Swallow: Medical attention immediately

Respirator Recommendations
(See Appendix E) (nengapdxe.html)
NIOSH/OSHA

Up to 0.5 mg/m3:
(APF = 10) Any air-purifying respirator with an N100, R100, or P100 filter (including N100, R100, and P100 filtering facepieces) except quarter-mask respirators.
Click here (pgintrod.html#nrp) for information on selection of N, R, or P filters.
(APF = 10) Any supplied-air respirator

Up to 1.25 mg/m3:
(APF = 25) Any supplied-air respirator operated in a continuous-flow mode
(APF = 25) Any powered, air-purifying respirator with a high-efficiency particulate filter.

Up to 2.5 mg/m3:
(APF = 50) Any air-purifying, full-facepiece respirator with an N100, R100, or P100 filter.
Click here (pgintrod.html#nrp) for information on selection of N, R, or P filters.
(APF = 50) Any supplied-air respirator that has a tight-fitting facepiece and is operated in a continuous-flow mode
(APF = 50) Any powered, air-purifying respirator with a tight-fitting facepiece and a high-efficiency particulate filter
(APF = 50) Any self-contained breathing apparatus with a full facepiece
(APF = 50) Any supplied-air respirator with a full facepiece

Up to 50 mg/m3:
(APF = 1000) Any supplied-air respirator operated in a pressure-demand or other positive-pressure mode

Up to 100 mg/m3:
(APF = 2000) Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode
Emergency or planned entry into unknown concentrations or IDLH conditions:
(APF = 10,000) Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode
(APF = 10,000) Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained positive-pressure breathing apparatus

Escape:
(APF = 50) Any air-purifying, full-facepiece respirator with an N100, R100, or P100 filter.
Click here (pgintrod.html#nrp) for information on selection of N, R, or P filters.
Any appropriate escape-type, self-contained breathing apparatus

any appropriate escape-type, self-contained breathing apparatus

Important additional information about respirator selection (pgintrod.html#mustread)

See also: INTRODUCTION (/niosh/npg/pgintrod.html) See ICSC CARD: 0052 (/niosh/ipcsneng/neng0052.html) See MEDICAL TESTS: 0127 (/niosh/docs/2005-110/nmed0127.html)

Page last reviewed: April 4, 2011
Page last updated: November 18, 2010
Content source: National Institute for Occupational Safety and Health (NIOSH) Education and Information Division

Centers for Disease Control and Prevention 1600 Clifton Rd. Atlanta, GA 30333, USA
800-CDC-INFO (800-232-4636) TTY: (888) 232-6348 - Contact CDC–INFO

Mercury compounds [except (organo) alkyls] (as Hg)

Synonyms & Trade Names Mercury metal: Colloidal mercury, Metallic mercury, Quicksilver
Synonyms of "other" Hg compounds vary depending upon the specific compound.

CAS No. 7439-97-6 (metal)	**RTECS No.** OV4550000 (metal) (/niosh-rtecs/OV456D70.html)	**DOT ID & Guide** 2809 172 (http://wwwapps.tc.gc.ca/saf-sec-sur/3/erg-gmu/erg/guidepage.aspx?guide=172) (http://www.cdc.gov/Other/disclaimer.html) (metal)
Formula Hg (metal)	**Conversion**	**IDLH** 10 mg/m3 (as Hg) See: 7439976 (/niosh/idlh/7439976.html)
Exposure Limits **NIOSH REL** : Hg Vapor: TWA 0.05 mg/m3 [skin] Other: C 0.1 mg/m3 [skin] **OSHA PEL** † (nengapdxg.html) : TWA 0.1 mg/m3		**Measurement Methods** **NIOSH** 6009 (/niosh/docs/2003-154/pdfs/6009.pdf) ; **OSHA** ID140 (http://www.osha.gov/dts/sltc/methods/inorganic/id140/id140.html) (http://www.cdc.gov/Other/disclaimer.html) See: NMAM (/niosh/docs/2003-154/) or OSHA Methods (http://www.osha.gov/dts/sltc/methods/index.html) (http://www.cdc.gov/Other/disclaimer.html)

Physical Description Metal: Silver-white, heavy, odorless liquid. [Note: "Other" Hg compounds include all inorganic & aryl Hg compounds except (organo) alkyls.]

MW: 200.6	**BP:** 674°F	**FRZ:** -38°F	**Sol:** Insoluble	**VP:** 0.0012 mmHg	**IP:** ?
Sp.Gr: 13.6 (metal)	**Fl.P:** NA	**UEL:** NA	**LEL:** NA		

Metal: Noncombustible Liquid

Incompatibilities & Reactivities Acetylene, ammonia, chlorine dioxide, azides, calcium (amalgam formation), sodium carbide, lithium, rubidium, copper

Exposure Routes inhalation, skin absorption, ingestion, skin and/or eye contact

Symptoms irritation eyes, skin; cough, chest pain, dyspnea (breathing difficulty), bronchitis, pneumonitis;

tremor, insomnia, irritability, indecision, headache, lassitude (weakness, exhaustion); stomatitis, salivation; gastrointestinal disturbance, anorexia, weight loss; proteinuria

Target Organs Eyes, skin, respiratory system, central nervous system, kidneys

Personal Protection/Sanitation (See protection codes (protect.html))
Skin: Prevent skin contact
Eyes: No recommendation
Wash skin: When contaminated
Remove: When wet or contaminated
Change: Daily

First Aid (See procedures (firstaid.html))
Eye: Irrigate immediately
Skin: Soap wash promptly
Breathing: Respiratory support
Swallow: Medical attention immediately

Respirator Recommendations

Mercury vapor:

NIOSH

Up to 0.5 mg/m3:
(APF = 10) Any chemical cartridge respirator with cartridge(s) providing protection against the compound of concern†
(APF = 10) Any supplied-air respirator

Up to 1.25 mg/m3:
(APF = 25) Any supplied-air respirator operated in a continuous-flow mode
(APF = 25) Any powered, air-purifying respirator with cartridge(s) providing protection against the compound of concern†(canister)

Up to 2.5 mg/m3:
(APF = 50) Any chemical cartridge respirator with a full facepiece and cartridge(s) providing protection against the compound of concern†
(APF = 50) Any air-purifying, full-facepiece respirator (gas mask) with a chin-style, front- or back-mounted canister providing protection against the compound of concern†
(APF = 50) Any supplied-air respirator that has a tight-fitting facepiece and is operated in a continuous-flow mode
(APF = 50) Any powered, air-purifying respirator with a tight-fitting facepiece and cartridge(s) providing protection against the compound of concern(canister)
(APF = 50) Any self-contained breathing apparatus with a full facepiece
(APF = 50) Any supplied-air respirator with a full facepiece

Up to 10 mg/m3:
(APF = 1000) Any supplied-air respirator operated in a pressure-demand or other positive-pressure mode

Emergency or planned entry into unknown concentrations or IDLH conditions:
(APF = 10,000) Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode
(APF = 10,000) Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained positive-pressure breathing apparatus

Escape:
(APF = 50) Any air-purifying, full-facepiece respirator (gas mask) with a chin-style, front- or back-mounted canister providing protection against the compound of concern
Any appropriate escape-type, self-contained breathing apparatus

Other mercury compounds: NIOSH/OSHA

Up to 1 mg/m3:
(APF = 10) Any chemical cartridge respirator with cartridge(s) providing protection against the compound of concern†

(APF = 10) Any supplied-air respirator

Up to 2.5 mg/m3:
(APF = 25) Any supplied-air respirator operated in a continuous-flow mode
(APF = 25) Any powered, air-purifying respirator with cartridge(s) providing protection against the compound of concern†(canister)

Up to 5 mg/m3:
(APF = 50) Any chemical cartridge respirator with a full facepiece and cartridge(s) providing protection against the compound of concern†
(APF = 50) Any air-purifying, full-facepiece respirator (gas mask) with a chin-style, front- or back-mounted canister providing protection against the compound of concern†
(APF = 50) Any supplied-air respirator that has a tight-fitting facepiece and is operated in a continuous-flow mode
(APF = 50) Any powered, air-purifying respirator with a tight-fitting facepiece and cartridge(s) providing protection against the compound of concern(canister)
(APF = 50) Any self-contained breathing apparatus with a full facepiece
(APF = 50) Any supplied-air respirator with a full facepiece

Up to 10 mg/m3:
(APF = 1000) Any supplied-air respirator operated in a pressure-demand or other positive-pressure mode

Emergency or planned entry into unknown concentrations or IDLH conditions:
(APF = 10,000) Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode
(APF = 10,000) Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained positive-pressure breathing apparatus

Escape:
(APF = 50) Any air-purifying, full-facepiece respirator (gas mask) with a chin-style, front- or back-mounted canister providing protection against the compound of concern
Any appropriate escape-type, self-contained breathing apparatus

Important additional information about respirator selection (pgintrod.html#mustread)

See also: INTRODUCTION (/niosh/npg/pgintrod.html) See ICSC CARD: 0056 (/niosh/ipcsneng/neng0056.html) See MEDICAL TESTS: 0136 (/niosh/docs/2005-110/nmed0136.html)

Page last reviewed: April 4, 2011
Page last updated: November 18, 2010
Content source: National Institute for Occupational Safety and Health (NIOSH) Education and Information Division

Chlorodiphenyl (54% chlorine)

Synonyms & Trade Names Aroclor® 1254, PCB, Polychlorinated biphenyl

CAS No. 11097-69-1	**RTECS No.** TQ1360000 (/niosh-rtecs/TQ14C080.html)	**DOT ID & Guide** 2315 171 (http://wwwapps.tc.gc.ca/saf-sec-sur/3/erg-gmu/erg/guidepage.aspx?guide=171) (http://www.cdc.gov/Other/disclaimer.html)
Formula $C_6H_3Cl_2C_6H_2Cl_3$ (approx)	**Conversion**	**IDLH** Ca [5 mg/m³] See: IDLH INDEX (/idlh/intridl4.html)

Exposure Limits

NIOSH REL *: Ca TWA 0.001 mg/m³ See Appendix A (nengapdxa.html) [*Note: The REL also applies to other PCBs.]

OSHA PEL : TWA 0.5 mg/m³ [skin]

Measurement Methods

NIOSH 5503 (/niosh/docs/2003-154/pdfs/5503.pdf) ;
OSHA PV2088 (http://www.osha.gov/dts/sltc/methods/partial/t-pv2088-01-8812-ch/t-pv2088-01-8812-ch.html) (http://www.cdc.gov/Other/disclaimer.html)
See: NMAM (/niosh/docs/2003-154/) or OSHA Methods (http://www.osha.gov/dts/sltc/methods/index.html) (http://www.cdc.gov/Other/disclaimer.html)

Physical Description Colorless to pale-yellow, viscous liquid or solid (below 50°F) with a mild, hydrocarbon odor.

MW: 326 (approx)	**BP:** 689-734°F	**FRZ:** 50°F	**Sol:** Insoluble	**VP:** 0.00006 mmHg	**IP:** ?
Sp.Gr(77°F): 1.38	**Fl.P:** NA	**UEL:** NA	**LEL:** NA		

Nonflammable Liquid, but exposure in a fire results in the formation of a black soot containing PCBs, polychlorinated dibenzofurans, and chlorinated dibenzo-p-dioxins.

Incompatibilities & Reactivities Strong oxidizers

Exposure Routes inhalation, skin absorption, ingestion, skin and/or eye contact

Symptoms irritation eyes, chloracne; liver damage; reproductive effects; [potential occupational carcinogen]

carcinogen]

Target Organs Skin, eyes, liver, reproductive system

Cancer Site [in animals: tumors of the pituitary gland & liver, leukemia]

Personal Protection/Sanitation (See protection codes (protect.html))
Skin: Prevent skin contact
Eyes: Prevent eye contact
Wash skin: When contaminated
Remove: When wet or contaminated
Change: Daily
Provide: Eyewash, Quick drench

First Aid (See procedures (firstaid.html))
Eye: Irrigate immediately
Skin: Soap wash immediately
Breathing: Respiratory support
Swallow: Medical attention immediately

Respirator Recommendations

NIOSH

At concentrations above the NIOSH REL, or where there is no REL, at any detectable concentration:
(APF = 10,000) Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode
(APF = 10,000) Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained positive-pressure breathing apparatus

Escape:
(APF = 50) Any air-purifying, full-facepiece respirator (gas mask) with a chin-style, front- or back-mounted organic vapor canister having an N100, R100, or P100 filter.
Click here (pgintrod.html#nrp) for information on selection of N, R, or P filters.
Any appropriate escape-type, self-contained breathing apparatus

Important additional information about respirator selection (pgintrod.html#mustread)

See also: INTRODUCTION (/niosh/npg/pgintrod.html) See ICSC CARD: 0939 (/niosh/ipcsneng/neng0939.html) See MEDICAL TESTS: 0176 (/niosh/docs/2005-110/nmed0176.html)

Page last reviewed: April 4, 2011
Page last updated: November 18, 2010
Content source: National Institute for Occupational Safety and Health (NIOSH) Education and Information Division

Chlorodiphenyl (42% chlorine)

Synonyms & Trade Names Aroclor® 1242, PCB, Polychlorinated biphenyl

CAS No. 53469-21-9	**RTECS No.** TQ1356000 (/niosh-rtecs/TQ14B0E0.html)	**DOT ID & Guide** 2315 171 (http://wwwapps.tc.gc.ca/saf-sec-sur/3/erg-gmu/erg/guidepage.aspx?guide=171) (http://www.cdc.gov/Other/disclaimer.html)
Formula $C_6H_4ClC_6H_3Cl_2$ (approx)	**Conversion**	**IDLH** Ca [5 mg/m3] See: 53469219 (/niosh/idlh/53469219.html)

Exposure Limits

NIOSH REL *: Ca TWA 0.001 mg/m3 See Appendix A (nengapdxa.html) [*Note: The REL also applies to other PCBs.]

OSHA PEL : TWA 1 mg/m3 [skin]

Measurement Methods

NIOSH 5503 (/niosh/docs/2003-154/pdfs/5503.pdf);

OSHA PV2089 (http://www.osha.gov/dts/sltc/methods/partial/t-pv2089-01-8812-ch/t-pv2089-01-8812-ch.html) (http://www.cdc.gov/Other/disclaimer.html)

See: NMAM (/niosh/docs/2003-154/) or OSHA Methods (http://www.osha.gov/dts/sltc/methods/index.html) (http://www.cdc.gov/Other/disclaimer.html)

Physical Description Colorless to light-colored, viscous liquid with a mild, hydrocarbon odor.

MW: 258 (approx)	**BP:** 617-691°F	**FRZ:** -2°F	**Sol:** Insoluble	**VP:** 0.001 mmHg	**IP:** ?
Sp.Gr(77°F): 1.39	**Fl.P:** NA	**UEL:** NA	**LEL:** NA		

Nonflammable Liquid, but exposure in a fire results in the formation of a black soot containing PCBs, polychlorinated dibenzofurans & chlorinated dibenzo-p-dioxins.

Incompatibilities & Reactivities Strong oxidizers

Exposure Routes inhalation, skin absorption, ingestion, skin and/or eye contact

Symptoms irritation eyes; chloracne; liver damage; reproductive effects; [potential occupational carcinogen]

Target Organs Skin, eyes, liver, reproductive system

Cancer Site [in animals: tumors of the pituitary gland & liver, leukemia]

Personal Protection/Sanitation (See protection codes (protect.html))
Skin: Prevent skin contact
Eyes: Prevent eye contact
Wash skin: When contaminated
Remove: When wet or contaminated
Change: Daily
Provide: Eyewash, Quick drench

First Aid (See procedures (firstaid.html))
Eye: Irrigate immediately
Skin: Soap wash immediately
Breathing: Respiratory support
Swallow: Medical attention immediately

Respirator Recommendations

NIOSH

At concentrations above the NIOSH REL, or where there is no REL, at any detectable concentration:
(APF = 10,000) Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode
(APF = 10,000) Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained positive-pressure breathing apparatus

Escape:
(APF = 50) Any air-purifying, full-facepiece respirator (gas mask) with a chin-style, front- or back-mounted organic vapor canister having an N100, R100, or P100 filter.
Click here (pgintrod.html#nrp) for information on selection of N, R, or P filters.
Any appropriate escape-type, self-contained breathing apparatus

Important additional information about respirator selection (pgintrod.html#mustread)

See also: INTRODUCTION (/niosh/npg/pgintrod.html) See MEDICAL TESTS: 0175 (/niosh/docs/2005-110/nmed0175.html)

Page last reviewed: April 4, 2011
Page last updated: November 18, 2010
Content source: National Institute for Occupational Safety and Health (NIOSH) Education and Information Division

Centers for Disease Control and Prevention 1600 Clifton Rd. Atlanta, GA 30333, USA
800-CDC-INFO (800-232-4636) TTY: (888) 232-6348 - Contact CDC–INFO

PWGC
Strategic Environmental Engineering Solutions

APPENDIX F

CONFINED SPACE ENTRY CHECKLIST/PERMIT

PWGC
Strategic Environmental Engineering Solutions

CONFINED SPACE ENTRY PERMIT

Confined Space □	Hazardous Area □	Non Permit Required □

Notes:
No work will be performed unless the space meets non permit requirements
Permit valid 8 hours only. All copies of permit will remain at this job site until job is completed.
A single entry permit can be filled out prior to start of daily work.
SAFETY STANDBY PERSON IS REQUIRED FOR ALL CONFINED SPACE WORK

Site Location and Description: _____
Purpose of Entry: _____
Supervisior(s) in charge of Crew: _____

Requirements	**Date**	**Time**	**Requirements**	**Date**	**Time**
Lock Out/De-energize/try-out			**Full Body Harness w/"D" Ring**		
Line(s) Broken-capped-blanked			**Emergency Escape Retrieval**		
Purged-Flush and Vent			**Lifelines**		
Ventilation			Fire Extinguishers		
Secure Area (Post and Flag)			Lighting (Explosive Proof)		
Breathing Apparatus			Protective Clothing		
Resuscitator-Inhalator			Respirator(s) (Air Purifying)		
Standby Safety Personnel			Burning and Welding Permit		

BOLD DENOTES MINIMUM REQUIREMENTS TO BE COMPLETED & REVIEWED PRIOR TO ENTRY
Items that do not apply enter N/A in the blank

Monitoring Tests	Permissible Entry Levels	Results (record every 30 minutes beginning ½ hour prior to entry)							
Oxygen	19.5 to 23.5%								
LEL	Below 10%								
Hydrogen sulfide (H_2S)	10ppm† 15ppm‡								

†Short term exposure limit (STEL)
‡8 hour Time weighted average (TWA)

Monitoring Equipment

_____
Type Model # Serial #

_____
Type Model # Serial #

Safety standby person(s): _____

Supervisor authorizing entry: _____

PWGC
Strategic Environmental Engineering Solutions

APPENDIX G
EMERGENCY INFORMATION

HOSPITAL ROUTE

325 EAST 25TH STREET
TO
BELLEVUE HOSPITAL CENTER
462 FIRST AVENUE

0 0.05 0.1 0.15 0.2 Miles

PWGC
Strategic Environmental and Engineering Solutions
P.W. GROSSER CONSULTING, INC.
630 Johnson Avenue, • Suite 7
Bohemia • NY • 11716-2618
Phone: (631) 589-6353 • Fax: (631) 589-8705
E-mail: INFO@PWGROSSER.COM

Project:	PHG1301
Date:	8/15/2013
Designed by:	BB
Drawn by:	BB
Approved by:	TM
Figure No:	1

Document Path: D:\GIS\Projects\M-R\PHG\1301\mapfiles\HospitalRoute.mxd

PWGC
Strategic Environmental Engineering Solutions

EMERGENCY PHONE NUMBERS

General Emergencies - New York City Police/Fire Department/Ambulance	911
Non-Emergency Hotline - New York City Police/Fire Department/Ambulance	311
Local Emergency Medical Center (Mt. Sinai Hospital Queens)	1-718-932-1000
National Response Center	1-800-424-8802
Poison Control	1-212-340-4494
NYSDEC Spills Division	1-800-457-7362
NYSDEC Hazardous Waste Division	1-718-482-4994
NYC Office of Environmental Remediation	1-212-788-8841
NYC Department of Health	1-212-788-4711
PWGC Project Director, James Rhodes	1-631-589-6353
PWGC Project Manager, Thomas Melia	1-631-589-6353
PWGC Site Safety Officer, Juliann Calabrese (or assignee)	1-516-852-7140

PWGC
Strategic Environmental Engineering Solutions

INCIDENT / NEAR MISS REPORT AND INVESTIGATION - PAGE 1 OF 2
TYPE OF INCIDENT - CHECK ALL THAT APPLY
☐ INJURY/ILLNESS ☐ VEHICLE DAMAGE ☐ PROPERTY DAMAGE ☐ FIRE ☐ SPILL/RELEASE ☐ PERMIT EXCEEDENCE ☐ NEAR MISS ☐ OTHER
GENERAL INFORMATION
PROJECT NAME: DATE OF REPORT: REPORT NO.:
DATE OF INCIDENT: TIME: DAY OF WEEK:
LOCATION OF INCIDENT:
WEATHER CONDITIONS: ADEQUATE LIGHTING AT SCENE? ☐ YES ☐ NO ☐ N/A
DESCRIBE WHAT HAPPENED (STEP BY STEP - USE ADDITIONAL PAGES IF NECESSARY)
AFFECTED EMPLOYEE INFORMATION
NAME: EMPLOYEE: ☐ YES ☐ NO
HOME ADDRESS:
SOCIAL SECURITY NO.: HOME PHONE NO.:
JOB CLASSIFICATION: YEARS IN JOB CLASSIFICATION:
HOURS WORKED ON SHIFT PRIOR TO INCIDENT: AGE:
DID INCIDENT RELATE TO ROUTINE TASK FOR JOB CLASSIFICATION? ☐ YES ☐ NO
INJURY/ILLNESS INFORMATION
NATURE OF INJURY OR ILLNESS:
OBJECT/EQUIPMENT/SUBSTANCE CAUSING HARM:
FIRST AID PROVIDED? ☐ YES ☐ NO
IF YES, WHERE WAS IT GIVEN: ☐ ON-SITE ☐ OFF-SITE
IF YES, WHO PROVIDED FIRST AID:
WILL THE INJURY/ILLNESS RESULT IN: ☐ RESTRICTED DUTY ☐ LOST TIME ☐ UNKNOWN

PWGC
Strategic Environmental Engineering Solutions

INCIDENT / NEAR MISS REPORT AND INVESTIGATION - PAGE 2 OF 2 REPORT NO.
MEDICAL TREATMENT INFORMATION
WAS MEDICAL TREATMENT PROVIDED? ☐ YES ☐ NO
IF YES, WAS MEDICAL TREATMENT PROVIDED: ☐ ON-SITE ☐ DR.'S OFFICE ☐ HOSPITAL
NAME OF PERSON(S) PROVIDING TREATMENT:
ADDRESS WHERE TREATMENT WAS PROVIDED:
TYPE OF TREATMENT:
VEHICLE AND PROPERTY DAMAGE INFORMATION
VEHICLE/PROPERTY DAMAGED:
DESCRIPTION OF DAMAGE:
SPILL AND AIR EMISSIONS INFORMATION:
SUBSTANCE SPILLED OR RELEASED: FROM WHERE: TO WHERE:
ESTIMATED QUANTITY/DURATION:
CERCLA HAZARDOUS SUBSTANCE? ☐ YES ☐ NO
REPORTABLE TO AGENCY? ☐ YES ☐ NO SPECIFY:
WRITTEN REPORT: ☐ YES ☐ NO TIME FRAME:
RESPONSE ACTION TAKEN:
PERMIT EXCEEDENCE
TYPE OF PERMIT: PERMIT #:
DATE OF EXCEEDENCE: DATE FIRST KNOWLEDGE OF EXCEEDENCE:
PERMITTED LEVEL OR CRITERIA:
EXCEEDENCE LEVEL OR CRITERIA:
REPORTABLE TO AGENCY? ☐ YES ☐ NO SPECIFY:
WRITTEN REPORT: ☐ YES ☐ NO TIME FRAME:
RESPONSE ACTION TAKEN:
NOTIFICATIONS
NAMES OF PERSONNEL NOTIFIED: DATE/TIME:
CLIENT NOTIFIED: DATE/TIME:
AGENCY NOTIFIED: DATE/TIME:
CONTACT NAME:
PERSONS PREPARING REPORT
EMPLOYEE'S NAME:(PRINT) SIGN:
SUPERVISOR'S NAME:(PRINT) SIGN:

PWGC
Strategic Environmental Engineering Solutions

INVESTIGATIVE REPORT			
DATE OF INCIDENT:	DATE OF REPORT:	REPORT NUMBER:	
INCIDENT COST: ESTIMATED: $_____	ACTUAL: $_____		
OSHA RECORDABLE(S): ☐ YES ☐ NO # RESTRICTED DAYS ____ # DAYS AWAY FROM WORK ____			
CAUSE ANALYSIS			
IMMEDIATE CAUSES - WHAT ACTIONS AND CONDITIONS CONTRIBUTED TO THIS EVENT?			
BASIC CAUSES - WHAT SPECIFIC PERSONAL OR JOB FACTORS CONTRIBUTED TO THIS EVENT?			
ACTION PLAN			
REMEDIAL ACTIONS - WHAT HAS AND OR SHOULD BE DONE TO CONTROL EACH OF THE CAUSES LISTED?			
ACTION	PERSON RESPONSIBLE	TARGET DATE	COMPLETION DATE
PERSONS PERFORMING INVESTIGATION			
INVESTIGATOR'S NAME: (PRINT)	SIGN:	DATE:	
INVESTIGATOR'S NAME: (PRINT)	SIGN:	DATE:	
INVESTIGATOR'S NAME: (PRINT)	SIGN:	DATE:	
MANAGEMENT REVIEW			
PROJECT MANAGER: (PRINT)	SIGN:	DATE:	
COMMENTS:			
H&S MANAGER: (PRINT)	SIGN:	DATE:	
COMMENTS:			

EXAMPLES OF IMMEDIATE CAUSES

Substandard Actions

1. Operating equipment without authority
2. Failure to warn
3. Failure to secure
4. Operating at improper speed
5. Making safety devices inoperable
6. Removing safety devices
7. Using defective equipment
8. Failure to use PPE properly
9. Improper loading
10. Improper placement
11. Improper lifting
12. Improper position for task
13. Servicing equipment in operation
14. Under influence of alcohol/drugs
15. Horseplay

Substandard Conditions

1. Guards or barriers
2. Protective equipment
3. Tools, equipment, or materials
4. Congestion
5. Warning system
6. Fire and explosion hazards
7. Poor housekeeping
8. Noise exposure
9. Exposure to hazardous materials
10. Extreme temperature exposure
11. Illumination
12. Ventilation
13. Visibility

EXAMPLES OF BASIC CAUSES

Personal Factors

1. Capability
2. Knowledge
3. Skill
4. Stress
5. Motivation
6. Work Standards
7. Wear and tear
8. Abuse or misuse

Job Factors

1. Supervision
2. Engineering
3. Purchasing
4. Maintenance
5. Tools/equipment

MANAGEMENT PROGRAMS FOR CONTROL OF INCIDENTS

1. Leadership and administration
2. Management training
3. Planned inspections
4. Task analysis and procedures
5. Task observation
6. Emergency preparedness
7. Organizational rules
8. Accident/incident analysis
9. Personal protective equipment
10. Health control
11. Program audits
12. Engineering controls
13. Personal communications
14. Group meetings
15. General promotion
16. Hiring and placement
17. Purchasing controls

Appendix C

Proposed Development Plans

EXISTING
5 STORY BRICK
(OUT PARCEL)

NOTES:
1. SOUND ATTENUATION INSULATION WILL BE PROVIDED AT WALLS BETWEEN UNITS AND JANITORS CLOSET, REFUSE ROOM & ELEVATOR SHAFT.

NOTE
DESIGN TO RESIST EFFECTS OF EARTHQUAKE MOTIONS AND ASSIGNED SEISMIC DESIGN CATEGORY, AS SET FORTH IN SECTION 1616.3

AREA PER FLOOR: 5,911 SQ. FT.

1 1ST FLOOR PLAN
1/8" = 1'-0"

E. 25TH STREET

PROJECT:

HENRY PHIPPS PLAZA
INCLUSIONARY ONE

325 EAST 25TH STREET
NEW YORK,NY 10010

OWNER:
HENRY PHIPPS PLAZA SOUTH HDFC
902 BROADWAY
NEW YORK, NY 10010
TEL: (212) 243-9090
FAX:(212) 727-1639

ARCHITECT:
SLCE*Architects*
1359 BROADWAY
NEW YORK, NEW YORK 10018
TEL: (212) 979-8400
FAX: (212) 979-8387

STRUCTURAL ENGINEER:
DENARDIS ENGINEERING L.L.C.
15 RESERVOIR ROAD
WHITE PLAINS, NY 10603
TEL: (914) 948-8844
FAX: (914)948-8868

MECHANICAL ENGINEER:
RODKIN CARDINALE, P.C.
224 WEST 29TH STREET
NEW YORK, NY 10001
TEL: (212) 239-1892
FAX:(212) 239-6412

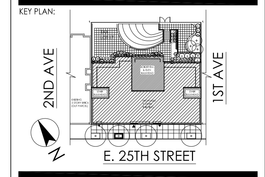
LANDSCAPE:
ABEL BAINNSON BUTZ, LLP
80 EIGHTH AVENUE, SUITE 1105
NEW YORK, NEW YORK 10700
TEL: (212) 206-0630
FAX: (212) 645-0048

No:	Date:	Revision:
	09/01/09	REVISED PER DOB OBJECTIONS
	06/15/09	DOB Submission

SCALE:

0 1' 2' 4' 8'

KEY PLAN:

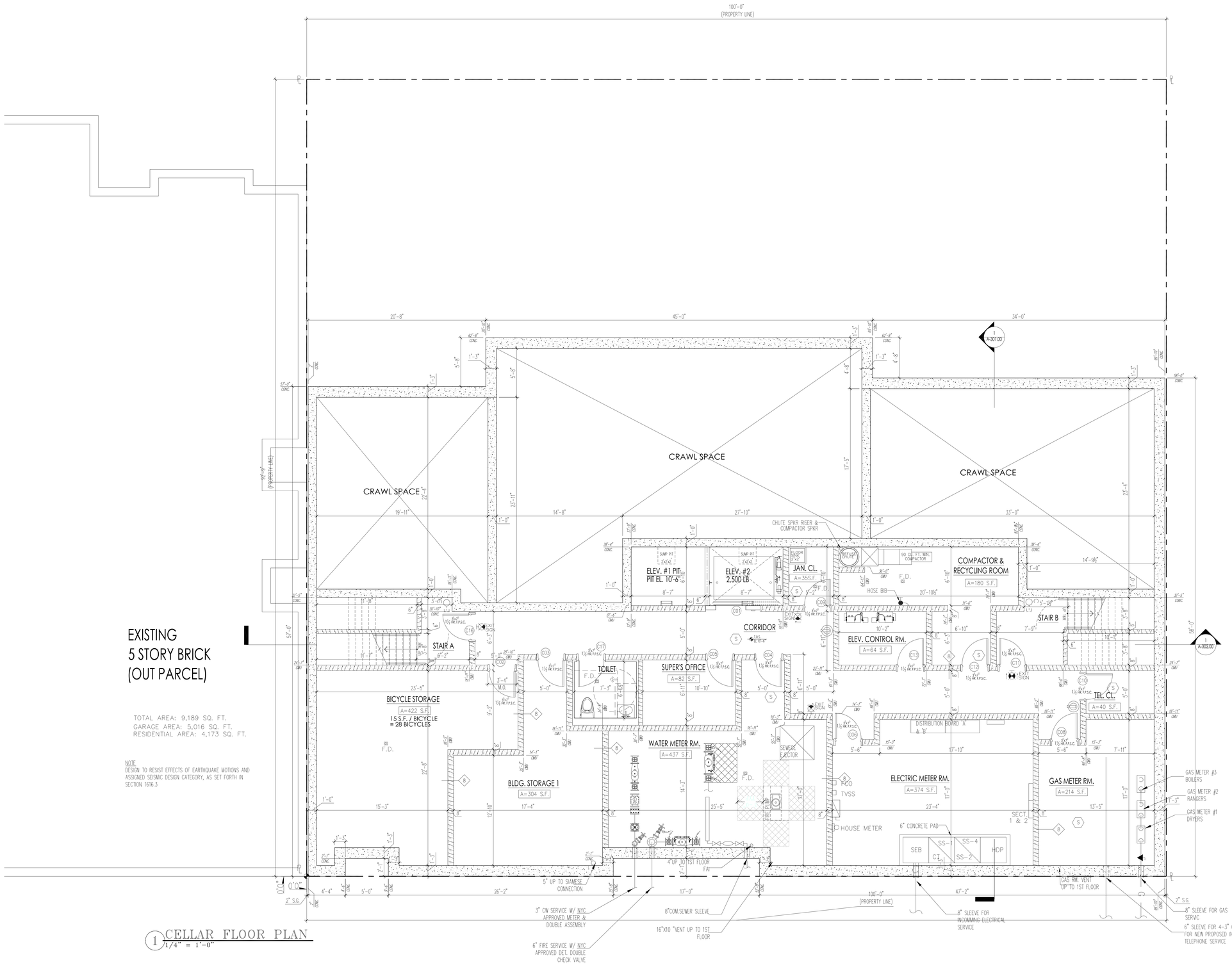


1ST FLOOR PLAN

SEAL & SIGNATURE:

PROJECT No:	2006-30
DRAWN BY:	R.LAZAREVIC
CHECKD BY:	S.TAKAS
DWG. No:	A-102.00

Drawing 10 Of 46



EXISTING
5 STORY BRICK
(OUT PARCEL)

TOTAL AREA: 9,189 SQ. FT.
GARAGE AREA: 5,016 SQ. FT.
RESIDENTIAL AREA: 4,173 SQ. FT.

NOTE
DESIGN TO RESIST EFFECTS OF EARTHQUAKE MOTIONS AND ASSIGNED SEISMIC DESIGN CATEGORY, AS SET FORTH IN SECTION 1616.3

1 CELLAR FLOOR PLAN
1/4" = 1'-0"

PROJECT:

HENRY PHIPPS PLAZA INCLUSIONARY ONE

325 EAST 25TH STREET
NEW YORK,NY 10010

OWNER:
HENRY PHIPPS PLAZA SOUTH HDFC
902 BROADWAY
NEW YORK, NY 10010
TEL: (212) 243-9090
FAX:(212) 727-1639

ARCHITECT:
SLCE*Architects*
1359 BROADWAY
NEW YORK, NEW YORK 10018
TEL: (212) 979-8400
FAX: (212) 979-8387

STRUCTURAL ENGINEER:
DENARDIS ENGINEERING L.L.C.
15 RESERVOIR ROAD
WHITE PLAINS, NY 10603
TEL: (914) 948-8844
FAX: (914)948-8868

MECHANICAL ENGINEER:
RODKIN CARDINALE, P.C.
224 WEST 29TH STREET
NEW YORK, NY 10001
TEL: (212) 239-1892
FAX:(212) 239-6412

LANDSCAPE:
ABEL BAINNSON BUTZ, LLP
80 EIGHTH AVENUE, SUITE 1105
NEW YORK, NEW YORK 10705
TEL: (212) 206-0630
FAX: (212) 645-0048

No.:	Date:	Revision:
	09.01.09	REVISED PER DOB OBJECTIONS
	06/15/09	DOB Submission

Date:	Distribution:

SCALE:

0 1' 2' 4' 8'

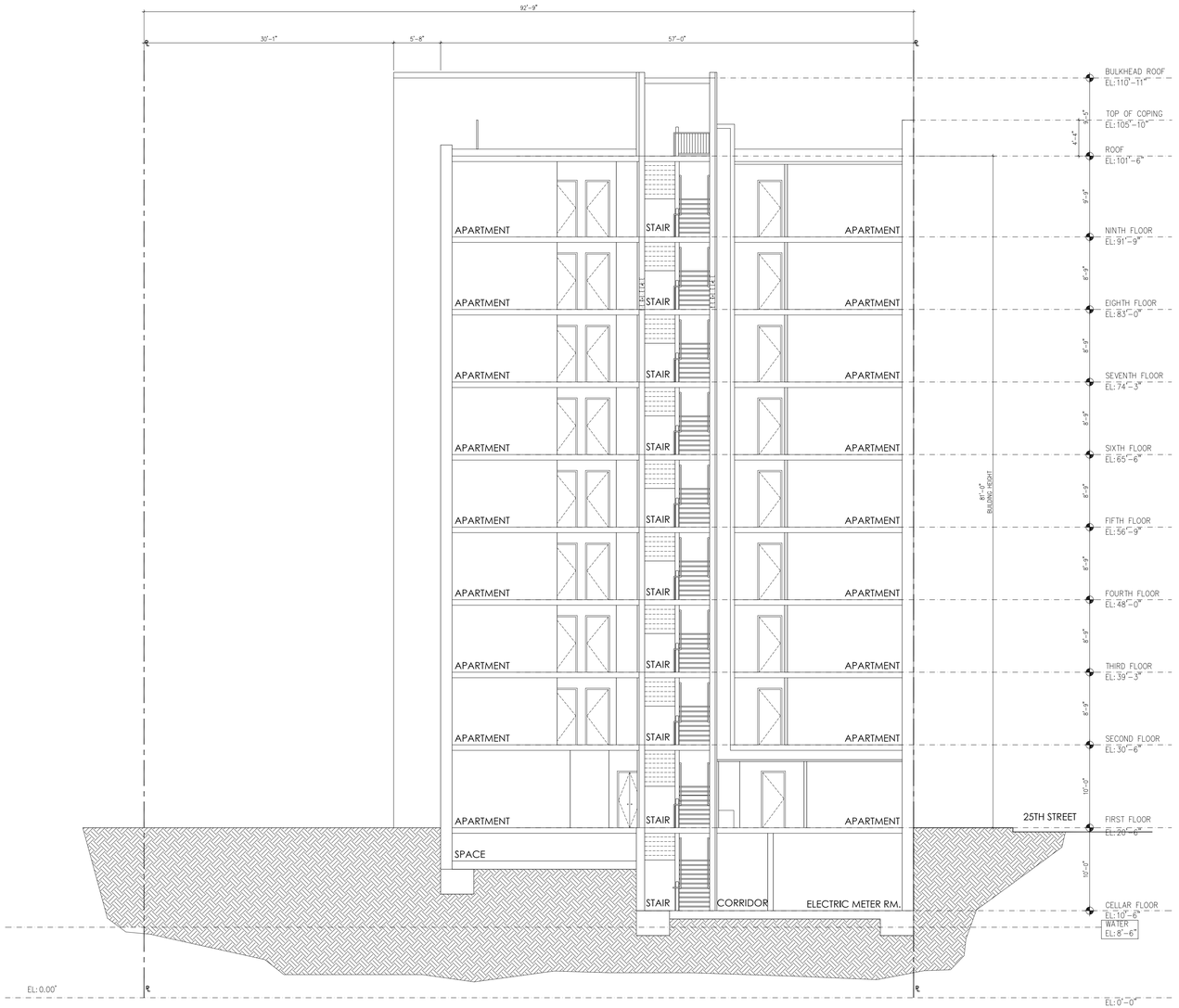
KEY PLAN:

CELLAR FLOOR PLAN

SEAL & SIGNATURE:

PROJECT No:	2006-30
DRAWN BY:	R.LAZAREVIC
CHECKED BY:	S.TARAS
DWG. No:	A-101.00

DRAWING 12 OF 46



1 BUILDING SECTION 1:1
1/8" = 1'-0"

PROJECT:

HENRY PHIPPS PLAZA INCLUSIONARY ONE

325 EAST 25TH STREET
NEW YORK,NY 10010

OWNER:
HENRY PHIPPS PLAZA SOUTH HDFC
902 BROADWAY
NEW YORK, NY 10010
TEL: (212) 243-9090
FAX:(212) 727-1639

ARCHITECT:
SLCE*Architects*
841 BROADWAY
NEW YORK, NEW YORK 10003
TEL: (212) 979-8400
FAX: (212) 979-8387

STRUCTURAL ENGINEER:
DENARDIS ENGINEERING L.L.C.
15 RESERVOIR ROAD
WHITE PLAINS, NY 10603
TEL: (914) 948-8844
FAX: (914)948-8868

MECHANICAL ENGINEER:
SIMON RODKIN, P.C. ENGINEERS
214 WEST 29TH STREET
NEW YORK, NY 10001
TEL: (212) 239-1892
FAX:(212) 239-6412

LANDSCAPE:
ABEL BAINNSON BUTZ, LLP
80 EIGHTH AVENUE, SUITE 1105
NEW YORK, NEW YORK 10705
TEL: (212) 206-0630
FAX: (212) 645-0048

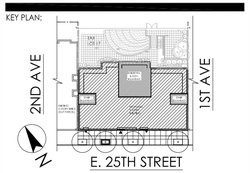
No:	Date:	Distribution:

No:	Date:	Revision:
1	09/01/09	REVISED PER DOB OBJECTIONS
	06/15/09	DOB Submission

SCALE:

0 1' 2' 4' 8'

KEY PLAN:



BUILDING SECTION 1:1

SEAL & SIGNATURE:

PROJECT No:	2006-30
DRAWN BY:	R.LAZAREVIC
CHECK'D BY:	S.YAKAS
DWG. No:	

A-301.00

DRAWING 25 OF 46

Appendix D

Previous Environmental Reports

Appendix E

Vapor Barrier Manufacturer's Specifications

GRACE

PREPRUFE® 300R & 160R

Pre-applied waterproofing membranes that bond integrally to poured concrete for use below slabs or behind basement walls on confined sites

Description

Preprufe® 300R & 160R membranes are unique composite sheets comprising a thick HDPE film, an aggressive pressure sensitive adhesive and a weather resistant protective coating.

Unlike conventional non-adhering membranes, which are vulnerable to water ingress tracking between the unbonded membrane and structure, the unique Preprufe bond to concrete prevents ingress or migration of water around the structure.

The Preprufe R System includes:

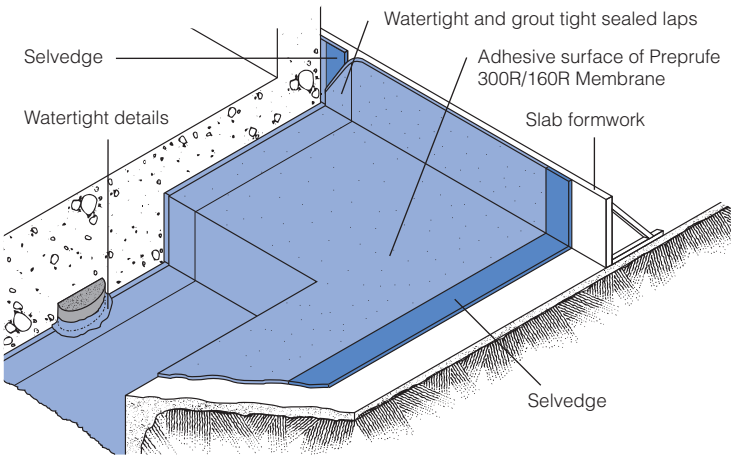
- **Preprufe 300R**—heavy-duty grade for use below slabs and on rafts (i.e. mud slabs). Designed to accept the placing of heavy reinforcement using conventional concrete spacers.
- **Preprufe 160R**—thinner grade for blindside, zero property line applications against soil retention systems.
- **Preprufe Tape LT**—for covering cut edges, roll ends, penetrations and detailing (temperatures between 25°F (-4°C) and 86°F (+30°C)).
- **Preprufe Tape HC**—as above for use in Hot Climates (minimum 50°F (10°C)).
- **Bituthene® Liquid Membrane**—for sealing around penetrations, etc.
- **Adcor™ ES**—waterstop for joints in concrete walls and floors
- **Preprufe Tieback Covers**—preformed cover for soil retention wall tieback heads
- **Preprufe Preformed Corners**—preformed inside and outside corners

Preprufe 300R & 160R membranes are applied either horizontally to smooth prepared concrete, carton forms or well rolled and compacted earth or crushed stone substrate; or vertically to permanent formwork or adjoining structures. Concrete is then cast directly against the adhesive side of the membranes. The specially developed Preprufe adhesive layers work together to form a continuous and integral seal to the structure.

Preprufe can be returned up the inside face of slab formwork but is not recommended for conventional twin-sided formwork on walls, etc. Use Bituthene self-adhesive membrane or Procor® fluid applied membrane to walls after removal of formwork for a fully bonded system to all structural surfaces.

Advantages

- **Forms a unique continuous adhesive bond to concrete poured against it**—prevents water migration and makes it unaffected by ground settlement beneath slabs
- **Fully-adhered watertight laps** and detailing
- **Provides a barrier to water, moisture and gas**—physically isolates the structure from the surrounding ground
- **BBA Certified** for basement Grades 2, 3, & 4 to BS 8102:1990
- **Zero permeance** to moisture
- **Solar reflective**—reduced temperature gain
- **Simple and quick to install**—requiring no priming or fillets
- **Can be applied to permanent formwork**—allows maximum use of confined sites
- **Self protecting**—can be trafficked immediately after application and ready for immediate placing of reinforcement
- **Unaffected by wet conditions**—cannot activate prematurely
- **Inherently waterproof, non-reactive system:**
  - not reliant on confining pressures or hydration
  - unaffected by freeze/thaw, wet/dry cycling
- **Chemical resistant**—effective in most types of soils and waters, protects structure from salt or sulphate attack



Drawings are for illustration purposes only.
Please refer to graceconstruction.com for specific application details.

BBA BRITISH BOARD OF AGREMENT CERTIFICATE No. 97/3325

Installation

The most current application instructions, detail drawings and technical letters can be viewed at graceconstruction.com. For other technical information contact your local Grace representative.

Preprufe 300R & 160R membranes are supplied in rolls 4 ft (1.2 m) wide, with a selvedge on one side to provide self-adhered laps for continuity between rolls. The rolls of Preprufe Membrane and Preprufe Tape are interwound with a disposable plastic release liner which must be removed before placing reinforcement and concrete.

Substrate Preparation

All surfaces—It is essential to create a sound and solid substrate to eliminate movement during the concrete pour. Substrates must be regular and smooth with no gaps or voids greater than 0.5 in. (12 mm). Grout around all penetrations such as utility conduits, etc. for stability (see Figure 1).

Horizontal—The substrate must be free of loose aggregate and sharp protrusions. Avoid curved or rounded substrates. When installing over earth or crushed stone, ensure substrate is well compacted to avoid displacement of substrate due to traffic or concrete pour. The surface does not need to be dry, but standing water must be removed.

Vertical—Use concrete, plywood, insulation or other approved facing to sheet piling to provide support to the membrane. Board systems such as timber lagging must be close butted to provide support and not more than 0.5 in. (12 mm) out of alignment.

Membrane Installation

Preprufe can be applied at temperatures of 25°F (-4°C) or above. When installing Preprufe in cold or marginal weather conditions 55°F (<13°C) the use of Preprufe Tape LT is recommended at all laps and detailing. Preprufe Tape LT should be applied to clean, dry surfaces and the release liner must be removed immediately after application. Alternatively, Preprufe Low Temperature (LT) is available for low temperature condition applications. Refer to Preprufe LT data sheet for more information.

Horizontal substrates—Place the membrane HDPE film side to the substrate with the clear plastic release liner facing towards the concrete pour. End laps should be staggered to avoid a build up of layers. Leave plastic release liner in position until overlap procedure is completed (see Figure 2).

Accurately position succeeding sheets to overlap the previous sheet 3 in. (75 mm) along the marked selvedge. Ensure the underside of the succeeding sheet is clean, dry and free from contamination before attempting to overlap. Peel back the plastic release liner from between the overlaps as the two layers are bonded together. Ensure a continuous bond is achieved without creases and roll firmly with a heavy roller. Completely remove the plastic liner to expose the protective coating. Any initial tack will quickly disappear.

Refer to Grace Tech Letter 15 for information on suitable rebar chairs for Preprufe.

Vertical substrates—Mechanically fasten the membrane vertically using fasteners appropriate to the substrate with the the clear plastic release liner facing towards the concrete pour. The membrane may be installed in any convenient length. Fastening can be made through the selvedge using a small and low profile head fastener so that the membrane lays flat and allows firmly rolled overlaps. Immediately remove the plastic release liner.

Ensure the underside of the succeeding sheet is clean, dry and free from contamination before attempting to overlap. Roll firmly to ensure a watertight seal.

Roll ends and cut edges—Overlap all roll ends and cut edges by a minimum 3 in. (75 mm) and ensure the area is clean and free from contamination, wiping with a damp cloth if necessary. Allow to dry and apply Preprufe Tape LT (or HC in hot climates) centered over the lap edges and roll firmly (see Figure 3). Immediately remove printed plastic release liner from the tape.

Details

Refer to Preprufe Field Application Manual, Section V Application Instructions or visit graceconstruction.com. This manual gives comprehensive guidance and standard details.

Membrane Repair

Inspect the membrane before installation of reinforcement steel, formwork and final placement of concrete. The membrane can be easily cleaned by power washing if required. Repair damage by wiping the area with a damp cloth to ensure the area is clean and free from dust, and allow to dry. Repair small punctures (0.5 in. (12 mm) or less) and slices by applying Preprufe Tape centered over the damaged area and roll firmly. Remove the release liner from the tape. Repair holes and large punctures by applying a patch of Preprufe membrane, which extends 6 in. (150 mm) beyond the damaged area. Seal all edges of the patch with Preprufe Tape, remove the release liner from the tape and roll firmly. Any areas of damaged adhesive should be covered with Preprufe Tape. Remove printed plastic release liner from tape. Where exposed selvedge has lost adhesion or laps have not been sealed, ensure the area is clean and dry and cover with fresh Preprufe Tape, rolling firmly. Alternatively, use a hot air gun or similar to activate adhesive and firmly roll lap to achieve continuity.

Pouring of Concrete

Ensure the plastic release liner is removed from all areas of Preprufe membrane and tape.

It is recommended that concrete be poured within 56 days (42 days in hot climates) of application of the membrane. Following proper ACI guidelines, concrete must be placed carefully and consolidated properly to avoid damage to the membrane. Never use a sharp object to consolidate the concrete.

Removal of Formwork

Preprufe membranes can be applied to removable formwork, such as slab perimeters, elevator and lift pits, etc. Once the concrete is poured the formwork must remain in place until the concrete has gained sufficient compressive strength to develop the surface bond. Preprufe membranes are not recommended for conventional twin-sided wall forming systems.

A minimum concrete compressive strength of 1500 psi (10 N/mm^2) is recommended prior to stripping formwork supporting Preprufe membranes. Premature stripping may result in displacement of the membrane and/or spalling of the concrete.

Refer to Grace Tech Letter 17 for information on removal of formwork for Preprufe.

Figure 1

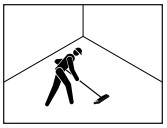


Figure 2

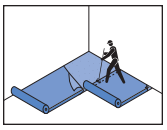
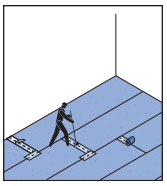
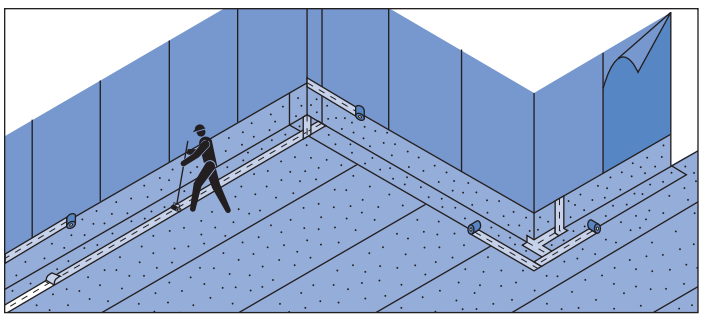


Figure 3

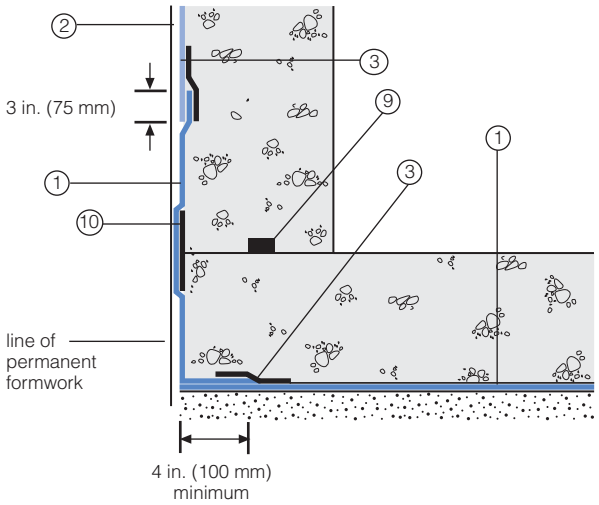




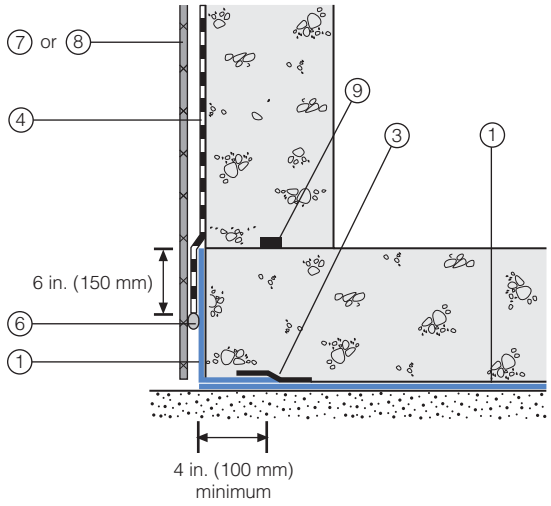
Detail Drawings

Details shown are typical illustrations and not working details. For a list of the most current details, visit us at graceconstruction.com. For technical assistance with detailing and problem solving please call toll free at 866-333-3SBM (3726).

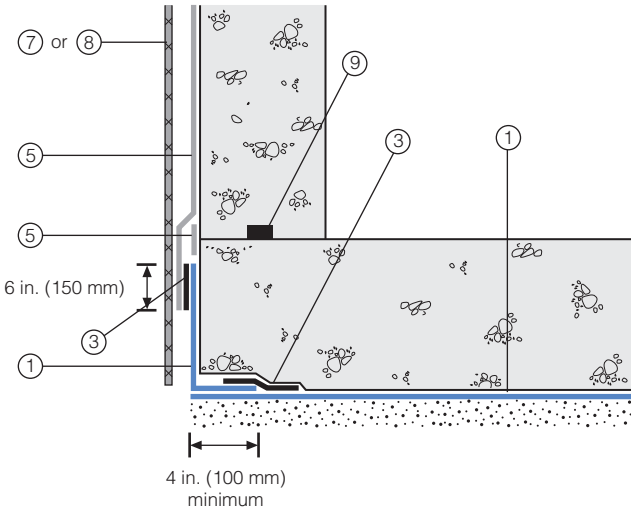
Wall base detail against permanent shutter



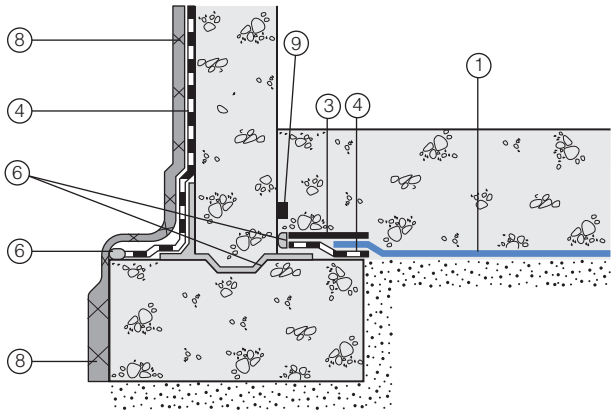
Bituthene wall base detail (Option 1)



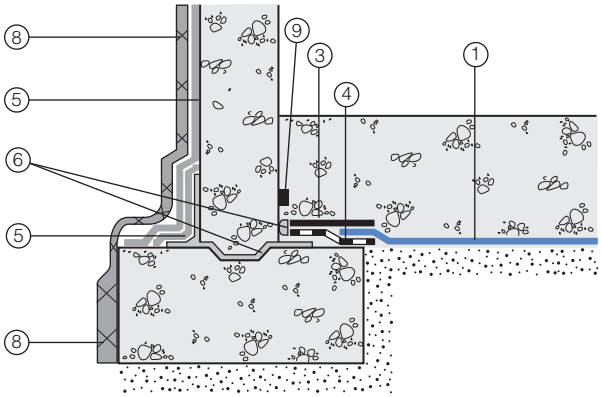
Procor wall base detail (Option 1)



Bituthene wall base detail (Option 2)



Procor wall base detail (Option 2)



1 Preprufe 300R
2 Preprufe 160R
3 Preprufe Tape
4 Bituthene
5 Procor
6 Bituthene Liquid Membrane
7 Protection
8 Hydroduct®
9 Adcor ES
10 Preprufe CJ Tape

Supply

Dimensions (Nominal)	Preprufe 300R Membrane	Preprufe 160R Membrane	Preprufe Tape (LT or HC*)
Thickness	0.046 in. (1.2 mm)	0.032 in. (0.8 mm)	
Roll size	4 ft x 98 ft (1.2 m x 30 m)	4 ft x 115 ft (1.2 m x 35 m)	4 in. x 49 ft (100 mm x 15 m)
Roll area	392 ft^2 (36 m^2)	460 ft^2 (42 m^2)	
Roll weight	108 lbs (50 kg)	92 lbs (42 kg)	4.3 lbs (2 kg)
Minimum side/end laps	3 in. (75 mm)	3 in. (75 mm)	3 in. (75 mm)
* LT denotes Low Temperature (between 25°F (-4°C) and 86°F (+30°C)) HC denotes Hot Climate (50°F (>+10°C))			
Ancillary Products			
Bituthene Liquid Membrane—1.5 US gal (5.7 liter) or 4 US gal (15.1 liter)			

Physical Properties

Property	Typical Value 300R	Typical Value 160R	Test Method
Color	white	white	
Thickness	0.046 in. (1.2 mm)	0.032 in. (0.8 mm)	ASTM D3767
Lateral Water Migration Resistance	Pass at 231 ft (71 m) of hydrostatic head pressure	Pass at 231 ft (71 m) of hydrostatic head pressure	ASTM D5385, modified[1]
Low temperature flexibility	Unaffected at -20°F (-29°C)	Unaffected at -20°F (-29°C)	ASTM D1970
Resistance to hydrostatic head	231 ft (71 m)	231 ft (71 m)	ASTM D5385, modified[2]
Elongation	500%	500%	ASTM D412, modified[3]
Tensile strength, film	4000 psi (27.6 MPa)	4000 psi (27.6 MPa)	ASTM D412
Crack cycling at -9.4°F (-23°C), 100 cycles	Unaffected, Pass	Unaffected, Pass	ASTM C836
Puncture resistance	221 lbs (990 N)	100 lbs (445 N)	ASTM E154
Peel adhesion to concrete	5 lbs/in. (880 N/m)	5 lbs/in. (880 N/m)	ASTM D903, modified[4]
Lap peel adhesion	5 lbs/in. (880 N/m)	5 lbs/in. (880 N/m)	ASTM D1876, modified[5]
Permeance to water vapor transmission	0.01 perms (0.6 ng/(Pa x s x m^2))	0.01 perms (0.6 ng/(Pa x s x m^2))	ASTM E96, method B
Water absorption	0.5%	0.5%	ASTM D570

Footnotes:

1. Lateral water migration resistance is tested by casting concrete against membrane with a hole and subjecting the membrane to hydrostatic head pressure with water. The test measures the resistance of lateral water migration between the concrete and the membrane.
2. Hydrostatic head tests of Preprufe Membranes are performed by casting concrete against the membrane with a lap. Before the concrete cures, a 0.125 in. (3 mm) spacer is inserted perpendicular to the membrane to create a gap. The cured block is placed in a chamber where water is introduced to the membrane surface up to the head indicated.
3. Elongation of membrane is run at a rate of 2 in. (50 mm) per minute.
4. Concrete is cast against the protective coating surface of the membrane and allowed to properly dry (7 days minimum). Peel adhesion of membrane to concrete is measured at a rate of 2 in. (50 mm) per minute at room temperature.
5. The test is conducted 15 minutes after the lap is formed (per Grace published recommendations) and run at a rate of 2 in. (50 mm) per minute.

Specification Clauses

Preprufe 300R or 160R shall be applied with its adhesive face presented to receive fresh concrete to which it will integrally bond. Only Grace Construction Products approved membranes shall be bonded to Preprufe 300R/160R. All Preprufe 300R/160R system materials shall be supplied by Grace Construction Products, and applied strictly in accordance with their instructions. Specimen performance and formatted clauses are also available.

NOTE: Use Preprufe Tape to tie-in Procor with Preprufe.

Health and Safety

Refer to relevant Material Safety data sheet. Complete rolls should be handled by a minimum of two persons.

www.graceconstruction.com

For technical assistance call toll free at 866-333-3SBM (3726)

PF-111H Printed in U.S.A. 07/12 FA/PDF

GRACE

FLORPRUFE® 120

Integrally bonded vapor protection for slabs on grade

Description

Florprufe® 120 is a high perfor-mance vapor barrier with Grace's Advanced Bond Technology™ that forms a unique seal to the underside of concrete floor slabs.

Comprising a highly durable polyolefin sheet and a specially developed, non-tacky adhesive coating, Florprufe 120 seals to liquid concrete to provide integrally bonded vapor protection.

Florprufe exceeds ASTM E1745 Class A rating.

Advantages

- Forms a powerful integral seal to the underside of concrete slabs
- Protects valuable floor finishes such as wood, tiles, carpet and resilient flooring from damage by vapor transmission
- Direct contact with the slab complies with the latest industry recommendations
- Remains sealed to the slab even in cases of ground settlement
- Ultra low vapor permeability
- Durable, chemical resistant polyolefin sheet
- Lightweight, easy to apply, kick out rolls
- Simple lap forming with mechanical fixings or tape

Use

Florprufe 120 is engineered for use below slabs on grade with moisture-impermeable or moisture-sensitive floor finishes that require the highest level of vapor protection.

[1] ACI 302.1R-96

Product Advantages

- Forms a powerful integral seal
- Protects valuable floor finishes
- Ultra low vapor permeability
- Durable, chemical resistant
- Lightweight and easy to apply

Florprufe complies with the latest recommendations of ACI Committees 302 and 360, i.e. for slabs with vapor sensitive coverings, the location of the vapor barrier should always be in direct contact with the slab1.

The membrane is loose laid onto the prepared sub-base, forming overlaps that can be either mechanically secured or taped. The unique bond of Florprufe to concrete provides continuity of vapor protection at laps. Alternatively, if a taped system is preferred, self-adhered Preprufe® Tape can be used to overband the laps.

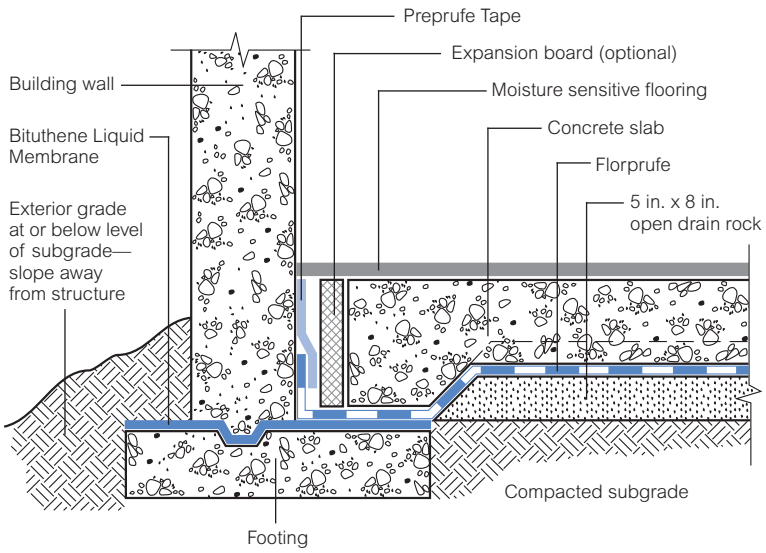
Slab reinforcement and concrete can be placed immediately. Once the concrete is poured, an integral bond develops between the concrete and membrane.

Installation

Health & Safety

Refer to relevant Material Safety Data Sheet. Complete rolls should be handled by 2 persons.

Florprufe 120 can be applied at temperatures of 25ºF (-4ºC) or above. Membrane installation is unaffected by wet weather. Installation and detailing of Florprufe 120 are generally in accordance with ASTM E1643-98.



Typical Assembly

Drawings are for illustration purposes only.
Please refer to www.graceconstruction.com for specific application details.

Supply

Florprufe 120	
Supplied in rolls	4 ft x 115 ft (1.2 m x 35 m)
Roll area	460 ft² (42 m²)
Roll weight	70 lbs (32 kg) approx.
Ancillary Products	
Preprufe Tape is packaged in cartons containing 4 rolls that are 4 in. x 49 ft (100 mm x 15 m).	
Bituthene Liquid Membrane is supplied in 1.5 gal (5.7 L) pails.	

Physical Properties: Exceeds ASTM E1745 Class A rating

Property	Typical Value	Test Method
Color	White	
Thickness (nominal)	0.021 in. (0.5 mm)	ASTM D3767—method A
Water vapor permeance	0.03 perms	ASTM E96—method B1
Tensile strength	65 lbs/in.	ASTM E1541
Elongation	300%	ASTM D412
Puncture resistance	3300 gms	ASTM D17091
Peel adhesion to concrete	>4 lbs/in.	ASTM D903

1. Test methods that comprise ASTM E1745 standard for vapor retarders

Prepare substrate in accordance with ACI 302.1R Section 4.1. Install Florprufe 120 over the leveled and compacted base. Place the membrane with the smooth side down and the plastic release liner side up facing towards the concrete slab. Remove and discard plastic release liner. End laps should be staggered to avoid a build up of layers. Succeeding sheets should be accurately positioned to overlap the previous sheet 2 in. (50 mm) along the marked lap line.

Laps

1. Mechanical fastening method—
To prevent the membrane from moving and gaps opening, the laps should be fastened together at 39 in. (1.0 m) maximum centers. Fix through the center of the lap area using 0.5 in. (12 mm) long washer-head, self-tapping, galvanized screws (or similar) and allowing the head of the screw to bed into the adhesive compound to self-seal. It is not necessary to fix the membrane to the substrate, only to itself. Ensure the membrane lays flat and no openings occur. (See Figure 1.) Additional fastening may be required at corners, details, etc. Continuity is achieved once the slab is poured and the bond to concrete develops.

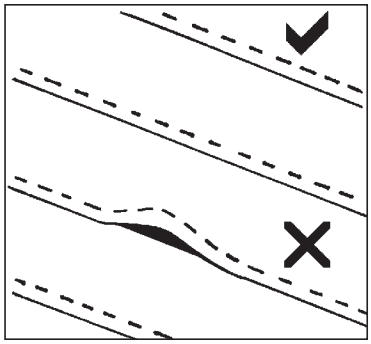


Figure 1

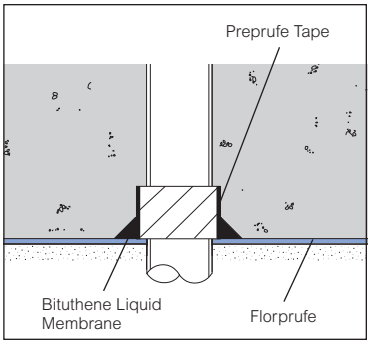


Figure 2

OR

2. Taped lap method—
For additional security use Grace Preprufe Tape to secure and seal the overlaps. Overband the lap with the 4 in. (100 mm) wide Preprufe Tape, using the lap line for alignment. Remove plastic release liner to ensure bond to concrete.

Penetrations

Mix and apply Bituthene Liquid Membrane detailing compound to seal around penetrations such as drainage pipes, etc. (See Figure 2 and refer to the Bituthene Liquid Membrane data sheet, BIT-230.)

Concrete Placement

Place concrete within 30 days. Inspect membrane and repair any damage with patches of Preprufe Tape. Ensure all liner is removed from membrane and tape before concreting.

www.graceconstruction.com

For technical assistance call toll free at 866-333-3SBM (3726)

PF-001G Printed in U.S.A. 3/07 FA/LI/1M

GRACE

APPENDIX C

DAILY REPORTS AND AIR MONITORING LOGS

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☒	Partly Cloudy	☐	Bright Sun	☐
TEMP.	TO 32	☐	32-50	☒	50-70	☐	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Dec 22, 2014
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monodnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Soil excavation
Soil removal
Concrete chipping
Fence demolition

Working In Grid #: 1

Samples Collected (Since Last Report):
None

Air Monitoring (Since Last Report):
No limits Exceeded

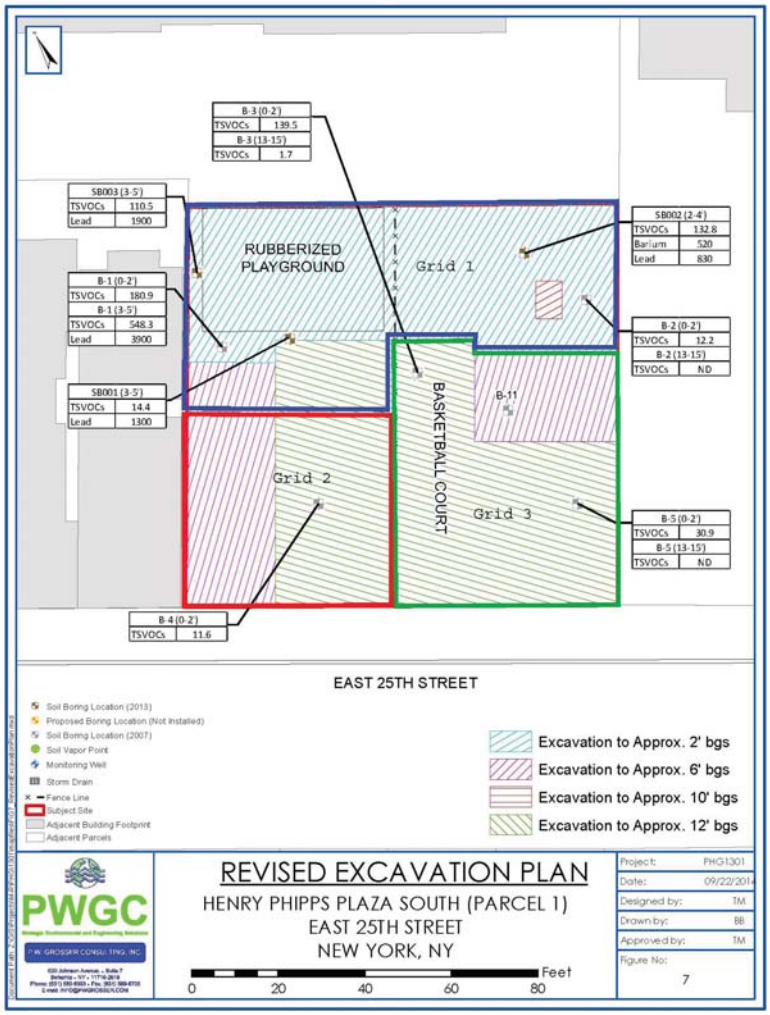
Problems Encountered:
None

Planned Activities for Next Week:
Continue soil removal

File Name: 2014-12-22_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
	9	180								
Totals (trucks, cu.yds.)	9	180								

Site Grid Map



File Name: 2014-12-22_15CVCP032M_Daily Report

Photo Log

Photo 1 – Beginning soil excavation in Grid 1	
Photo 2 – Soil excavation	
Photo 3 – Soil loading for transport	

File Name: 2014-12-22_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☒	Partly Cloudy	☐	Bright Sun	☐
TEMP.	TO 32	☐	32-50	☒	50-70	☐	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Dec 23, 2014
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monodnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Soil excavation
Soil removal
Install gravel driveway
Asphalt removal

Working In Grid #: 1

Samples Collected (Since Last Report):
None

Air Monitoring (Since Last Report):
No limits Exceeded

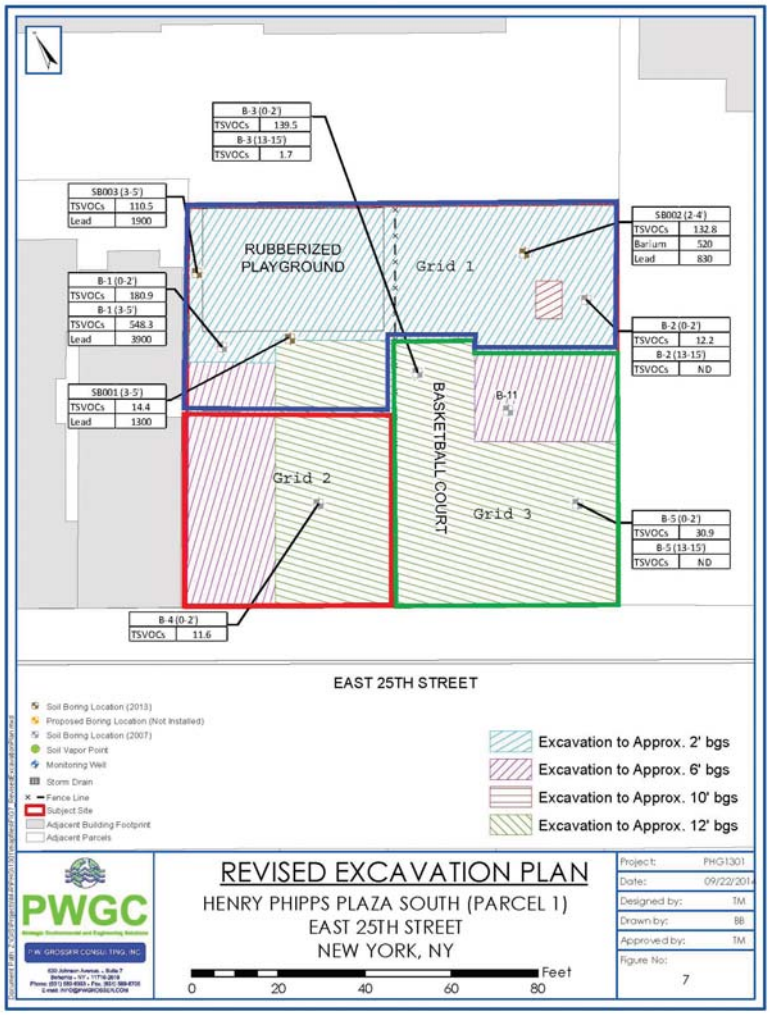
Problems Encountered:
None

Planned Activities for Next Week:
Continue soil removal
Endpoint sampling as necessary

File Name: 2014-12-23_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
	6	120								
Totals (trucks, cu.yds.)	15	300								

Site Grid Map



File Name: 2014-12-23_15CVCP032M_Daily Report

Photo Log

Photo 1 – Soil excavation in Grid 1	
Photo 2 – Soil excavation	
Photo 3 – Soil loading for transport	

File Name: 2014-12-23_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☒	Partly Cloudy	☐	Bright Sun	☐
TEMP.	TO 32	☐	32-50	☒	50-70	☐	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Dec 24, 2014
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monodnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Site cleanup
Work cancelled due to excavation crew no show

Working In Grid #: 1

Samples Collected (Since Last Report):
None

Air Monitoring (Since Last Report):
No limits Exceeded

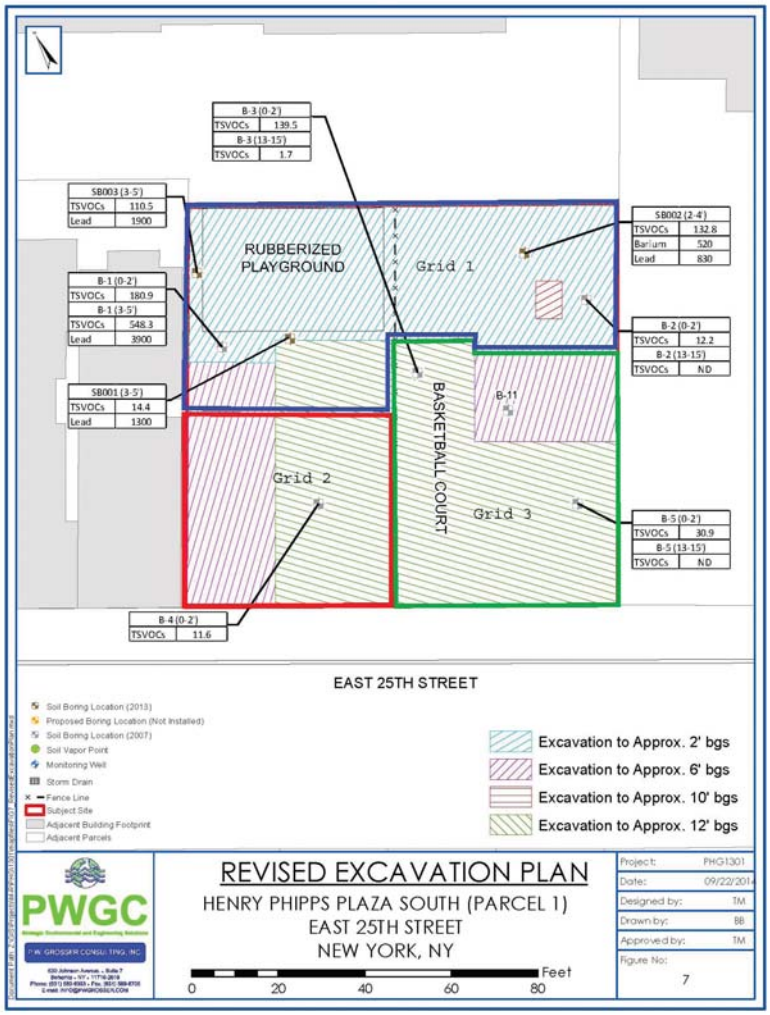
Problems Encountered:
None

Planned Activities for Next Week:
Continue soil removal
Endpoint sampling as necessary

File Name: 2014-12-24_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	15	300								

Site Grid Map



 File Name: 2014-12-24_15CVCP032M_Daily Report

Photo Log

Photo 1 – Site cleanup/organization	
Photo 2 – Site cleanup/organization	
Photo 3 – Grid 1 excavation	

File Name: 2014-12-24_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☒	Partly Cloudy	☐	Bright Sun	☐
TEMP.	TO 32	☐	32-50	☒	50-70	☐	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Dec 29, 2014
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Usman Chaudhry
Contractor:	
Monodnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Soil excavation
Soil removal and Transport

Working In Grid #: 3

Samples Collected (Since Last Report):
None

Air Monitoring (Since Last Report):
No limits Exceeded

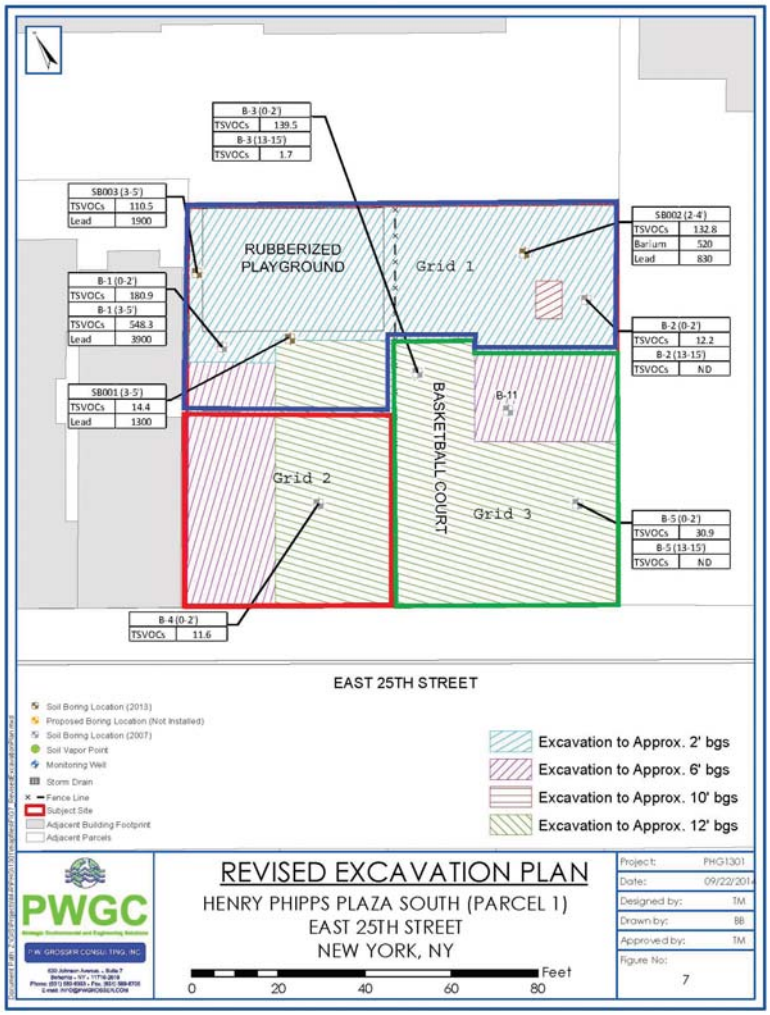
Problems Encountered:
None

Planned Activities for Next Week:
Continue soil removal
Endpoint sampling as necessary

File Name: 2014-12-29_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
			13	260						
Totals (trucks, cu.yds.)	15	300	13	260						

Site Grid Map



File Name: 2014-12-29_15CVCP032M_Daily Report

Photo Log

Photo 1 – Excavation in Grid 3	
Photo 2 – Soil loading	
Photo 3 – Grid 3 excavation	

File Name: 2014-12-29_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☒	Bright Sun	☐
TEMP.	TO 32	☐	32-50	☒	50-70	☐	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Dec 30, 2014
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Usman Chaudhry
Contractor:	
Monodnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Moving soil in Grid 1 and Grid 3
Leveling soil in Grid 1
Removing concrete sidewalk on south side of site.

Working In Grid #: 3

Samples Collected (Since Last Report):
Collected endpoint sample EP003

Air Monitoring (Since Last Report):
No limits Exceeded

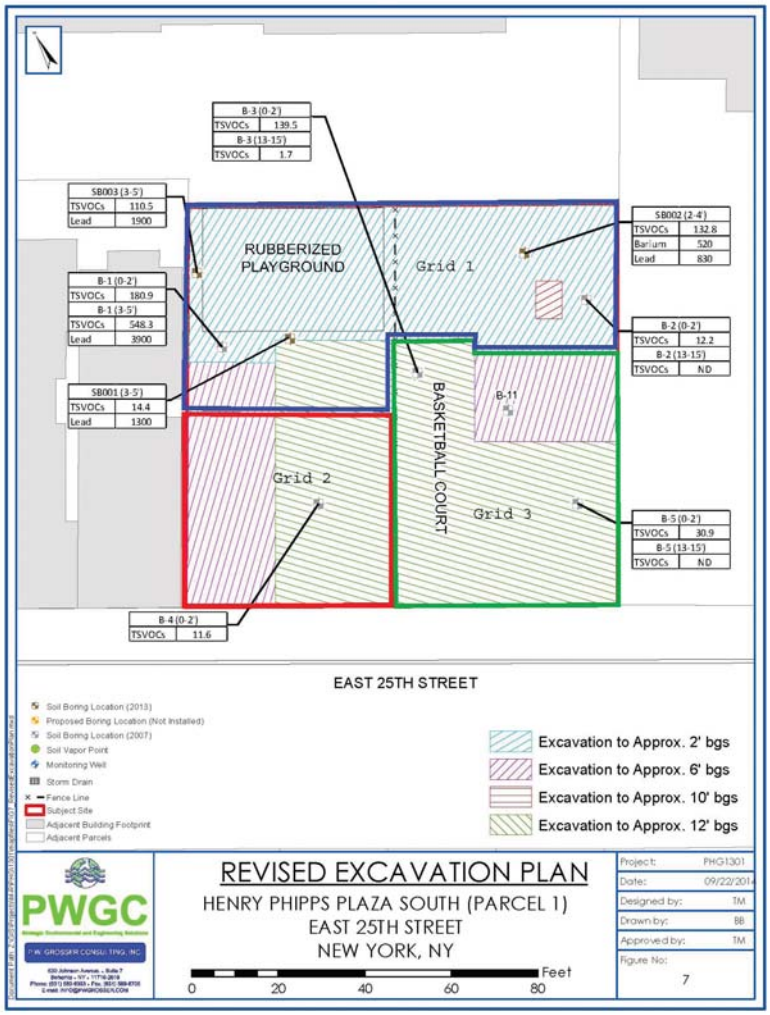
Problems Encountered:
None

Planned Activities for Next Week:
Continue soil removal
Endpoint sampling as necessary

File Name: 2014-12-30_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	15	300	13	260						

Site Grid Map



File Name: 2014-12-30_15CVCP032M_Daily Report

Photo Log

Photo 1 – Excavation in Grid 1	
Photo 2 – Excavation in Grid 3	
Photo 3 – Excavation in Grid 3	

File Name: 2014-12-30_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☒	Bright Sun	☐
TEMP.	TO 32	☐	32-50	☒	50-70	☐	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Jan 5, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monodnock Construction, Inc.	

Work Activities Performed (Since Last Report):
No excavation activity. Work Cancelled mid-day.

Working In Grid #: n/a

Samples Collected (Since Last Report):
None

Air Monitoring (Since Last Report):
No limits Exceeded

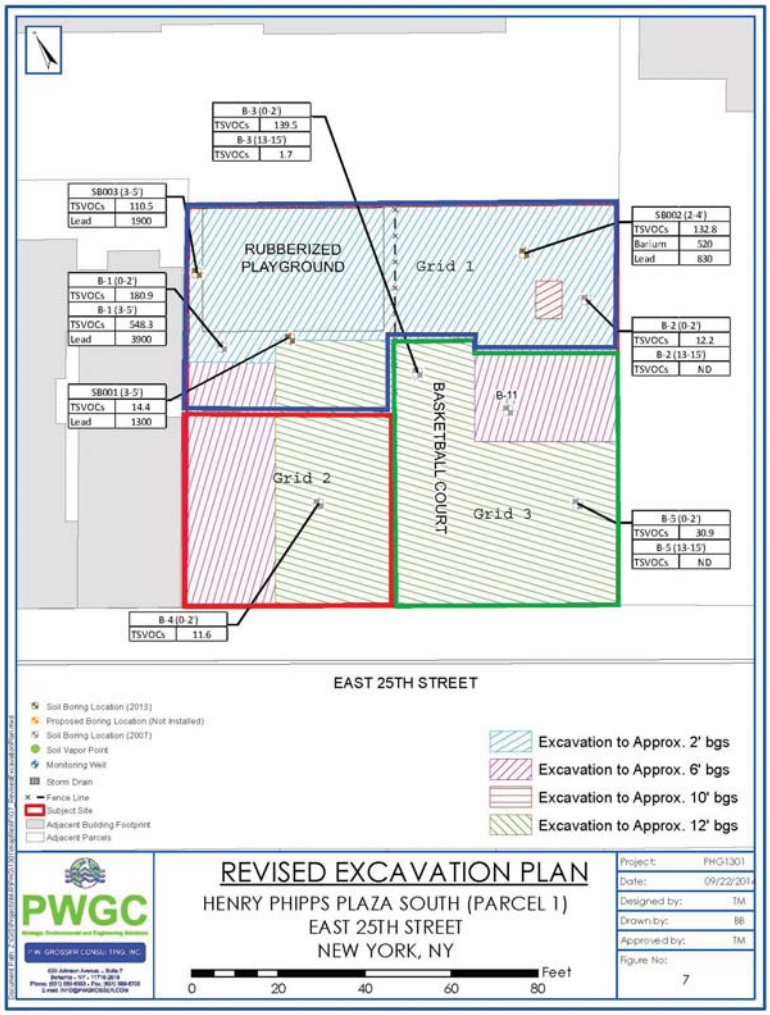
Problems Encountered:
None

Planned Activities for Next Week:
Continue soil removal
Endpoint sampling as necessary
Test pits to identify depth to bedrock

File Name: 2015-01-05_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	15	300	13	260						

Site Grid Map



 File Name: 2015-01-05_15CVCP032M_Daily Report

Photo Log

Photo 1 – Grid 3 excavation	
Photo 2 – Grid 1 & Grid 3 excavations	
Photo 3 – Grid 3 excavation	

File Name: 2015-01-05_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☒	Bright Sun	☐
TEMP.	TO 32	☒	32-50	☐	50-70	☐	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Feb 10, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Test pits dug in various areas of site to determine depth to bedrock. UST unearthed and punctured in NE Grid 1. UST pumped by Tanks-A-Lot (~500 gallons).

Working In Grid #: 1,2,3

Samples Collected (Since Last Report):
No Samples

Air Monitoring (Since Last Report):
No limits Exceeded

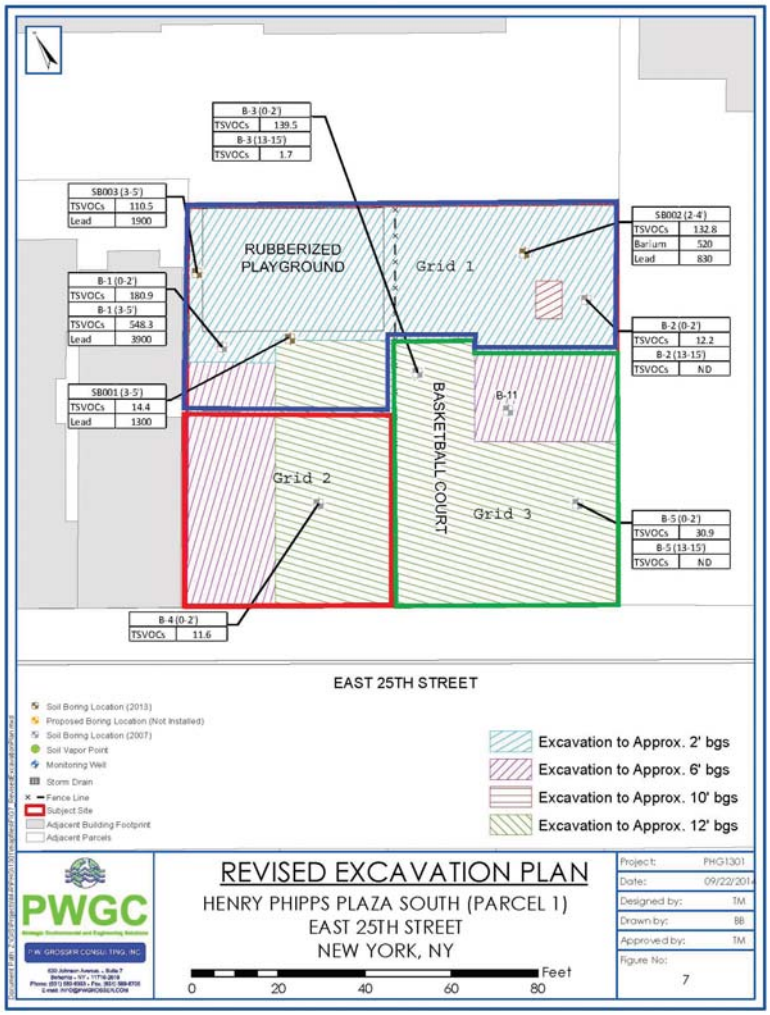
Problems Encountered:
UST unearthed in NE grid 1. UST in ~8ft long by ~40 inches in diameter.

Planned Activities for Next Week:
UST Removal

File Name: 2015-02-10_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	15	300	13	260						

Site Grid Map



 File Name: 2015-02-10_15CVCP032M_Daily Report

Photo Log

Photo 1 – Tank Pumping in Grid 1	
Photo 2 – Digging Test Pits	
Photo 3 – Unearthing the UST	

File Name: 2015-02-10_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☒	Bright Sun	☐
TEMP.	TO 32	☒	32-50	☐	50-70	☐	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Feb 11, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):

Tank removed from the northeast corner of the site and taken away by ABC Tanks. Tank pit screened (maximum ~1.0 ppm VOCs) and then backfilled. Small area leaked on by tank contents (~10 gallons), screened (maximum ~30 ppm VOCs) and then removed onto poly sheeting.

Working In Grid #: 1,2,3

Samples Collected (Since Last Report):

5 samples collected from tank pit; 4 sidewall samples and 1 bottom sample.

Air Monitoring (Since Last Report):

No limits Exceeded

Problems Encountered:

Slight tank leakage during removal. Soil screened and placed onto poly sheeting.

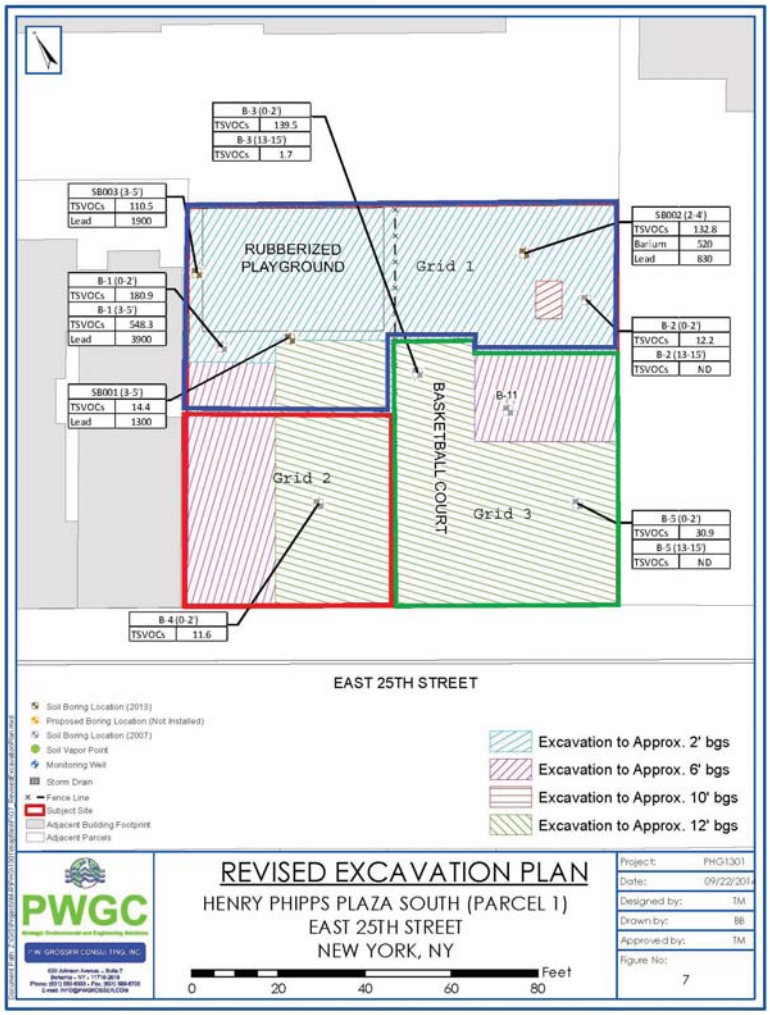
Planned Activities for Next Week:

Possible soil removal

File Name: 2015-02-11_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	15	300	13	260						

Site Grid Map



 File Name: 2015-02-11_15CVCP032M_Daily Report

Photo Log

Photo 1 – Tank Removal in Grid 1	
Photo 2 – Backfilling Tank Pit	
Photo 3 – Affected Soil on Sheeting	

File Name: 2015-02-11_15CVCP032M_Daily Report

Red Comments Will Not Be Printed

You may only submit by E-mail if you have Adobe Acrobat. If you have Adobe Reader, please print out the form, scan it, and e-mail it manually.

Submit by Email | Print Form

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☐	Bright Sun	☒
TEMP.	TO 32	☒	32-50	☐	50-70	☐	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Feb 16, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Jacob Gardner
Contractor:	
Monodnock Construction, Inc.	

Work Activities Performed (Since Last Report): Bulleted format can be use

No excavation activity. Work cancelled due to weather.

Working In Grid #: n/a

Samples Collected (Since Last Report):

None

Air Monitoring (Since Last Report):

No limits Exceeded

Problems Encountered:

None

Planned Activities for Next Week: Bulleted format can be use

Continue soil removal

File Name: 2015-02-16_15CVCP032M_Daily Report

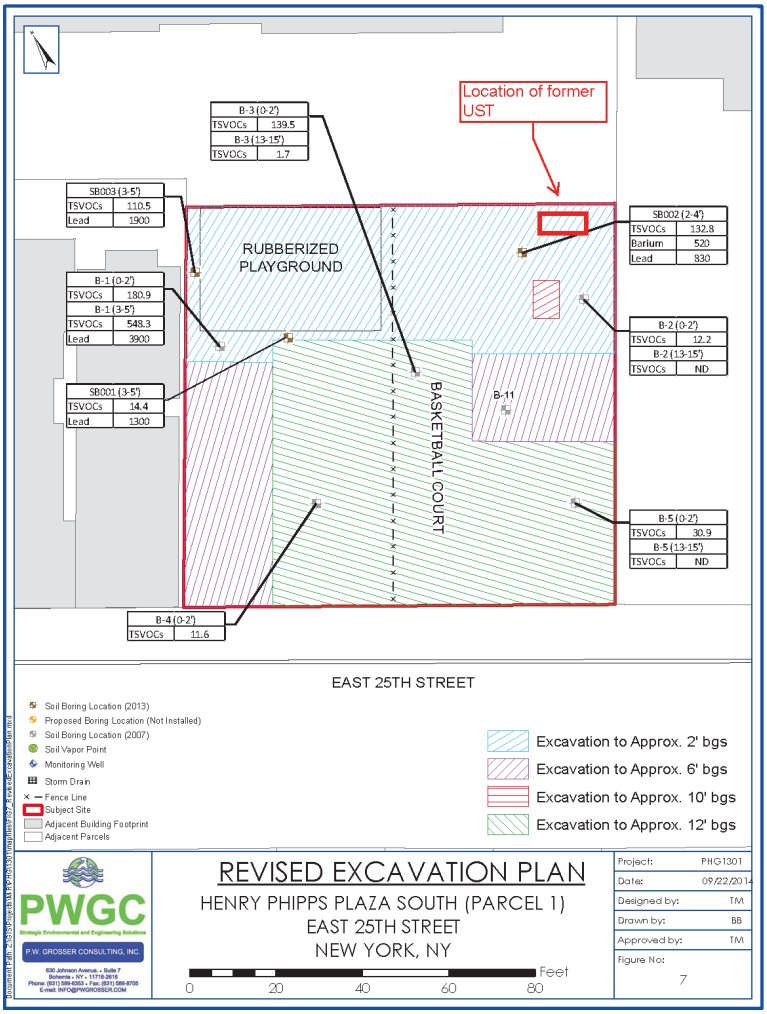
Example: Year-Month-Date.Site Number.Daily_Report.doc

Submit by Email | Print Form

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	15	300	13	260						

Click in the box to add a map (jpg, gif, png, or tif format only)

Site Grid Map



 File Name: 2015-02-16_15CVCP032M_Daily Report

Submit by Email | Print Form

Photo Log

Include a photo description

Click in the box to add a photo

Photo 1 –	
Photo 2 –	
Photo 3 –	

File Name: 2015-02-16_15CVCP032M_Daily Report

Red Comments Will Not Be Printed

You may only submit by E-mail if you have Adobe Acrobat. If you have Adobe Reader, please print out the form, scan it, and e-mail it manually.

DAILY STATUS REPORT

Prepared By: Ryan Morley

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☒	Bright Sun	☐
TEMP.	TO 32	☒	32-50	☐	50-70	☐	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Feb 18, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Ryan Morley
Contractor:	
Monodnock Construction, Inc.	

Work Activities Performed (Since Last Report): Bulleted format can be use

Six loads of material (~120 cubic yards) was excavated from Grid-3 (0-8') and transported to Palmerton, PA. Soil was graded and sloped in Grid-3 as well.

Working In Grid #: 3

Samples Collected (Since Last Report):
None

Air Monitoring (Since Last Report):
No limits Exceeded

Problems Encountered:
None

Planned Activities for Next Week: Bulleted format can be use

Continue soil removal

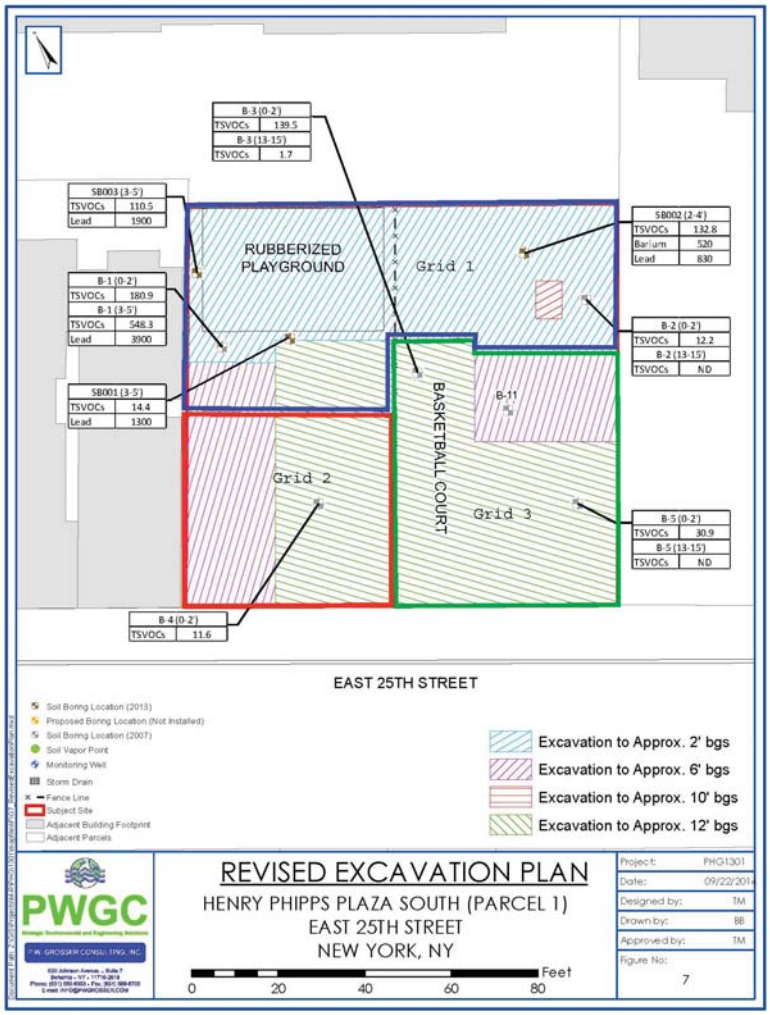
File Name: 2015-02-18_15CVCP032M_Daily Report

Example: Year-Month-Date.Site Number.Daily_Report.doc

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
			6	120						
Totals (trucks, cu.yds.)	15	300	19	300						

Click in the box to add a map (jpg, gif, png, or tif format only)

Site Grid Map



 File Name: 2015-02-18_15CVCP032M_Daily Report

Photo Log

Include a photo description

Click in the box to add a photo

Photo 1 – View of the site at the beginning of the day.	
Photo 2 – View of truck being loaded with material from Grid-3.	
Photo 3 – Grid 3 excavation	

File Name: 2015-02-18_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Ryan Morley

WEATHER	Snow		Rain		Overcast		Partly Cloudy	x	Bright Sun	
TEMP.	< 32	x	32-50		50-70		70-85		>85	

BCP Project No.:	15CVCP032M	E-Number Project No.:		Date:	02/19/2015
Project Name:	Henry Phipps Plaza (Parcel 1)				

Consultant: P.W. Grosser Consulting	Safety Officer: Ryan Morley
General Contractor: Monodnock Construction, Inc.	Site Manager/ Supervisor: Phipps Housing

Work Activities Performed (Since Last Report):
Four loads (~80 cu. Yds.) was excavated from Grid-3 (0-8') and transported to Palmerton, PA.

Working In Grid #: 3

Samples Collected (Since Last Report):
No samples collected

Air Monitoring (Since Last Report):
No limits were exceeded.

Problems Encountered:
No problems encountered

Planned Activities for the Next Day/ Week:

Soil grading and sloping is planned for the next day.

									Example:	
Facility # Name/ Location Type of Waste Solid Or Liquid	Bayshore Soil Management Grid-1 Solid		Palmerton, PA Grid-2 & Grid-3 (0-8') Solid		Lyndhurst, NJ/ Prospect Park, NJ Grid-3 (8-12') Solid				####### Clean Earth Carteret, NJ petroleum soils Solid	
(Trucks, Cu.Yds. Or Gallons)	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds.
Today			4	80					5	120
Total	15	400	23	460					25	600

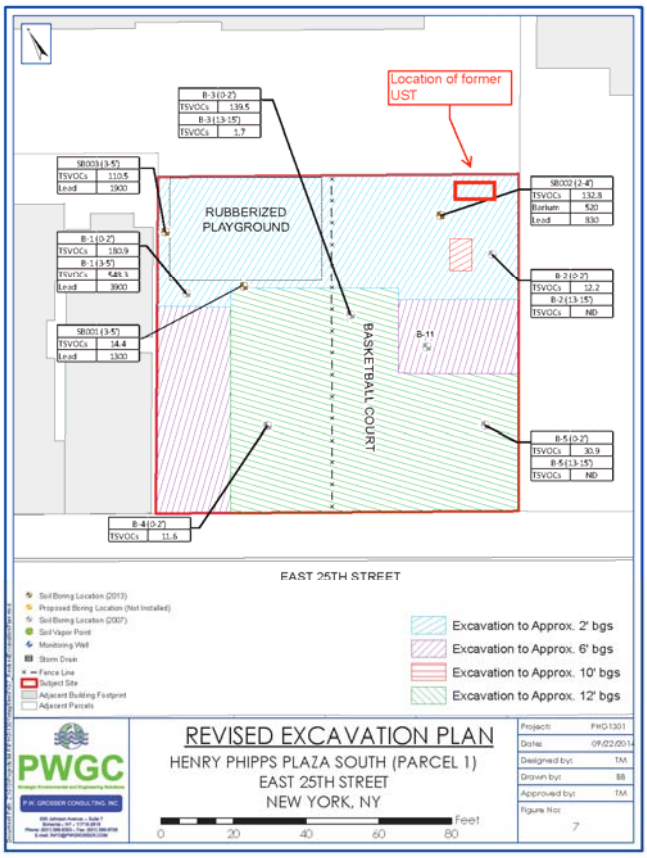


Photo Log

Photo 1 – Truck being loaded with material from Grid-3 (0-8')	
Photo 2 – View of excavation.	
Photo 3 – View of eastern side of the site at the end of the day.	

DAILY STATUS REPORT

Prepared By: Ryan Morley

WEATHER	Snow		Rain		Overcast		Partly Cloudy	x	Bright Sun	
TEMP.	< 32	x	32-50		50-70		70-85		>85	

BCP Project No.:	15CVCP032M	E-Number Project No.:		Date:	02/20/2015
Project Name:	Henry Phipps Plaza (Parcel 1)				

Consultant: P.W. Grosser Consulting	Safety Officer: Ryan Morley
General Contractor: Monodnock Construction, Inc.	Site Manager/ Supervisor: Phipps Housing

Work Activities Performed (Since Last Report):
PW Grosser mobilized to the site to oversee soil disturbing activity and perform air monitoring for scheduled soil disturbing activity. However work was called off due to extremely cold temperatures.

Working In Grid #: 3

Samples Collected (Since Last Report):
No samples collected

Air Monitoring (Since Last Report):
No air monitoring was performed.

Problems Encountered:
No problems encountered

Planned Activities for the Next Day/ Week:

Soil grading and sloping is planned for the next day.

									Example:	
Facility # Name/ Location Type of Waste Solid Or Liquid	Bayshore Soil Management Grid-1 Solid		Palmerton, PA Grid-2 & Grid-3 (0-8') Solid		Lyndhurst, NJ/ Prospect Park, NJ Grid-3 (8-12') Solid				####### Clean Earth Carteret, NJ petroleum soils Solid	
(Trucks, Cu.Yds. Or Gallons)	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds.
Today									5	120
Total	15	400	23	460					25	600

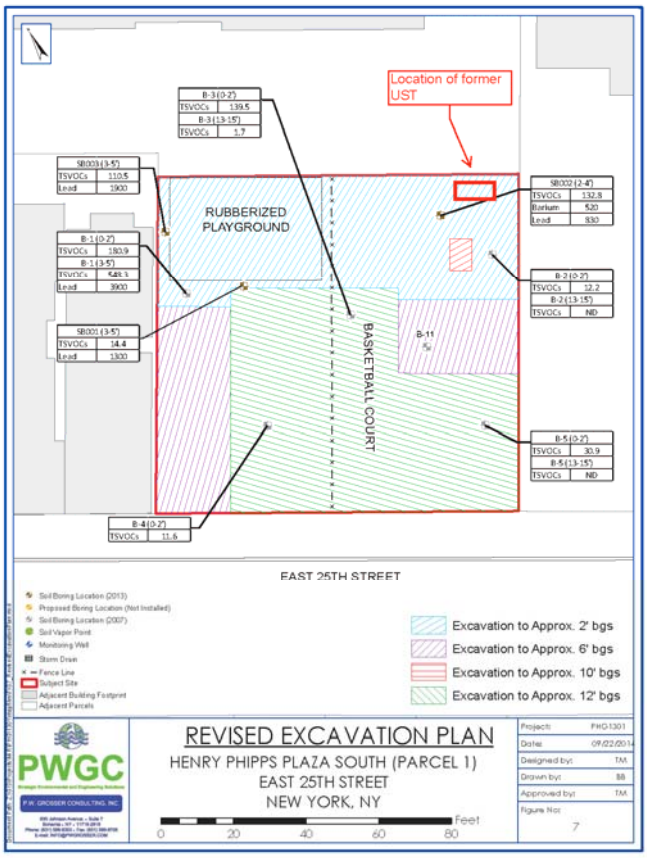


Photo Log

Photo 1 – View of excavation looking Northwest.	
Photo 2 – View of excavation.	
Photo 3 – View of site looking North.	

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☒	Bright Sun	☐
TEMP.	TO 32	☐	32-50	☒	50-70	☐	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Feb 23, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monodnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Demo of concrete stairway; erection of wooden stairway in its place
Resume demo of handball wall on western boundary
Soil movement

Working In Grid #: 1

Samples Collected (Since Last Report):
None

Air Monitoring (Since Last Report):
No limits Exceeded

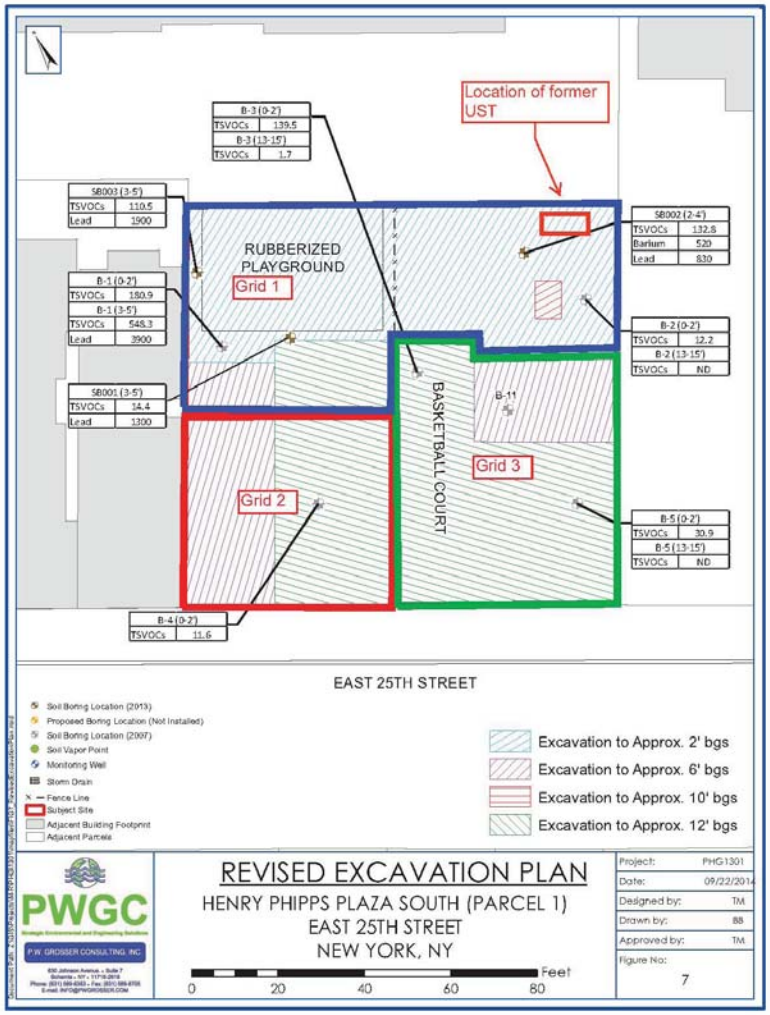
Problems Encountered:
None

Planned Activities for Next Week:
Continue soil movement tomorrow
Soil removal scheduled for Wednesday (tentative)

File Name: 2015-02-23_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	15	300	23	460						

Site Grid Map



File Name: 2015-02-23_15CVCP032M_Daily Report

Photo Log

Photo 1 – Stairway demo	
Photo 2 – Handball wall demo	
Photo 3 – Soil Excavation	

File Name: 2015-02-23_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☒	Bright Sun	☐
TEMP.	TO 32	☐	32-50	☒	50-70	☐	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Feb 24, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monodnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Erected railings along north and east walkways
Moving soil and rubble in Grid 3
Sorting rubble

Working In Grid #: 1, 2, 3

Samples Collected (Since Last Report):
None

Air Monitoring (Since Last Report):
No limits Exceeded

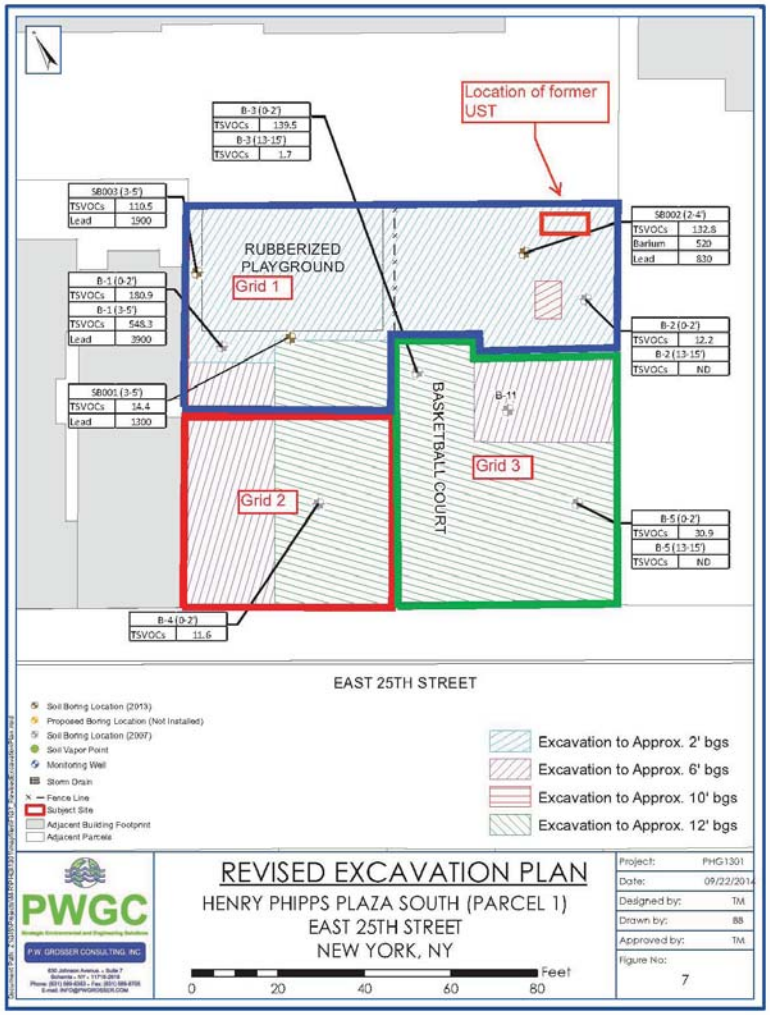
Problems Encountered:
None

Planned Activities for Next Week:
Continues soil removal and disposal

File Name: 2015-02-24_15CVCP032M_Daily Report

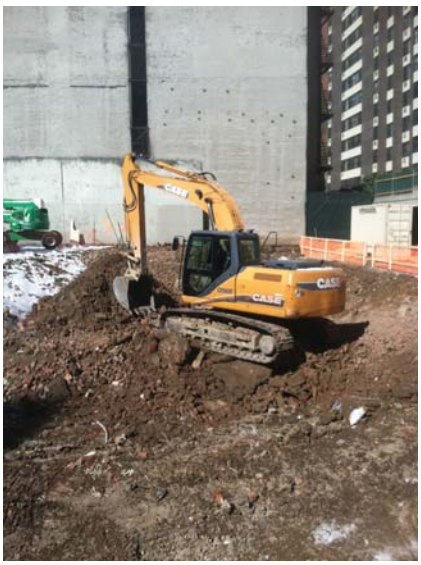
Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	15	300	23	460						

Site Grid Map



File Name: 2015-02-24_15CVCP032M_Daily Report

Photo Log

Photo 1 – Soil excavation	
Photo 2 – Soil excavation	
Photo 3 – Soil excavation	

File Name: 2015-02-24_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☒	Bright Sun	☐
TEMP.	TO 32	☐	32-50	☒	50-70	☐	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Feb 25, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monodnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Six loads of soil removed from Grid 1
Stockpiled additional soils from Grid 1
Continue demo of handball wall on western boundary

Working In Grid #: 1

Samples Collected (Since Last Report):
None

Air Monitoring (Since Last Report):
No limits Exceeded

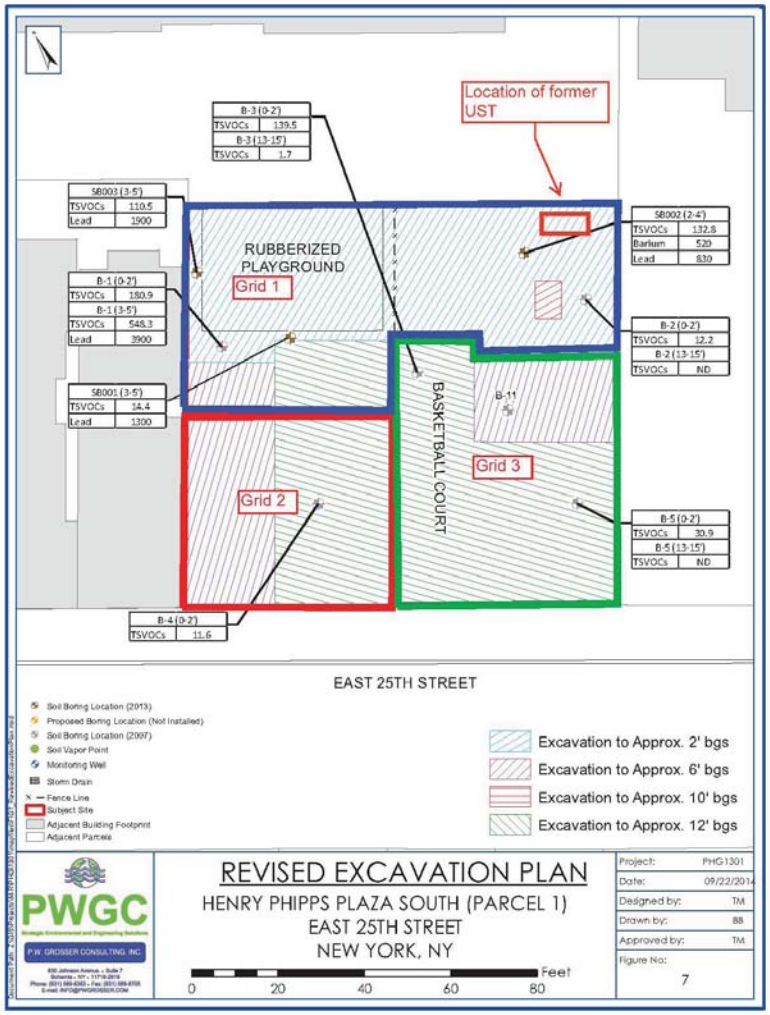
Problems Encountered:
None

Planned Activities for Next Week:
Continue soil removal and disposal
Continue demo of handball wall

File Name: 2015-02-25_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
	6	120								
Totals (trucks, cu.yds.)	21	420	23	460						

Site Grid Map



File Name: 2015-02-25_15CVCP032M_Daily Report

Photo Log

Photo 1 – Soil excavation	
Photo 2 – Soil loading	
Photo 3 – Wall demo	

File Name: 2015-02-25_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☒	Bright Sun	☐
TEMP.	TO 32	☒	32-50	☐	50-70	☐	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Feb 26, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monodnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Removed one load of soil from Grid 2
Soil movement in Grid 1 & Grid 3
Continue demo of handball wall on western boundary

Working In Grid #: 1, 2, 3

Samples Collected (Since Last Report):
None

Air Monitoring (Since Last Report):
No limits Exceeded

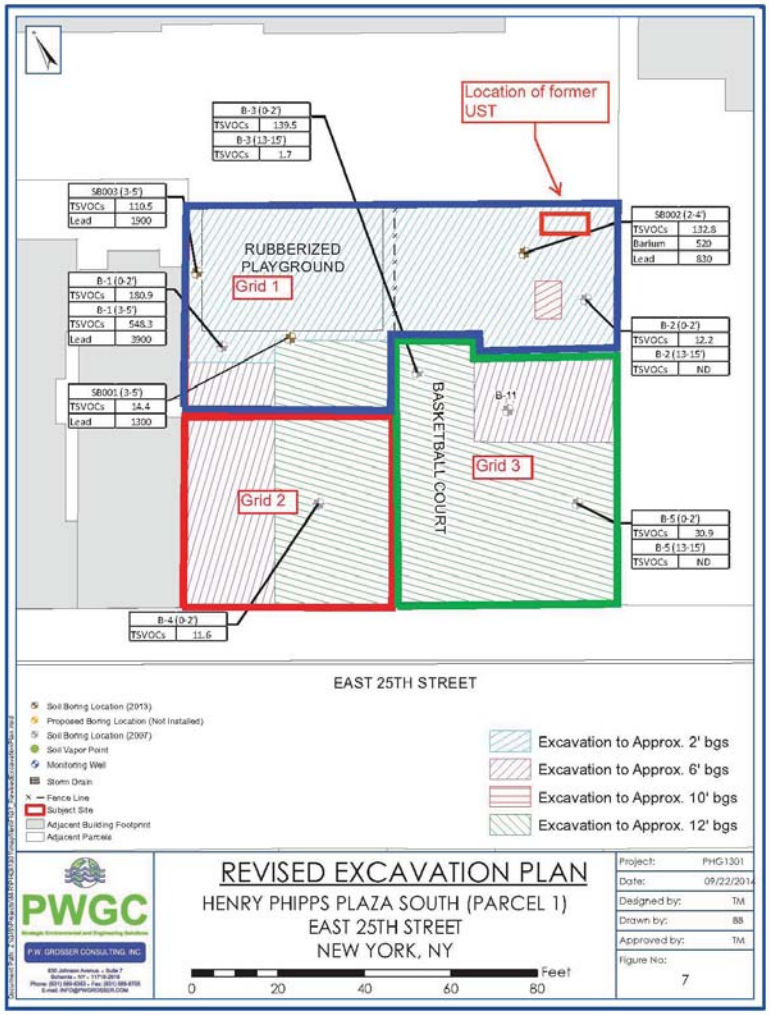
Problems Encountered:
None

Planned Activities for Next Week:
Continue soil removal and disposal
Continue demo of handball wall

File Name: 2015-02-26_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
			1	20						
Totals (trucks, cu.yds.)	21	420	24	480						

Site Grid Map



File Name: 2015-02-26_15CVCP032M_Daily Report

Photo Log

Photo 1 – Soil excavation	
Photo 2 – Soil loading	
Photo 3 – Wall demo	

File Name: 2015-02-26_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☒	Bright Sun	☐
TEMP.	TO 32	☒	32-50	☐	50-70	☐	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Feb 27, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monodnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Grading and forming for detention tank slab
Soil movement in Grid 1
Continue demo of handball wall on western boundary

Working In Grid #: 1, 2

Samples Collected (Since Last Report):
None

Air Monitoring (Since Last Report):
No limits Exceeded

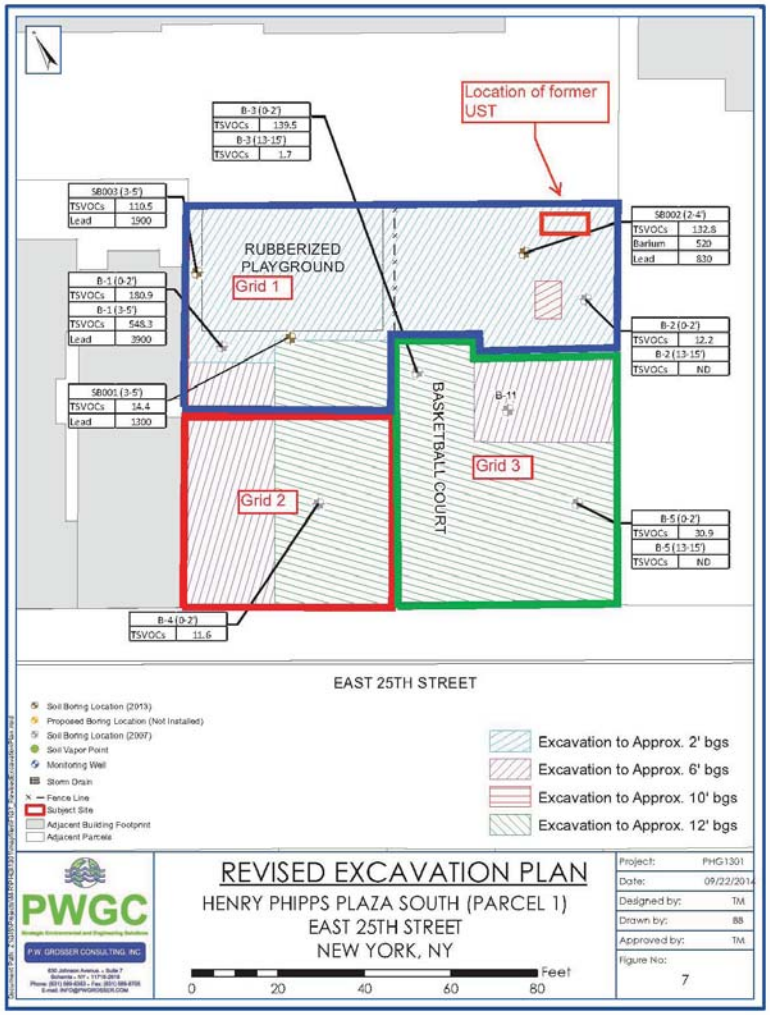
Problems Encountered:
None

Planned Activities for Next Week:
Continue soil removal and disposal
Continue demo of handball wall
Vapor barrier installation for detention tank slab
Pouring concrete for detention tank slab

File Name: 2015-02-27_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	21	420	24	480						

Site Grid Map



File Name: 2015-02-27_15CVCP032M_Daily Report

Photo Log

Photo 1 – Soil excavation for detention tank	
Photo 2 – Detention tank excavation	
Photo 3 – Wall demo	

File Name: 2015-02-27_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☒	Bright Sun	☐
TEMP.	TO 32	☒	32-50	☐	50-70	☐	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Mar 2, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monodnock Construction, Inc.	

Work Activities Performed (Since Last Report):

Continue demo of handball wall on western boundary
Soil movement in all grids
Install vapor barrier and rebar for detention tank slab
VB inspection performed. 6' by 8' are with 1.5' sidewalls. No holes or gaps identified. Preprufe 300R & Preprufe tape

Working In Grid #: 1, 2, 3

Samples Collected (Since Last Report):

None

Air Monitoring (Since Last Report):

No limits Exceeded

Problems Encountered:

None

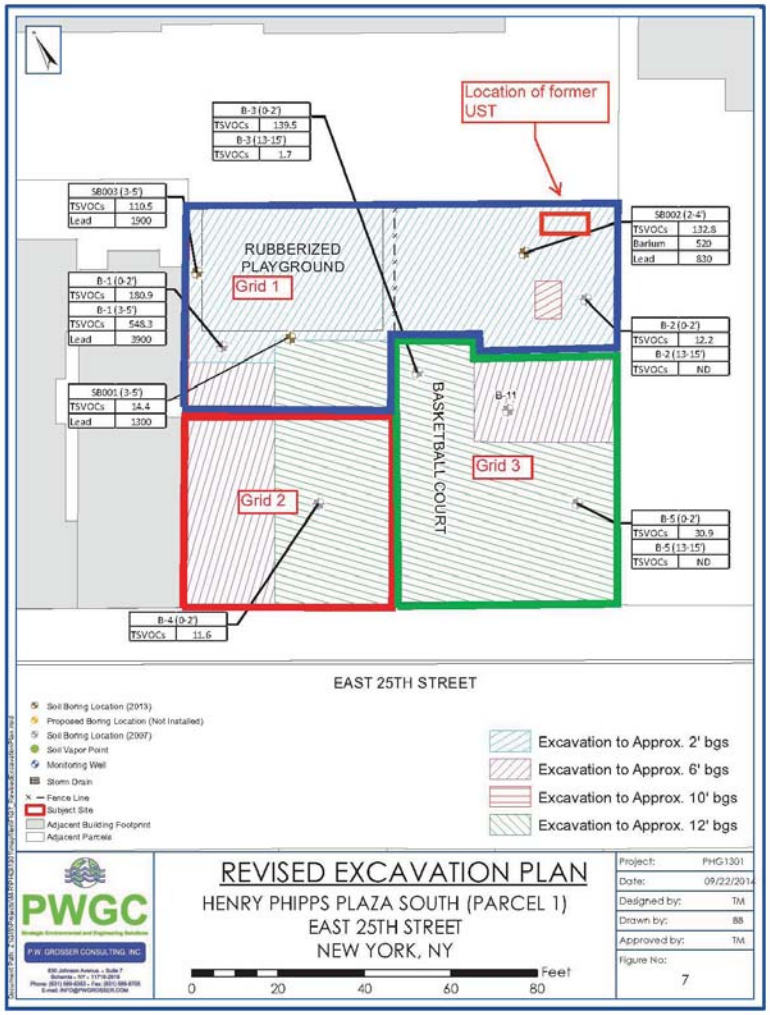
Planned Activities for Next Week:

Continue soil removal and disposal
Continue demo of handball wall
Pour concrete for detention tank slab

File Name: 2015-03-02_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	21	420	24	480						

Site Grid Map



File Name: 2015-03-02_15CVCP032M_Daily Report

Photo Log

Photo 1 – Soil excavation	
Photo 2 – Vapor barrier installed for detention tank slab	
Photo 3 – Wall demo	

File Name: 2015-03-02_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☐	Bright Sun	☒
TEMP.	TO 32	☒	32-50	☐	50-70	☐	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Mar 3, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monodnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Continue demo of handball wall on western boundary
Poured concrete for detention tank slab
Site grading

Working In Grid #: 1, 2, 3

Samples Collected (Since Last Report):
None

Air Monitoring (Since Last Report):
No limits Exceeded

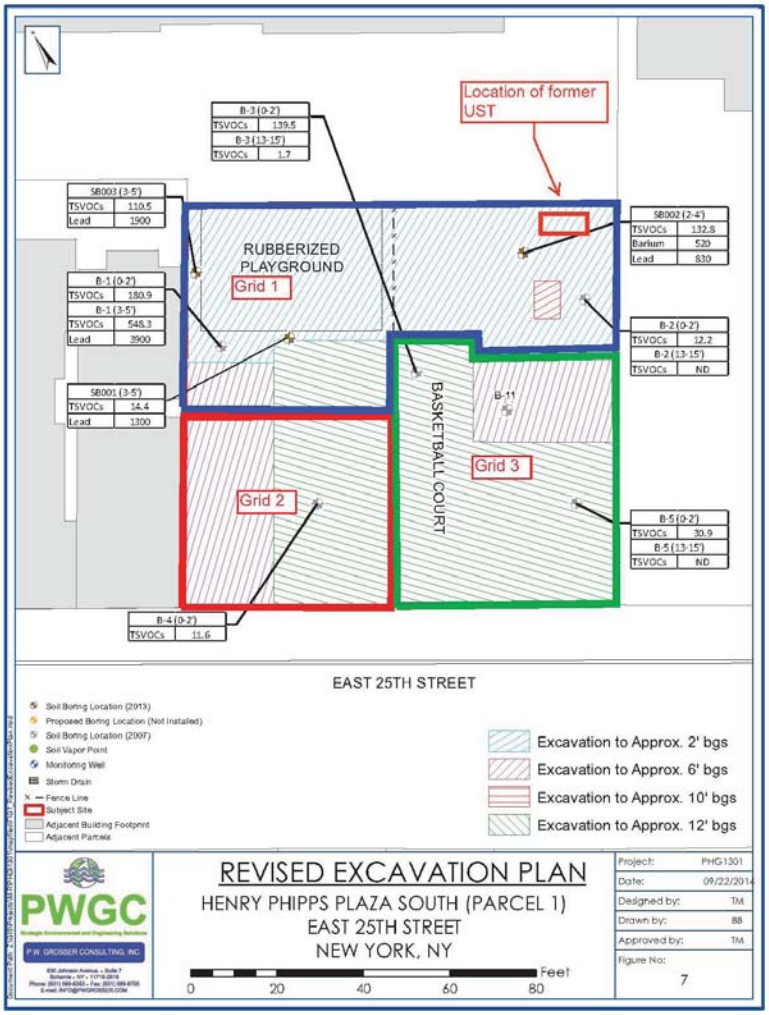
Problems Encountered:
None

Planned Activities for Next Week:
Continue soil removal and disposal
Continue demo of handball wall
Begin installing forms for foundation

File Name: 2015-03-03_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	21	420	24	480						

Site Grid Map



File Name: 2015-03-03_15CVCP032M_Daily Report

Photo Log

Photo 1 – Pouring concrete for detention tank slab	
Photo 2 – Pouring concrete for detention tank slab	
Photo 3 – Detention tank slab	

File Name: 2015-03-03_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☒	Partly Cloudy	☐	Bright Sun	☐
TEMP.	TO 32	☐	32-50	☒	50-70	☐	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Mar 4, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monodnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Continue demo of handball wall on western boundary
Site grading in Grid 1
Installing forms and rebar for detention tank.

Working In Grid #: 1, 2

Samples Collected (Since Last Report):
None

Air Monitoring (Since Last Report):
No limits Exceeded

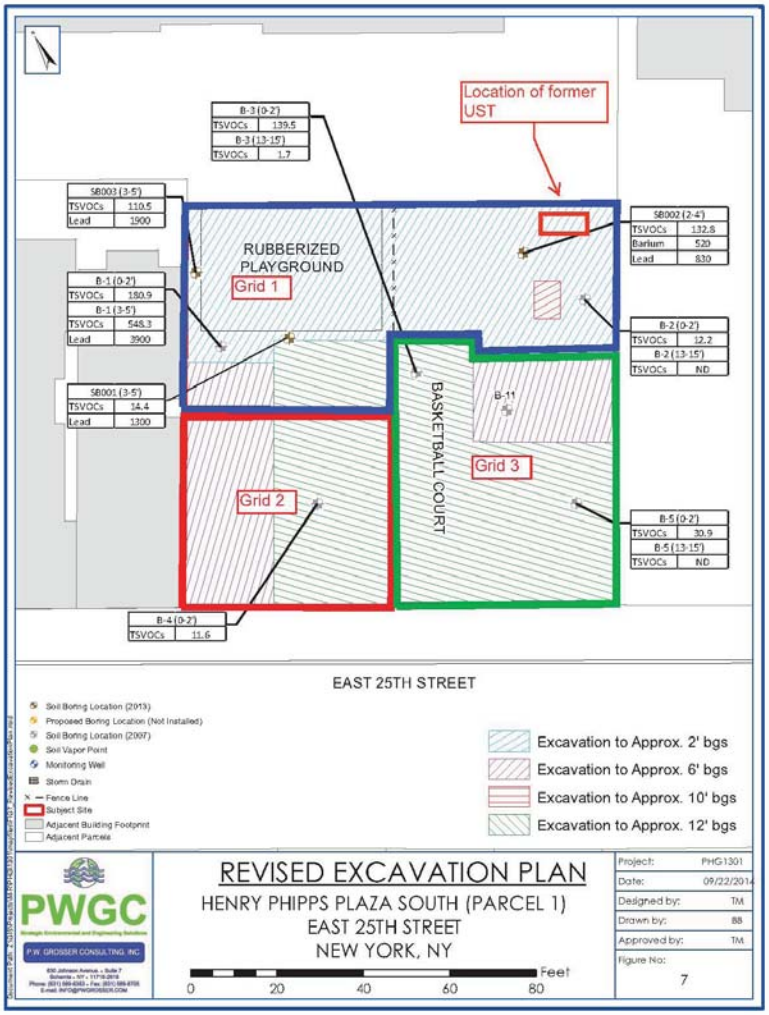
Problems Encountered:
None

Planned Activities for Next Week:
Continue soil removal and disposal
Continue demo of handball wall
Pour concrete for detention tank walls

File Name: 2015-03-04_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	21	420	24	480						

Site Grid Map



File Name: 2015-03-04_15CVCP032M_Daily Report

Photo Log

Photo 1 – Detention tank forms and rebar	
Photo 2 – Detention tank forms and rebar	
Photo 3 – Wall demo	

File Name: 2015-03-04_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☒	Rain	☐	Overcast	☐	Partly Cloudy	☐	Bright Sun	☐
TEMP.	TO 32	☒	32-50	☐	50-70	☐	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Mar 5, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monodnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Continue demo of handball wall on western boundary
Weather (snow) impeded other activities

Working In Grid #: 1, 3

Samples Collected (Since Last Report):
None

Air Monitoring (Since Last Report):
No limits Exceeded

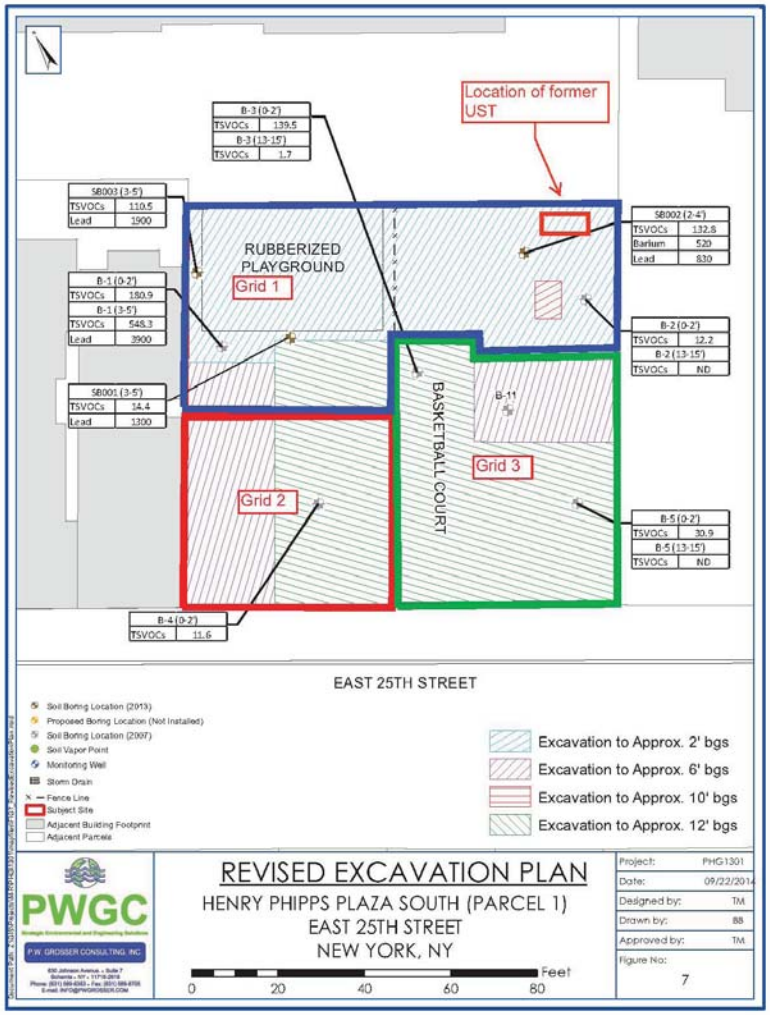
Problems Encountered:
None

Planned Activities for Next Week:
Continue soil removal and disposal
Continue demo of handball wall
Pour concrete for detention tank walls
Install shoring

File Name: 2015-03-05_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	21	420	24	480						

Site Grid Map



File Name: 2015-03-05_15CVCP032M_Daily Report

Photo Log

Photo 1 – Detention tank forms and rebar	
Photo 2 – Wall demo	
Photo 3 – Wall demo	

File Name: 2015-03-05_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☒	Bright Sun	☐
TEMP.	TO 32	☒	32-50	☐	50-70	☐	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Mar 6, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monodnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Continue demo of handball wall on western boundary
Assembling detention tank wall forms
Soil movement in Grids 1 & 3

Working In Grid #: 1, 3

Samples Collected (Since Last Report):
None

Air Monitoring (Since Last Report):
No limits Exceeded

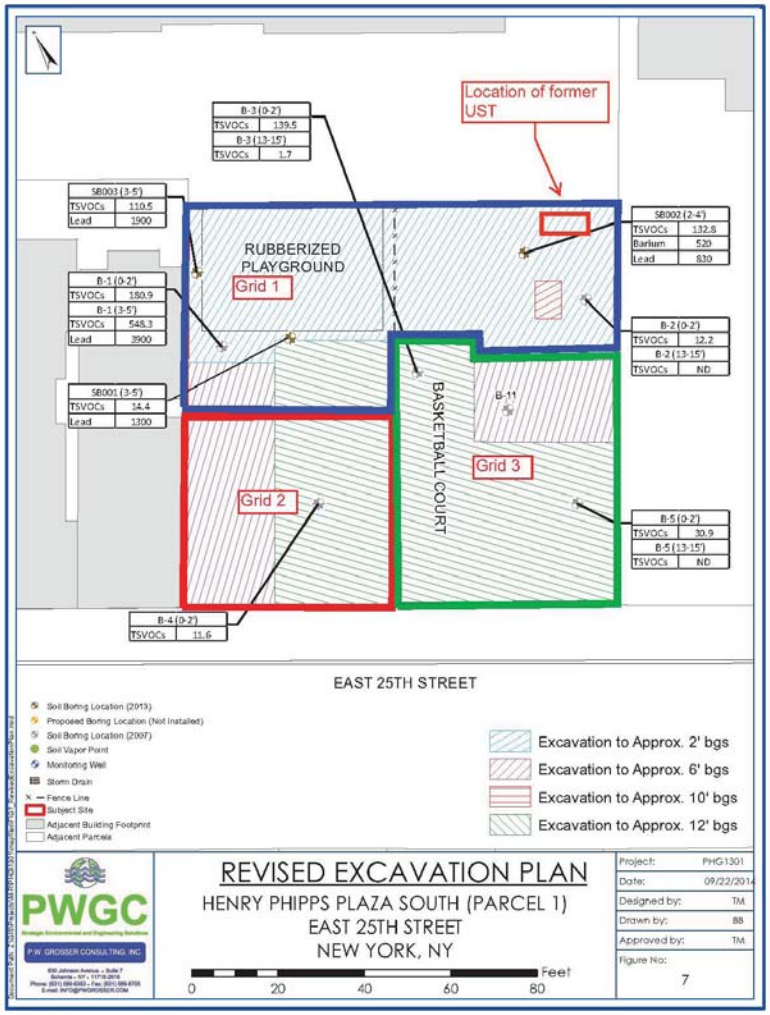
Problems Encountered:
None

Planned Activities for Next Week:
Continue soil removal and disposal
Continue demo of handball wall
Pour concrete for detention tank walls
Install shoring

File Name: 2015-03-06_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	21	420	24	480						

Site Grid Map



File Name: 2015-03-06_15CVCP032M_Daily Report

Photo Log

Photo 1 – Excavation in Grid 3	
Photo 2 – Detention tank forms & rebar	
Photo 3 – Wall demo	

File Name: 2015-03-06_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☒	Bright Sun	☐
TEMP.	TO 32	☐	32-50	☒	50-70	☐	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Mar 9, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monodnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Continue demo of handball wall on western boundary
Assembling detention tank wall forms
Pour concrete for detention tank
Soil grading in Grid 3

Working In Grid #: 1, 2, 3

Samples Collected (Since Last Report):
None

Air Monitoring (Since Last Report):
No limits Exceeded

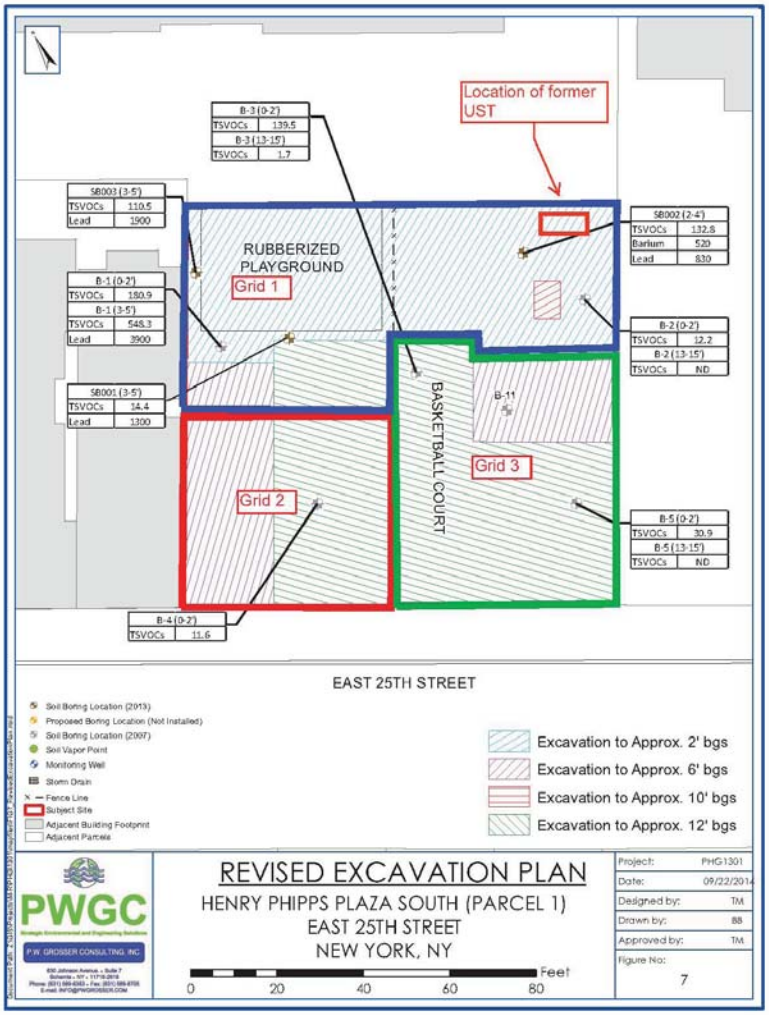
Problems Encountered:
None

Planned Activities for Next Week:
Continue soil removal and disposal
Continue demo of handball wall
Install shoring

File Name: 2015-03-09_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	21	420	24	480						

Site Grid Map



File Name: 2015-03-09_15CVCP032M_Daily Report

Photo Log

Photo 1 – Prepping detention tank for concrete	
Photo 2 –	
Photo 3 –	

File Name: 2015-03-09_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☐	Bright Sun	☒
TEMP.	TO 32	☐	32-50	☒	50-70	☐	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Mar 10, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monodnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Continue demo of handball wall on western boundary
Assembling detention tank top forms
Soil grading in Grid 3

Working In Grid #: 1, 2, 3

Samples Collected (Since Last Report):
None

Air Monitoring (Since Last Report):
No limits Exceeded

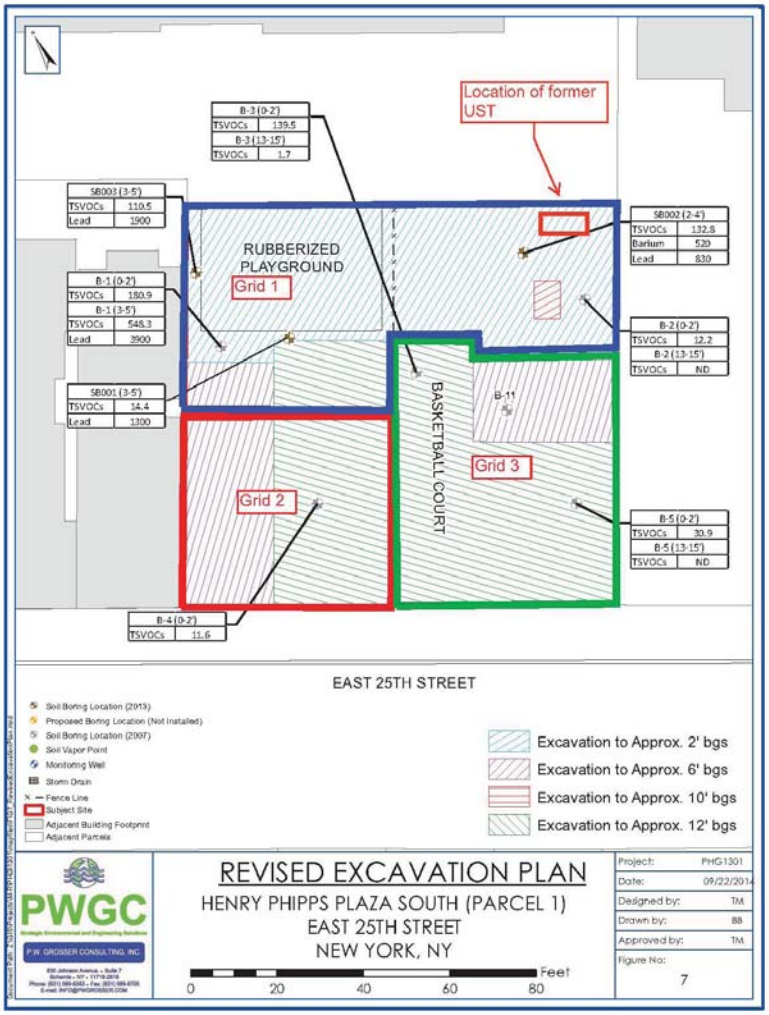
Problems Encountered:
None

Planned Activities for Next Week:
Continue soil removal and disposal
Continue demo of handball wall
Pour concrete for detention tank top
Install shoring

File Name: 2015-03-10_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	21	420	24	480						

Site Grid Map



File Name: 2015-03-10_15CVCP032M_Daily Report

Photo Log

Photo 1 – Prepping detention tank for concrete	
Photo 2 – Soil grading	
Photo 3 – Wall demo	

File Name: 2015-03-10_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☐	Bright Sun	☒
TEMP.	TO 32	☐	32-50	☒	50-70	☐	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Mar 12, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Continue demolition and removal of handball wall on western boundary
Stripping of forms from detention tank walls and roof
Installation of HLM 5000 trowel-on waterproofing on detention tank walls
Soil shifting and demolition of asphalt in Grids 1 and 3 on the eastern boundary

Working In Grid #: 1, 2, 3

Samples Collected (Since Last Report):
None

Air Monitoring (Since Last Report):
No Limits Exceeded

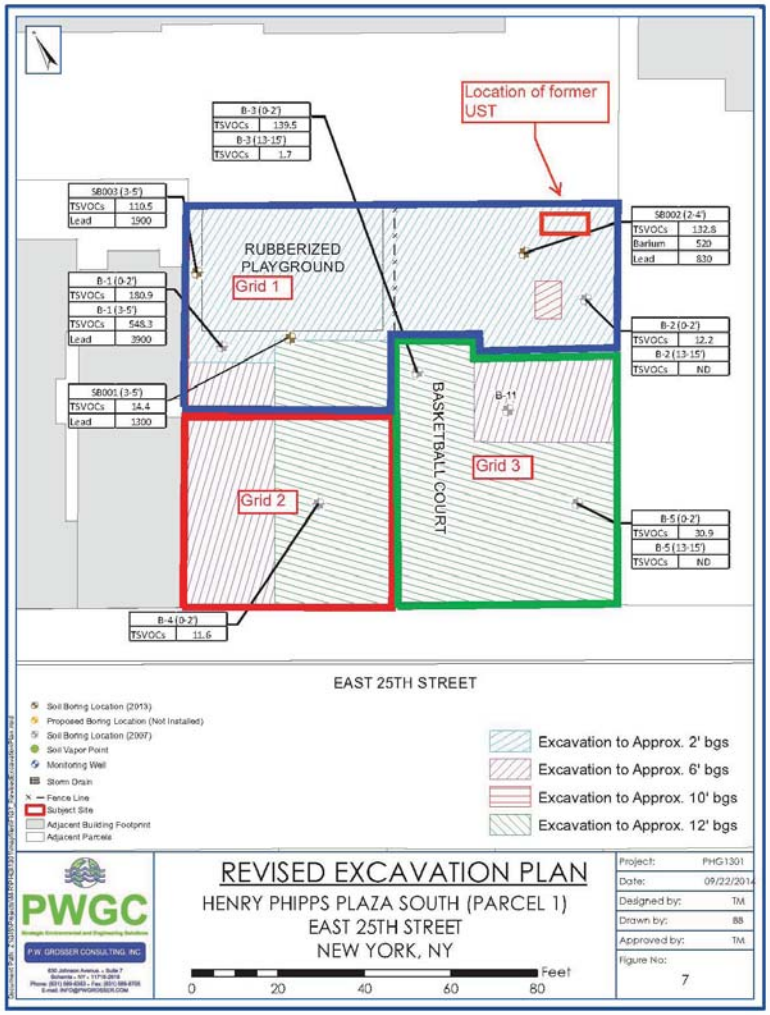
Problems Encountered:
None

Planned Activities for Next Week:
Continue soil removal and disposal
Continue demolition and removal of handball wall
Install piles for shoring

File Name: 2015-03-12_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	21	420	24	480						

Site Grid Map



File Name: 2015-03-12_15CVCP032M_Daily Report

Photo Log

Photo 1 – Demolition of handball wall	
Photo 2 – Soil shifting and asphalt demolition	
Photo 3 – Waterproofing installation on detention tank walls	

File Name: 2015-03-12_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☐	Bright Sun	☒
TEMP.	TO 32	☐	32-50	☒	50-70	☐	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Mar 13, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Continue demolition and removal of handball wall on western boundary

Working In Grid #: 1, 2

Samples Collected (Since Last Report):
None

Air Monitoring (Since Last Report):
No Limits Exceeded

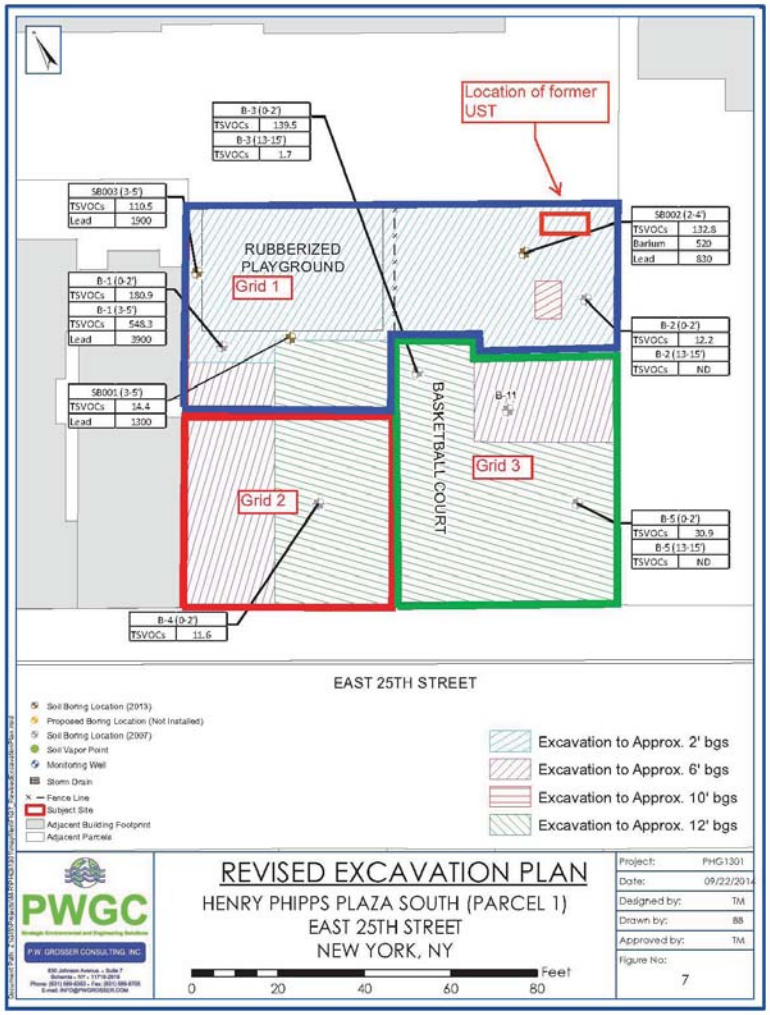
Problems Encountered:
None

Planned Activities for Next Week:
Continue soil removal and disposal
Continue demolition and removal of handball wall
Install piles for shoring

File Name: 2015-03-13_15CVCP032M_Daily Report

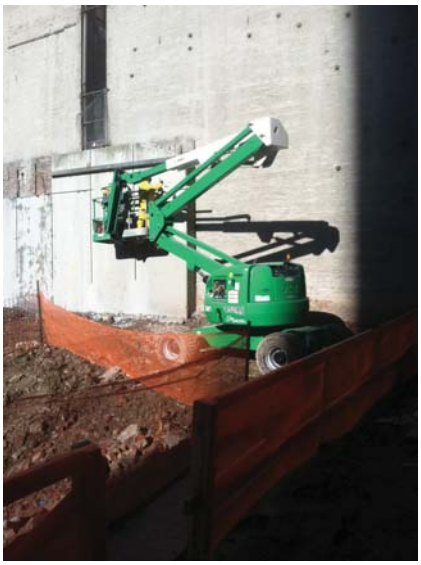
Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	21	420	24	480						

Site Grid Map



File Name: 2015-03-13_15CVCP032M_Daily Report

Photo Log

Photo 1 – Demolition of handball wall	
Photo 2 – Preparation to cut second row of concrete blocks	
Photo 3 – Example of removed concrete blocks from handball wall	

File Name: 2015-03-13_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☐	Bright Sun	☒
TEMP.	TO 32	☐	32-50	☒	50-70	☐	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Mar 16, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):

Continue demolition and removal of handball wall on western boundary
Soil shifting and rubble removal in Grid 1
Contractor began backfilling around detention tank with RCA. RCA supplied from Tilcon New York, Inc. in Bronx, NY. Facility is on NYSDEC list of registered C& D Processing facilities. Use of material was approved verbally by NYCOER.

Working In Grid #: 1, 2

Samples Collected (Since Last Report):

None

Air Monitoring (Since Last Report):

No Limits Exceeded

Problems Encountered:

None

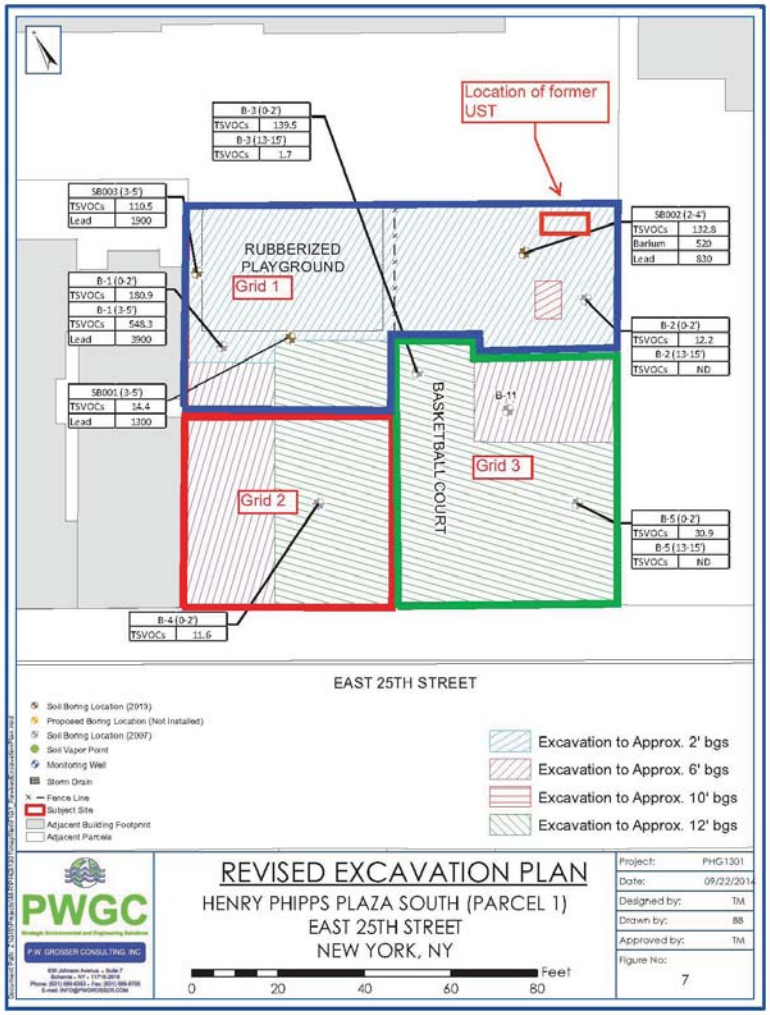
Planned Activities for Next Week:

Continue soil removal and disposal
Continue demolition and removal of handball wall
Install piles for shoring
Backfilling around detention tank

File Name: 2015-03-16_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	21	420	24	480						

Site Grid Map



File Name: 2015-03-16_15CVCP032M_Daily Report

Photo Log

Photo 1 – Demolition of handball wall (cutting)	
Photo 2 – Demolition of handball wall (chipping)	
Photo 3 – Soil shifting in Grid 1	

File Name: 2015-03-16_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☒	Overcast	☐	Partly Cloudy	☒	Bright Sun	☐
TEMP.	TO 32	☐	32-50	☒	50-70	☐	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Mar 17, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Continue demolition and removal of handball wall on western boundary

Working In Grid #: 1, 2

Samples Collected (Since Last Report):
None

Air Monitoring (Since Last Report):
No Limits Exceeded

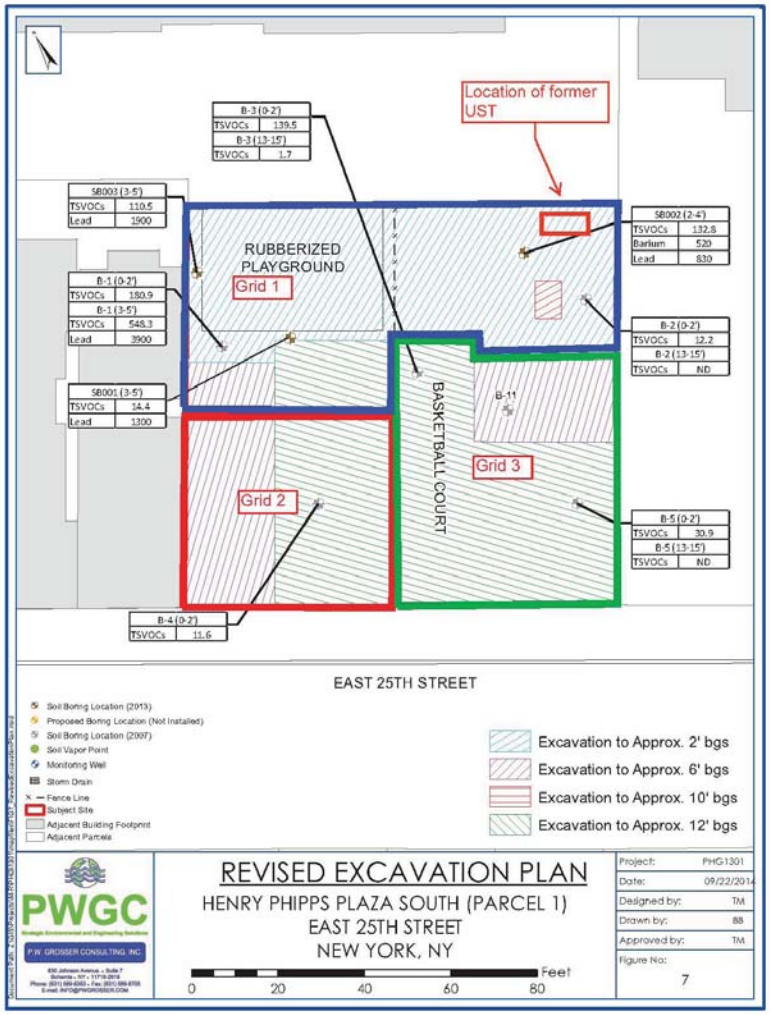
Problems Encountered:
None

Planned Activities for Next Week:
Continue soil removal and disposal
Continue demolition and removal of handball wall
Install piles for shoring
Backfilling around detention tank

File Name: 2015-03-17_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	21	420	24	480						

Site Grid Map



File Name: 2015-03-17_15CVCP032M_Daily Report

Photo Log

Photo 1 – Demolition of handball wall (chipping)	
Photo 2 – Demolition of handball wall (cutting)	
Photo 3 – Utilizing excavator to remove blocks of the concrete wall	

File Name: 2015-03-17_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☐	Bright Sun	☒
TEMP.	TO 32	☒	32-50	☐	50-70	☐	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Mar 18, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Continue demolition and removal of handball wall on western boundary
Shifting soil and debris

Working In Grid #: 1, 2, 3

Samples Collected (Since Last Report):
None

Air Monitoring (Since Last Report):
No Limits Exceeded

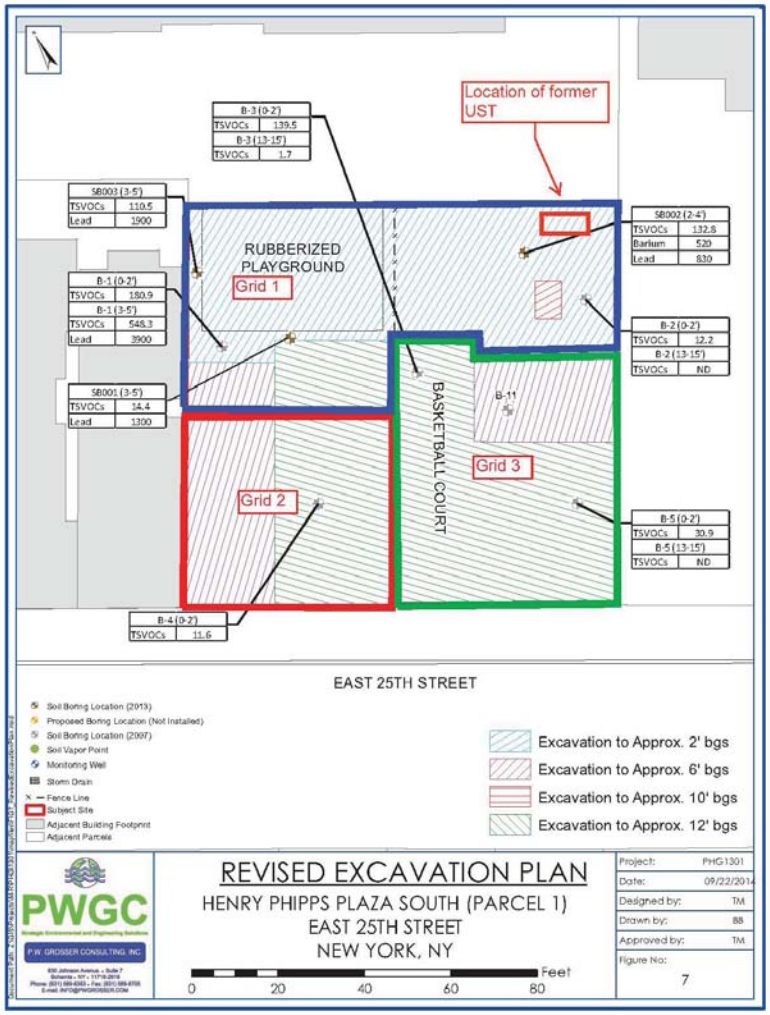
Problems Encountered:
None

Planned Activities for Next Week:
Continue soil removal and disposal
Continue demolition and removal of handball wall
Install piles for shoring
Backfilling around detention tank

File Name: 2015-03-18_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	21	420	24	480						

Site Grid Map



File Name: 2015-03-18_15CVCP032M_Daily Report

Photo Log

Photo 1 – Demolition of handball wall (chipping)	
Photo 2 – Demolition of handball wall (cutting)	
Photo 3 – Shifting soil and debris	

File Name: 2015-03-18_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☐	Bright Sun	☒
TEMP.	TO 32	☒	32-50	☐	50-70	☐	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Mar 19, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Continue demolition and removal of handball wall on western boundary
Shifting soil and debris in grids 1 and 2
Piling equipment dropped off

Working In Grid #: 1, 2, 3

Samples Collected (Since Last Report):
None

Air Monitoring (Since Last Report):
No Limits Exceeded

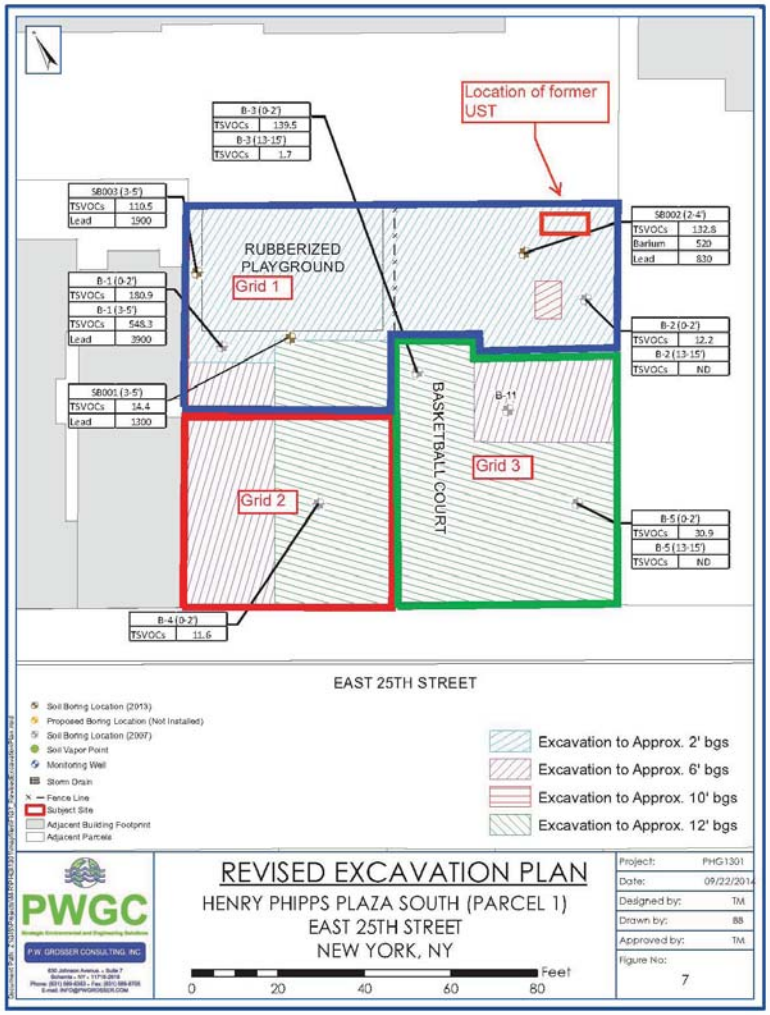
Problems Encountered:
None

Planned Activities for Next Week:
Continue soil removal and disposal
Continue demolition and removal of handball wall
Install piles for shoring
Backfilling around detention tank

File Name: 2015-03-19_15CVCP032M_Daily Report

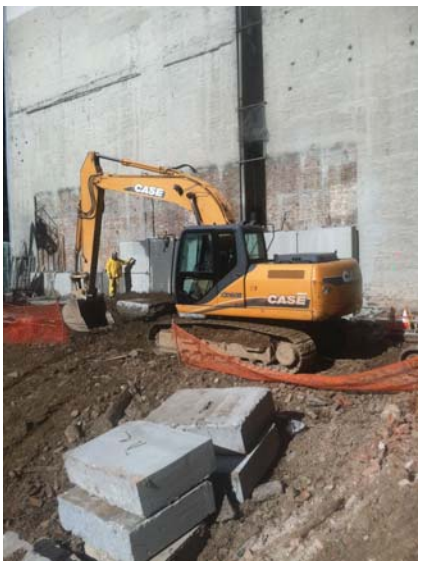
Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	21	420	24	480						

Site Grid Map



File Name: 2015-03-19_15CVCP032M_Daily Report

Photo Log

Photo 1 – Demolition of handball wall (chipping)	
Photo 2 – Demolition of handball wall (cutting)	
Photo 3 – Shifting soil and debris	

File Name: 2015-03-19_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☒	Rain	☐	Overcast	☐	Partly Cloudy	☐	Bright Sun	☐
TEMP.	TO 32	☐	32-50	☒	50-70	☐	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Mar 20, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Continue demolition and removal of handball wall on western boundary
Shifting soil and debris in grids 1 and 2
Preparations made to instal pilings Monday
RCA delivered for backfilling around detention tank
Backfilling around detention tank

Working In Grid #: 1, 2, 3

Samples Collected (Since Last Report):
None

Air Monitoring (Since Last Report):
No Limits Exceeded

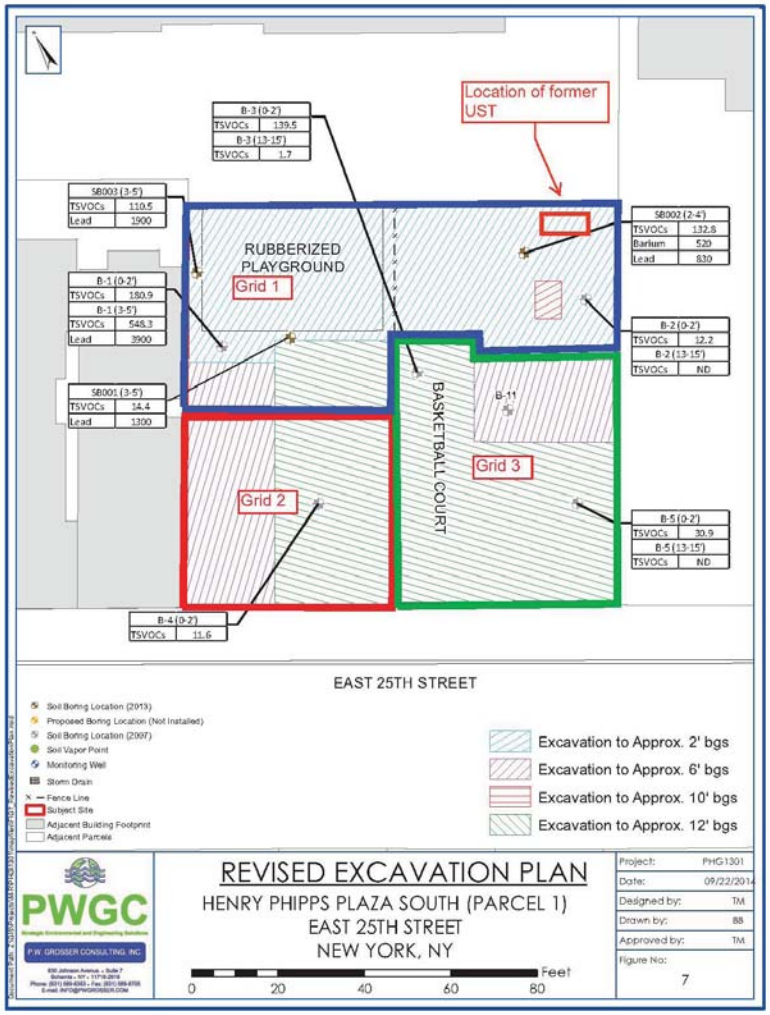
Problems Encountered:
None

Planned Activities for Next Week:
Continue soil removal and disposal
Continue demolition and removal of handball wall
Install piles for shoring

File Name: 2015-03-20_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	21	420	24	480						

Site Grid Map



File Name: 2015-03-20_15CVCP032M_Daily Report

Photo Log

Photo 1 – Demolition of handball wall	
Photo 2 – Preparing piling equipment	
Photo 3 – Shifting soil and debris	

File Name: 2015-03-20_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☐	Bright Sun	☒
TEMP.	TO 32	☒	32-50	☐	50-70	☐	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Mar 23, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Continue demolition and removal of handball wall on western boundary
Shifting soil and debris in grids 1 and 2
Installation of pilings for shoring

Working In Grid #: 1, 2, 3

Samples Collected (Since Last Report):
None

Air Monitoring (Since Last Report):
No Limits Exceeded

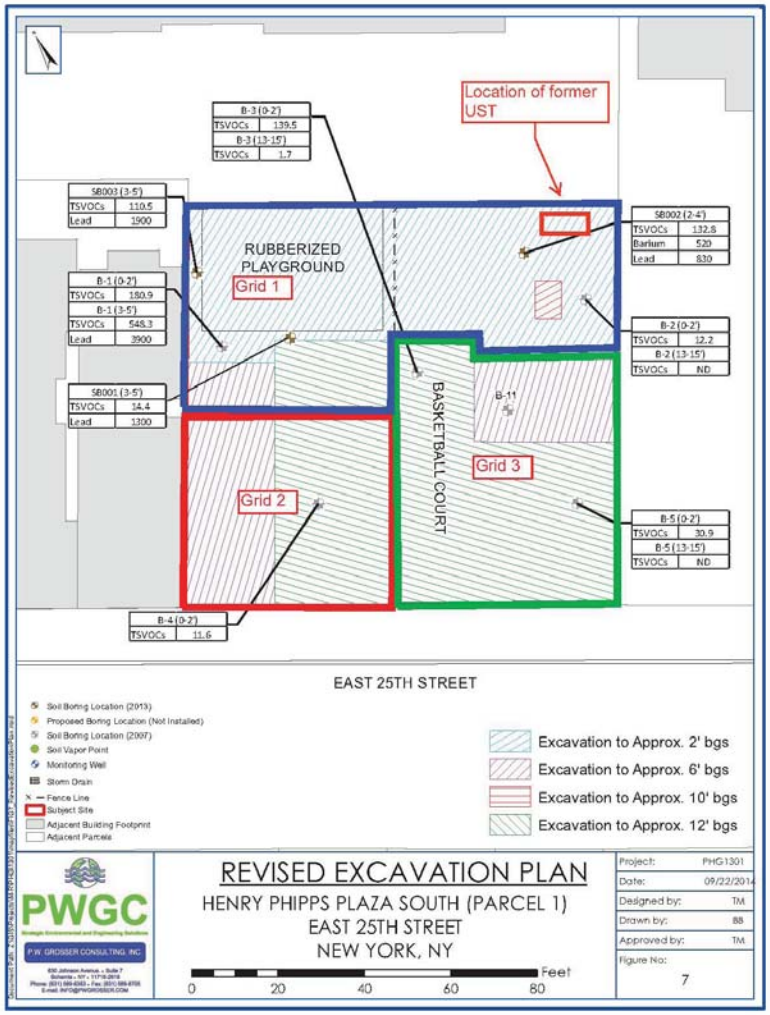
Problems Encountered:
None

Planned Activities for Next Week:
Continue soil removal and disposal
Continue installing piles for shoring
Removal of concrete handball wall blocks from site

File Name: 2015-03-23_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	21	420	24	480						

Site Grid Map



File Name: 2015-03-23_15CVCP032M_Daily Report

Photo Log

Photo 1 – Demolition of handball wall	
Photo 2 – Installing pilings	
Photo 3 – Shifting soil and debris	

File Name: 2015-03-23_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☐	Bright Sun	☒
TEMP.	TO 32	☒	32-50	☐	50-70	☐	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Mar 24, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Concrete chipping
Soil shifting and removal (2 loads Grid 2 (0'-8') and 4 loads Grid 1 (0'-8'))
Installation of pilings for shoring

Working In Grid #: 1, 2, 3

Samples Collected (Since Last Report):
None

Air Monitoring (Since Last Report):
No Limits Exceeded

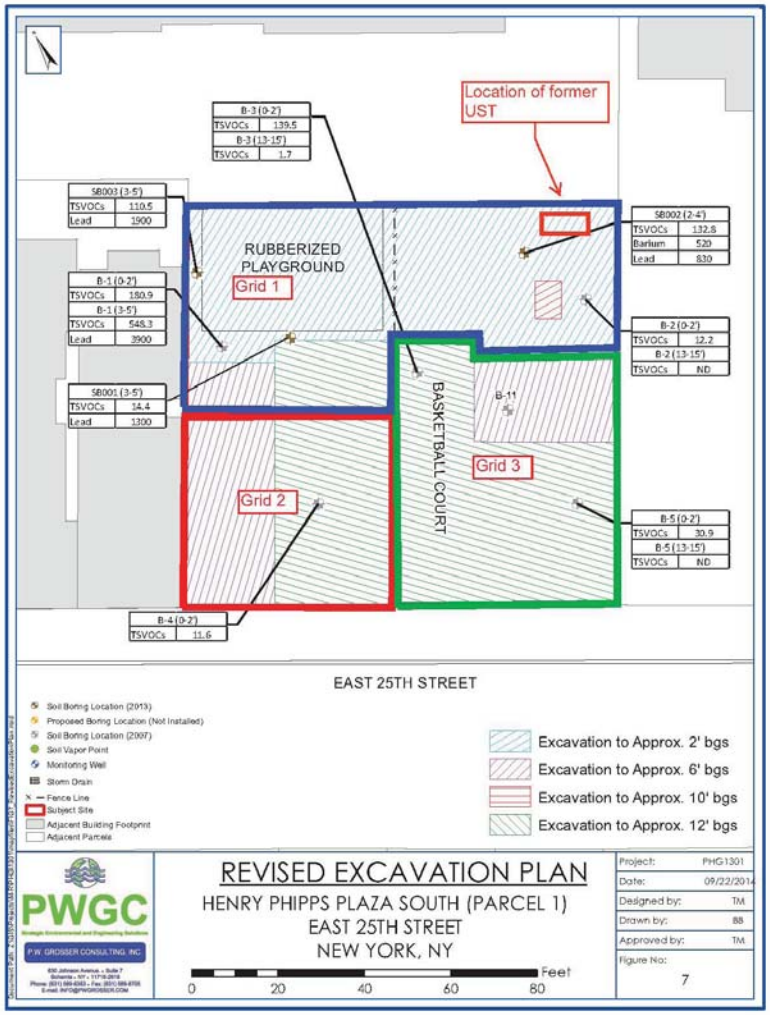
Problems Encountered:
None

Planned Activities for Next Week:
Continue soil removal and disposal
Continue installing piles for shoring

File Name: 2015-03-24_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
	4	80	2	40						
Totals (trucks, cu.yds.)	25	500	26	520						

Site Grid Map



File Name: 2015-03-24_15CVCP032M_Daily Report

Photo Log

Photo 1 – Concrete chipping	
Photo 2 – Installing pilings	
Photo 3 – Loading truck for soil removal	

File Name: 2015-03-24_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☐	Bright Sun	☒
TEMP.	TO 32	☐	32-50	☒	50-70	☐	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Mar 25, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Concrete chipping
Installation of pilings for shoring

Working In Grid #: 1, 2, 3

Samples Collected (Since Last Report):
None

Air Monitoring (Since Last Report):
No Limits Exceeded

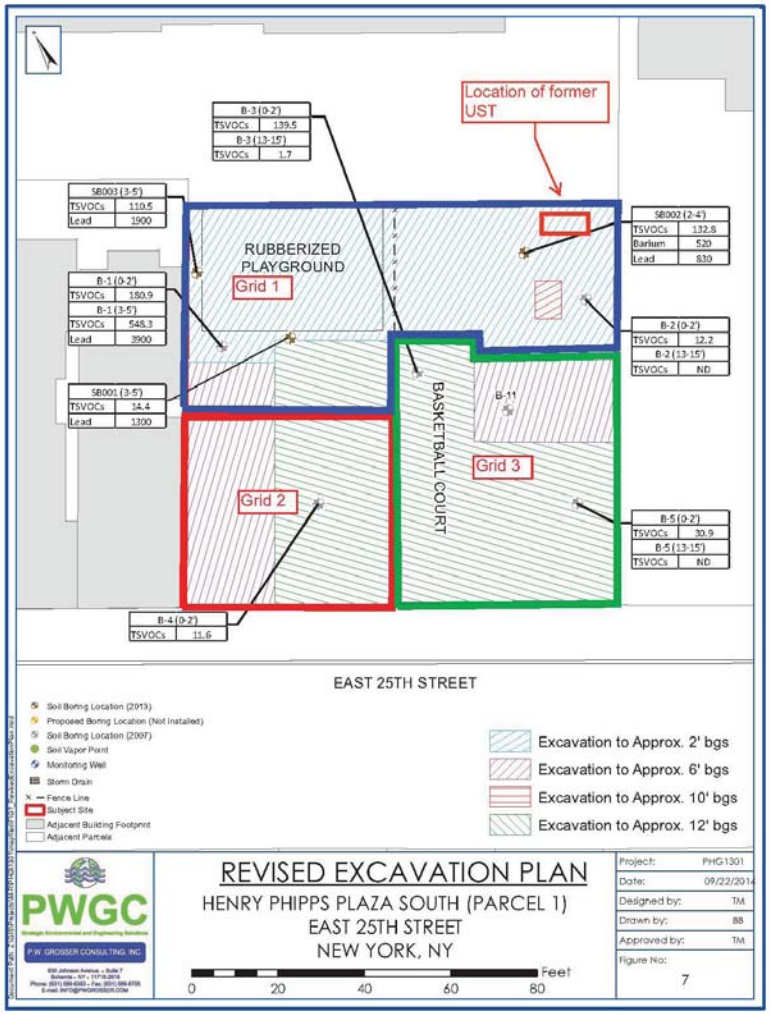
Problems Encountered:
None

Planned Activities for Next Week:
Continue soil removal and disposal
Continue installing piles for shoring

File Name: 2015-03-25_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	25	500	26	520						

Site Grid Map



File Name: 2015-03-25_15CVCP032M_Daily Report

Photo Log

Photo 1 – Concrete chipping	
Photo 2 – Installing pilings	
Photo 3 – Soil shifting	

File Name: 2015-03-25_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☒	Overcast	☒	Partly Cloudy	☐	Bright Sun	☐
TEMP.	TO 32	☐	32-50	☒	50-70	☐	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Mar 26, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Concrete chipping
Installation of pilings for shoring
Soil removal (2 loads grid 1, 2 loads grid 2)

Working In Grid #: 1, 2, 3

Samples Collected (Since Last Report):
None

Air Monitoring (Since Last Report):
No Limits Exceeded

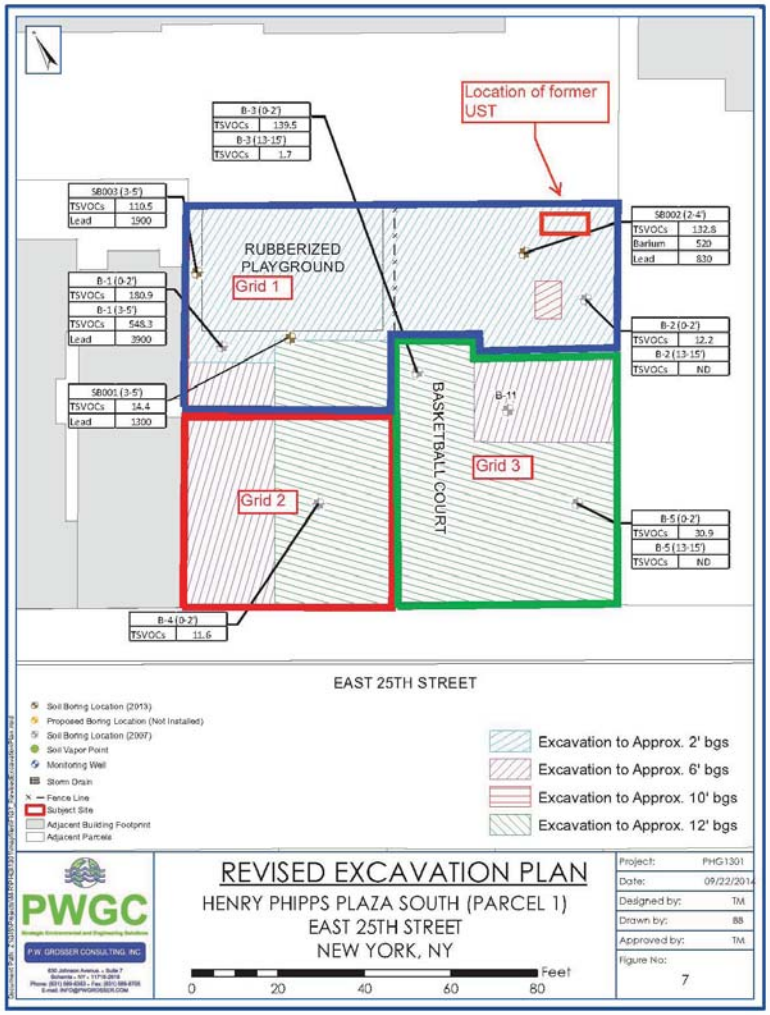
Problems Encountered:
None

Planned Activities for Next Week:
Continue soil removal and disposal
Continue installing piles for shoring

File Name: 2015-03-26_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
	2	40	2	40						
Totals (trucks, cu.yds.)	27	540	28	560						

Site Grid Map



File Name: 2015-03-26_15CVCP032M_Daily Report

Photo Log

Photo 1 – Concrete chipping	
Photo 2 – Installing pilings	
Photo 3 – Soil Removal	

File Name: 2015-03-26_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☒	Overcast	☒	Partly Cloudy	☐	Bright Sun	☐
TEMP.	TO 32	☐	32-50	☒	50-70	☐	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Mar 27, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Applying concrete to base of neighboring building to the west
Installation of pilings for shoring
Soil and rubble shifting

Working In Grid #: 1, 2, 3

Samples Collected (Since Last Report):
None

Air Monitoring (Since Last Report):
No Limits Exceeded

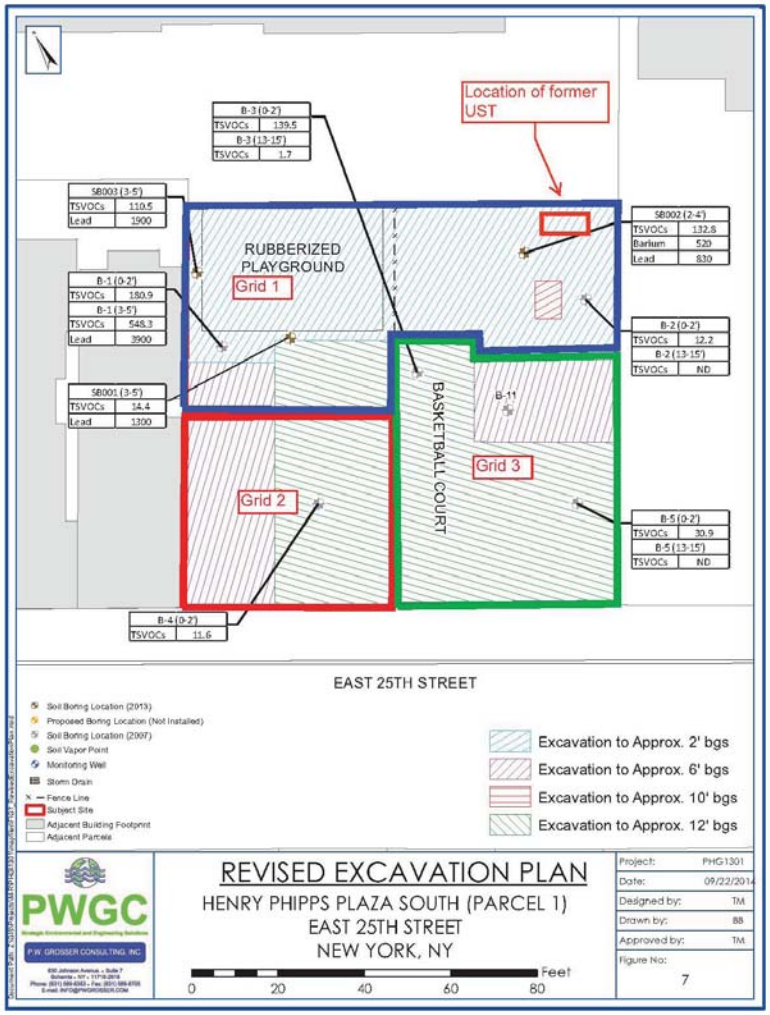
Problems Encountered:
None

Planned Activities for Next Week:
Continue soil removal and disposal
Continue installing piles for shoring

File Name: 2015-03-27_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	27	540	28	560						

Site Grid Map



File Name: 2015-03-27_15CVCP032M_Daily Report

Photo Log

Photo 1 – Applying concrete to neighboring building base	
Photo 2 – Installing pilings	
Photo 3 – Soil and rubble shifting	

File Name: 2015-03-27_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☒	Bright Sun	☐
TEMP.	TO 32	☐	32-50	☒	50-70	☐	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Mar 30, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Soil removal (2 loads grid 2, 3 loads grid 1)
Installation of pilings for shoring
Soil shifting in all grids
Backfilling behind lagging between pilings

Working In Grid #: 1, 2, 3

Samples Collected (Since Last Report):
None

Air Monitoring (Since Last Report):
No Limits Exceeded

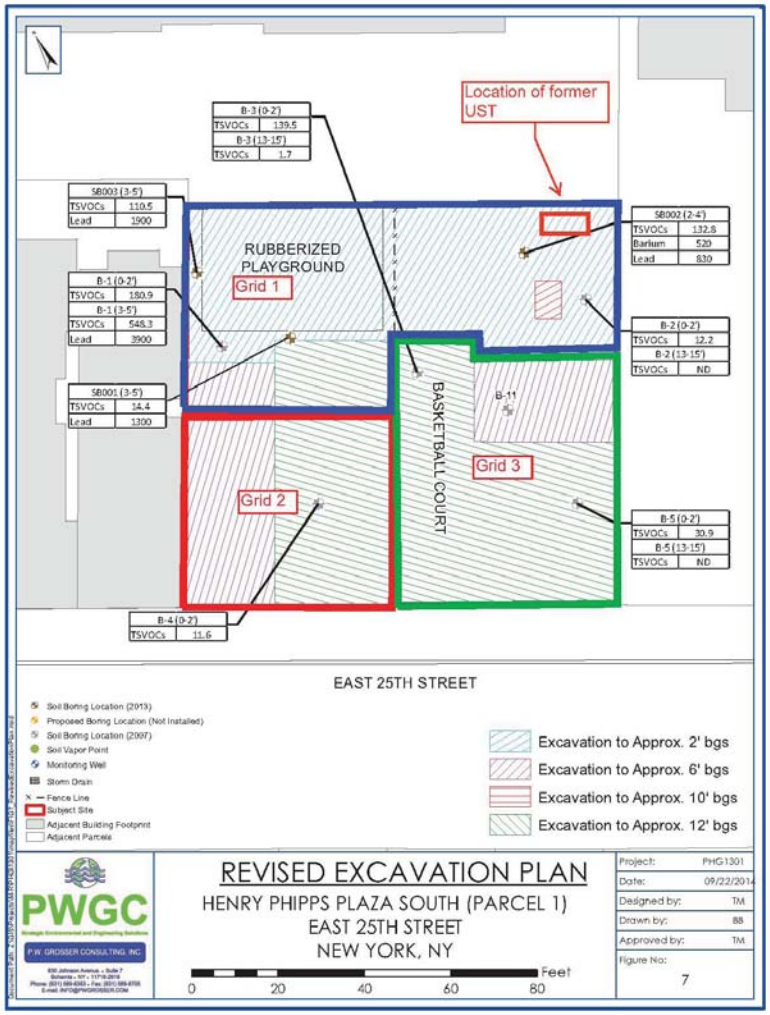
Problems Encountered:
None

Planned Activities for Next Week:
Continue soil removal and disposal
Continue installing piles for shoring

File Name: 2015-03-30_15CVCP032M_Daily Report

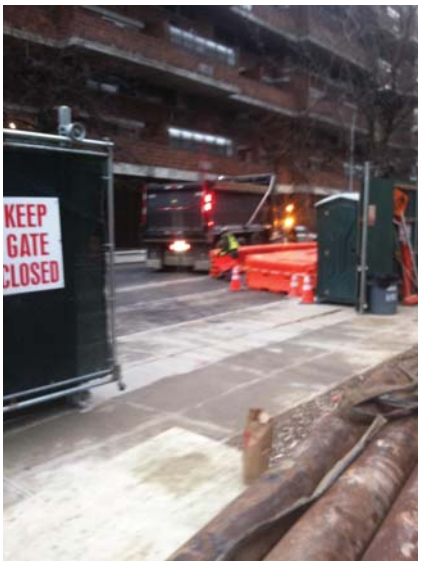
Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
	3	60	2	40						
Totals (trucks, cu.yds.)	30	600	30	600						

Site Grid Map



File Name: 2015-03-30_15CVCP032M_Daily Report

Photo Log

Photo 1 – Soil removal	
Photo 2 – Installing pilings	
Photo 3 – Soil shifting	

File Name: 2015-03-30_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Michael Gaul

WEATHER	Snow	☐	Rain	☒	Overcast	☒	Partly Cloudy	☐	Bright Sun	☐
TEMP.	TO 32	☐	32-50	☒	50-70	☐	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Mar 31, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Installation of more pilings for shoring in grid 2
Soil shifting in all grids
Stockpiling soil for removal in grid 3
Adding lagging between pilings in grids 1 and 2

Working In Grid #: 1, 2, 3

Samples Collected (Since Last Report):
None

Air Monitoring (Since Last Report):
No Limits Exceeded

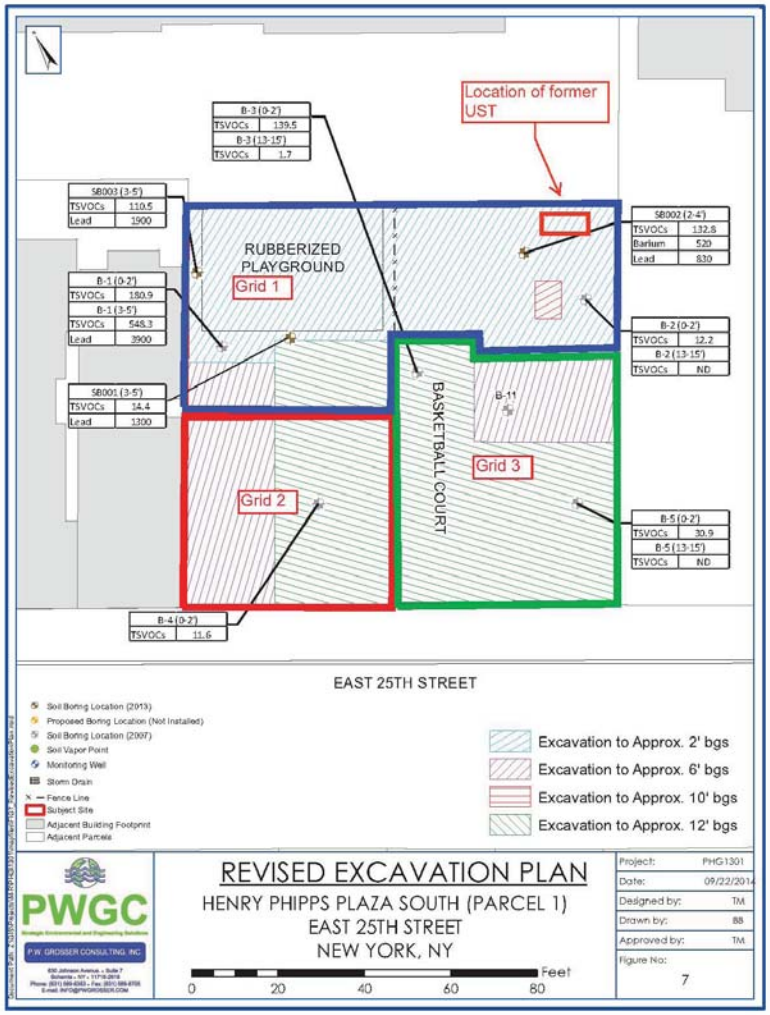
Problems Encountered:
None

Planned Activities for Next Week:
Continue soil removal and disposal (12 truckloads of grid 3 scheduled for removal tomorrow)
Continue installing lagging between pilings
Installation of foundation pilings

File Name: 2015-03-31_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	30	600	30	600						

Site Grid Map



File Name: 2015-03-31_15CVCP032M_Daily Report

Photo Log

Photo 1 – Soil shifting in grid 3	
Photo 2 – Installing pilings	
Photo 3 – Adding lagging between pilings	

File Name: 2015-03-31_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Michael Gaul

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☒	Bright Sun	☐
TEMP.	TO 32	☐	32-50	☒	50-70	☐	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Apr 1, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Installation of more pilings for shoring in grid 2
Soil shifting in grid 3
Stockpiling soil for removal in grid 3
Adding lagging between pilings in grid 3

Working In Grid #: 1, 2, 3

Samples Collected (Since Last Report):
None

Air Monitoring (Since Last Report):
No Limits Exceeded

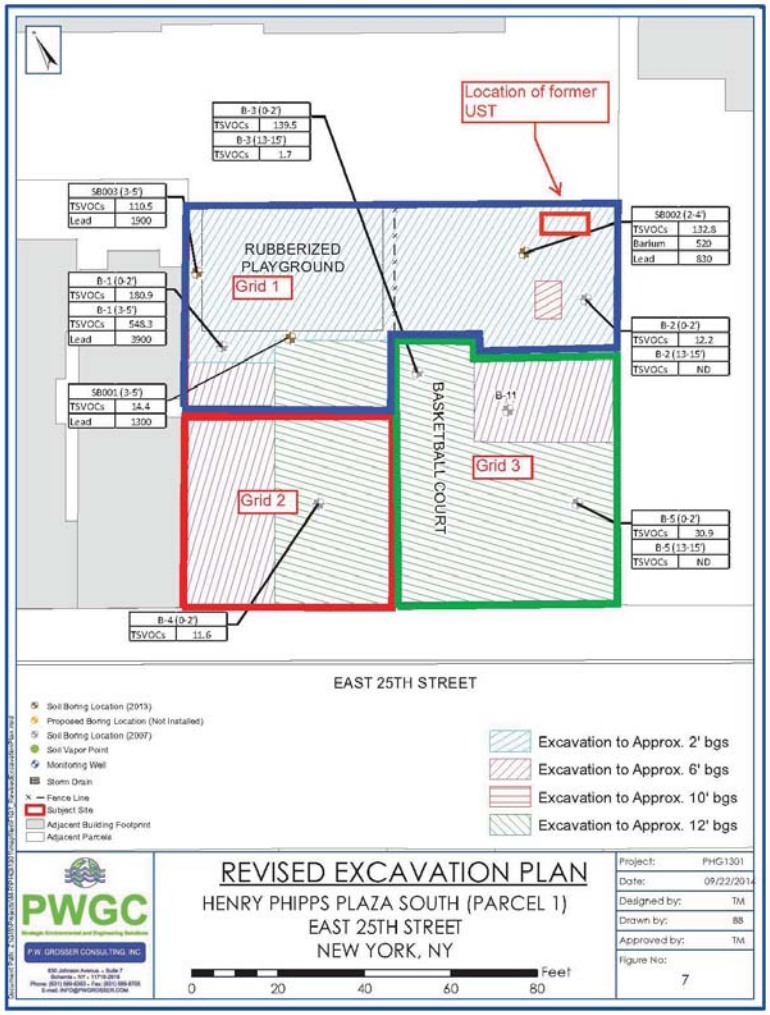
Problems Encountered:
None

Planned Activities for Next Week:
Continue soil removal and disposal
Continue installing lagging between pilings
Installation of foundation pilings

File Name: 2015-04-01_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	30	600	30	600						

Site Grid Map



File Name: 2015-04-01_15CVCP032M_Daily Report

Photo Log

Photo 1 – Soil shifting in grid 3	
Photo 2 – Installing pilings	
Photo 3 – Adding lagging between pilings	

File Name: 2015-04-01_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Michael Gaul

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☐	Bright Sun	☒
TEMP.	TO 32	☐	32-50	☒	50-70	☒	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Apr 2, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Installation of more pilings for shoring in grid 2
Soil shifting in grid 3
Delivery of materials on site (steel i-beams)

Working In Grid #: 1, 2, 3

Samples Collected (Since Last Report):
None

Air Monitoring (Since Last Report):
No Limits Exceeded

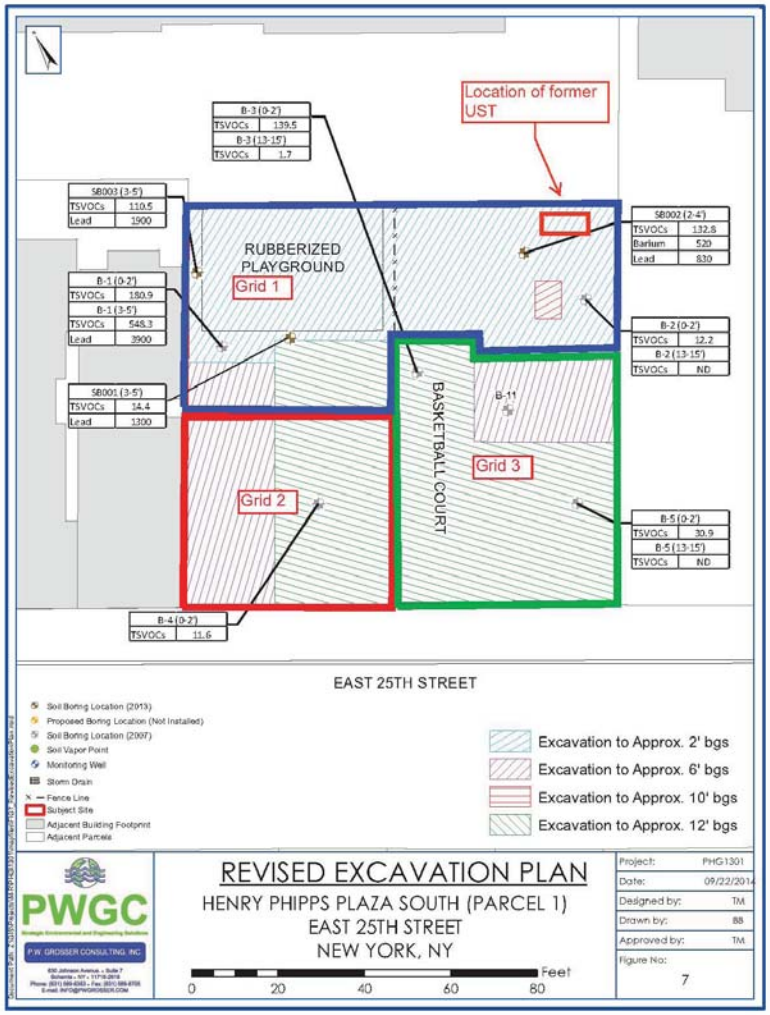
Problems Encountered:
None

Planned Activities for Next Week:
Continue soil removal and disposal
Continue installing lagging between pilings
Installation of foundation pilings

File Name: 2015-04-02_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	30	600	30	600						

Site Grid Map



File Name: 2015-04-02_15CVCP032M_Daily Report

Photo Log

Photo 1 – Soil shifting in grid 3	
Photo 2 – Installing pilings	
Photo 3 – Materials delivery (i-beams)	

File Name: 2015-04-02_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Michael Gaul

WEATHER	Snow	☐	Rain	☒	Overcast	☒	Partly Cloudy	☐	Bright Sun	☐
TEMP.	TO 32	☐	32-50	☐	50-70	☒	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Apr 3, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):

Drill rig relocated to site center at border of grids 2 and 3 in preparation to drill foundation piles Monday
Soil shifting in grid 3
Excavation performed to locate drain line in grid 2

Working In Grid #: 1, 2, 3

Samples Collected (Since Last Report):

None

Air Monitoring (Since Last Report):

No Limits Exceeded

Problems Encountered:

None

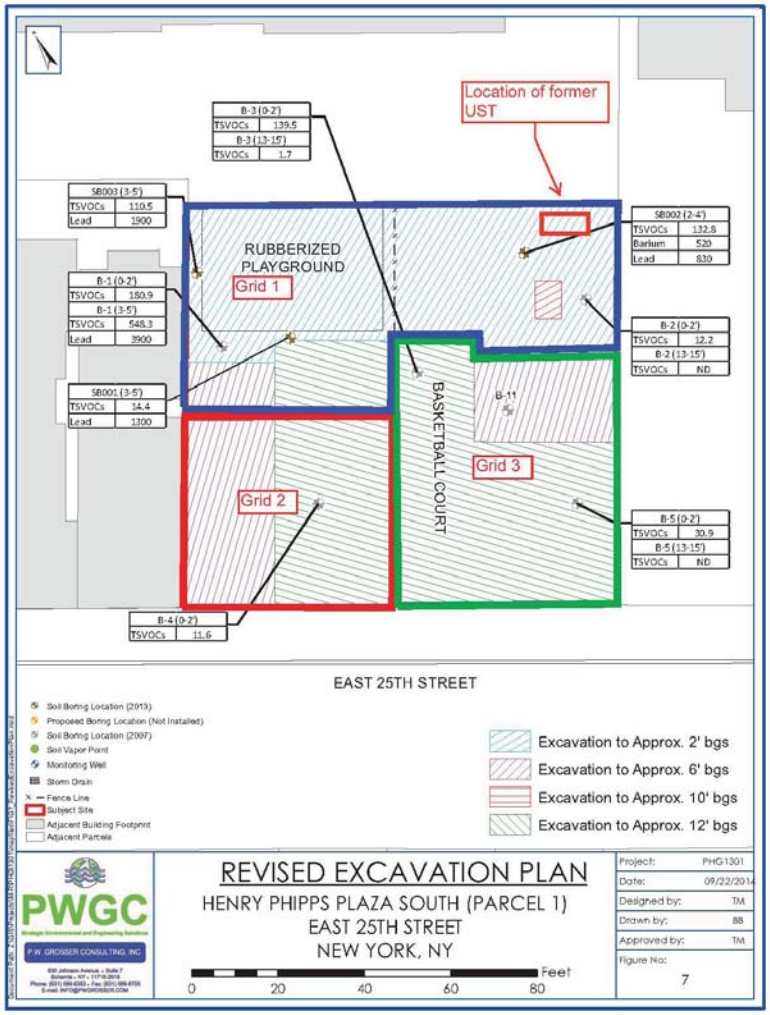
Planned Activities for Next Week:

Continue soil removal and disposal (12 truckloads of grid 3 to be removed Monday)
Continue installing lagging between pilings
Installation of foundation pilings Monday

File Name: 2015-04-03_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	30	600	30	600						

Site Grid Map



File Name: 2015-04-03_15CVCP032M_Daily Report

Photo Log

Photo 1 – Soil shifting in grid 3	
Photo 2 – Relocated drill rig	
Photo 3 – Excavation to locate drain line	

File Name: 2015-04-03_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☐	Bright Sun	☒
TEMP.	TO 32	☐	32-50	☒	50-70	☒	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Apr 6, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Drilling foundation piles in center of site
Soil removal (12 truckloads of grid 3)
Adding steel i beams to lagging between shoring piles

Working In Grid #: 1, 2, 3

Samples Collected (Since Last Report):
None

Air Monitoring (Since Last Report):
No Limits Exceeded

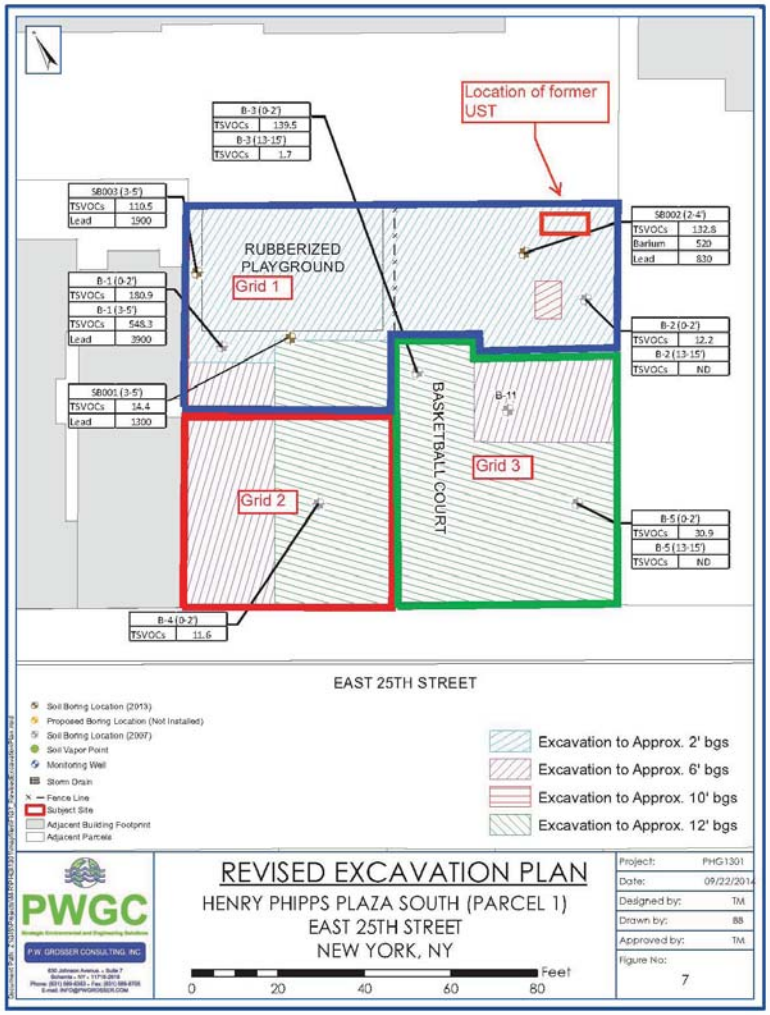
Problems Encountered:
None

Planned Activities for Next Week:
Continue soil removal and disposal (6 truckloads of grid 3 and 6 truckloads of grid 2 to be removed tomorrow)
Continue installation of foundation pilings

File Name: 2015-03-09_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
			12	240						
Totals (trucks, cu.yds.)	30	600	42	840						

Site Grid Map



File Name: 2015-03-09_15CVCP032M_Daily Report

Photo Log

Photo 1 – Soil removal	
Photo 2 – Installing foundation piles	
Photo 3 – Adding steel i beams to lagging	

File Name: 2015-03-09_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☒	Partly Cloudy	☐	Bright Sun	☐
TEMP.	TO 32	☐	32-50	☐	50-70	☒	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Apr 7, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Drilling foundation piles in center of site
Soil removal (8 truckloads of grid 3, 4 truckloads of grid 2)
Adding to lagging

Working In Grid #: 1, 2, 3

Samples Collected (Since Last Report):
None

Air Monitoring (Since Last Report):
No Limits Exceeded

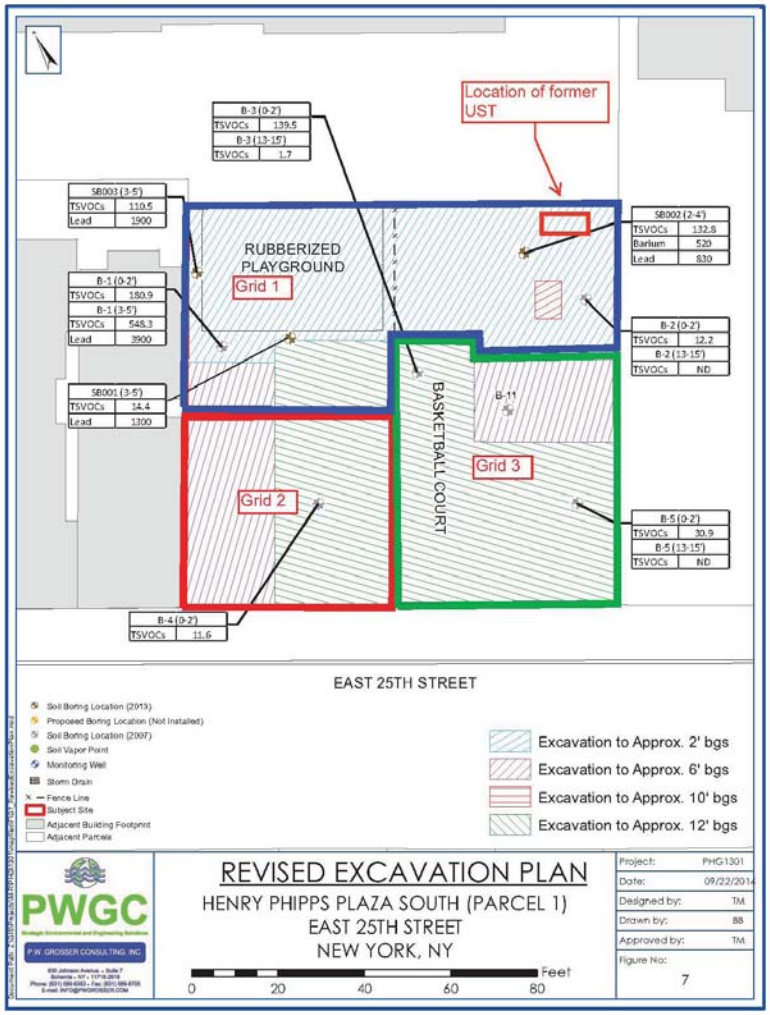
Problems Encountered:
None

Planned Activities for Next Week:
Continue soil removal and disposal (4 truckloads of grid 2 to be removed tomorrow)
Continue installation of foundation pilings

File Name: 2015-04-07_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
			12	240						
Totals (trucks, cu.yds.)	30	600	54	1,080						

Site Grid Map



File Name: 2015-04-07_15CVCP032M_Daily Report

Photo Log

Photo 1 – Soil removal	
Photo 2 – Installing foundation piles	
Photo 3 – Adding to lagging	

File Name: 2015-04-07_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☒	Bright Sun	☐
TEMP.	TO 32	☐	32-50	☒	50-70	☐	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Apr 8, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Drilling foundation piles in center of site
Soil removal (1 truckload of grid 3, 6 truckloads of grid 2)
Soil and rubble shifting in grid 2

Working In Grid #: 1, 2, 3

Samples Collected (Since Last Report):
None

Air Monitoring (Since Last Report):
No Limits Exceeded

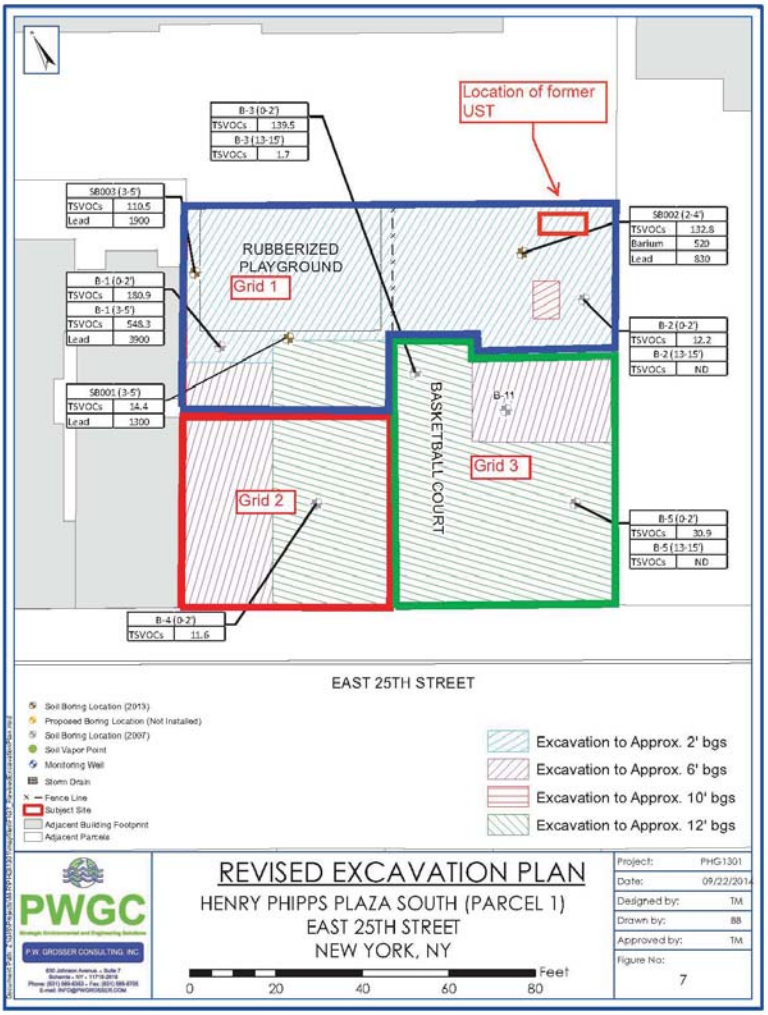
Problems Encountered:
None

Planned Activities for Next Week:
Continue soil removal and disposal
Continue installation of foundation pilings

File Name: 2015-04-08_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
			7	140						
Totals (trucks, cu.yds.)	30	600	61	1,220						

Site Grid Map



File Name: 2015-04-08_15CVCP032M_Daily Report

Photo Log

Photo 1 – Soil removal	
Photo 2 – Installing foundation piles	
Photo 3 – Soil and rubble shifting (Grid 2)	

File Name: 2015-04-08_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☒	Partly Cloudy	☐	Bright Sun	☐
TEMP.	TO 32	☐	32-50	☒	50-70	☐	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Apr 9, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Drilling and installing foundation piles in grids 1 and 3
Soil shifting in grid 2
Materials delivery (steel rebar)

Working In Grid #: 1, 2, 3

Samples Collected (Since Last Report):
None

Air Monitoring (Since Last Report):
No Limits Exceeded

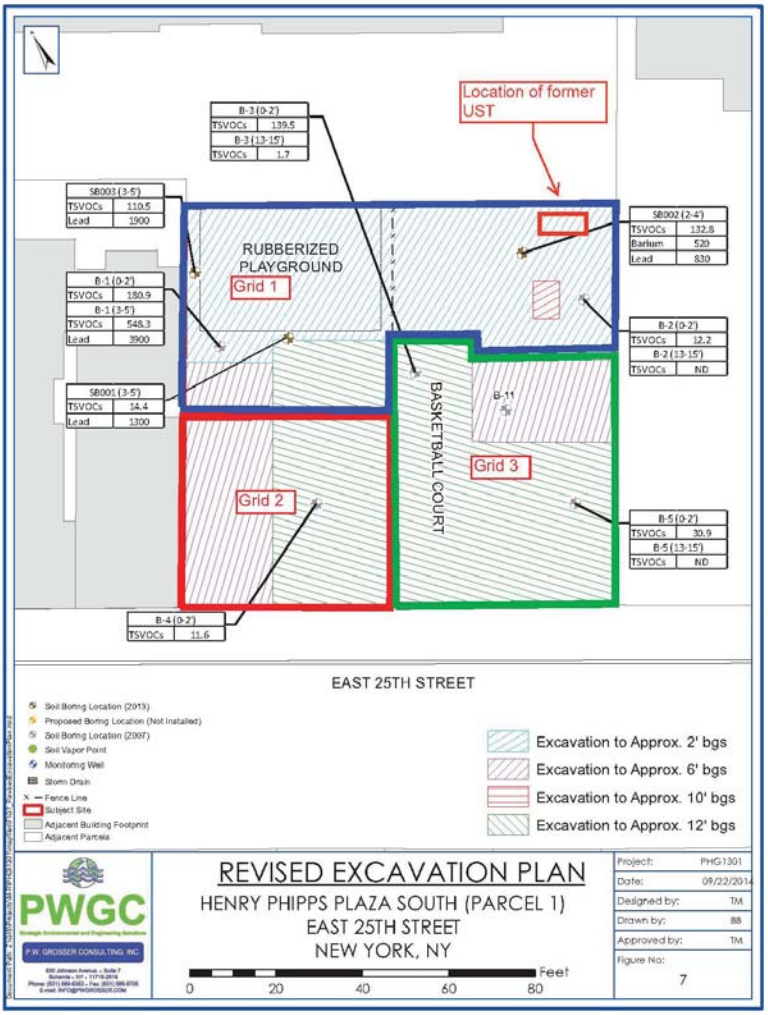
Problems Encountered:
None

Planned Activities for Next Week:
Continue soil removal and disposal
Continue installation of foundation pilings

File Name: 2015-04-09_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	30	600	61	1,220						

Site Grid Map



File Name: 2015-04-09_15CVCP032M_Daily Report

Photo Log

Photo 1 – Materials delivery	
Photo 2 – Installing foundation piles	
Photo 3 – Soil shifting (Grid 2)	

File Name: 2015-04-09_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☒	Partly Cloudy	☐	Bright Sun	☐
TEMP.	TO 32	☐	32-50	☒	50-70	☐	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Apr 10, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Drilling and installing foundation piles in grid 3
Soil shifting in grid 2
Exposing bedrock in grid 1 and 2 for inspection
Adding steel i beams to lagging between shoring piles

Working In Grid #: 1, 2, 3

Samples Collected (Since Last Report):
None

Air Monitoring (Since Last Report):
No Limits Exceeded

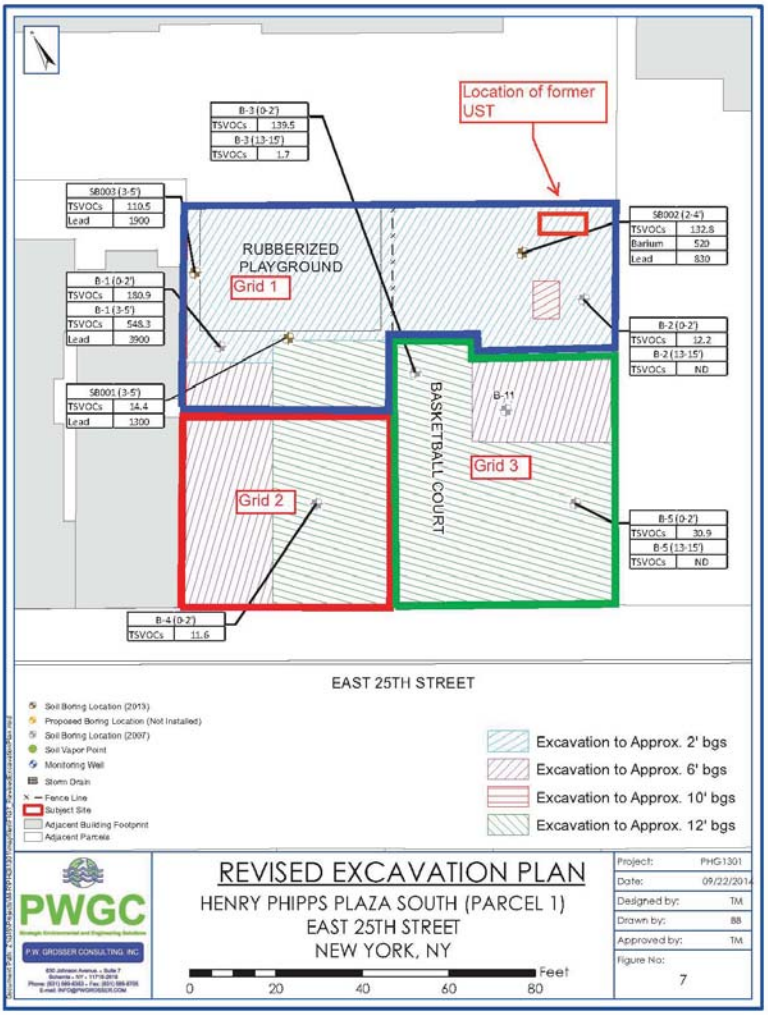
Problems Encountered:
None

Planned Activities for Next Week:
Continue soil removal and disposal
Continue installation of foundation pilings

File Name: 2015-04-10_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	30	600	61	1,220						

Site Grid Map



File Name: 2015-04-10_15CVCP032M_Daily Report

Photo Log

Photo 1 – Exposing bedrock	
Photo 2 – Installing foundation piles	
Photo 3 – Soil shifting (Grid 2)	

File Name: 2015-04-10_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☒	Bright Sun	☐
TEMP.	TO 32	☐	32-50	☐	50-70	☒	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Apr 13, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Soil Shifting in grids 1 and 2
Stockpiling grid 1 soil for removal
Installing foundation piles in grid 3
Exposing bedrock in grids 1 and 2

Working In Grid #: 1,2,3

Samples Collected (Since Last Report):
No samples collected

Air Monitoring (Since Last Report):
No limits exceeded

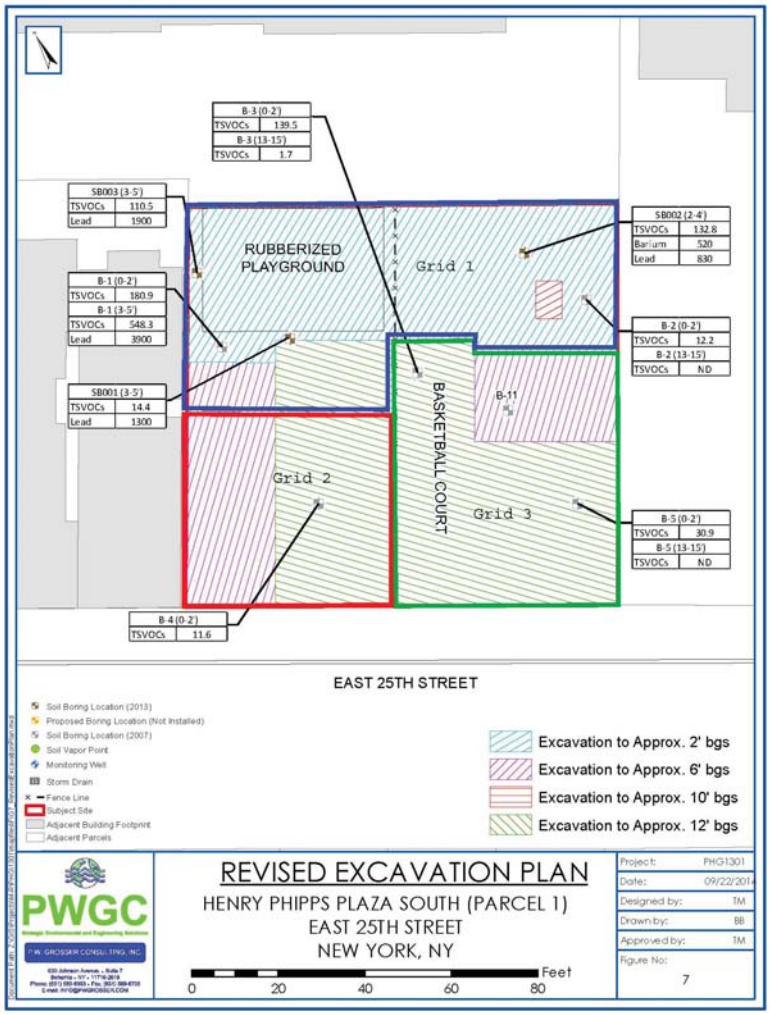
Problems Encountered:
No problems encountered

Planned Activities for Next Week:
Continue soil removal (3-4 truckloads of grid 1 soil)
Continue installing foundation piles
Continue exposing bedrock

File Name: 2015-04-13_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	30	600	61	1,220						

Site Grid Map



 File Name: 2015-04-13_15CVCP032M_Daily Report

Photo Log

Photo 1 – Soil shifting	
Photo 2 – Exposing bedrock	
Photo 3 – Installing foundation piles	

File Name: 2015-04-13_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☒	Partly Cloudy	☐	Bright Sun	☐
TEMP.	TO 32	☐	32-50	☐	50-70	☒	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Apr 14, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Soil Shifting in grid 2
Soil removal (3 truckloads of grid 1)
Installing foundation piles in grid 3
Chopping bedrock in grids 1 and 2

Working In Grid #: 1,2,3

Samples Collected (Since Last Report):
No samples collected

Air Monitoring (Since Last Report):
No limits exceeded

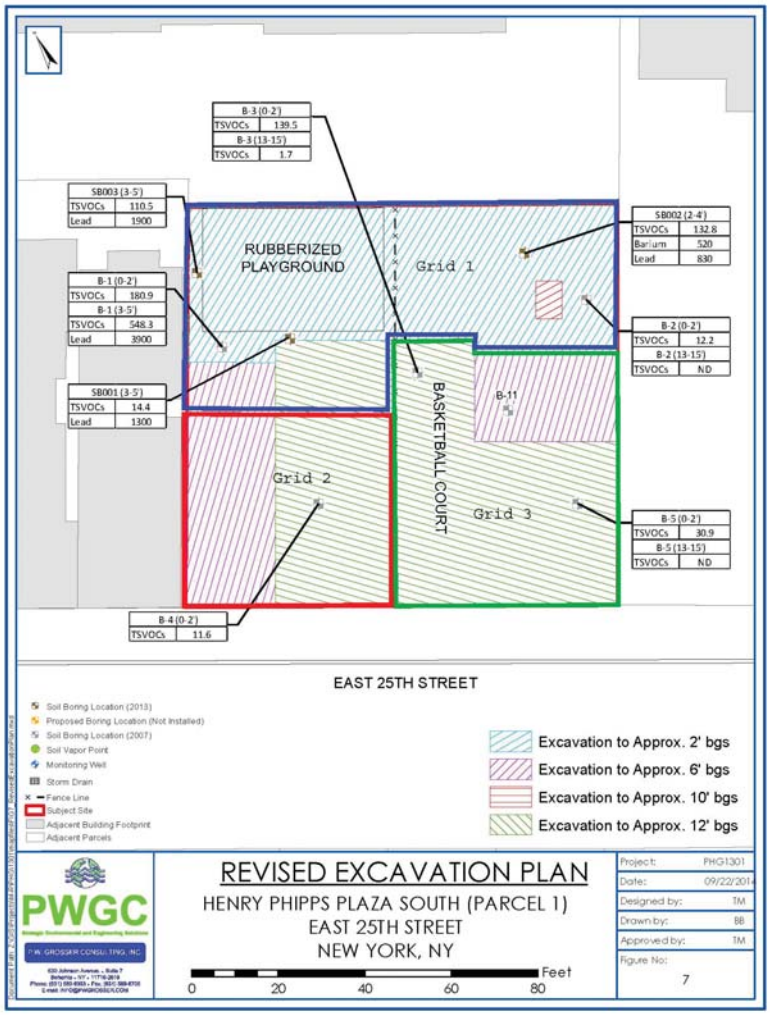
Problems Encountered:
No problems encountered

Planned Activities for Next Week:
Continue soil removal and disposal
Continue installing foundation piles
Continue chopping bedrock

File Name: 2015-04-14_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
	3	60								
Totals (trucks, cu.yds.)	33	660	61	1,220						

Site Grid Map



 File Name: 2015-04-14_15CVCP032M_Daily Report

Photo Log

Photo 1 – Soil shifting	
Photo 2 – Chopping bedrock	
Photo 3 – Installing foundation piles	

File Name: 2015-04-14_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☐	Bright Sun	☒
TEMP.	TO 32	☐	32-50	☐	50-70	☒	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Apr 15, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Rubble shifting and removal in grid 2
Installing foundation piles in grid 3
Chopping bedrock in grids 1 and 2

Working In Grid #: 1,2,3

Samples Collected (Since Last Report):
No samples collected

Air Monitoring (Since Last Report):
No limits exceeded

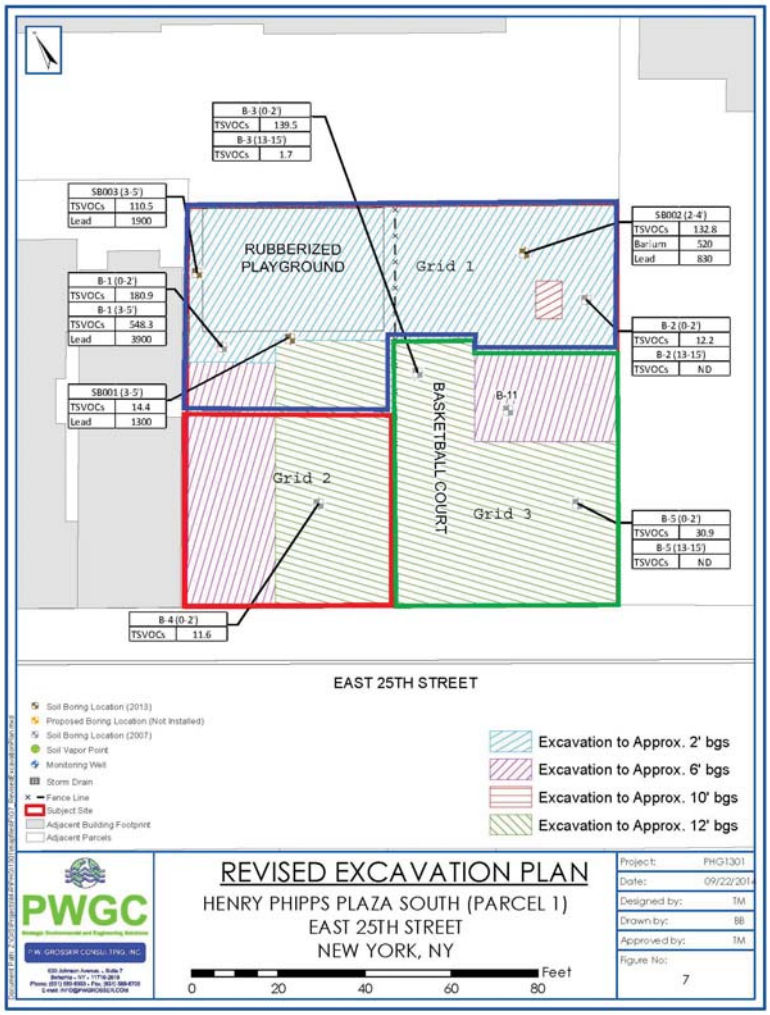
Problems Encountered:
No problems encountered

Planned Activities for Next Week:
Continue soil removal and disposal (4 truckloads of grid 2 tomorrow)
Continue installing foundation piles
Continue chopping bedrock

File Name: 2015-04-15_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	33	660	61	1,220						

Site Grid Map



 File Name: 2015-04-15_15CVCP032M_Daily Report

Photo Log

Photo 1 – Rubble shifting	
Photo 2 – Chopping bedrock	
Photo 3 – Installing foundation piles	

File Name: 2015-04-15_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☐	Bright Sun	☒
TEMP.	TO 32	☐	32-50	☐	50-70	☒	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Apr 16, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Soil shifting and removal (7 loads Grid 2 removed)
Installing foundation piles in grid 3
Chopping bedrock in grids 1 and 2

Working In Grid #: 1,2,3

Samples Collected (Since Last Report):
No samples collected

Air Monitoring (Since Last Report):
No limits exceeded

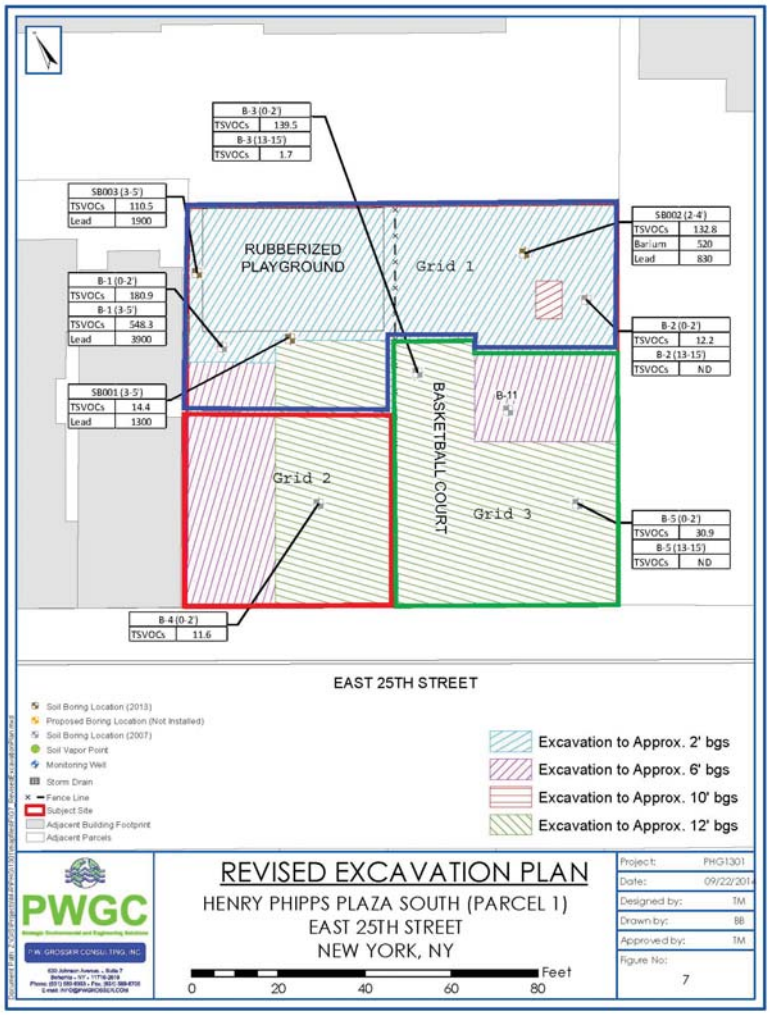
Problems Encountered:
No problems encountered

Planned Activities for Next Week:
Continue soil removal and disposal
Continue installing foundation piles
Continue chopping bedrock

File Name: 2015-04-16_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
			7	140						
Totals (trucks, cu.yds.)	33	660	68	1,360						

Site Grid Map



 File Name: 2015-04-16_15CVCP032M_Daily Report

Photo Log

Photo 1 – Soil Removal	
Photo 2 – Chopping bedrock	
Photo 3 – Installing foundation piles	

File Name: 2015-04-16_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☒	Partly Cloudy	☐	Bright Sun	☐
TEMP.	TO 32	☐	32-50	☐	50-70	☒	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Apr 17, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Soil shifting in grid 2
Adding rebar to foundation piles in grids 2 and 3
Chopping bedrock in grids 1 and 2

Working In Grid #: 1,2,3

Samples Collected (Since Last Report):
No samples collected

Air Monitoring (Since Last Report):
No limits exceeded

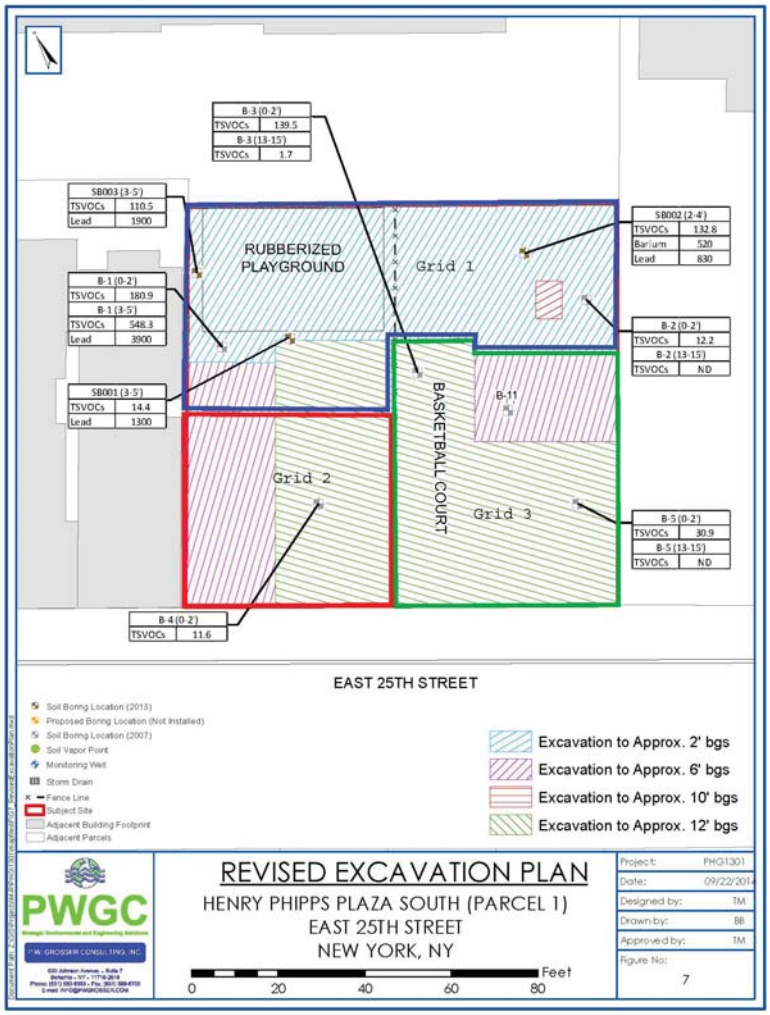
Problems Encountered:
No problems encountered

Planned Activities for Next Week:
Continue soil removal and disposal
Continue installing foundation piles
Continue chopping bedrock

File Name: 2015-04-17_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	33	660	68	1,360						

Site Grid Map



 File Name: 2015-04-17_15CVCP032M_Daily Report

Photo Log

Photo 1 – Soil shifting	
Photo 2 – Chopping bedrock	
Photo 3 – Adding rebar to foundation piles	

File Name: 2015-04-17_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☒	Overcast	☒	Partly Cloudy	☐	Bright Sun	☐
TEMP.	TO 32	☐	32-50	☒	50-70	☐	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Apr 20, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Rubble/rock shifting and removal in grid 2
Installing foundation piles in grid 3

Working In Grid #: 1,2,3

Samples Collected (Since Last Report):
No samples collected

Air Monitoring (Since Last Report):
No limits exceeded

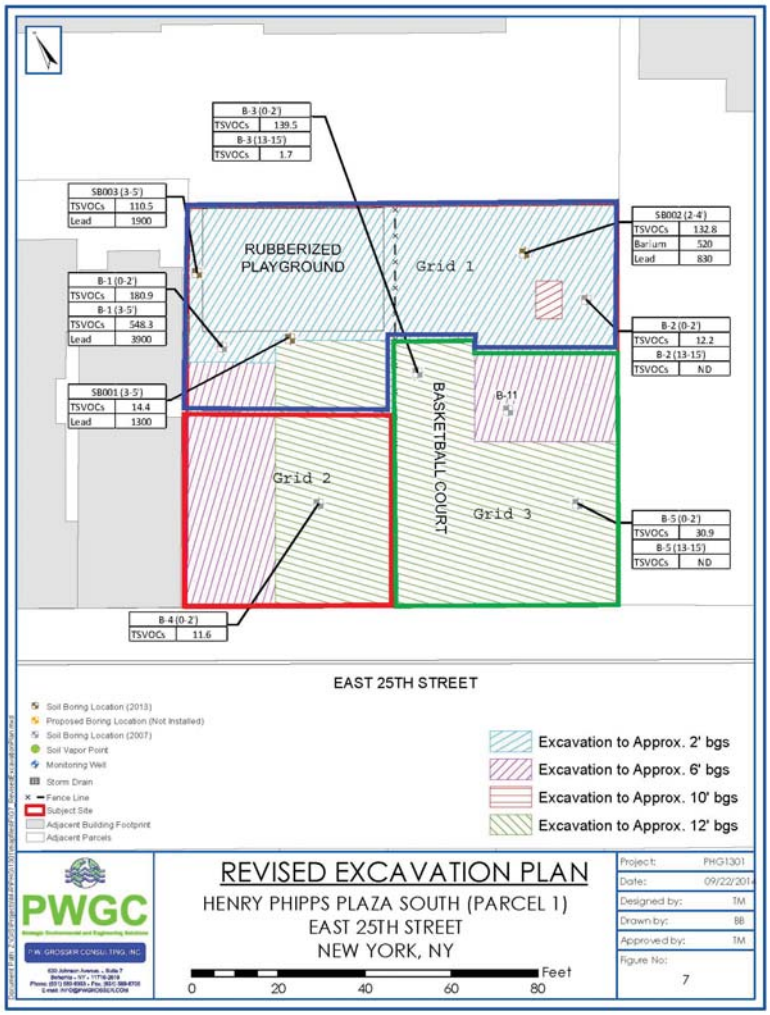
Problems Encountered:
No problems encountered

Planned Activities for Next Week:
Continue soil removal and disposal
Continue installing foundation piles
Continue chopping bedrock

File Name: 2015-04-20_15CVCP032M_Daily Report

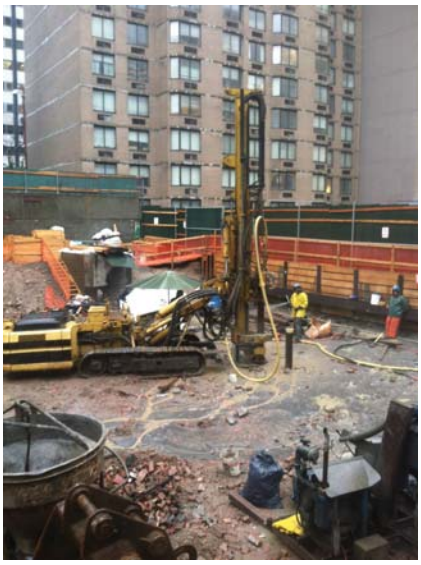
Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	33	660	68	1,360						

Site Grid Map



 File Name: 2015-04-20_15CVCP032M_Daily Report

Photo Log

Photo 1 – Rubble shifting	
Photo 2 – Foundation piling installation	
Photo 3 – Foundation piling installation (cont.)	

File Name: 2015-04-20_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☒	Bright Sun	☐
TEMP.	TO 32	☐	32-50	☐	50-70	☒	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Apr 21, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Soil shifting in grid 2
Installing foundation piles in grid 3
Chipping bedrock in grid 2

Working In Grid #: 1,2,3

Samples Collected (Since Last Report):
No samples collected

Air Monitoring (Since Last Report):
No limits exceeded

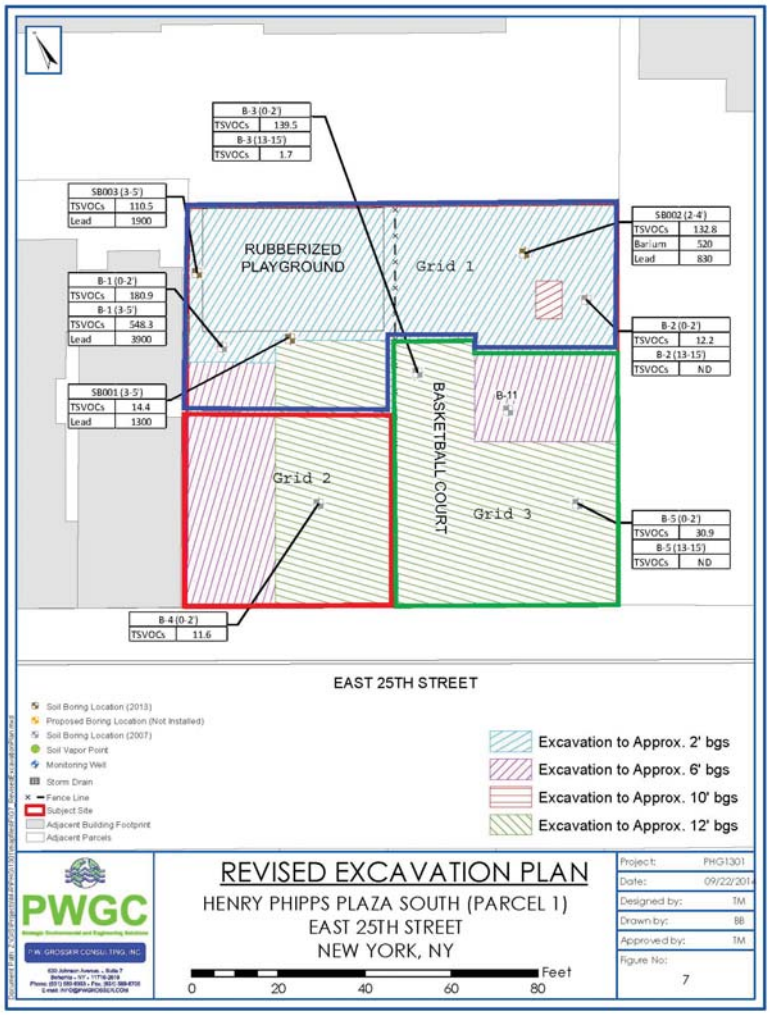
Problems Encountered:
No problems encountered

Planned Activities for Next Week:
Continue soil removal and disposal
Continue installing foundation piles
Continue chopping bedrock

File Name: 2015-04-21_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	33	660	68	1,360						

Site Grid Map



 File Name: 2015-04-21_15CVCP032M_Daily Report

Photo Log

Photo 1 – Soil shifting	
Photo 2 – Foundation piling installation	
Photo 3 – Chipping bedrock	

File Name: 2015-04-21_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☒	Bright Sun	☐
TEMP.	TO 32	☐	32-50	☐	50-70	☒	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Apr 22, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Scrap metal removal
Installing foundation piles in grid 3
Exposing bedrock in grid 2
Installing rebar and building forms for footing

Working In Grid #: 1,2,3

Samples Collected (Since Last Report):
No samples collected

Air Monitoring (Since Last Report):
No limits exceeded

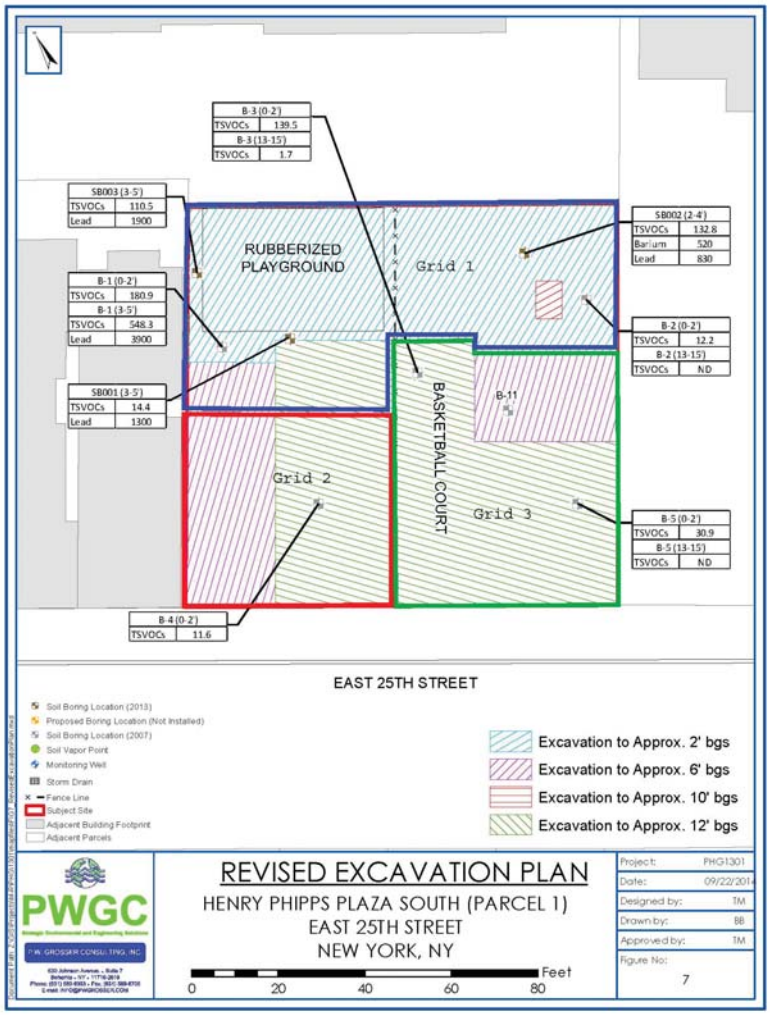
Problems Encountered:
No problems encountered

Planned Activities for Next Week:
Continue soil removal and disposal
Continue installing foundation piles
Continue building forms for footing

File Name: 2015-04-22_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	33	660	68	1,360						

Site Grid Map



 File Name: 2015-04-22_15CVCP032M_Daily Report

Photo Log

Photo 1 – Scrap metal removal	
Photo 2 – Foundation piling installation	
Photo 3 – Rebar installation/form building	

File Name: 2015-04-22_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☒	Bright Sun	☐
TEMP.	TO 32	☐	32-50	☒	50-70	☐	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Apr 23, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Ryan Morely
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):

Installing foundation piles in grid 3
Exposing bedrock in grid 2
Installing rebar and building forms for footing
Chipping bedrock

Working In Grid #: 1,2,3

Samples Collected (Since Last Report):
No samples collected

Air Monitoring (Since Last Report):
No limits exceeded

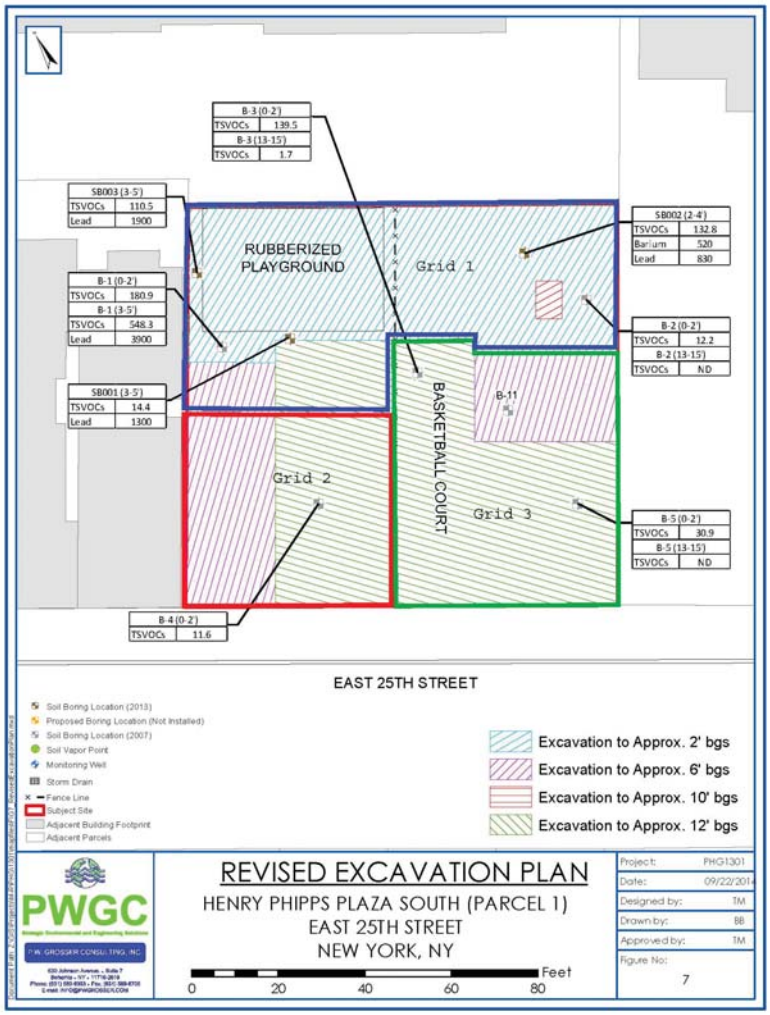
Problems Encountered:
No problems encountered

Planned Activities for Next Week:
Continue soil removal and disposal
Continue installing foundation piles
Continue building forms for footing

File Name: 2015-04-23_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	33	660	68	1,360						

Site Grid Map



 File Name: 2015-04-23_15CVCP032M_Daily Report

Photo Log

Photo 1 – Scrap metal removal	
Photo 2 – Foundation piling installation	
Photo 3 – Rebar installation/form building	

File Name: 2015-04-23_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☒	Bright Sun	☐
TEMP.	TO 32	☐	32-50	☒	50-70	☐	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Apr 24, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant: P.W. Grosser Consulting	Safety Officer: Ryan Morely
Contractor: Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):

Installing foundation piles in grid 3
Exposing/chipping bedrock in grid 2
Installing rebar and building forms for footing

Working In Grid #: 1,2,3

Samples Collected (Since Last Report):
No samples collected

Air Monitoring (Since Last Report):
No limits exceeded

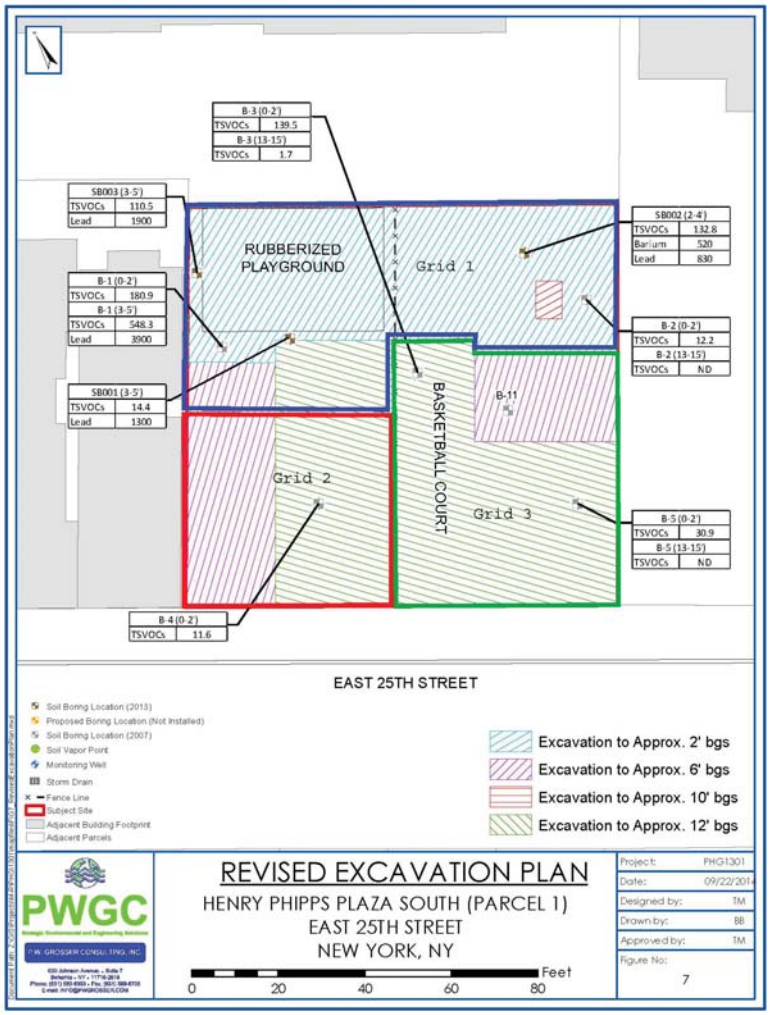
Problems Encountered:
No problems encountered

Planned Activities for Next Week:
Continue soil removal and disposal
Continue installing foundation piles
Continue building forms for footing

File Name: 2015-04-24_15CVCP032M_Daily Report

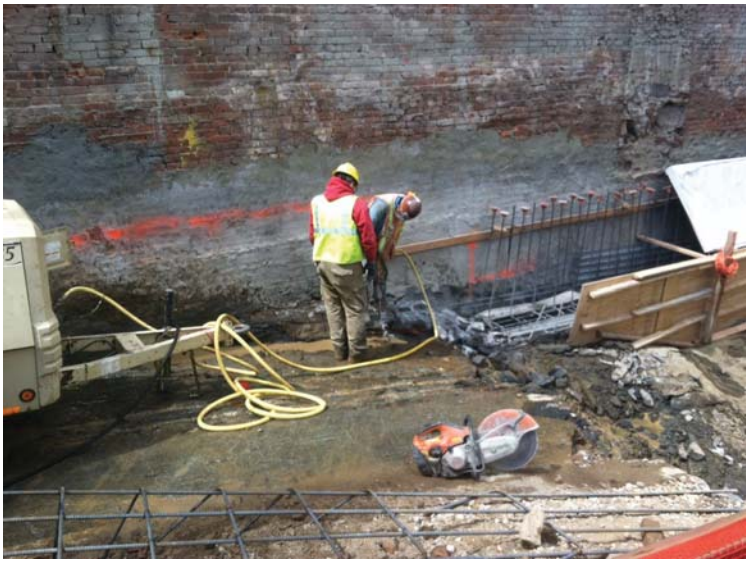
Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	33	660	68	1,360						

Site Grid Map



 File Name: 2015-04-24_15CVCP032M_Daily Report

Photo Log

Photo 1 – Rebar installation	
Photo 2 – Exposing bedrock	
Photo 3 – Chipping bedrock	

File Name: 2015-04-24_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☒	Bright Sun	☐
TEMP.	TO 32	☐	32-50	☐	50-70	☒	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Apr 28, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Soil and rubble shifting in grid 2
Installing foundation piles in grids 1 and 3
Installing rebar and building forms for footing
Pouring concrete for footing in grids 1 and 2

Working In Grid #: 1,2,3

Samples Collected (Since Last Report):
No samples collected

Air Monitoring (Since Last Report):
No limits exceeded

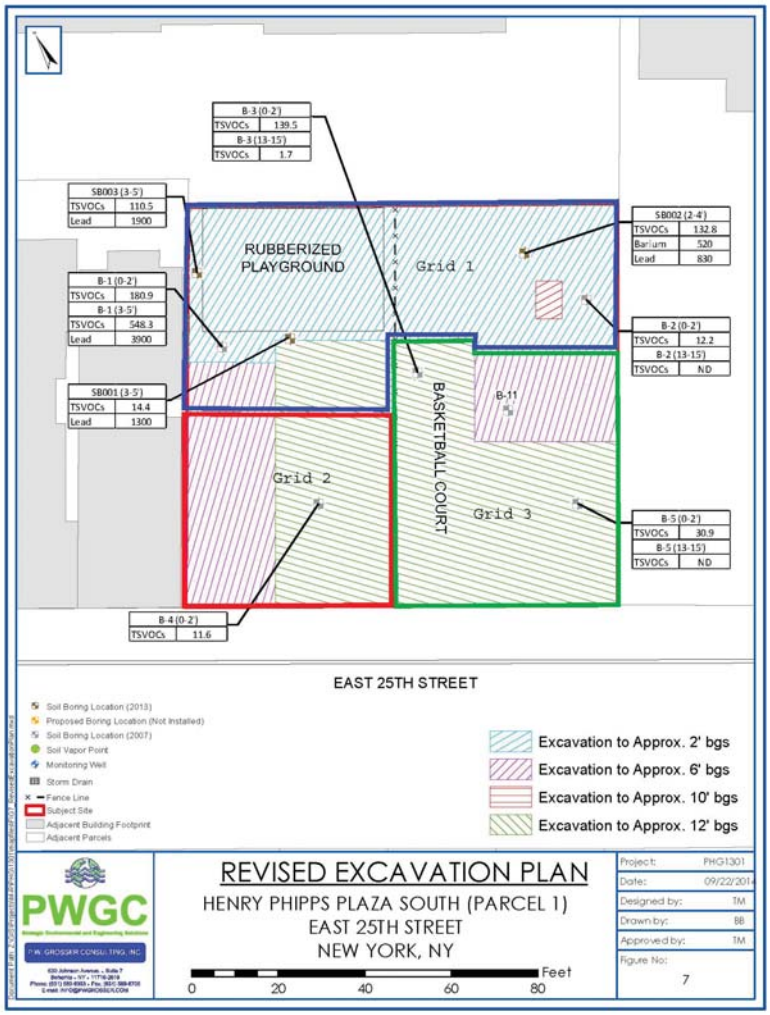
Problems Encountered:
No problems encountered

Planned Activities for Next Week:
Continue soil removal and disposal
Continue installing foundation piles
Continue work on concrete footing

File Name: 2015-04-28_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	33	660	68	1,360						

Site Grid Map



 File Name: 2015-04-28_15CVCP032M_Daily Report

Photo Log

Photo 1 – Form building for footing	
Photo 2 – Foundation piling installation	
Photo 3 – Concrete delivery/pouring	

File Name: 2015-04-28_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☒	Bright Sun	☐
TEMP.	TO 32	☐	32-50	☒	50-70	☐	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Apr 29, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	John Danko
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Drilling piles
Grouting piles
Forming grade beams

Working In Grid #: 1,2,3

Samples Collected (Since Last Report):
No samples collected

Air Monitoring (Since Last Report):
No limits exceeded

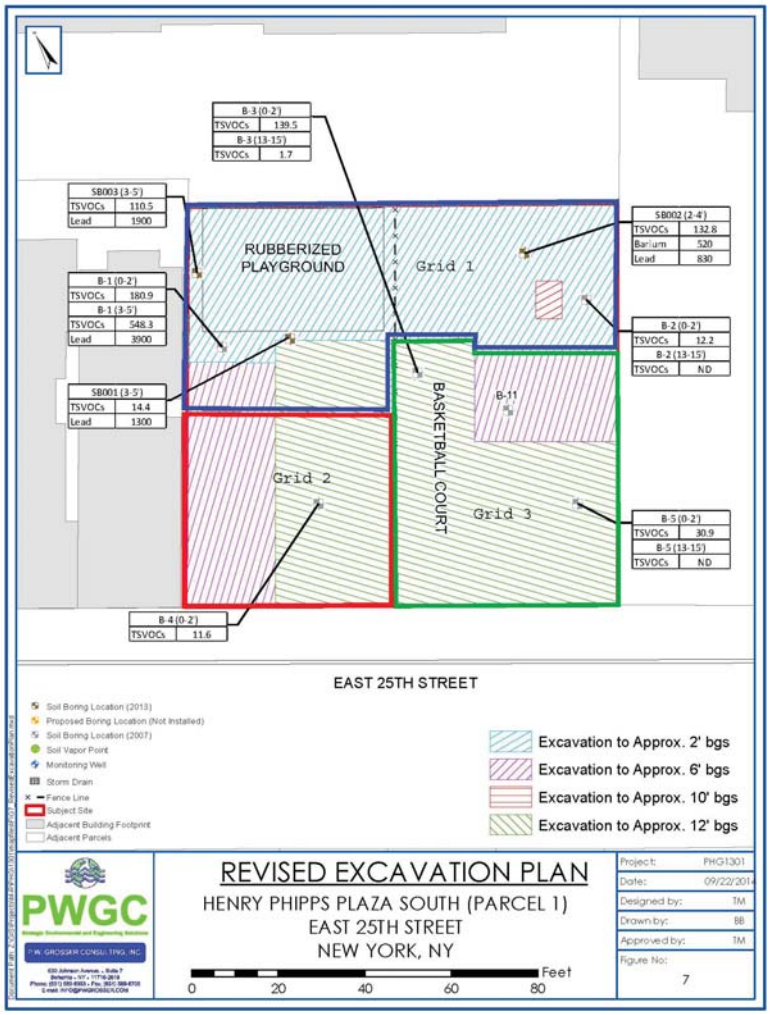
Problems Encountered:
No problems encountered

Planned Activities for Next Week:
Continue forming grade beams
Continue work on concrete

File Name: 2015-04-29_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	33	660	68	1,360						

Site Grid Map



 File Name: 2015-04-29_15CVCP032M_Daily Report

Photo Log

Photo 1 – Rebar installation	
Photo 2 – Forming grade beam	
Photo 3 – Soil movement in Grid 3	

File Name: 2015-04-29_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☒	Bright Sun	☐
TEMP.	TO 32	☐	32-50	☒	50-70	☒	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Apr 30, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Soil and RCA shifting in grid 2
Installing rebar and building forms for footing
Pouring concrete for footing in grids 1 and 2
Welding steel I beams to lagging

Working In Grid #: 1,2,3

Samples Collected (Since Last Report):
No samples collected

Air Monitoring (Since Last Report):
No limits exceeded

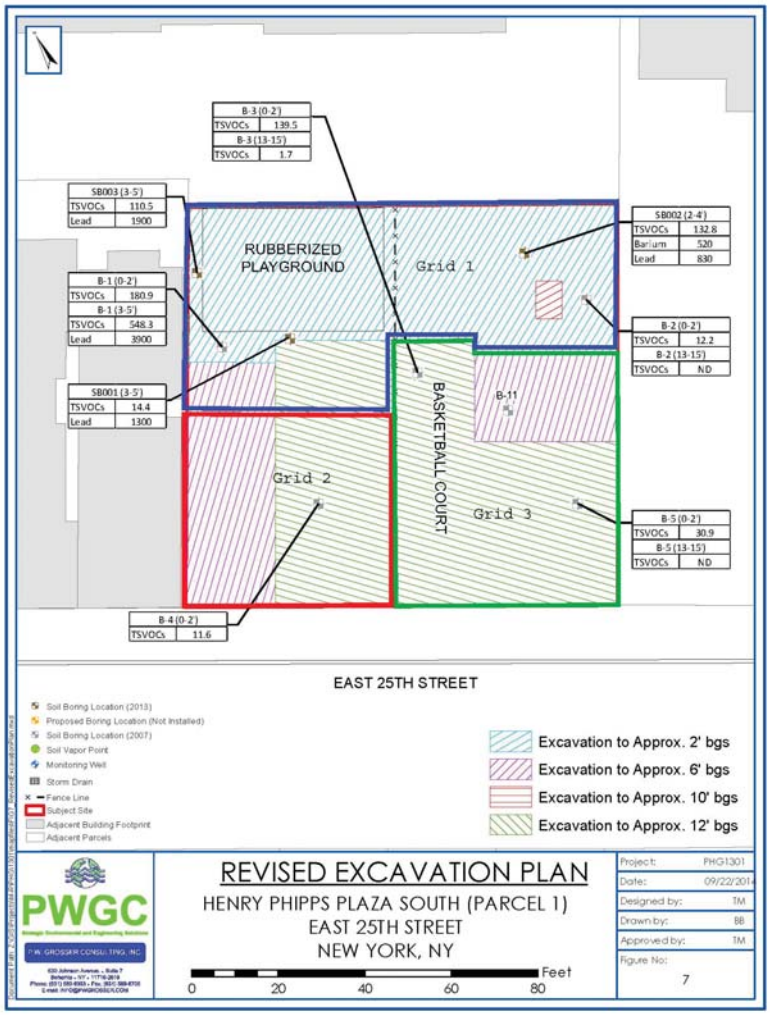
Problems Encountered:
No problems encountered

Planned Activities for Next Week:
Continue soil removal and disposal
Continue work on concrete footing

File Name: 2015-04-30_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	33	660	68	1,360						

Site Grid Map



 File Name: 2015-04-30_15CVCP032M_Daily Report

Photo Log

Photo 1 – Form building for footing	
Photo 2 – Soil/RCA Shifting	
Photo 3 – Concrete delivery/pouring	

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☒	Bright Sun	☐
TEMP.	TO 32	☐	32-50	☒	50-70	☐	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	May 1, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):

Soil shifting in grid 1
Installing rebar and building forms for footing
Removal of drill rig used for shoring
Materials deliveries
Begin installing waterproofing along neighboring building boundary

Working In Grid #: 1,2,3

Samples Collected (Since Last Report):

No samples collected

Air Monitoring (Since Last Report):

No limits exceeded

Problems Encountered:

No problems encountered

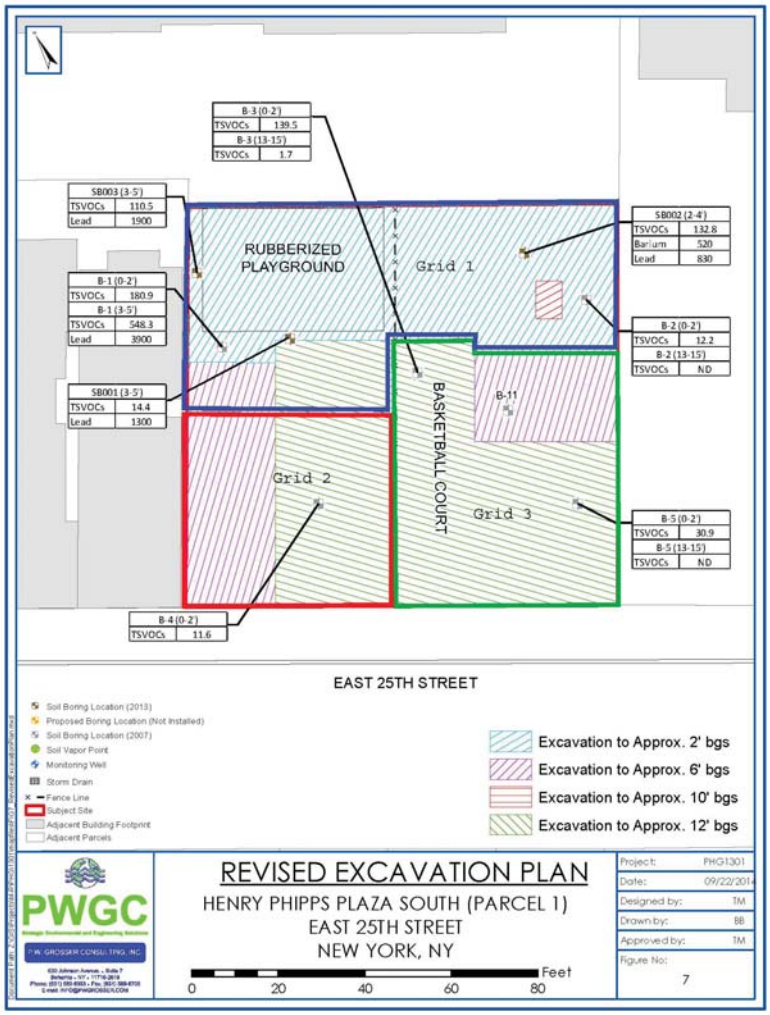
Planned Activities for Next Week:

Continue soil removal and disposal
Continue work on concrete footing
Continue waterproofing

File Name: 2015-05-01_15CVCP032M_Daily Report

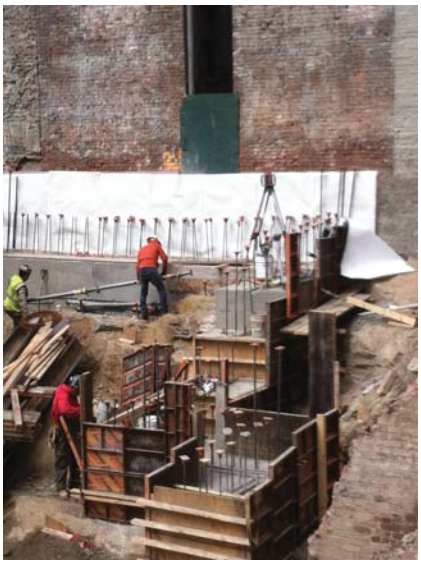
Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	33	660	68	1,360						

Site Grid Map



 File Name: 2015-05-01_15CVCP032M_Daily Report

Photo Log

Photo 1 – Drill rig removal	
Photo 2 – Waterproofing	
Photo 3 – Soil shifting	

File Name: 2015-05-01_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☐	Bright Sun	☒
TEMP.	TO 32	☐	32-50	☐	50-70	☐	70-85	☒	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	May 4, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Soil shifting in grids 1, 2 and 3
Installing rebar for foundation wall
Installing waterproofing along neighboring building boundary
Stripping concrete forms
Chopping bedrock

Working In Grid #: 1,2,3

Samples Collected (Since Last Report):
No samples collected

Air Monitoring (Since Last Report):
No limits exceeded

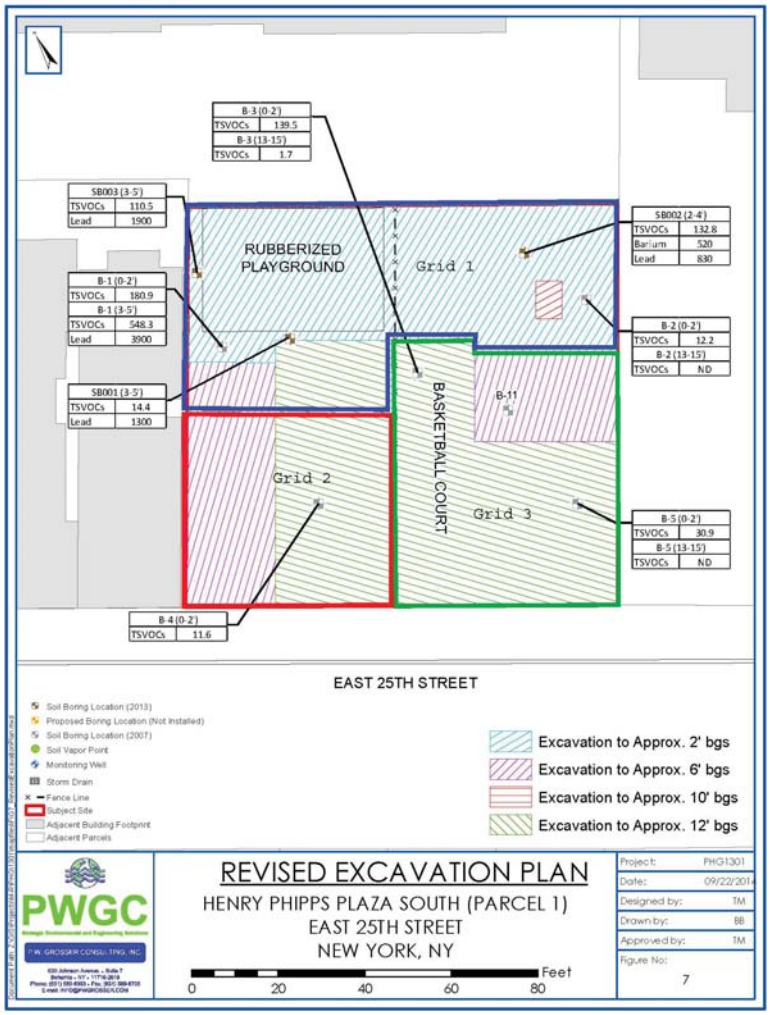
Problems Encountered:
No problems encountered

Planned Activities for Next Week:
Continue soil removal and disposal
Pouring concrete heel blocks
Continue installing concrete footings
Continue chopping bedrock

File Name: 2015-05-04_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	33	660	68	1,360						

Site Grid Map



 File Name: 2015-05-04_15CVCP032M_Daily Report

Photo Log

Photo 1 – Stripping concrete forms	
Photo 2 – Shifting soil in grid 1	
Photo 3 – Chopping bedrock	

File Name: 2015-05-04_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☐	Bright Sun	☒
TEMP.	TO 32	☐	32-50	☐	50-70	☒	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	May 5, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Soil shifting in grids 2 and 3
Installing heel blocks in grid 3
Installing rebar and forms for foundation wall
Installing waterproofing along neighboring building boundary
Chopping bedrock

Working In Grid #: 1,2,3

Samples Collected (Since Last Report):
No samples collected

Air Monitoring (Since Last Report):
No limits exceeded

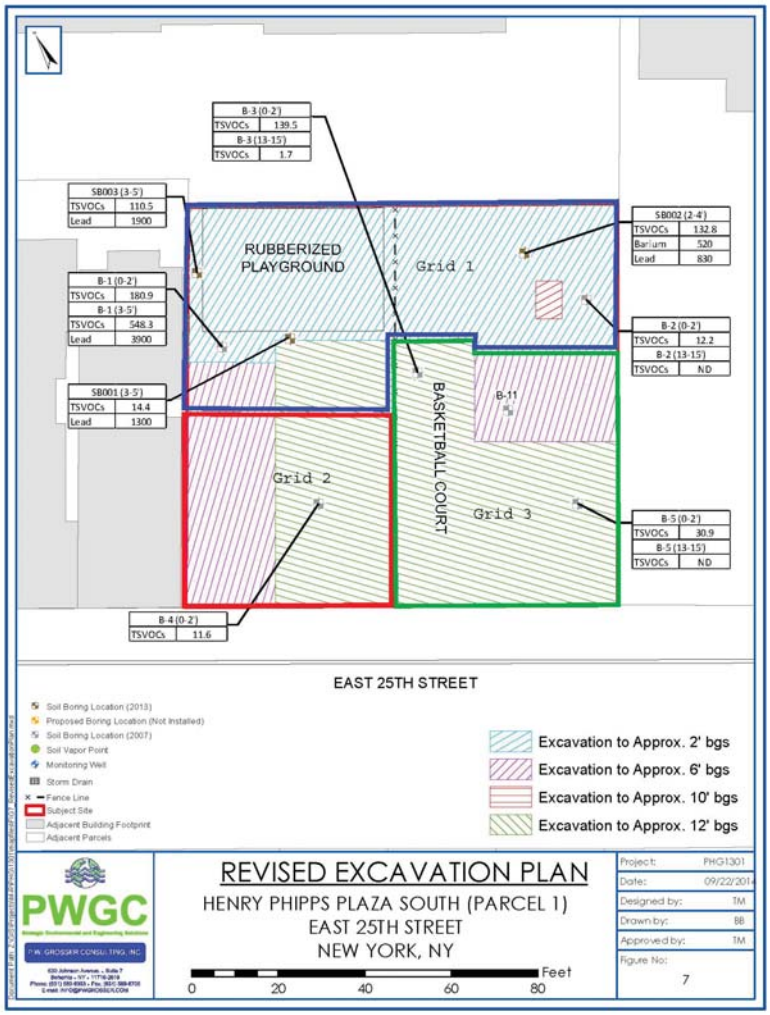
Problems Encountered:
No problems encountered

Planned Activities for Next Week:
Continue soil removal and disposal (4 loads grid 2 tomorrow)
Continue installing foundation wall and footings
Continue chopping bedrock

File Name: 2015-05-05_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	33	660	68	1,360						

Site Grid Map



 File Name: 2015-05-05_15CVCP032M_Daily Report

Photo Log

Photo 1 – Installing rebar for the foundation wall	
Photo 2 – Shifting soil in grid 3	
Photo 3 – Chopping bedrock	

File Name: 2015-05-05_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☒	Bright Sun	☐
TEMP.	TO 32	☐	32-50	☐	50-70	☒	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	May 6, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Soil shifting in grids 1, 2 and 3
Soil removal (4 load of grid 2 soil)
Installing rebar and forms for foundation wall
Chopping bedrock

Working In Grid #: 1,2,3

Samples Collected (Since Last Report):
No samples collected

Air Monitoring (Since Last Report):
No limits exceeded

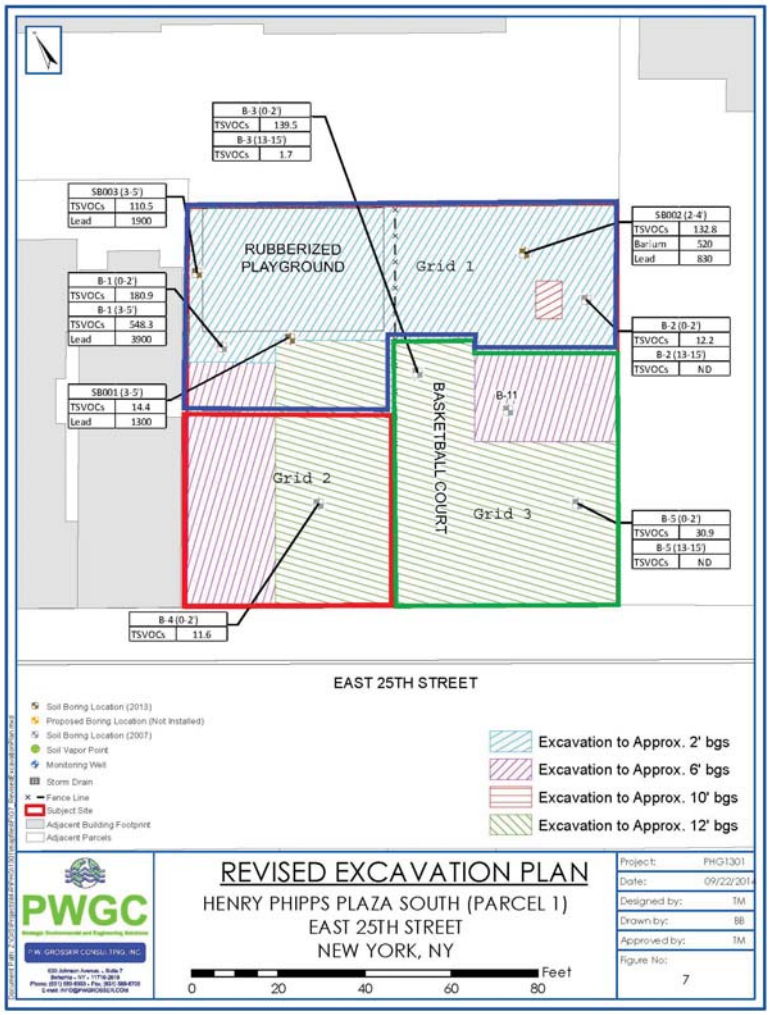
Problems Encountered:
No problems encountered

Planned Activities for Next Week:
Continue soil removal and disposal
Continue installing foundation wall and footings
Continue chopping bedrock

File Name: 2015-05-06_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
			4	120						
Totals (trucks, cu.yds.)	33	660	72	1,480						

Site Grid Map



 File Name: 2015-05-06_15CVCP032M_Daily Report

Photo Log

Photo 1 – Soil removal	
Photo 2 – Chopping bedrock	
Photo 3 – Building forms for foundation wall	

File Name: 2015-05-06_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☐	Bright Sun	☒
TEMP.	TO 32	☐	32-50	☐	50-70	☒	70-85	☒	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	May 7, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Soil shifting in grids 1,2 and 3
Installing rebar and forms for foundation wall
Chopping bedrock

Working In Grid #: 1,2,3

Samples Collected (Since Last Report):
No samples collected

Air Monitoring (Since Last Report):
No limits exceeded

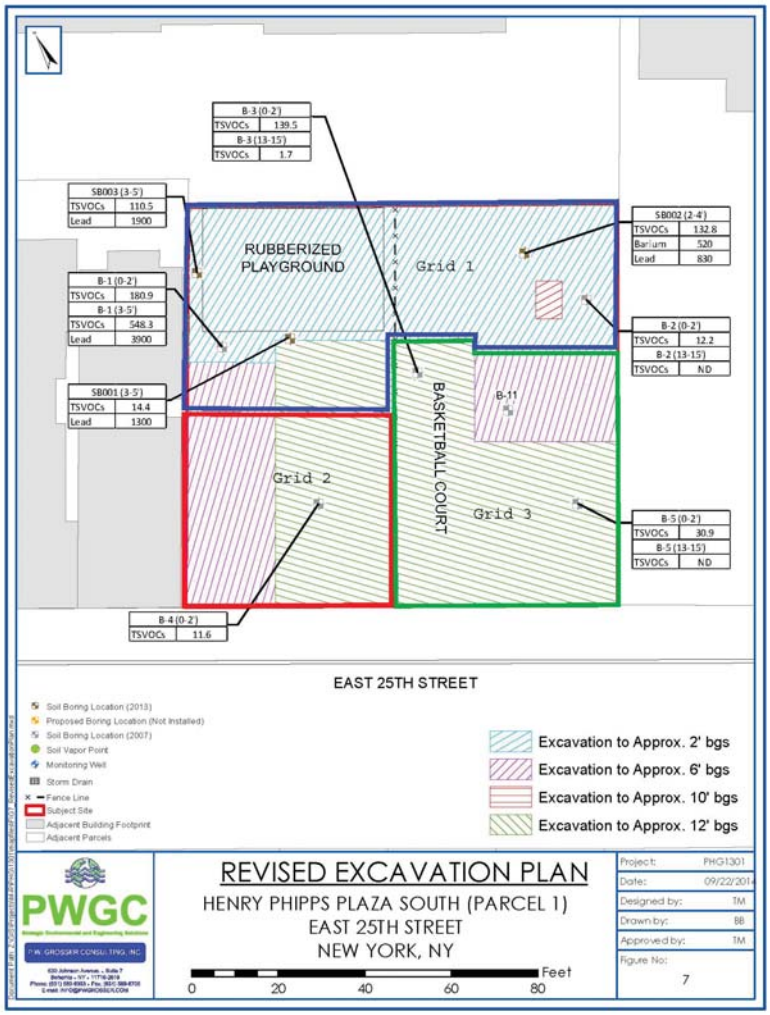
Problems Encountered:
No problems encountered

Planned Activities for Next Week:
Continue soil removal and disposal
Continue installing foundation wall and footings
Continue chopping bedrock

File Name: 2015-05-07_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	33	660	72	1,480						

Site Grid Map



File Name: 2015-05-07_15CVCP032M_Daily Report

Photo Log

Photo 1 – Soil shifting	
Photo 2 – Chopping bedrock	
Photo 3 – Building forms for foundation wall	

File Name: 2015-05-07_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☐	Bright Sun	☒
TEMP.	TO 32	☐	32-50	☐	50-70	☒	70-85	☒	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	May 8, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Soil shifting in grids 1,2 and 3
Installing rebar and forms for foundation wall
Chopping bedrock

Working In Grid #: 1,2,3

Samples Collected (Since Last Report):
No samples collected

Air Monitoring (Since Last Report):
No limits exceeded

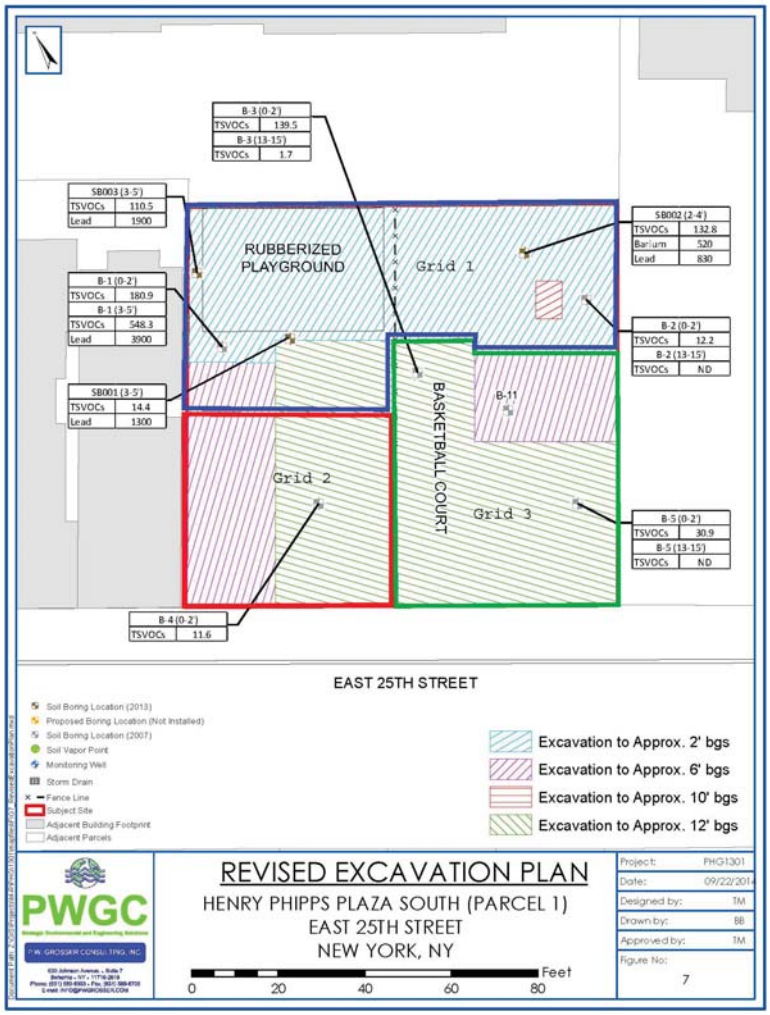
Problems Encountered:
No problems encountered

Planned Activities for Next Week:
Continue soil removal and disposal
Continue installing foundation wall and footings
Continue chopping bedrock

File Name: 2015-05-08_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	33	660	72	1,480						

Site Grid Map



 File Name: 2015-05-08_15CVCP032M_Daily Report

Photo Log

Photo 1 – Soil shifting	
Photo 2 – Chopping bedrock	
Photo 3 – Building forms for foundation wall	

File Name: 2015-05-08_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☒	Bright Sun	☐
TEMP.	TO 32	☐	32-50	☐	50-70	☐	70-85	☒	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	May 11, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Soil shifting in grids 1 and 2
Installing forms for foundation wall
Chopping bedrock

Working In Grid #: 1,2,3

Samples Collected (Since Last Report):
No samples collected

Air Monitoring (Since Last Report):
No limits exceeded

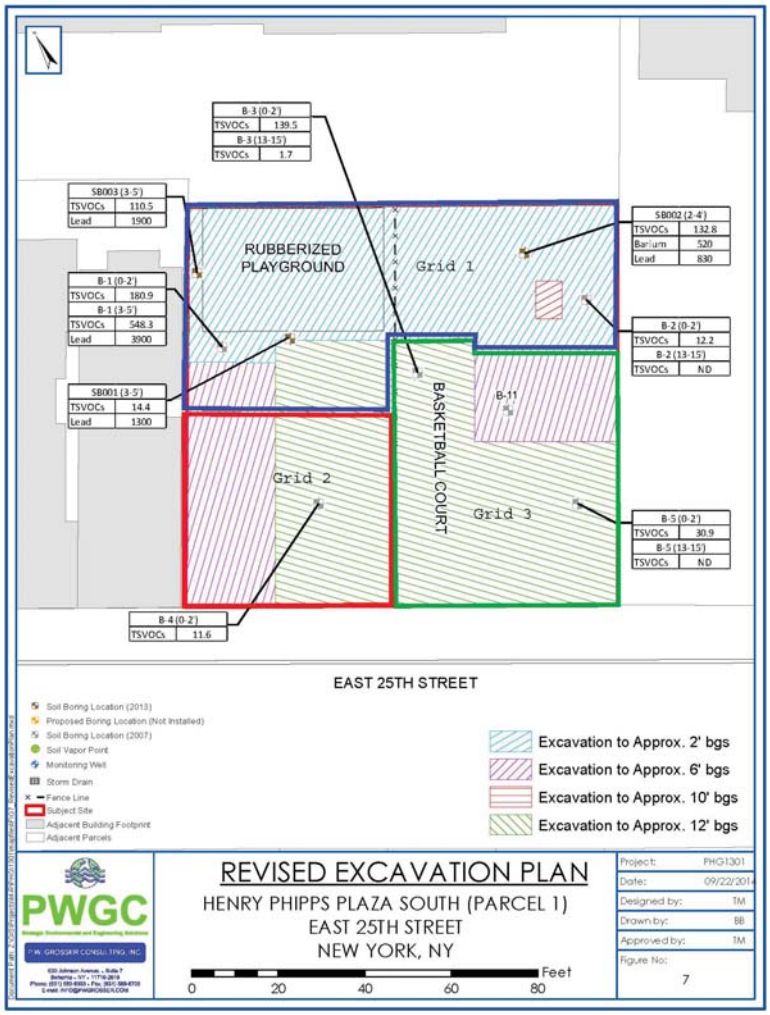
Problems Encountered:
No problems encountered

Planned Activities for Next Week:
Continue soil removal and disposal
Continue installing foundation wall and footings (begin pouring foundation wall tomorrow)
Continue chopping bedrock

File Name: 2015-05-11_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	33	660	72	1,480						

Site Grid Map



 File Name: 2015-05-11_15CVCP032M_Daily Report

Photo Log

Photo 1 – Soil shifting	
Photo 2 – Chopping bedrock	
Photo 3 – Building forms for foundation wall	

File Name: 2015-05-11_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☒	Bright Sun	☐
TEMP.	TO 32	☐	32-50	☐	50-70	☐	70-85	☒	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	May 12, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Soil shifting in grids 1, 2 and 3
Pouring foundation wall

Working In Grid #: 1,2,3

Samples Collected (Since Last Report):
No samples collected

Air Monitoring (Since Last Report):
No limits exceeded

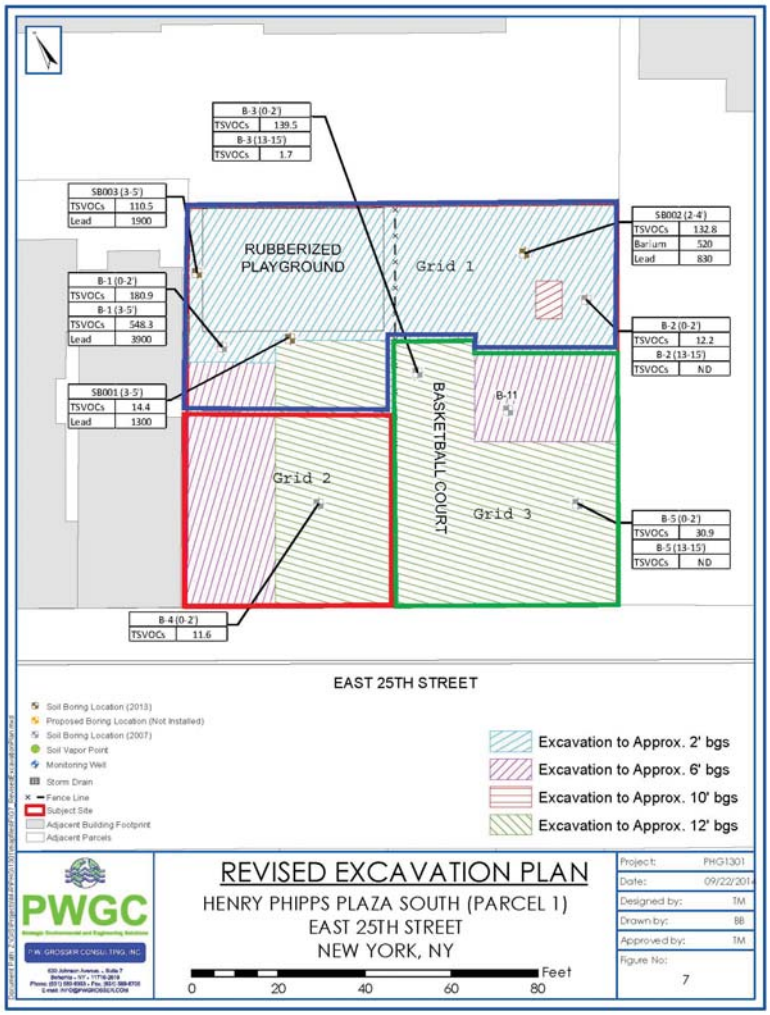
Problems Encountered:
No problems encountered

Planned Activities for Next Week:
Continue soil removal and disposal
Continue installing foundation wall and footings

File Name: 2015-05-12_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	33	660	72	1,480						

Site Grid Map



 File Name: 2015-05-12_15CVCP032M_Daily Report

Photo Log

Photo 1 – Soil shifting	
Photo 2 – Concrete delivery	
Photo 3 – Pouring concrete	

File Name: 2015-05-12_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☐	Bright Sun	☒
TEMP.	TO 32	☐	32-50	☐	50-70	☒	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	May 13, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Soil shifting in grids 1 and 2
Stockpiling grid 1 soil for removal
Stripping concrete forms

Working In Grid #: 1,2,3

Samples Collected (Since Last Report):
Endpoint 002 (SVOCs and Metals)

Air Monitoring (Since Last Report):
No limits exceeded

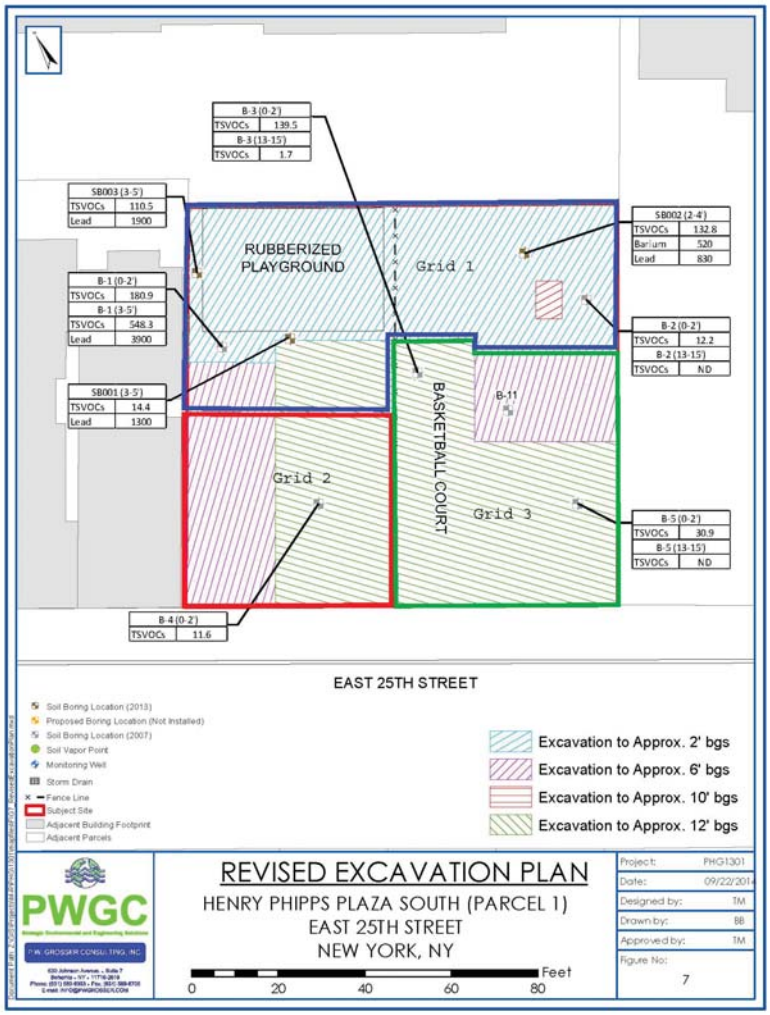
Problems Encountered:
No problems encountered

Planned Activities for Next Week:
Continue soil removal and disposal (9 loads grid 1 soil to be removed tomorrow)
Continue installing foundation wall and footings

File Name: 2015-05-13_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	33	660	72	1,440						

Site Grid Map



 File Name: 2015-05-13_15CVCP032M_Daily Report

Photo Log

Photo 1 – Soil shifting	
Photo 2 – Stockpiling grid 1 soil	
Photo 3 – Partially stripped concrete forms	

File Name: 2015-05-13_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☐	Bright Sun	☒
TEMP.	TO 32	☐	32-50	☐	50-70	☒	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	May 14, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Soil shifting in grids 1, 2 and 3
Soil removal (9 loads of grid 1)
Stripping concrete forms
Building concrete forms and rebar for footing

Working In Grid #: 1,2,3

Samples Collected (Since Last Report):
No samples collected

Air Monitoring (Since Last Report):
No limits exceeded

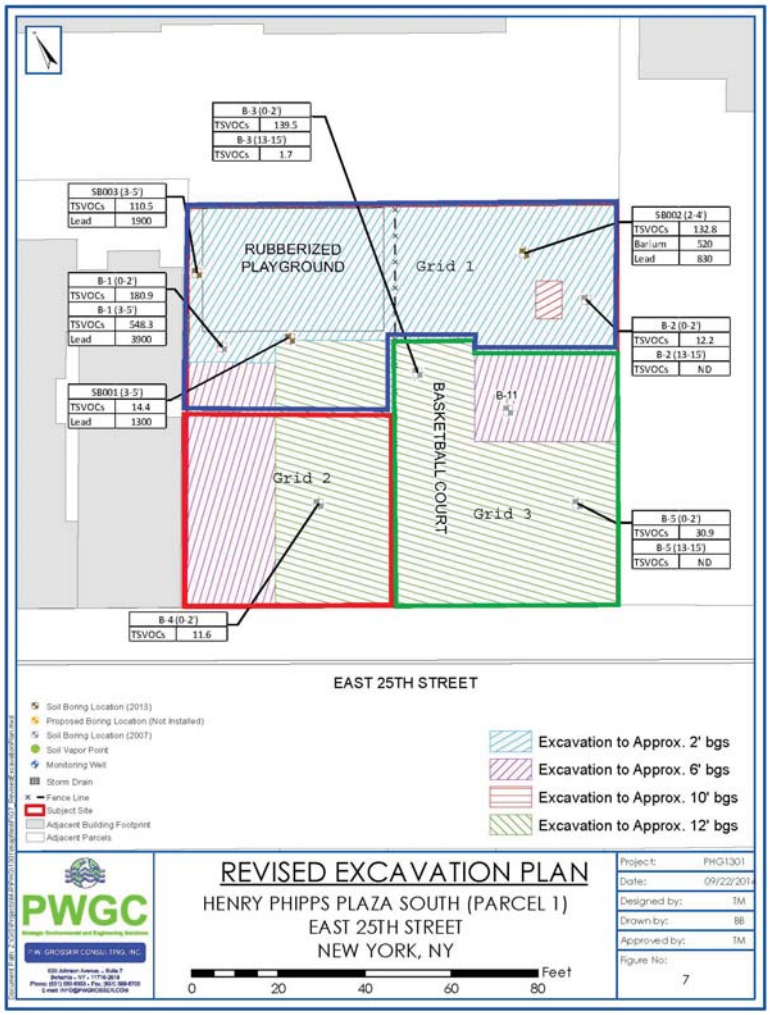
Problems Encountered:
No problems encountered

Planned Activities for Next Week:
Continue soil removal and disposal
Continue installing foundation wall and footings

File Name: 2015-05-14_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
	9	180								
Totals (trucks, cu.yds.)	42	840	72	1,440						

Site Grid Map



 File Name: 2015-05-14_15CVCP032M_Daily Report

Photo Log

Photo 1 – Soil removal	
Photo 2 – Stripping concrete forms	
Photo 3 – Building concrete forms	

File Name: 2015-05-14_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☐	Bright Sun	☒
TEMP.	TO 32	☐	32-50	☐	50-70	☒	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	May 15, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Soil shifting in grids 2 and 3
Stripping concrete forms
Building concrete forms and rebar for footing
RCA delivery and spreading for ramp

Working In Grid #: 1,2,3

Samples Collected (Since Last Report):
No samples collected

Air Monitoring (Since Last Report):
No limits exceeded

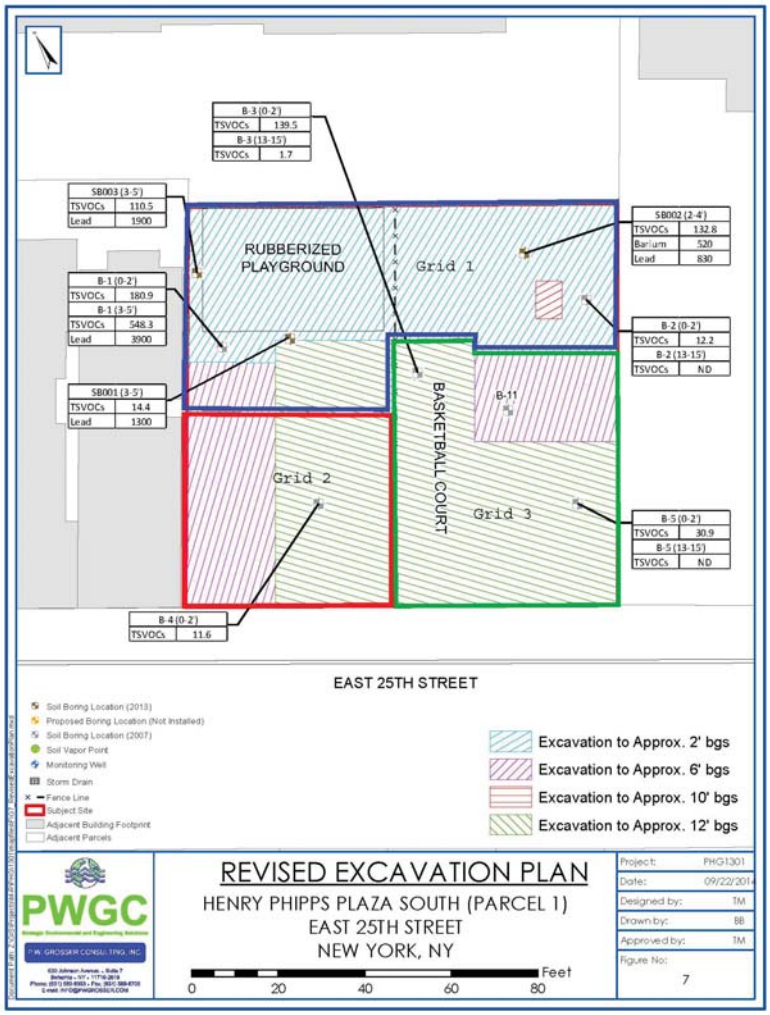
Problems Encountered:
No problems encountered

Planned Activities for Next Week:
Continue soil removal and disposal
Continue installing foundation wall and footings

File Name: 2015-05-15_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	42	840	72	1,440						

Site Grid Map



 File Name: 2015-05-15_15CVCP032M_Daily Report

Photo Log

Photo 1 – Stripping concrete forms	
Photo 2 – Soil shifting	
Photo 3 – Building concrete forms	

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☒	Bright Sun	☐
TEMP.	TO 32	☐	32-50	☐	50-70	☒	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	May 18, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Soil shifting in grids 2 and 3
Building concrete forms and rebar for footing and foundation wall
Pouring concrete for footing

Working In Grid #: 1,2,3

Samples Collected (Since Last Report):
EP005 collected, EP001 and EP004 are on bedrock (no sample to be taken)

Air Monitoring (Since Last Report):
No limits exceeded

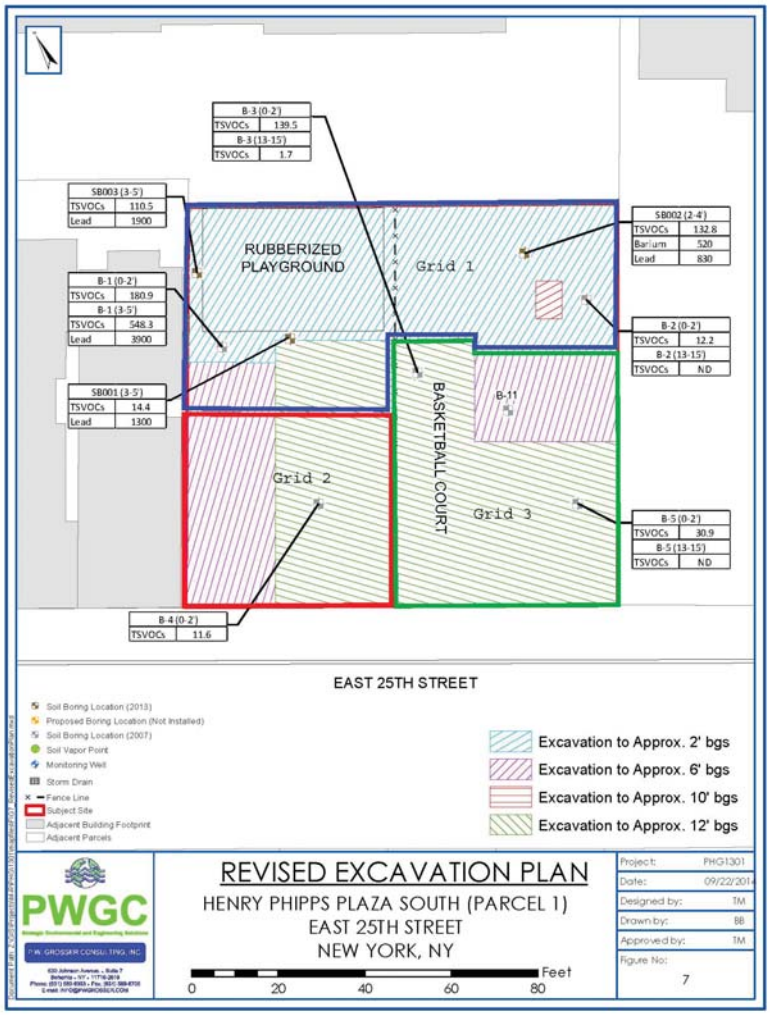
Problems Encountered:
No problems encountered

Planned Activities for Next Week:
Continue soil removal and disposal
Continue installing foundation wall and footings

File Name: 2015-05-18_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	42	840	72	1,440						

Site Grid Map



 File Name: 2015-05-18_15CVCP032M_Daily Report

Photo Log

Photo 1 – Concrete delivery	
Photo 2 – Soil shifting	
Photo 3 – Building concrete forms	

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☒	Partly Cloudy	☒	Bright Sun	☐
TEMP.	TO 32	☐	32-50	☐	50-70	☒	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	May 19, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Soil shifting in grids 2 and 3
Building concrete forms and rebar for footing and foundation wall

Working In Grid #: 1,2,3

Samples Collected (Since Last Report):
No samples collected

Air Monitoring (Since Last Report):
No limits exceeded

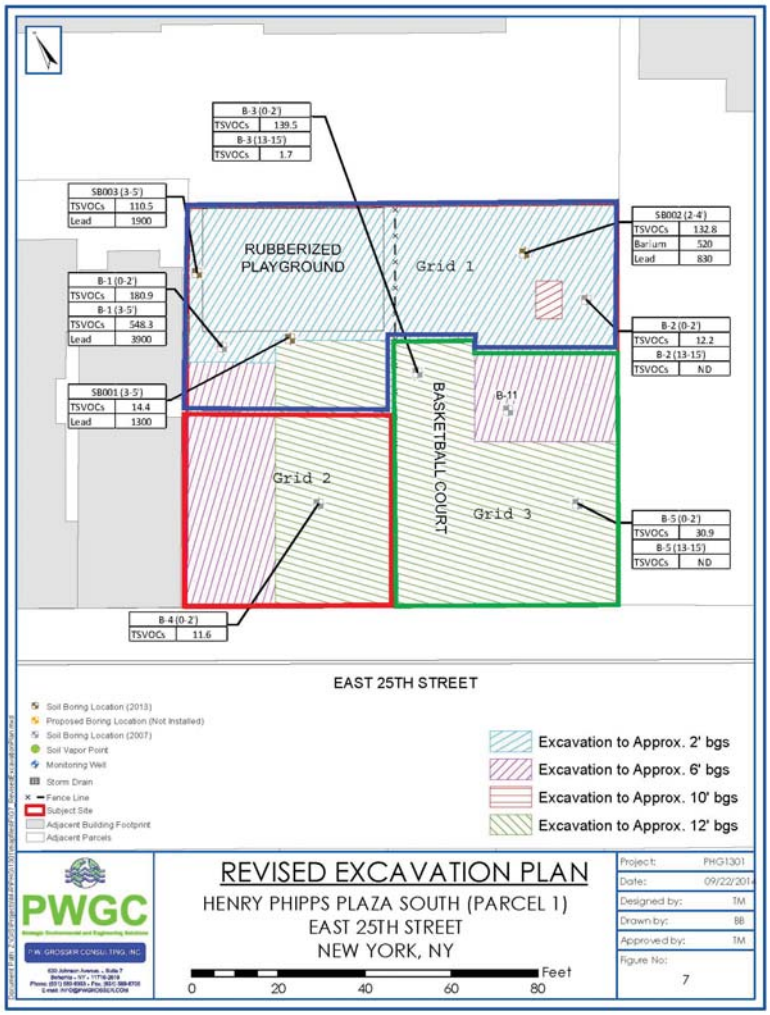
Problems Encountered:
No problems encountered

Planned Activities for Next Week:
Continue soil removal and disposal
Continue installing foundation wall and footings

File Name: 2015-05-19_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	42	840	72	1,440						

Site Grid Map



 File Name: 2015-05-19_15CVCP032M_Daily Report

Photo Log

Photo 1 – Rebar installation	
Photo 2 – Soil shifting	
Photo 3 – Building concrete forms	

File Name: 2015-05-19_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☐	Bright Sun	☒
TEMP.	TO 32	☐	32-50	☐	50-70	☒	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	May 20, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Soil shifting in grids 2 and 3
Building concrete forms and rebar for footing and foundation wall
Backfilling excavation for footing with RCA

Working In Grid #: 1,2,3

Samples Collected (Since Last Report):
No samples collected

Air Monitoring (Since Last Report):
No limits exceeded

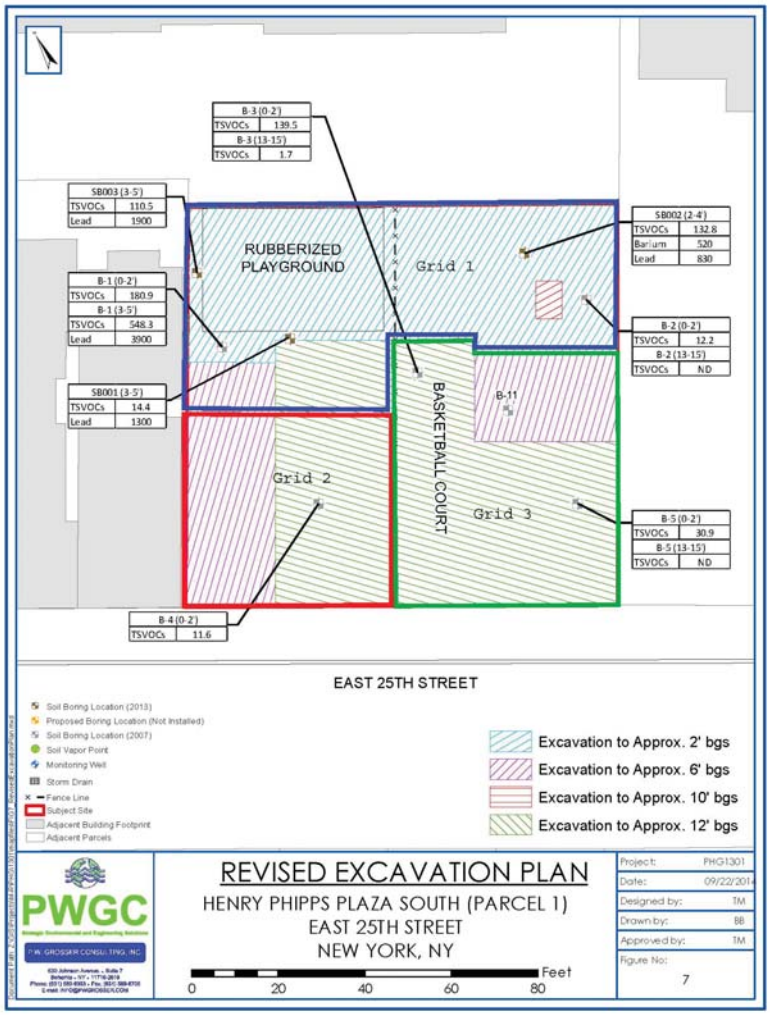
Problems Encountered:
No problems encountered

Planned Activities for Next Week:
Continue soil removal and disposal (3 truckloads Grid 3 8'-12' to Prospect Park, NJ tomorrow)
Continue installing foundation wall and footings

File Name: 2015-05-20_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	42	840	72	1,440						

Site Grid Map



 File Name: 2015-05-20_15CVCP032M_Daily Report

Photo Log

Photo 1 – Backfilling with RCA	
Photo 2 – Soil shifting	
Photo 3 – Building concrete forms	

File Name: 2015-05-20_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☒	Bright Sun	☐
TEMP.	TO 32	☐	32-50	☐	50-70	☒	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	May 21, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Soil shifting in grids 2 and 3
Clean rock removal (2 loads)
Building concrete forms and rebar for footing and foundation wall
Chopping bedrock in grid 3

Working In Grid #: 1,2,3

Samples Collected (Since Last Report):
No samples collected

Air Monitoring (Since Last Report):
No limits exceeded

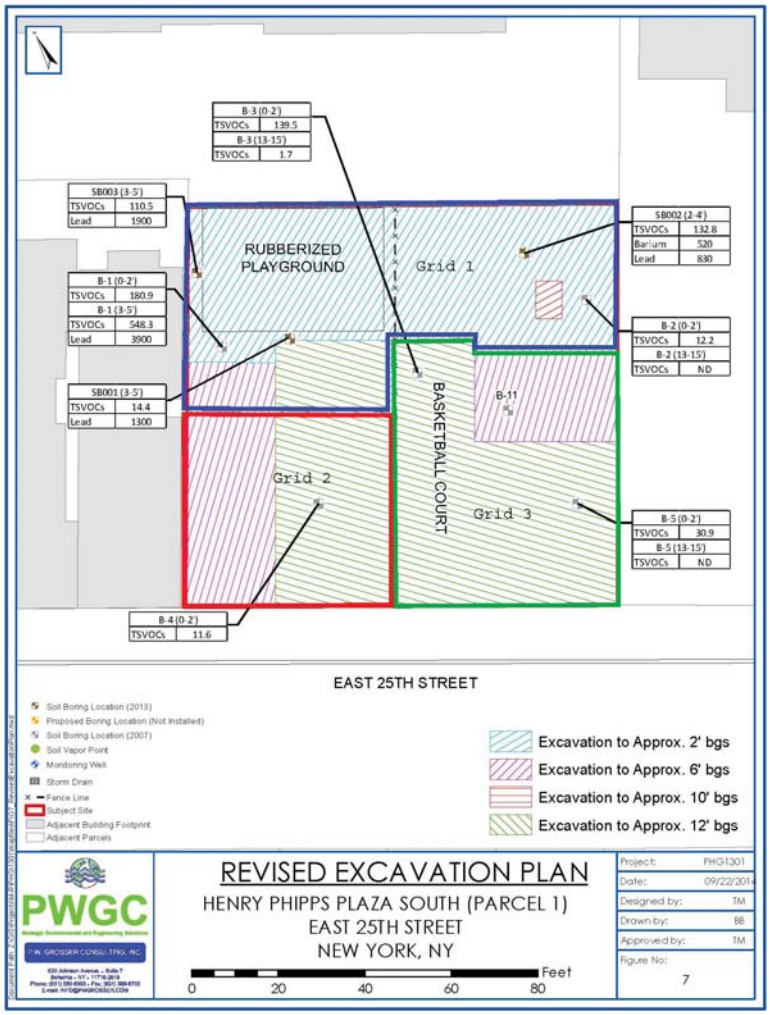
Problems Encountered:
No problems encountered

Planned Activities for Next Week:
Continue soil removal and disposal
Continue installing foundation wall and footings

File Name: 2015-05-21_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	42	840	72	1,440						

Site Grid Map



 File Name: 2015-05-21_15CVCP032M_Daily Report

Photo Log

Photo 1 – Chopping bedrock	
Photo 2 – Soil shifting	
Photo 3 – Building concrete forms	

File Name: 2015-05-21_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☒	Bright Sun	☐
TEMP.	TO 32	☐	32-50	☐	50-70	☒	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	May 22, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Soil shifting in grids 2 and 3
Pouring concrete for northern foundation wall
Building concrete forms and rebar for footing and foundation wall
Chopping bedrock in grid 3

Working In Grid #: 1,2,3

Samples Collected (Since Last Report):
No samples collected

Air Monitoring (Since Last Report):
No limits exceeded

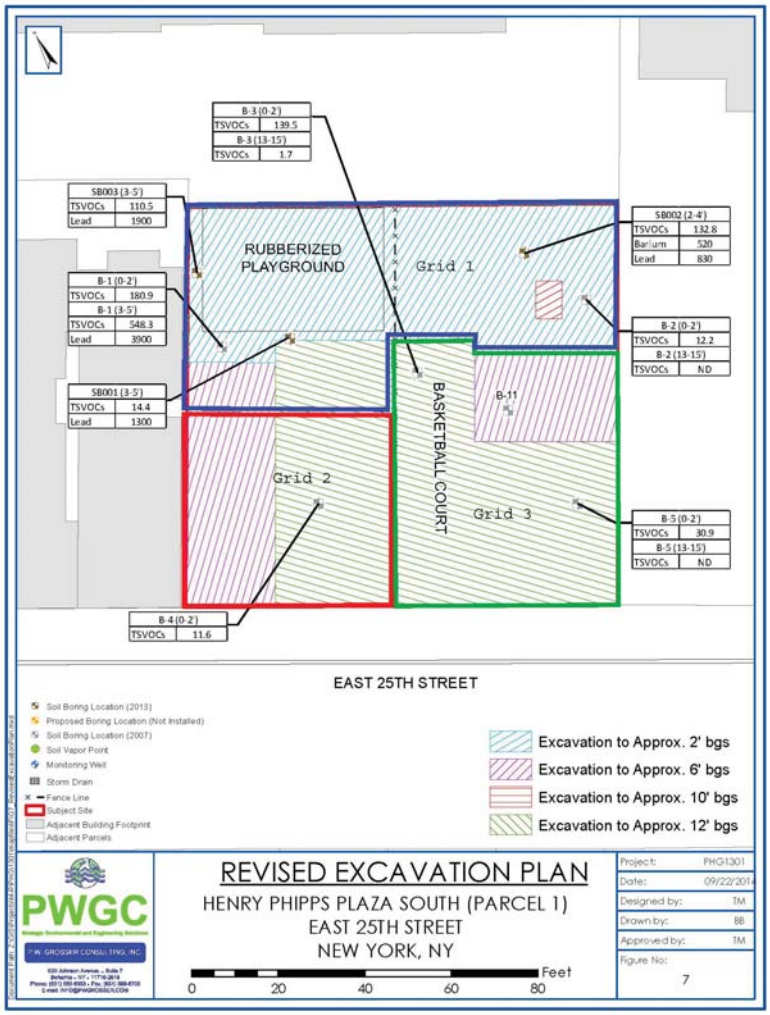
Problems Encountered:
No problems encountered

Planned Activities for Next Week:
Continue soil removal and disposal
Continue installing foundation wall and footings

File Name: 2015-05-22_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	42	840	72	1,440						

Site Grid Map



 File Name: 2015-05-22_15CVCP032M_Daily Report

Photo Log

Photo 1 – Chopping bedrock	
Photo 2 – Soil shifting	
Photo 3 – Concrete delivery	

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☐	Bright Sun	☒
TEMP.	TO 32	☐	32-50	☐	50-70	☒	70-85	☒	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	May 26, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Soil shifting in grids 2 and 3
Stripping concrete forms off northern foundation wall
Building concrete forms and rebar for eastern footing and foundation wall
Chipping bedrock in grid 3

Working In Grid #: 1,2,3

Samples Collected (Since Last Report):
No samples collected

Air Monitoring (Since Last Report):
No limits exceeded

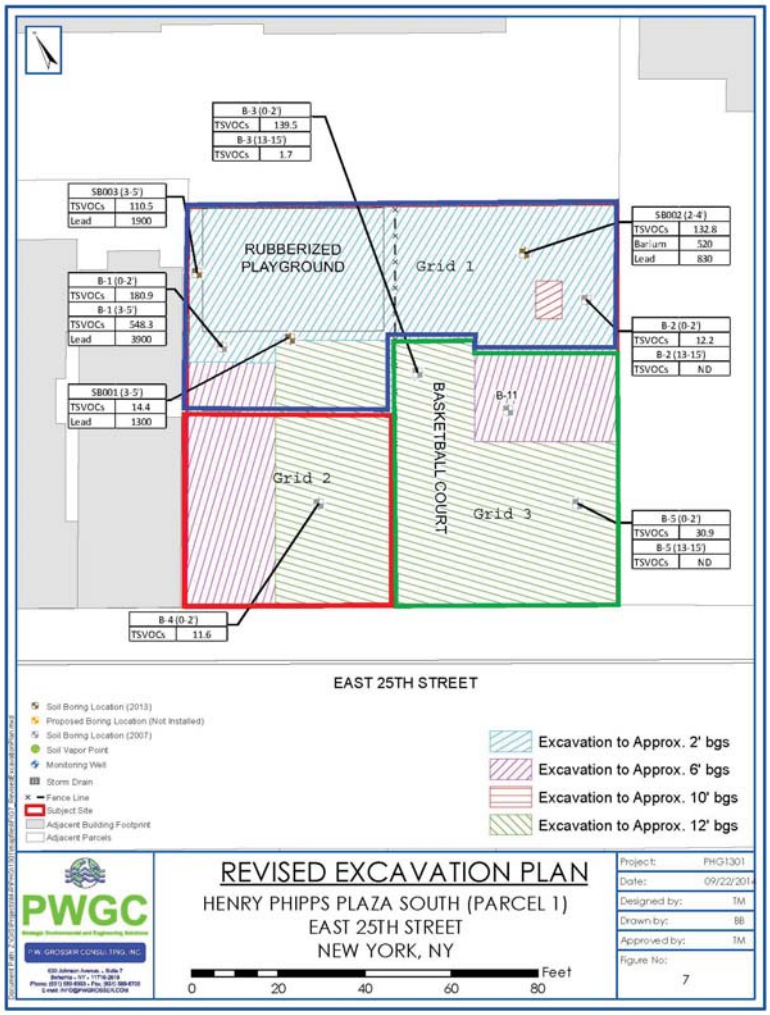
Problems Encountered:
No problems encountered

Planned Activities for Next Week:
Continue soil removal and disposal
Continue installing foundation wall and footings

File Name: 2015-05-26_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	42	840	72	1,440						

Site Grid Map



File Name: 2015-05-26_15CVCP032M_Daily Report

Photo Log

Photo 1 – Building concrete forms	
Photo 2 – Soil shifting	
Photo 3 – Stripping concrete forms	

File Name: 2015-05-26_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☐	Bright Sun	☒
TEMP.	TO 32	☐	32-50	☐	50-70	☐	70-85	☒	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	May 27, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Soil shifting in grids 2 and 3
Stripping concrete forms off northern foundation wall
Building concrete forms and rebar for eastern footing and foundation wall

Working In Grid #: 1,2,3

Samples Collected (Since Last Report):
No samples collected

Air Monitoring (Since Last Report):
No limits exceeded

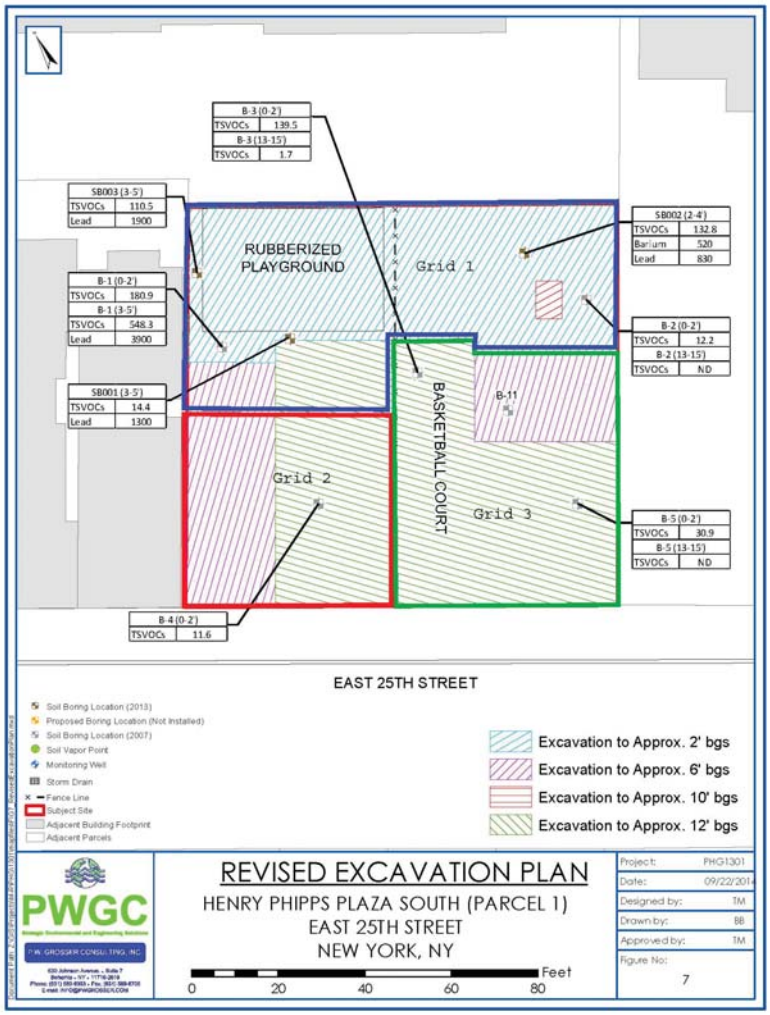
Problems Encountered:
No problems encountered

Planned Activities for Next Week:
Continue soil removal and disposal
Continue installing foundation wall and footings

File Name: 2015-05-27_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	42	840	72	1,440						

Site Grid Map



 File Name: 2015-05-27_15CVCP032M_Daily Report

Photo Log

Photo 1 – Building concrete forms	
Photo 2 – Soil shifting	
Photo 3 – Stripping concrete forms	

File Name: 2015-05-27_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☒	Bright Sun	☐
TEMP.	TO 32	☐	32-50	☐	50-70	☐	70-85	☒	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	May 28, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Soil shifting in grids 2 and 3
Chopping bedrock
Pouring concrete for eastern footing
Installing vapor barrier (Bituthene 4000) on the exterior of the northern footing and foundation wall

Working In Grid #: 1,2,3

Samples Collected (Since Last Report):
No samples collected

Air Monitoring (Since Last Report):
No limits exceeded

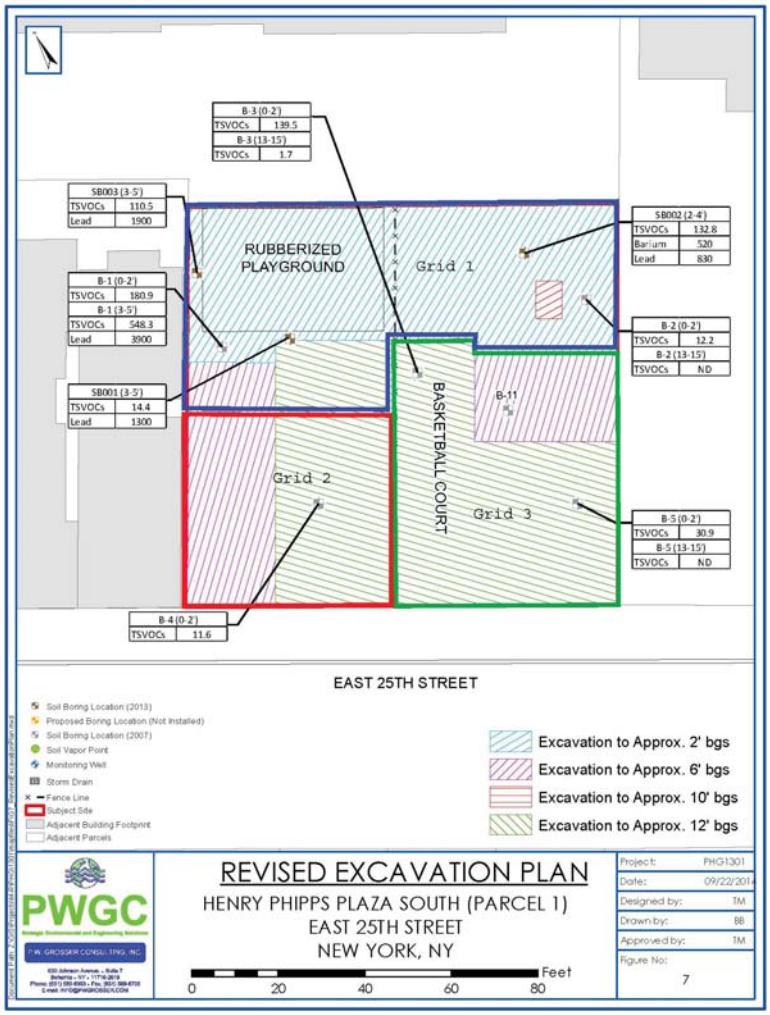
Problems Encountered:
No problems encountered

Planned Activities for Next Week:
Continue soil removal and disposal
Continue installing foundation wall and footings

File Name: 2015-05-28_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	42	840	72	1,440						

Site Grid Map



File Name: 2015-05-28_15CVCP032M_Daily Report

Photo Log

Photo 1 – Chopping bedrock	
Photo 2 – Soil shifting	
Photo 3 – Concrete delivery	

File Name: 2015-05-28_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☐	Bright Sun	☒
TEMP.	TO 32	☐	32-50	☐	50-70	☒	70-85	☒	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	May 29, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Soil shifting in grids 2 and 3
Chopping bedrock
Building forms and rebar for eastern foundation wall
Installing vapor barrier (Bituthene 4000) on the exterior of the northern footing and foundation wall

Working In Grid #: 1,2,3

Samples Collected (Since Last Report):
No samples collected

Air Monitoring (Since Last Report):
No limits exceeded

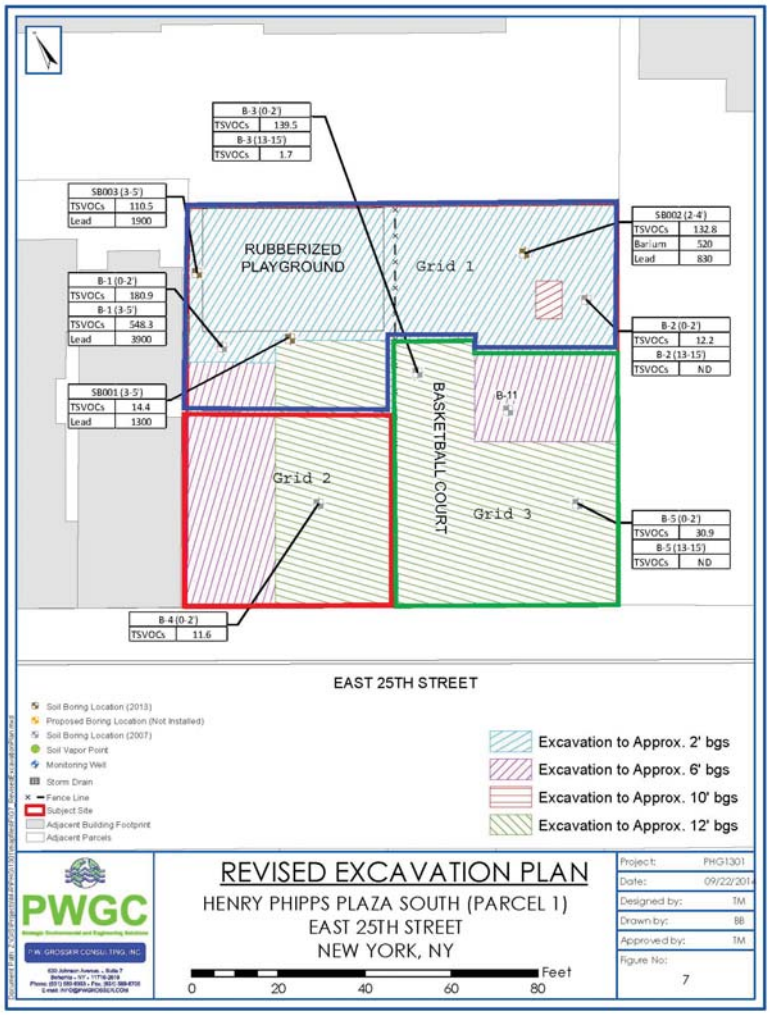
Problems Encountered:
No problems encountered

Planned Activities for Next Week:
Continue soil removal and disposal
Continue installing foundation wall and footings
Continue installing vapor barrier

File Name: 2015-05-29_15CVCP032M_Daily Report

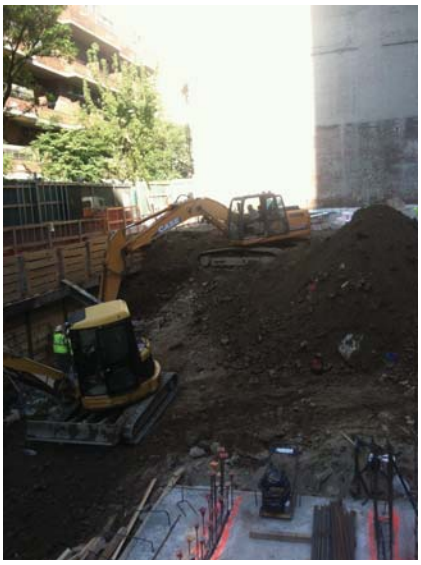
Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	42	840	72	1,440						

Site Grid Map



File Name: 2015-05-29_15CVCP032M_Daily Report

Photo Log

Photo 1 – Chopping bedrock	
Photo 2 – Soil shifting	
Photo 3 – Building forms	

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☒	Overcast	☐	Partly Cloudy	☐	Bright Sun	☐
TEMP.	TO 32	☐	32-50	☐	50-70	☒	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Jun 2, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Soil shifting in grids 2 and 3
Building forms and rebar for eastern foundation wall

Working In Grid #: 1,2,3

Samples Collected (Since Last Report):
No samples collected

Air Monitoring (Since Last Report):
No limits exceeded

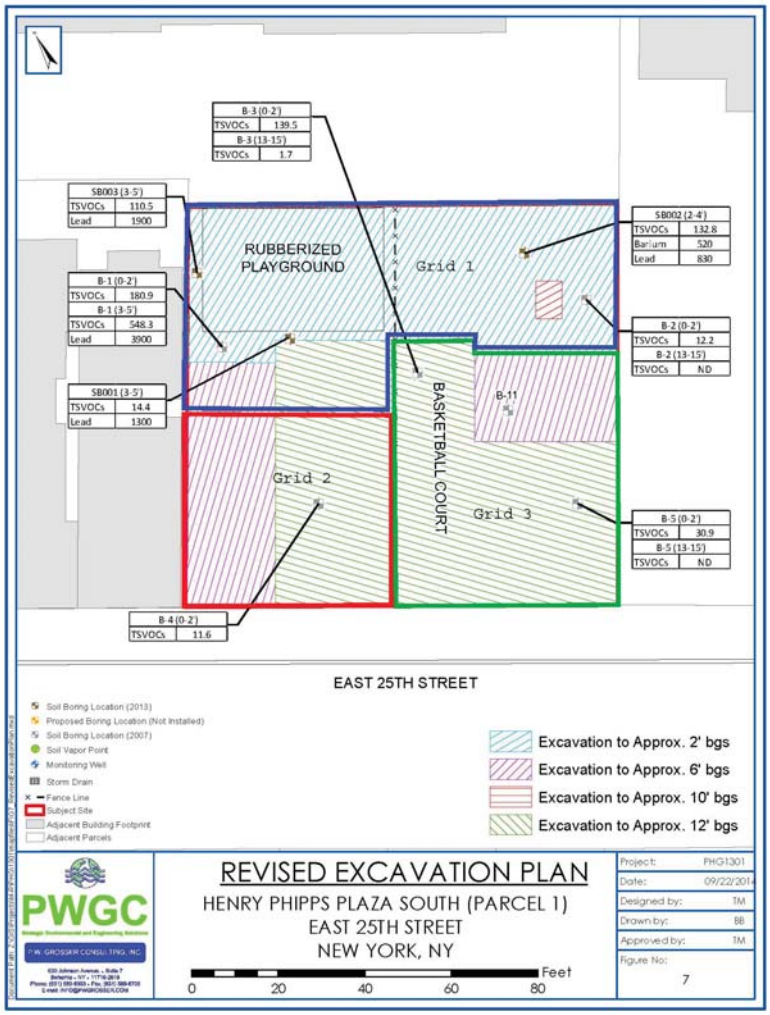
Problems Encountered:
No problems encountered

Planned Activities for Next Week:
Continue soil removal and disposal
Continue installing foundation wall and footings
Continue installing vapor barrier

File Name: 2015-06-02_15CVCP032M_Daily Report

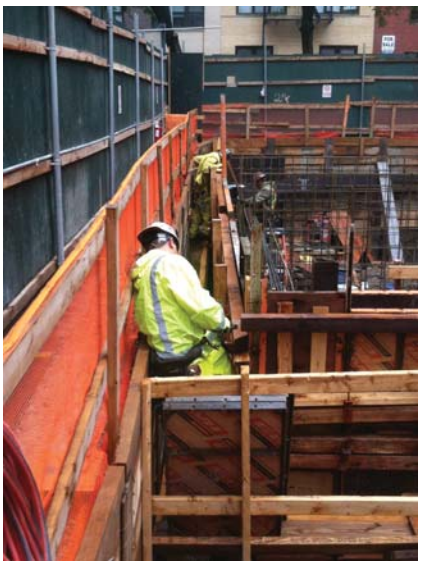
Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	42	840	72	1,440						

Site Grid Map



 File Name: 2015-06-02_15CVCP032M_Daily Report

Photo Log

Photo 1 – Rebar installation	
Photo 2 – Soil shifting	
Photo 3 – Building forms	

File Name: 2015-06-02_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☒	Bright Sun	☐
TEMP.	TO 32	☐	32-50	☐	50-70	☒	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Jun 3, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Soil shifting in grids 2 and 3
Building forms and rebar for eastern foundation wall

Working In Grid #: 1,2,3

Samples Collected (Since Last Report):
No samples collected

Air Monitoring (Since Last Report):
No limits exceeded

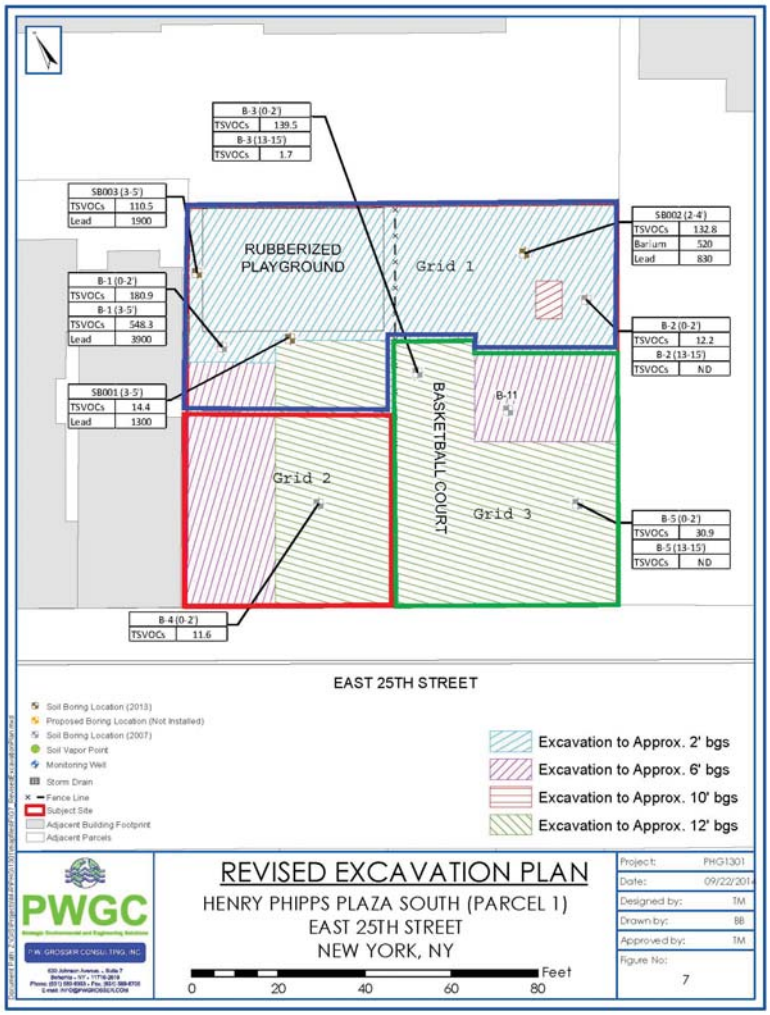
Problems Encountered:
No problems encountered

Planned Activities for Next Week:
Continue soil removal and disposal
Continue installing foundation wall and footings
Continue installing vapor barrier

File Name: 2015-06-03_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	42	840	72	1,440						

Site Grid Map



 File Name: 2015-06-03_15CVCP032M_Daily Report

Photo Log

Photo 1 – Rebar installation	
Photo 2 – Soil shifting	
Photo 3 – Building forms	

File Name: 2015-06-03_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☒	Bright Sun	☐
TEMP.	TO 32	☐	32-50	☐	50-70	☒	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Jun 4, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Soil shifting in grid 2
Building forms and rebar for eastern foundation wall
Installing vapor barrier (Bituthene 4000) on the outside of the north foundation wall and footing

Working In Grid #: 1,2,3

Samples Collected (Since Last Report):
No samples collected

Air Monitoring (Since Last Report):
No limits exceeded

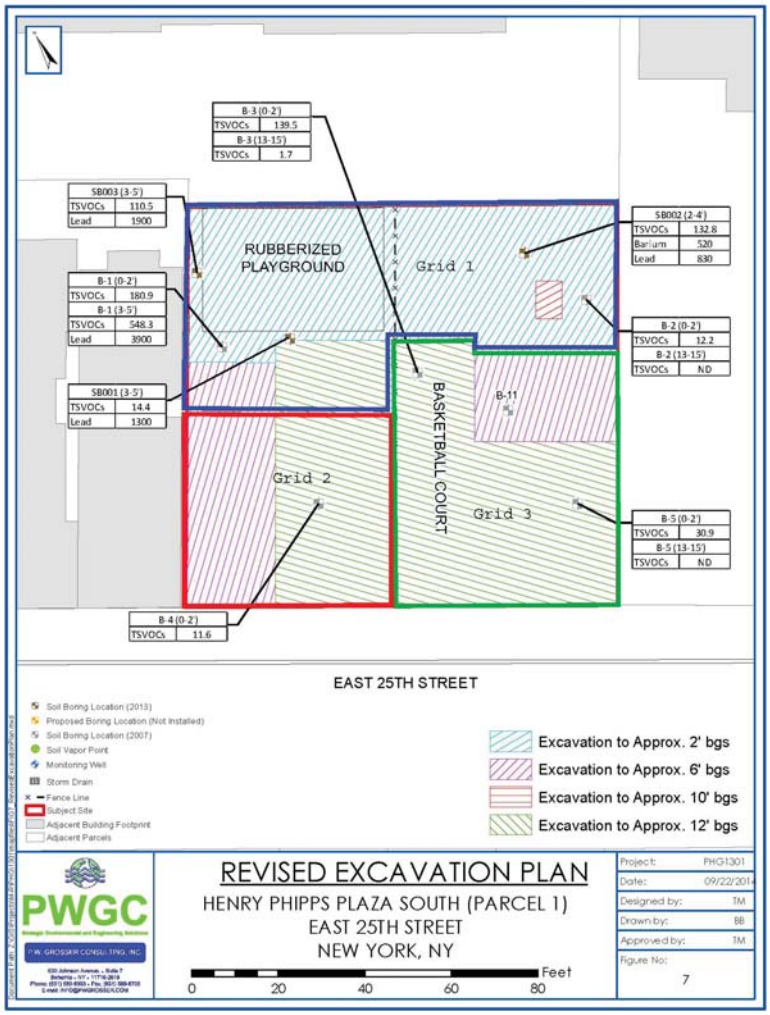
Problems Encountered:
No problems encountered

Planned Activities for Next Week:
Continue soil removal and disposal
Continue installing foundation wall and footings
Continue installing vapor barrier

File Name: 2015-06-04_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	42	840	72	1,440						

Site Grid Map



 File Name: 2015-06-04_15CVCP032M_Daily Report

Photo Log

Photo 1 – Rebar installation	
Photo 2 – Soil shifting	
Photo 3 – Building forms	

File Name: 2015-06-04_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Ryan Morley

WEATHER	Snow	☐	Rain	☐	Overcast	☒	Partly Cloudy	☐	Bright Sun	☐
TEMP.	TO 32	☐	32-50	☐	50-70	☒	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Jun 5, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Ryan Morley
Contractor:	
Monodnock Construction, Inc.	

Work Activities Performed (Since Last Report):

6 Deliveries of clean fill material from Durante Bros. was unloaded on site. (18 cu. yds. each)
Constructed concrete forms for foundation walls on eastern side of site.

Working In Grid #: 1, 2, 3

Samples Collected (Since Last Report):

None

Air Monitoring (Since Last Report):

No limits Exceeded

Problems Encountered:

None

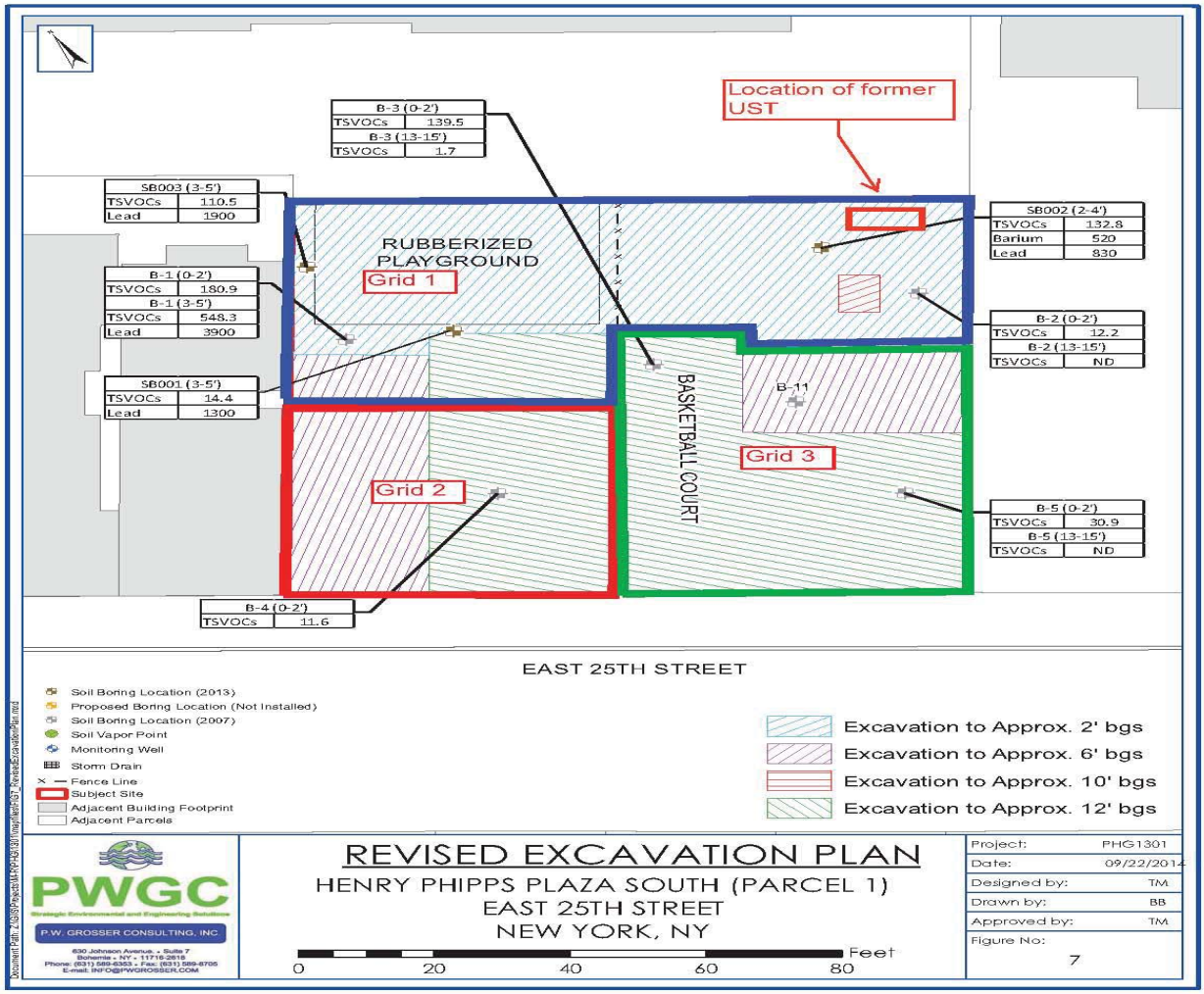
Planned Activities for Next Week:

Continue importing clean fill.
continue installing concrete forms for foundation walls.

File Name: 2015-06-05_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	42	840	72	1,440						

Site Grid Map



File Name: 2015-06-05_15CVCP032M_Daily Report

Photo Log

Photo 1 – View of eastern side of the site.	
Photo 2 – View of vapor barrier on northern portion of the site.	
Photo 3 – View of clean fill being delivered to the site.	

File Name: 2015-06-05_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☒	Partly Cloudy	☐	Bright Sun	☐
TEMP.	TO 32	☐	32-50	☐	50-70	☒	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Jun 6, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Usman Chaudry
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Clean soil delivery (12 trucks, 236 yards) and backfilling in grid 1 against north foundation wall
Compacting backfilled soil
Building forms and rebar for eastern foundation wall

Working In Grid #: 1,2,3

Samples Collected (Since Last Report):
No samples collected

Air Monitoring (Since Last Report):
No limits exceeded

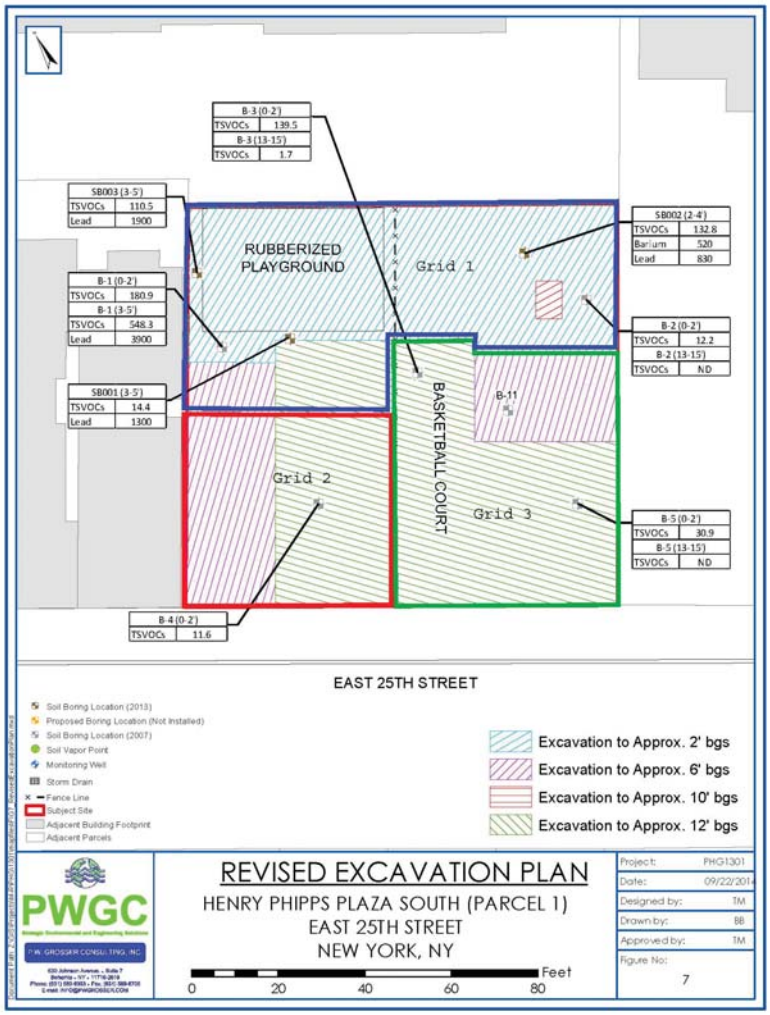
Problems Encountered:
No problems encountered

Planned Activities for Next Week:
Continue clean soil delivery and backfilling
Continue installing foundation wall and footings
Continue installing vapor barrier

File Name: 2015-06-06_15CVCP032M_Daily Report

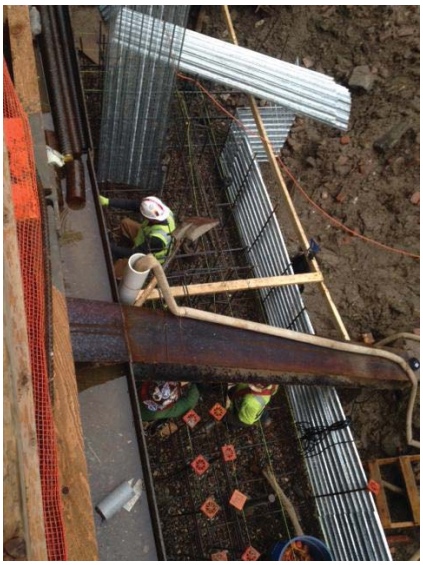
Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	42	840	72	1,440						

Site Grid Map



 File Name: 2015-06-06_15CVCP032M_Daily Report

Photo Log

Photo 1 – Rebar installation	
Photo 2 – Backfilling with clean soil	
Photo 3 – Clean soil delivery	

File Name: 2015-06-06_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☒	Bright Sun	☐
TEMP.	TO 32	☐	32-50	☐	50-70	☒	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Jun 8, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Concrete pouring for eastern foundation wall and south footing
Soil shifting in grids 1 and 2
Continue adding styrofoam protection board and liquid membrane seal to vapor barrier along north foundation wall

Working In Grid #: 1,2,3

Samples Collected (Since Last Report):
No samples collected

Air Monitoring (Since Last Report):
No limits exceeded

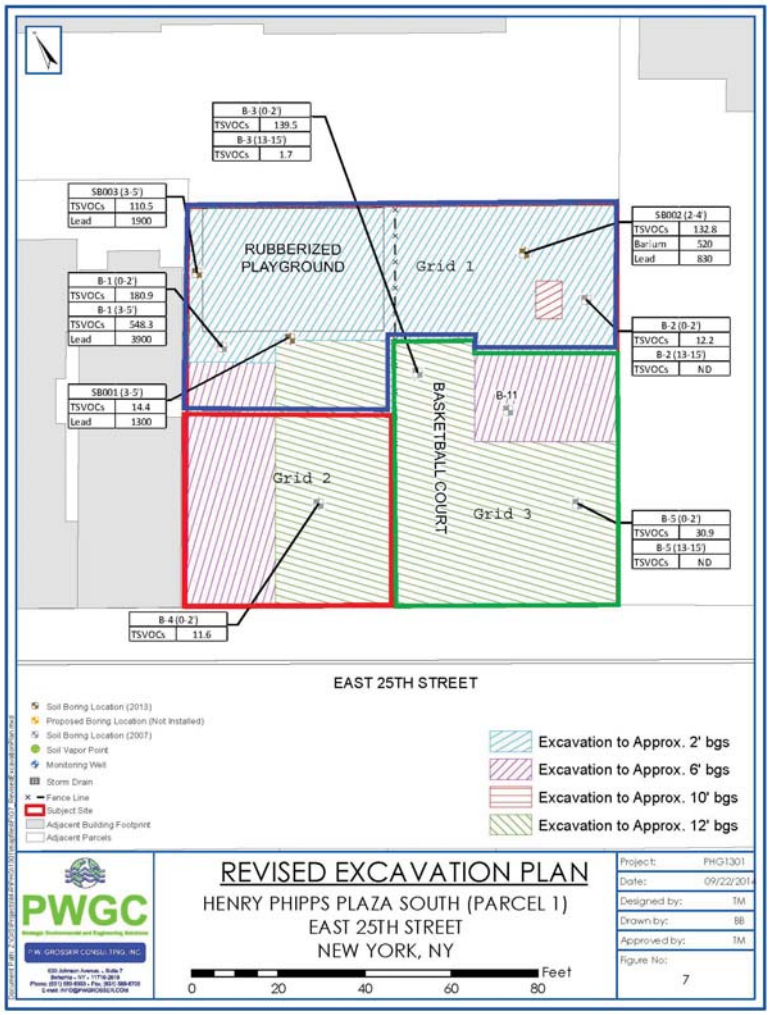
Problems Encountered:
No problems encountered

Planned Activities for Next Week:
Continue clean soil delivery and backfilling
Continue installing foundation wall and footings
Continue installing vapor barrier

File Name: 2015-06-08_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	42	840	72	1,440						

Site Grid Map



 File Name: 2015-06-08_15CVCP032M_Daily Report

Photo Log

Photo 1 – Concrete delivery	
Photo 2 – Concrete pouring	
Photo 3 – Soil shifting	

File Name: 2015-06-08_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☒	Bright Sun	☐
TEMP.	TO 32	☐	32-50	☐	50-70	☒	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Jun 9, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Soil shifting in grids 1 and 2
Clean fill delivery (11 loads) from Durante Bros Construction facility
Continue installing vapor barrier along north foundation wall and footing
Stripping forms from east foundation wall and building forms for south foundation wall

Working In Grid #: 1,2,3

Samples Collected (Since Last Report):
No samples collected

Air Monitoring (Since Last Report):
No limits exceeded

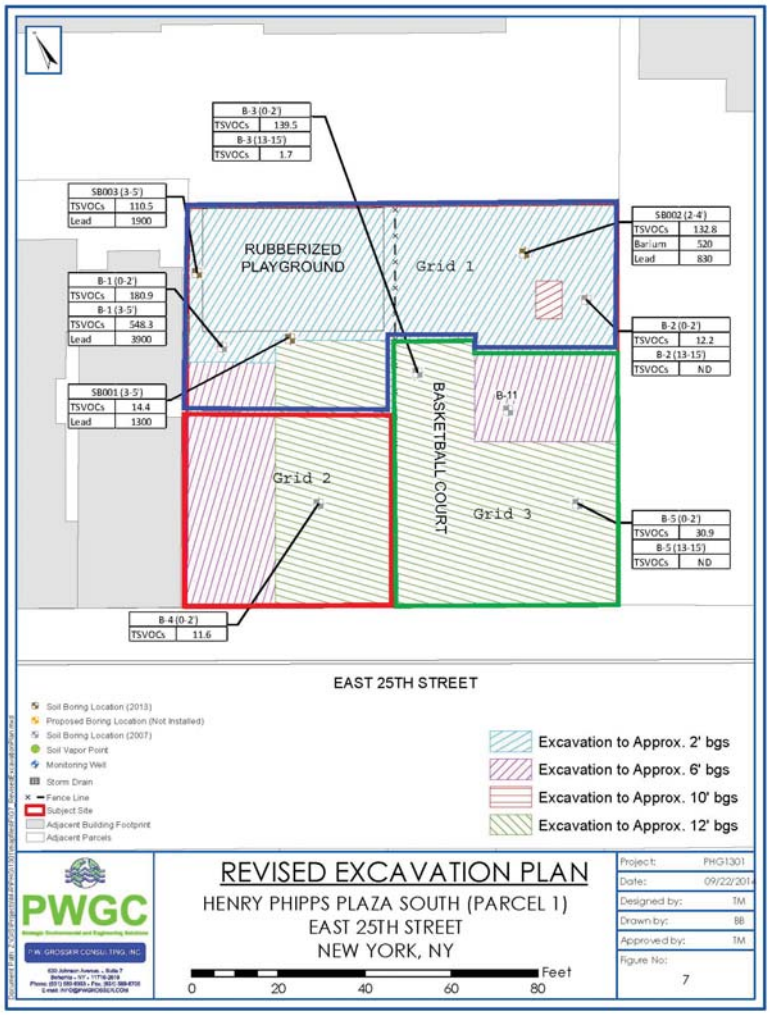
Problems Encountered:
No problems encountered

Planned Activities for Next Week:
Continue clean soil delivery and backfilling
Continue installing foundation wall and footings
Continue installing vapor barrier

File Name: 2015-06-09_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	42	840	72	1,440						

Site Grid Map



 File Name: 2015-06-09_15CVCP032M_Daily Report

Photo Log

Photo 1 – Clean fill delivery	
Photo 2 – Install vapor barrier and styrofoam board	
Photo 3 – Soil shifting	

File Name: 2015-06-09_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☐	Bright Sun	☒
TEMP.	TO 32	☐	32-50	☐	50-70	☒	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Jun 10, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):

Soil shifting in grids 1 and 2
Begin installing vapor barrier along eastern foundation wall and footing
Stripping forms from east foundation wall and building forms for south foundation wall and central footing

Working In Grid #: 1,2,3

Samples Collected (Since Last Report):

No samples collected

Air Monitoring (Since Last Report):

No limits exceeded

Problems Encountered:

No problems encountered

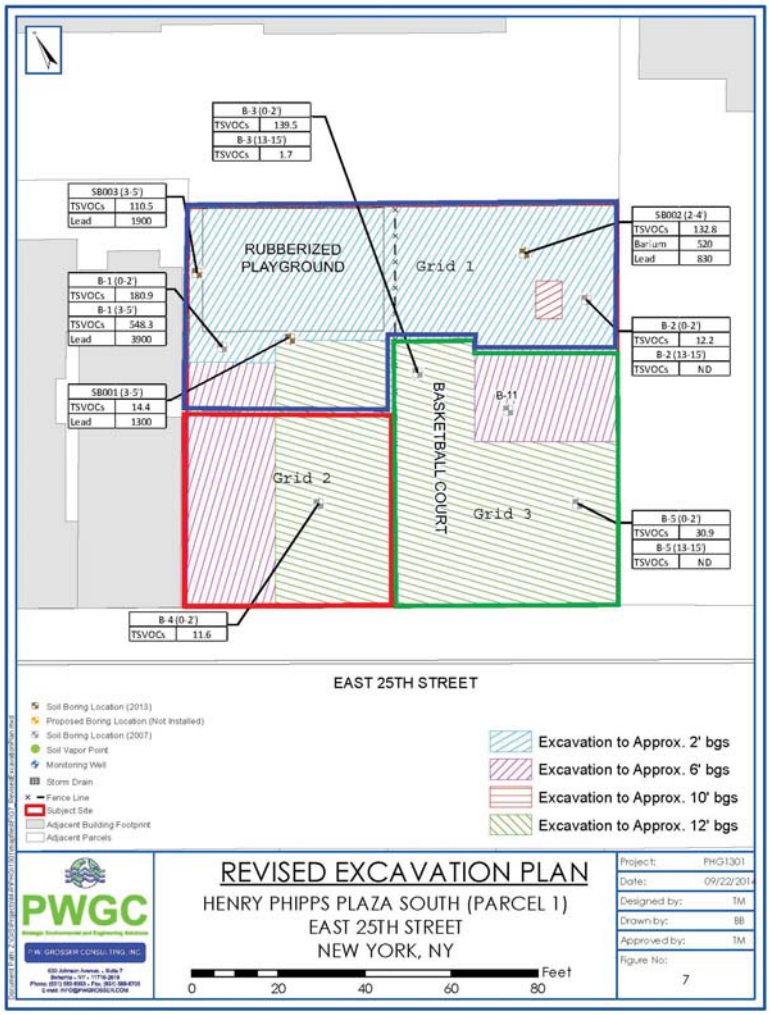
Planned Activities for Next Week:

Continue clean soil delivery and backfilling
Continue installing foundation wall and footings
Continue installing vapor barrier

File Name: 2015-06-10_15CVCP032M_Daily Report

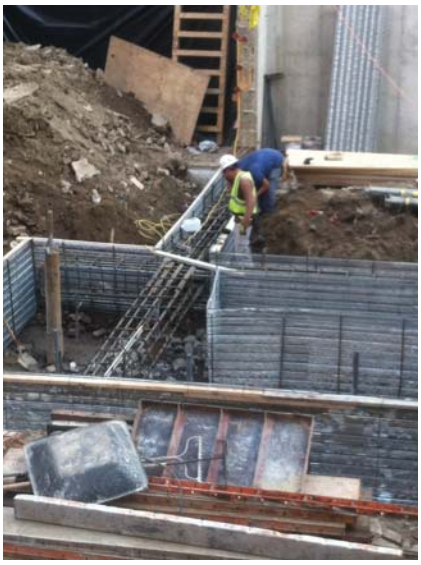
Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	42	840	72	1,440						

Site Grid Map



 File Name: 2015-06-10_15CVCP032M_Daily Report

Photo Log

Photo 1 – Stripping forms	
Photo 2 – Install forms and rebar	
Photo 3 – Soil shifting	

File Name: 2015-06-10_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☐	Bright Sun	☒
TEMP.	TO 32	☐	32-50	☐	50-70	☐	70-85	☒	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Jun 11, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Soil shifting in grids 1 and 2
Continue installing vapor barrier along eastern foundation wall and footing
Stripping forms from east foundation wall and building forms/rebar for south foundation wall and central footing

Working In Grid #: 1,2,3

Samples Collected (Since Last Report):
No samples collected

Air Monitoring (Since Last Report):
No limits exceeded

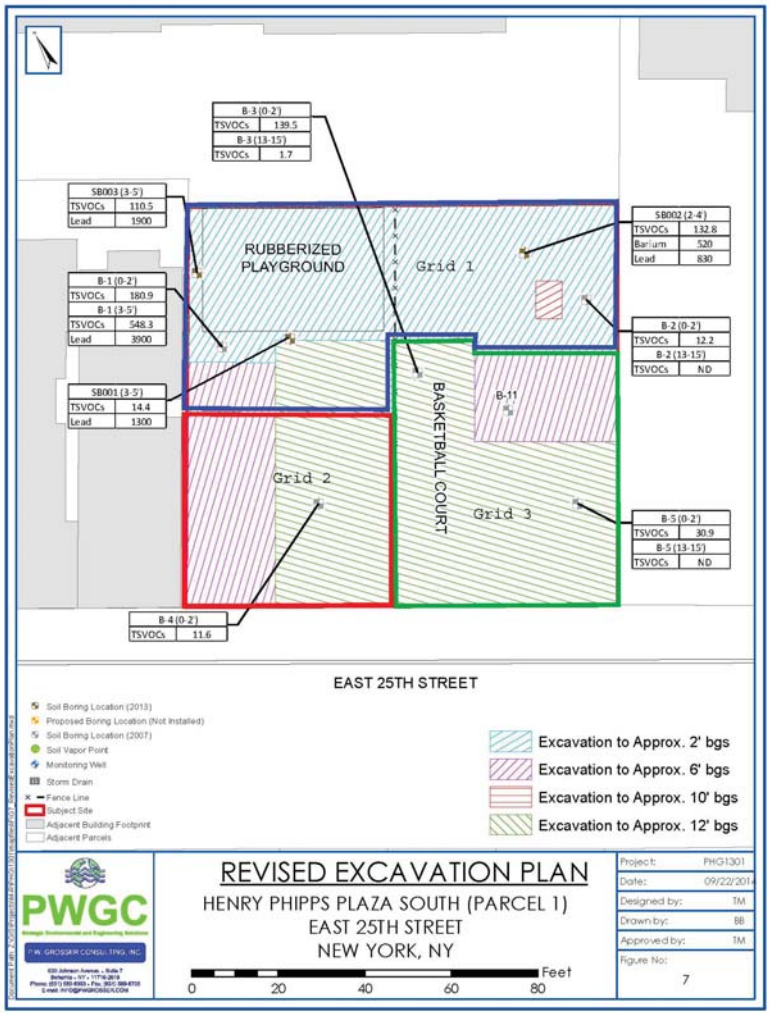
Problems Encountered:
No problems encountered

Planned Activities for Next Week:
Continue clean soil delivery and backfilling
Continue installing foundation wall and footings
Continue installing vapor barrier

File Name: 2015-06-11_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	42	840	72	1,440						

Site Grid Map



 File Name: 2015-06-11_15CVCP032M_Daily Report

Photo Log

Photo 1 – Installing vapor barrier	
Photo 2 – Install forms and rebar	
Photo 3 – Soil shifting	

File Name: 2015-06-11_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☐	Bright Sun	☒
TEMP.	TO 32	☐	32-50	☐	50-70	☐	70-85	☒	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Jun 12, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Soil shifting in grids 1 and 2
Building forms/rebar for south foundation wall
Pouring concrete for central footing and south foundation wall

Working In Grid #: 1,2,3

Samples Collected (Since Last Report):
No samples collected

Air Monitoring (Since Last Report):
No limits exceeded

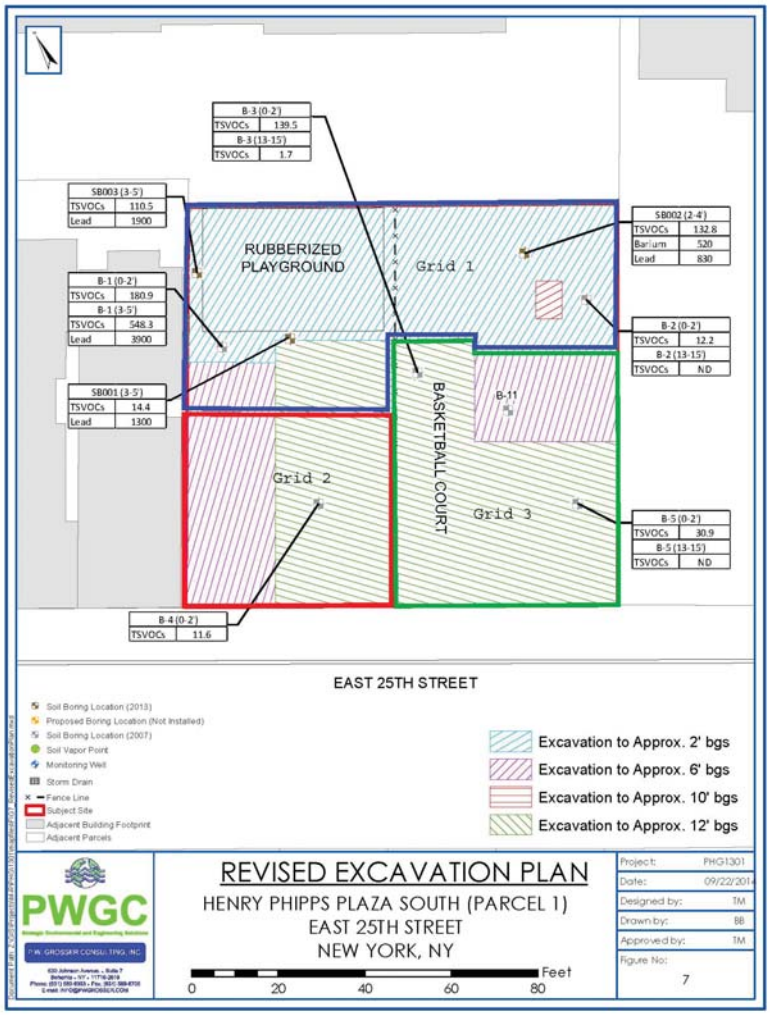
Problems Encountered:
No problems encountered

Planned Activities for Next Week:
Continue clean soil delivery and backfilling
Continue installing foundation wall and footings
Continue installing vapor barrier

File Name: 2015-06-12_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	42	840	72	1,440						

Site Grid Map



 File Name: 2015-06-12_15CVCP032M_Daily Report

Photo Log

Photo 1 – Pouring concrete	
Photo 2 – Install forms and rebar	
Photo 3 – Soil shifting	

File Name: 2015-06-12_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☒	Bright Sun	☐
TEMP.	TO 32	☐	32-50	☐	50-70	☐	70-85	☒	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Jun 13, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant: P.W. Grosser Consulting	Safety Officer: Michael Gaul
Contractor: Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Soil shifting in grid 2
Building forms/rebar for central foundation wall
Stripping forms from eastern foundation wall

Working In Grid #: 1,2,3

Samples Collected (Since Last Report):
No samples collected

Air Monitoring (Since Last Report):
No limits exceeded

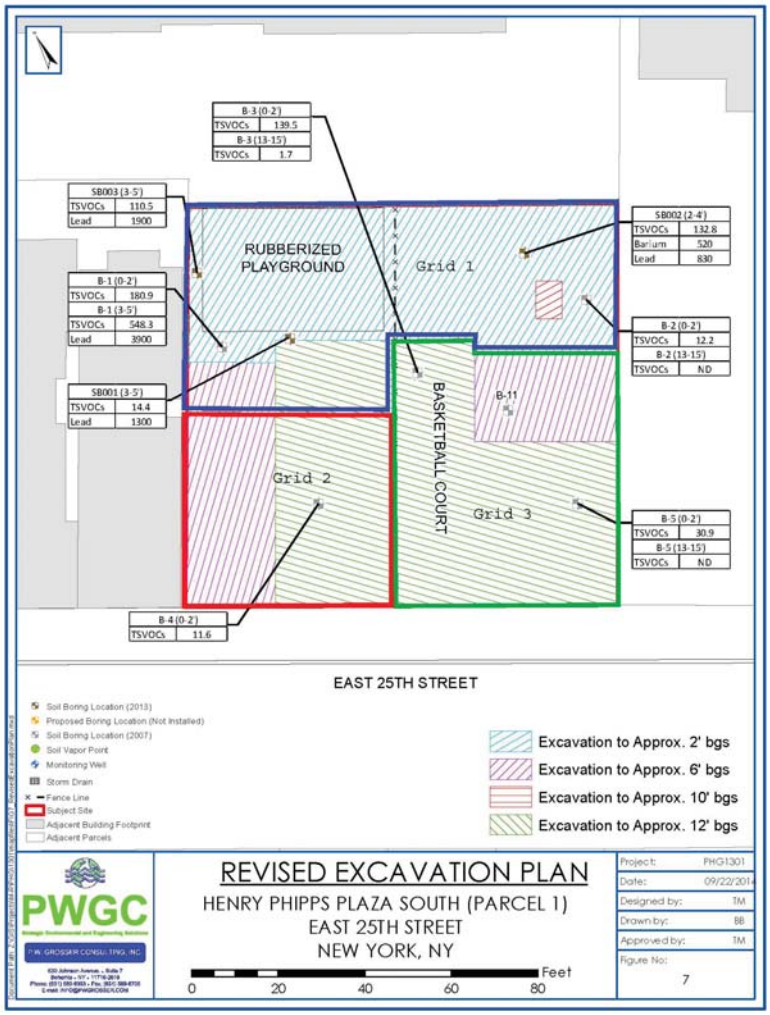
Problems Encountered:
No problems encountered

Planned Activities for Next Week:
Continue clean soil delivery and backfilling
Continue installing foundation wall and footings
Continue installing vapor barrier

File Name: 2015-06-13_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	42	840	72	1,440						

Site Grid Map



 File Name: 2015-06-13_15CVCP032M_Daily Report

Photo Log

Photo 1 – Stripping forms	
Photo 2 – Install forms and rebar	
Photo 3 – Soil shifting	

File Name: 2015-06-13_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☒	Overcast	☐	Partly Cloudy	☒	Bright Sun	☐
TEMP.	TO 32	☐	32-50	☐	50-70	☒	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Jun 15, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Soil shifting in grids 2 and 3
Building forms/rebar for central foundation wall

Working In Grid #: 1,2,3

Samples Collected (Since Last Report):
No samples collected

Air Monitoring (Since Last Report):
No limits exceeded

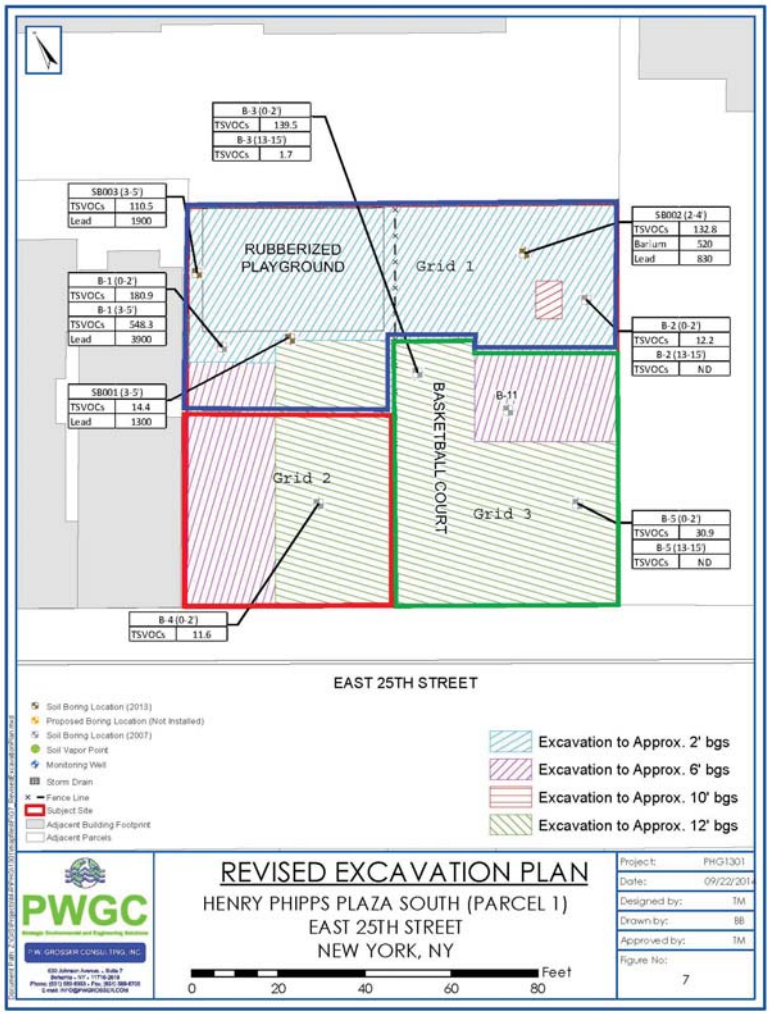
Problems Encountered:
No problems encountered

Planned Activities for Next Week:
Continue clean soil delivery and backfilling
Continue installing foundation wall and footings
Continue installing vapor barrier

File Name: 2015-06-15_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	42	840	72	1,440						

Site Grid Map



 File Name: 2015-06-15_15CVCP032M_Daily Report

Photo Log

Photo 1 – Transporting materials within site	
Photo 2 – Install forms and rebar	
Photo 3 – Soil shifting	

File Name: 2015-06-15_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☒	Bright Sun	☐
TEMP.	TO 32	☐	32-50	☐	50-70	☒	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Jun 16, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Soil shifting in grid 2
Building forms/rebar for central foundation wall and elevator mat
Pouring concrete for elevator mat and central foundation wall
Stripping forms from eastern and southern foundation walls

Working In Grid #: 1,2,3

Samples Collected (Since Last Report):
No samples collected

Air Monitoring (Since Last Report):
No limits exceeded

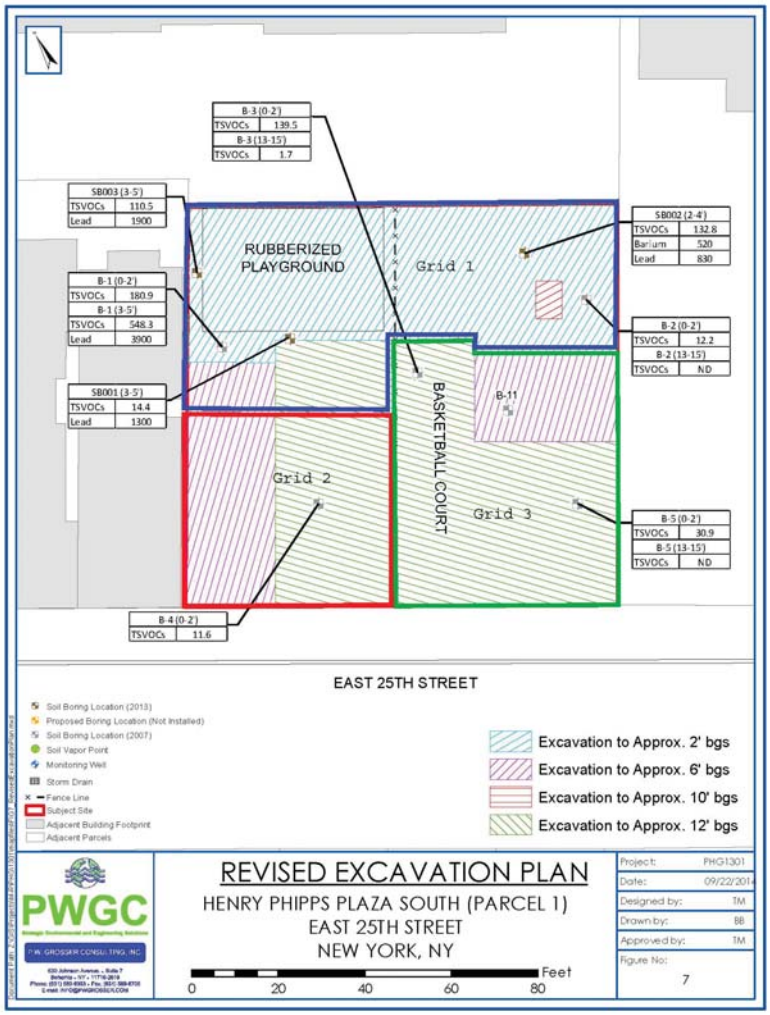
Problems Encountered:
No problems encountered

Planned Activities for Next Week:
Continue clean soil delivery and backfilling
Continue installing foundation wall and footings
Continue installing vapor barrier

File Name: 2015-06-16_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	42	840	72	1,440						

Site Grid Map



 File Name: 2015-06-16_15CVCP032M_Daily Report

Photo Log

Photo 1 – Pouring concrete	
Photo 2 – Build forms and rebar	
Photo 3 – Soil shifting	

File Name: 2015-06-16_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☐	Bright Sun	☒
TEMP.	TO 32	☐	32-50	☐	50-70	☐	70-85	☒	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Jun 17, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Soil shifting in grids 1 and 2
Vapor barrier installation on south and west interior walls of northeast crawl space
Backfilling northeast crawl space
Stripping forms from central foundation walls

Working In Grid #: 1,2,3

Samples Collected (Since Last Report):
No samples collected

Air Monitoring (Since Last Report):
No limits exceeded

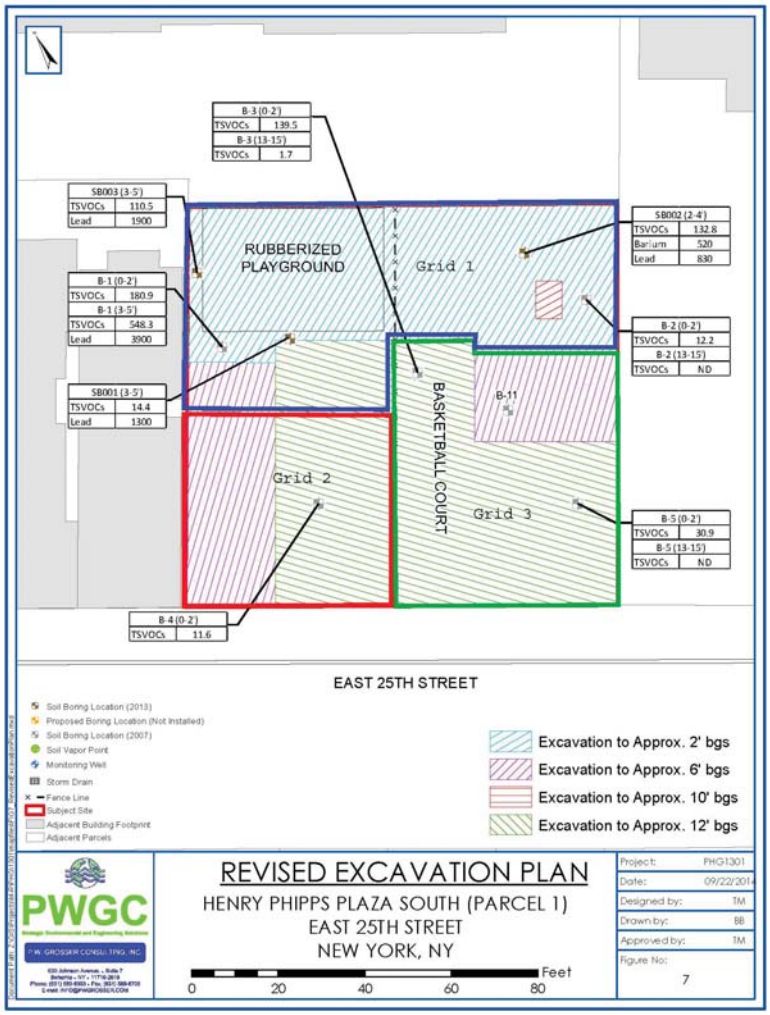
Problems Encountered:
No problems encountered

Planned Activities for Next Week:
Continue clean soil delivery and backfilling
Continue installing foundation wall and footings
Continue installing vapor barrier

File Name: 2015-06-17_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	42	840	72	1,440						

Site Grid Map



 File Name: 2015-06-17_15CVCP032M_Daily Report

Photo Log

Photo 1 – Install vapor barrier	
Photo 2 – Build forms and rebar	
Photo 3 – Soil shifting	

File Name: 2015-06-17_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☒	Partly Cloudy	☒	Bright Sun	☐
TEMP.	TO 32	☐	32-50	☐	50-70	☒	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Jun 18, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Soil shifting in grids 1, 2 and 3
Continuation of vapor barrier installation on exterior of eastern foundation wall
Backfilling northeast crawl space
Compacting soil in northeast crawl space

Working In Grid #: 1,2,3

Samples Collected (Since Last Report):
No samples collected

Air Monitoring (Since Last Report):
No limits exceeded

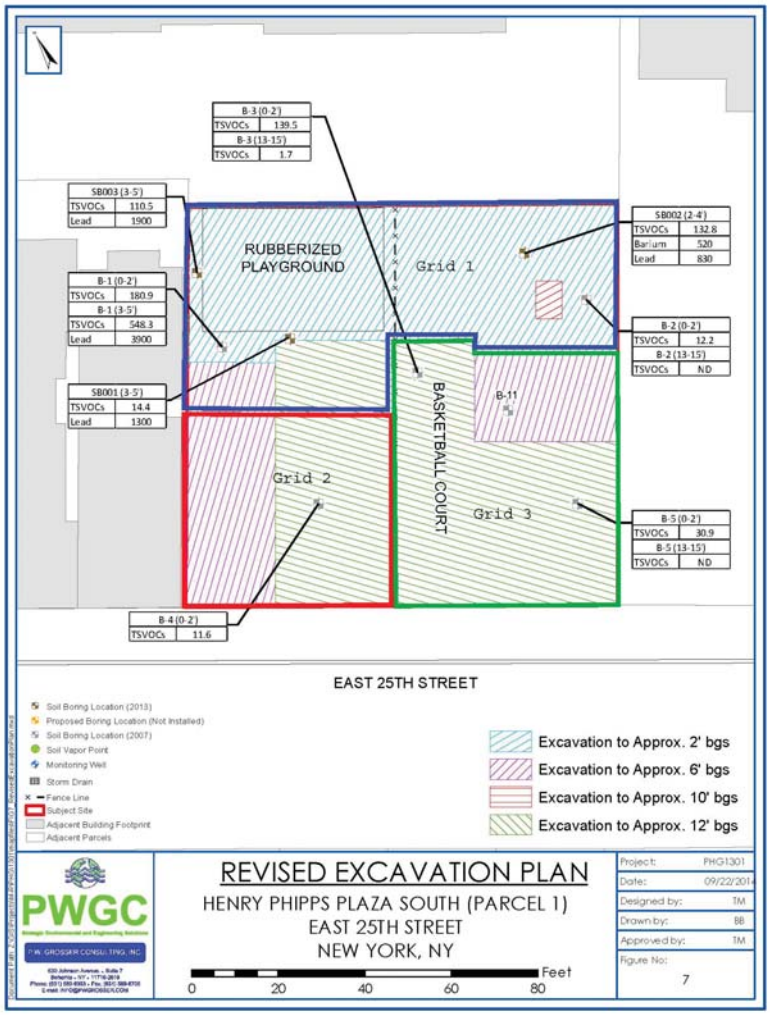
Problems Encountered:
No problems encountered

Planned Activities for Next Week:
Continue clean soil delivery and backfilling
Continue installing foundation wall and footings
Continue installing vapor barrier

File Name: 2015-06-18_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	42	840	72	1,440						

Site Grid Map



 File Name: 2015-06-18_15CVCP032M_Daily Report

Photo Log

Photo 1 – Install vapor barrier	
Photo 2 – Spreading backfilled soil in crawl space	
Photo 3 – Soil shifting	

File Name: 2015-06-18_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☒	Overcast	☐	Partly Cloudy	☐	Bright Sun	☒
TEMP.	TO 32	☐	32-50	☐	50-70	☒	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Jun 19, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	John Danko
Contractor:	
Monodnock Construction, Inc.	

Work Activities Performed (Since Last Report):
-Excavate and truck soil from Grid #3 to P.Park/
-Level previously delivered RCA in grid #2 for future vapor barrier installation/
-Install vapor barrier along exterior of foundation wall in grid #2/
-Lay demarcation netting over soils in grid #1/

Working In Grid #: 1, 2, 3

Samples Collected (Since Last Report):
None

Air Monitoring (Since Last Report):
No limits Exceeded

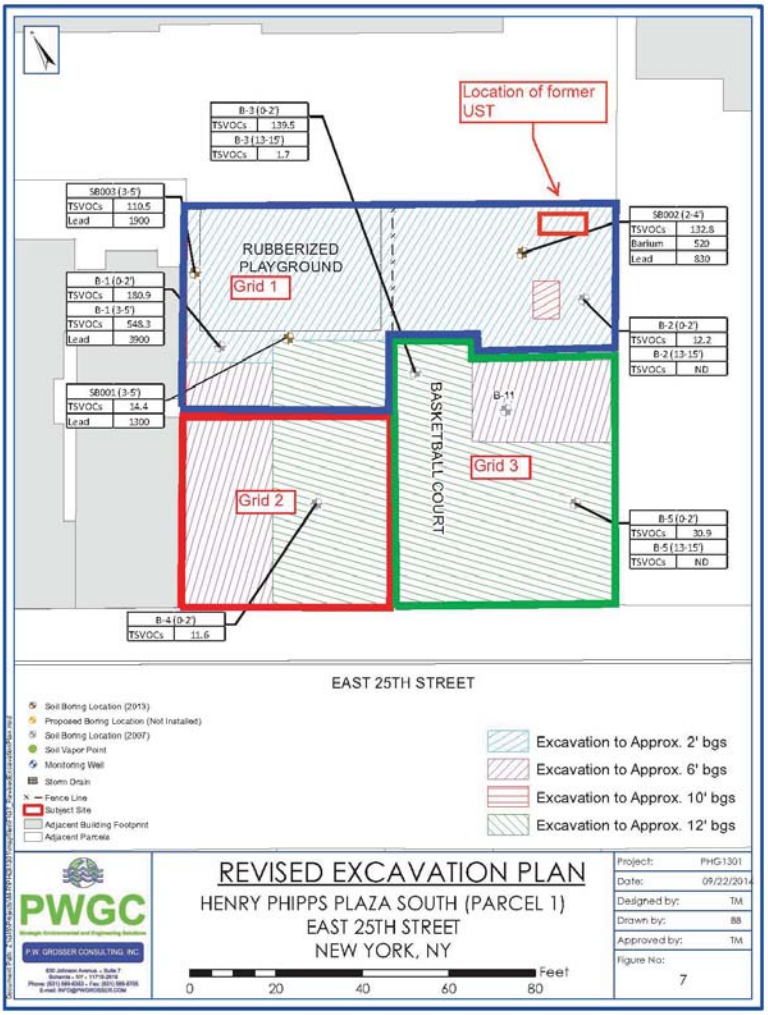
Problems Encountered:
None

Planned Activities for Next Week:
-Continue to excavate and truck soils from Grid #3 to P.Park.
-Continue to install vapor barrier.

File Name: 2015-06-19_15CVCP032M_Daily Report

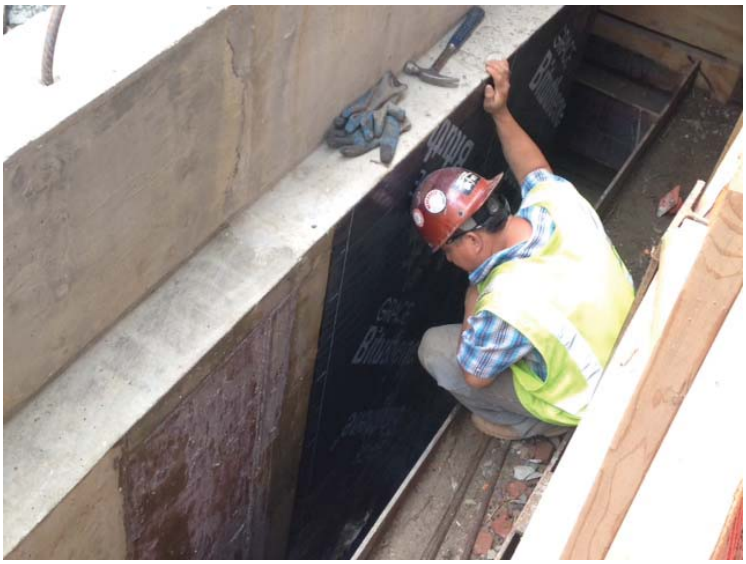
Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	21	420	24	480	6	180				

Site Grid Map



File Name: 2015-06-19_15CVCP032M_Daily Report

Photo Log

Photo 1 – View of Grid #3 soil being loaded for removal.	
Photo 2 – View of vapor barrier installation along exterior foundation wall of grid #2.	
Photo 3 – View of contractor cleaning the sidewalk and street after trucking was completed.	

File Name: 2015-06-19_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☐	Bright Sun	☒
TEMP.	TO 32	☐	32-50	☐	50-70	☐	70-85	☒	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Jun 22, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):

Soil shifting in grids 2 and 3
Soil removal (6 loads grid 3 (8'-12'))
Continuation of vapor barrier installation on exterior of eastern foundation wall
Vapor barrier installation (Preprufe) on soil within northeast crawl space

Working In Grid #: 1,2,3

Samples Collected (Since Last Report):

No samples collected

Air Monitoring (Since Last Report):

No limits exceeded

Problems Encountered:

No problems encountered

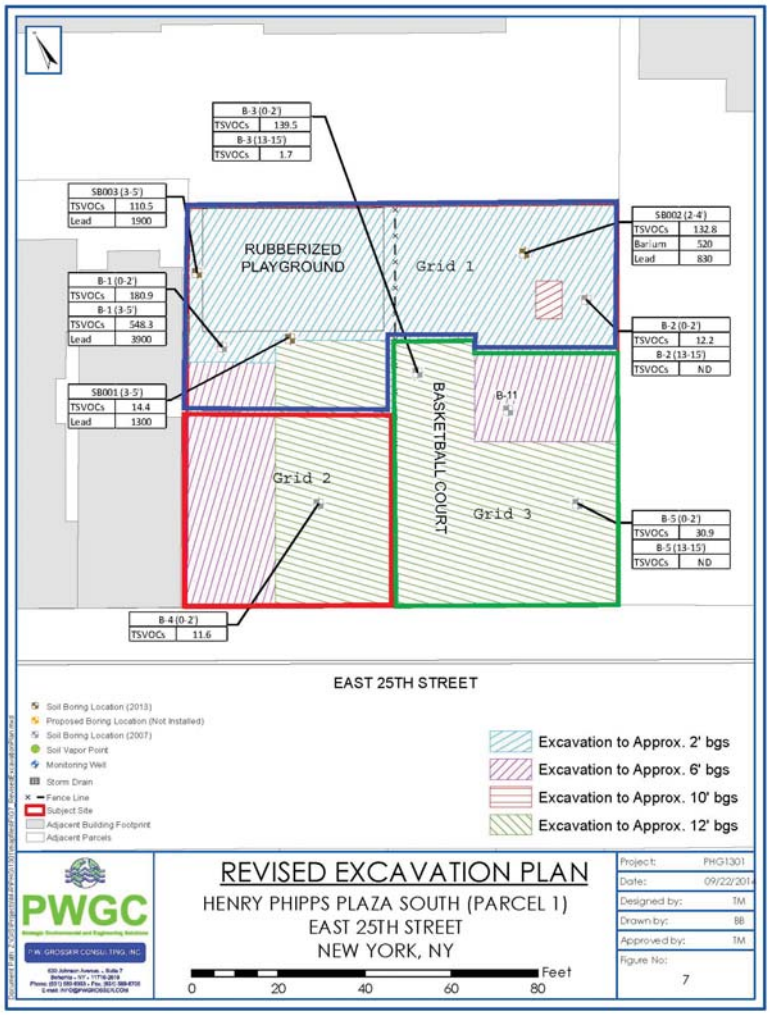
Planned Activities for Next Week:

Continue clean soil delivery and backfilling
Continue installing foundation wall and footings
Continue installing vapor barrier

File Name: 2015-06-19_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
					6	120				
Totals (trucks, cu.yds.)	42	840	72	1,440	12	240				

Site Grid Map



 File Name: 2015-06-19_15CVCP032M_Daily Report

Photo Log

Photo 1 – Install vapor barrier	
Photo 2 – Soil removal	
Photo 3 – Soil shifting	

File Name: 2015-06-19_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☐	Bright Sun	☒
TEMP.	TO 32	☐	32-50	☐	50-70	☐	70-85	☒	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Jun 23, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Soil shifting in grids 2 and 3
Continuation of vapor barrier installation (Preprufe) on RCA within northeast crawl space
Vapor barrier installation (Preprufe) on RCA within stairway B
Concrete pouring for slab in stairway B and the northeast crawl space

Working In Grid #: 1,2,3

Samples Collected (Since Last Report):
No samples collected

Air Monitoring (Since Last Report):
No limits exceeded

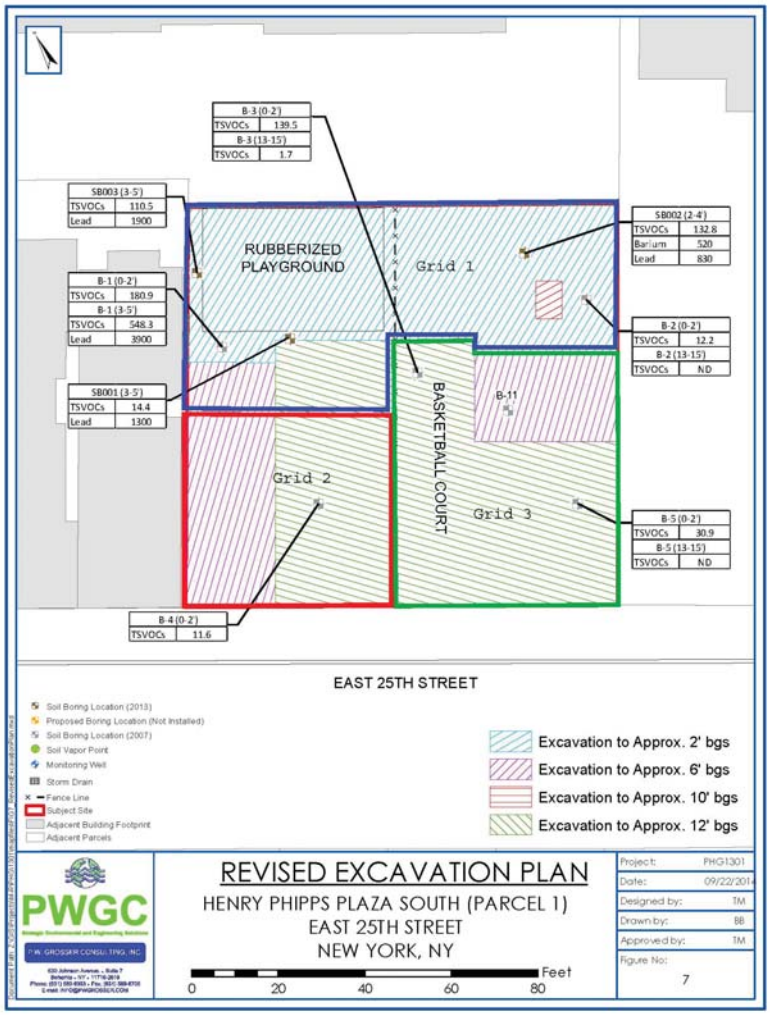
Problems Encountered:
No problems encountered

Planned Activities for Next Week:
Continue clean soil delivery and backfilling
Continue installing foundation wall and footings
Continue installing vapor barrier

File Name: 2015-06-23_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	42	840	72	1,440	12	240				

Site Grid Map



 File Name: 2015-06-23_15CVCP032M_Daily Report

Photo Log

Photo 1 – Install vapor barrier	
Photo 2 – Concrete delivery	
Photo 3 – Soil shifting	

File Name: 2015-06-23_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☐	Bright Sun	☒
TEMP.	TO 32	☐	32-50	☐	50-70	☒	70-85	☒	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Jun 24, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Soil shifting in grids 2 and 3
Vapor barrier installation (Bituthene) on outside of south foundation wall
Bedrock chipping in southwest grid 2

Working In Grid #: 1,2,3

Samples Collected (Since Last Report):
No samples collected

Air Monitoring (Since Last Report):
No limits exceeded

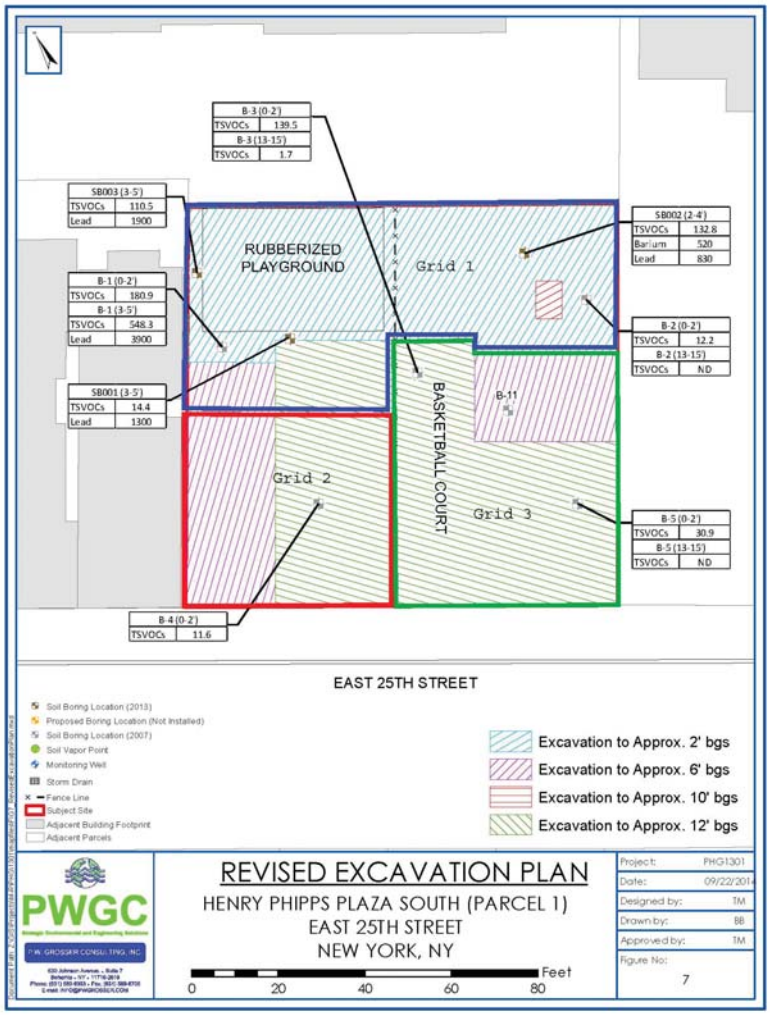
Problems Encountered:
No problems encountered

Planned Activities for Next Week:
Continue clean soil delivery and backfilling
Continue installing foundation wall and footings
Continue installing vapor barrier

File Name: 2015-06-24_15CVCP032M_Daily Report

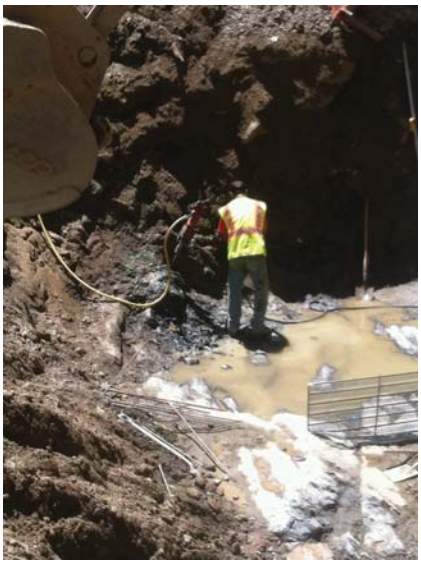
Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	42	840	72	1,440	12	240				

Site Grid Map



 File Name: 2015-06-24_15CVCP032M_Daily Report

Photo Log

Photo 1 – Install vapor barrier and styrofoam board	
Photo 2 – Chipping bedrock	
Photo 3 – Soil shifting	

File Name: 2015-06-24_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☐	Bright Sun	☒
TEMP.	TO 32	☐	32-50	☐	50-70	☒	70-85	☒	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Jun 25, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Soil shifting in grids 2 and 3
Vapor barrier installation (Bituthene) on outside of south foundation wall
Soil removal (6 loads grid 2)
Clean soil delivery (2 loads, 40 cubic yards)
Backfilling along outside of south foundation wall

Working In Grid #: 1,2,3

Samples Collected (Since Last Report):
No samples collected

Air Monitoring (Since Last Report):
No limits exceeded

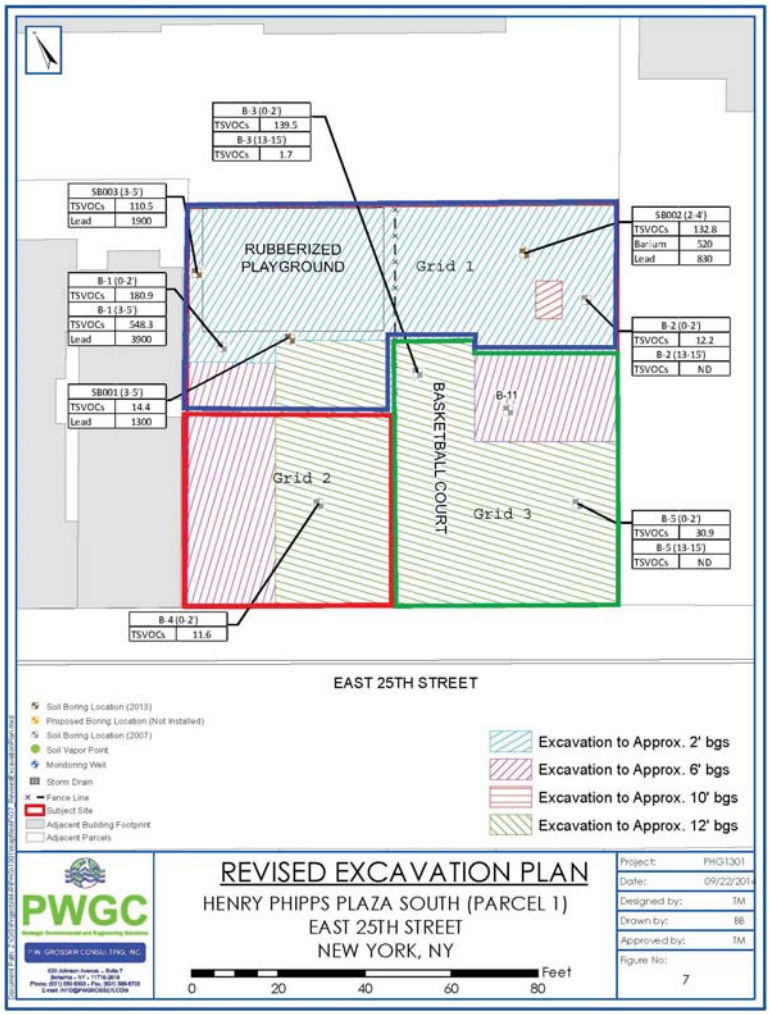
Problems Encountered:
No problems encountered

Planned Activities for Next Week:
Continue clean soil delivery and backfilling
Continue installing foundation wall and footings
Continue installing vapor barrier

File Name: 2015-06-25_15CVCP032M_Daily Report

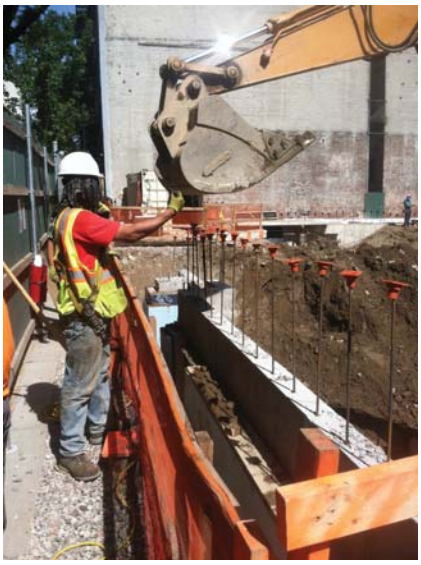
Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
			6	120						
Totals (trucks, cu.yds.)	42	840	78	1,560	12	240				

Site Grid Map



 File Name: 2015-06-25_15CVCP032M_Daily Report

Photo Log

Photo 1 – Soil delivery	
Photo 2 – Backfilling	
Photo 3 – Soil removal	

File Name: 2015-06-25_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☐	Bright Sun	☒
TEMP.	TO 32	☐	32-50	☐	50-70	☐	70-85	☒	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Jun 26, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Soil shifting in grids 1 and 2
Clean soil delivery (14 loads, 278 cubic yards)
Backfilling clean soil in grid 1 for cap
Bedrock chipping in grid 2

Working In Grid #: 1,2,3

Samples Collected (Since Last Report):
No samples collected

Air Monitoring (Since Last Report):
No limits exceeded

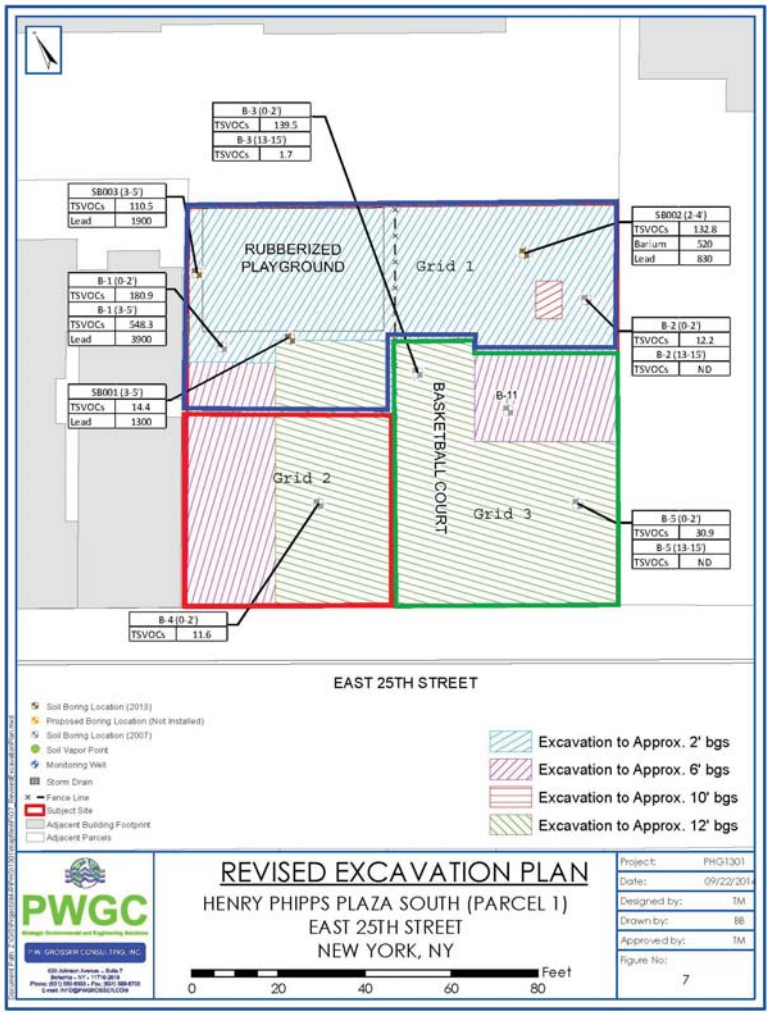
Problems Encountered:
No problems encountered

Planned Activities for Next Week:
Continue clean soil delivery and backfilling
Continue installing foundation wall and footings
Continue installing vapor barrier

File Name: 2015-06-26_15CVCP032M_Daily Report

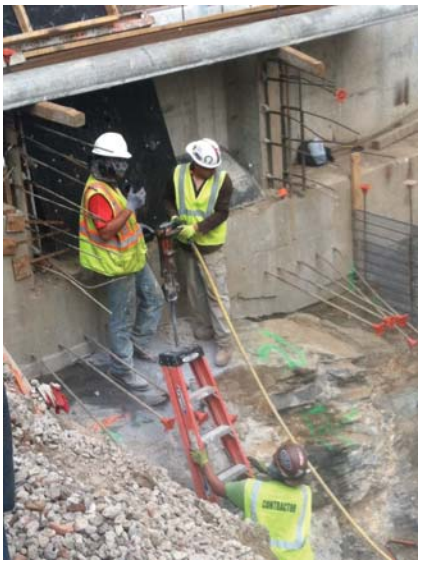
Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	42	840	78	1,560	12	240				

Site Grid Map



 File Name: 2015-06-26_15CVCP032M_Daily Report

Photo Log

Photo 1 – Soil delivery	
Photo 2 – Chipping bedrock	
Photo 3 – Soil shifting	

File Name: 2015-06-26_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☐	Bright Sun	☒
TEMP.	TO 32	☐	32-50	☐	50-70	☒	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Jun 29, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Soil shifting in grids 1 and 2
Clean soil delivery (3 loads, 60 cubic yards)
Backfilling clean soil in grid 1 for cap
Continue vapor barrier installation along the outside of the eastern foundation wall
Bedrock chipping in grid 2

Working In Grid #: 1,2,3

Samples Collected (Since Last Report):
No samples collected

Air Monitoring (Since Last Report):
No limits exceeded

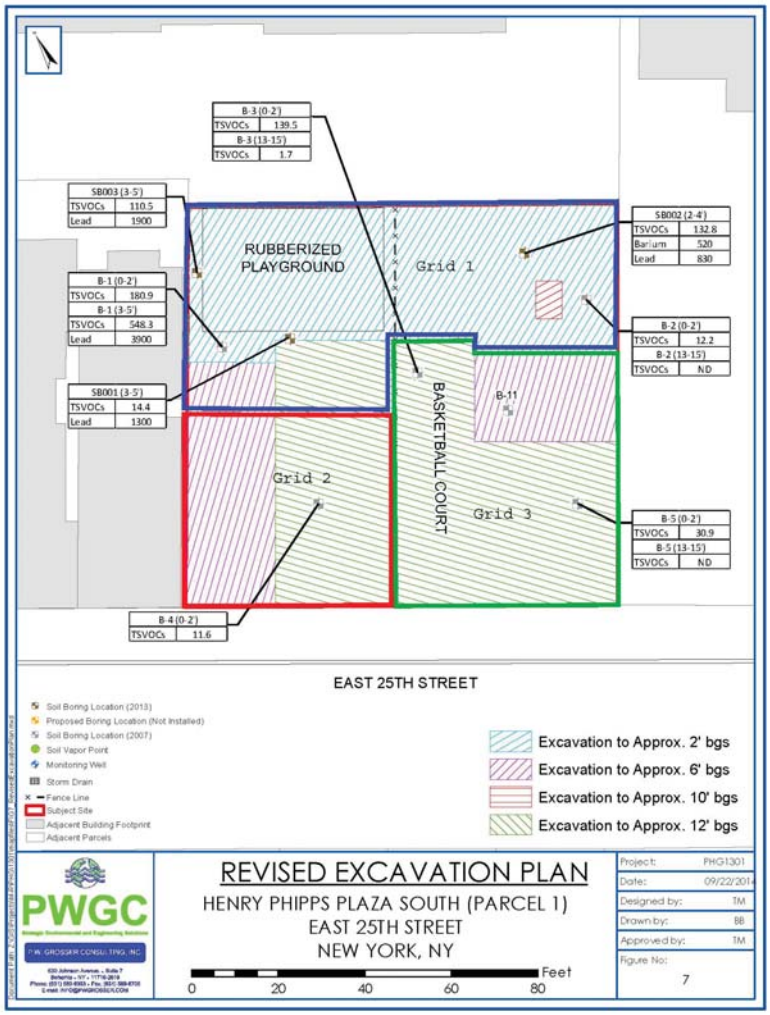
Problems Encountered:
No problems encountered

Planned Activities for Next Week:
Continue clean soil delivery and backfilling
Continue installing foundation wall and footings
Continue installing vapor barrier

File Name: 2015-01-05_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	42	840	78	1,560	12	240				

Site Grid Map



 File Name: 2015-01-05_15CVCP032M_Daily Report

Photo Log

Photo 1 – Soil delivery	
Photo 2 – Chipping bedrock	
Photo 3 – Soil shifting	

File Name: 2015-01-05_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☒	Bright Sun	☐
TEMP.	TO 32	☐	32-50	☐	50-70	☐	70-85	☒	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Jun 30, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Soil shifting in grid 2 and 3
Soil removal (8 loads of grid 2)
Continue vapor barrier installation along the outside of the southern/eastern foundation wall
Building forms for central footing in grid 2

Working In Grid #: 1,2,3

Samples Collected (Since Last Report):
No samples collected

Air Monitoring (Since Last Report):
No limits exceeded

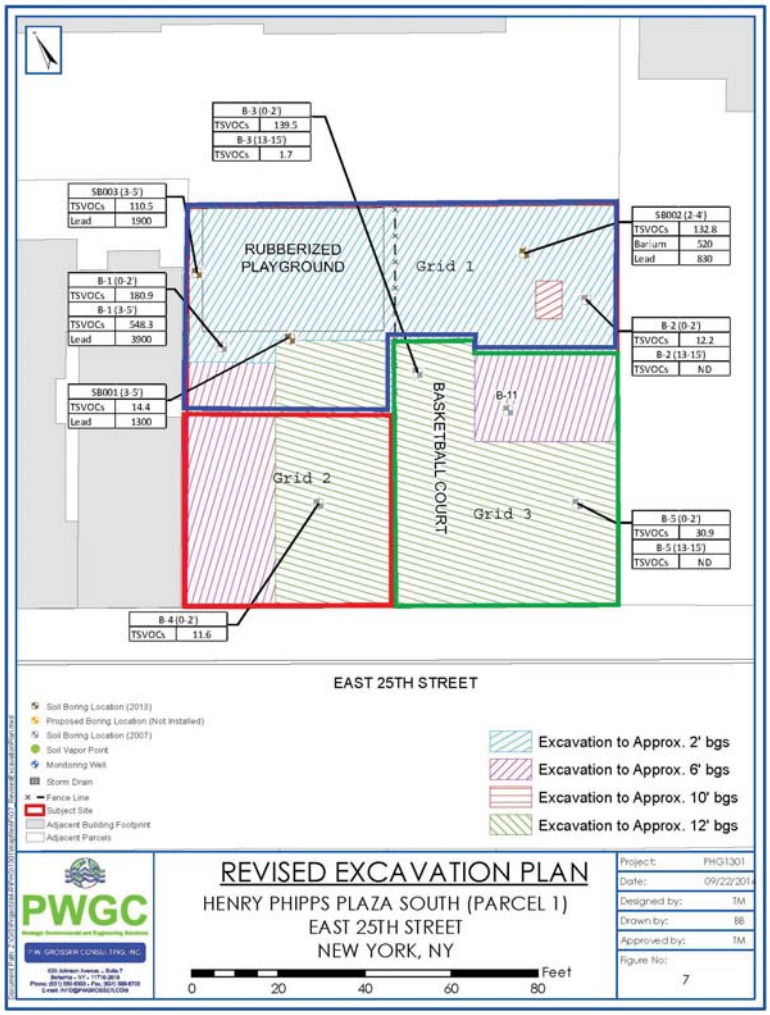
Problems Encountered:
No problems encountered

Planned Activities for Next Week:
Continue backfilling along eastern foundation wall and in the backyard
Continue installing foundation wall and footings
Continue installing vapor barrier

File Name: 2015-06-30_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
			8	160						
Totals (trucks, cu.yds.)	42	840	86	1,720	12	240				

Site Grid Map



 File Name: 2015-06-30_15CVCP032M_Daily Report

Photo Log

Photo 1 – Soil removal	
Photo 2 – Building forms	
Photo 3 – Soil shifting	

File Name: 2015-06-30_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☒	Bright Sun	☐
TEMP.	TO 32	☐	32-50	☐	50-70	☐	70-85	☒	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Jul 1, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):

Soil shifting in grids 1 and 2
Backfilling along the outside of the east and south foundation walls
Building forms for central footing in grid 2
Pouring concrete for central footing in grid 2

Working In Grid #: 1,2,3

Samples Collected (Since Last Report):

No samples collected

Air Monitoring (Since Last Report):

No limits exceeded

Problems Encountered:

No problems encountered

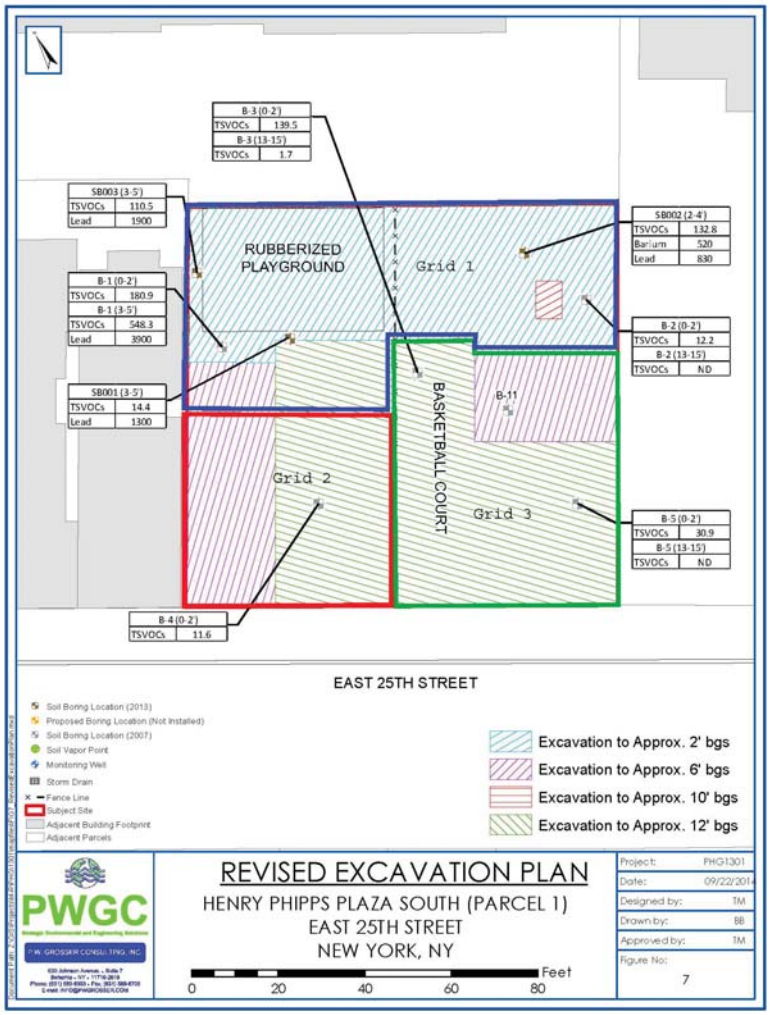
Planned Activities for Next Week:

Continue backfilling along southern foundation wall and in the backyard
Continue installing foundation wall and footings
Continue installing vapor barrier

File Name: 2015-07-01_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	42	840	86	1,720	12	240				

Site Grid Map



 File Name: 2015-07-01_15CVCP032M_Daily Report

Photo Log

Photo 1 – Pouring concrete	
Photo 2 – Building forms	
Photo 3 – Backfilling along the outside of the foundation wall	

File Name: 2015-07-01_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☐	Bright Sun	☒
TEMP.	TO 32	☐	32-50	☐	50-70	☐	70-85	☒	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Jul 2, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Soil shifting in grid 2
Building forms/rebar for central foundation wall in grid 2
Stripping forms for central footing in grid 2
Shortening piles in grid 3

Working In Grid #: 1,2,3

Samples Collected (Since Last Report):
No samples collected

Air Monitoring (Since Last Report):
No limits exceeded

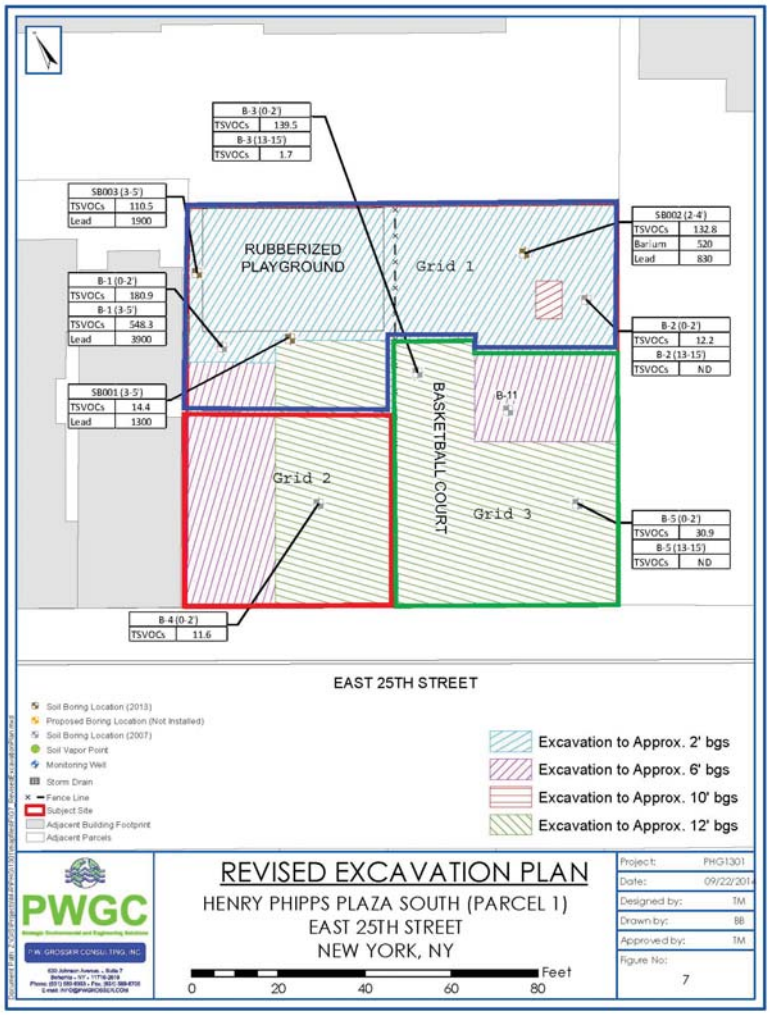
Problems Encountered:
No problems encountered

Planned Activities for Next Week:
Continue backfilling along southern foundation wall and in the backyard
Continue installing foundation wall and footings
Continue installing vapor barrier

File Name: 2015-07-02_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	42	840	86	1,720	12	240				

Site Grid Map



 File Name: 2015-07-02_15CVCP032M_Daily Report

Photo Log

Photo 1 – Shifting soil	
Photo 2 – Stripping forms	
Photo 3 – Building rebar for foundation wall	

File Name: 2015-07-02_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☒	Partly Cloudy	☒	Bright Sun	☐
TEMP.	TO 32	☐	32-50	☐	50-70	☒	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Jul 6, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	John Danko
Contractor:	
Monodnock Construction, Inc.	

Work Activities Performed (Since Last Report):
-Excavate elevator pit
-Begin to prep elevator pit with a rat slab for vapor barrier installation
-Move previously delivered fill to create a mound/hill at the north section of the site (as per design)
-Install rebar

Working In Grid #: 1, 2, 3

Samples Collected (Since Last Report):
None

Air Monitoring (Since Last Report):
No limits Exceeded

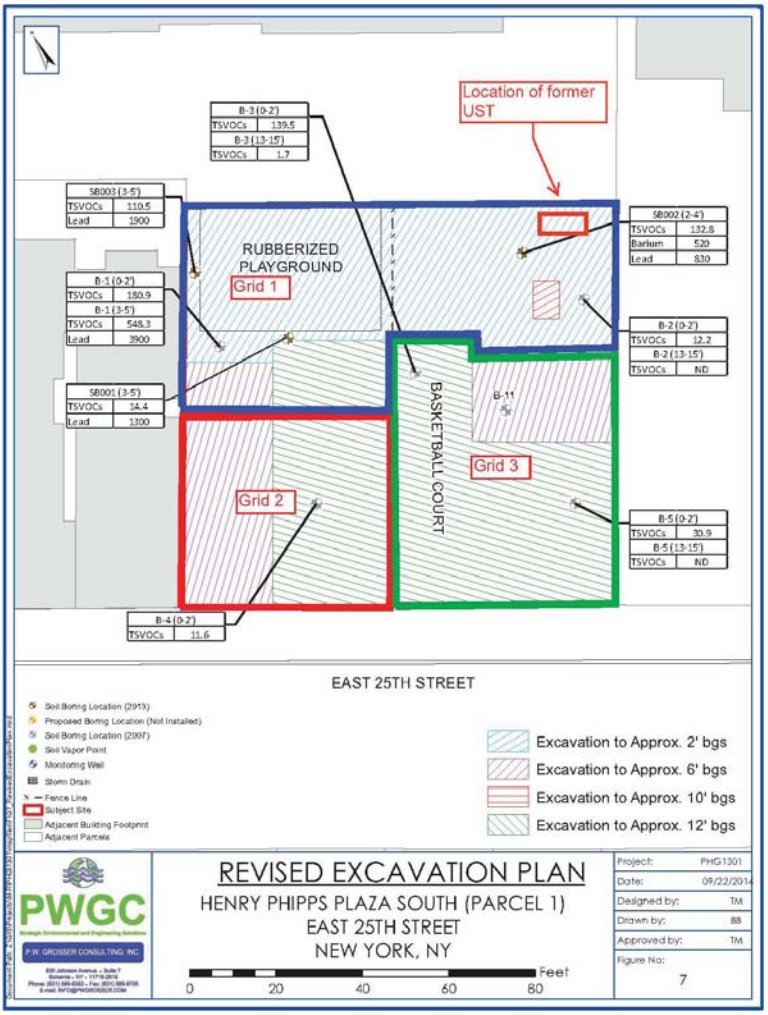
Problems Encountered:
None

Planned Activities for Next Week:
-Install vapor barrier in the elevator pit
-Continue to install rebar

File Name: 2015-07-06_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	42	840	86	1,720	12	240				

Site Grid Map



File Name: 2015-07-06_15CVCP032M_Daily Report

Photo Log

Photo 1 – View of contractors excavating for the elevator pit.	
Photo 2 – View of contractor moving previously delivered fill to create an aesthetic hill at the north side of the Site.	
Photo 3 – View of contractor grading the hill located at the north end of the Site.	

File Name: 2015-07-06_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☒	Bright Sun	☐
TEMP.	TO 32	☐	32-50	☐	50-70	☐	70-85	☒	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Jul 7, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Soil shifting in grid 2
Building forms/rebar for central foundation wall and footing in grid 2
Vapor barrier installation for elevator pit slab in grid 2

Working In Grid #: 2,3

Samples Collected (Since Last Report):
No samples collected

Air Monitoring (Since Last Report):
No limits exceeded

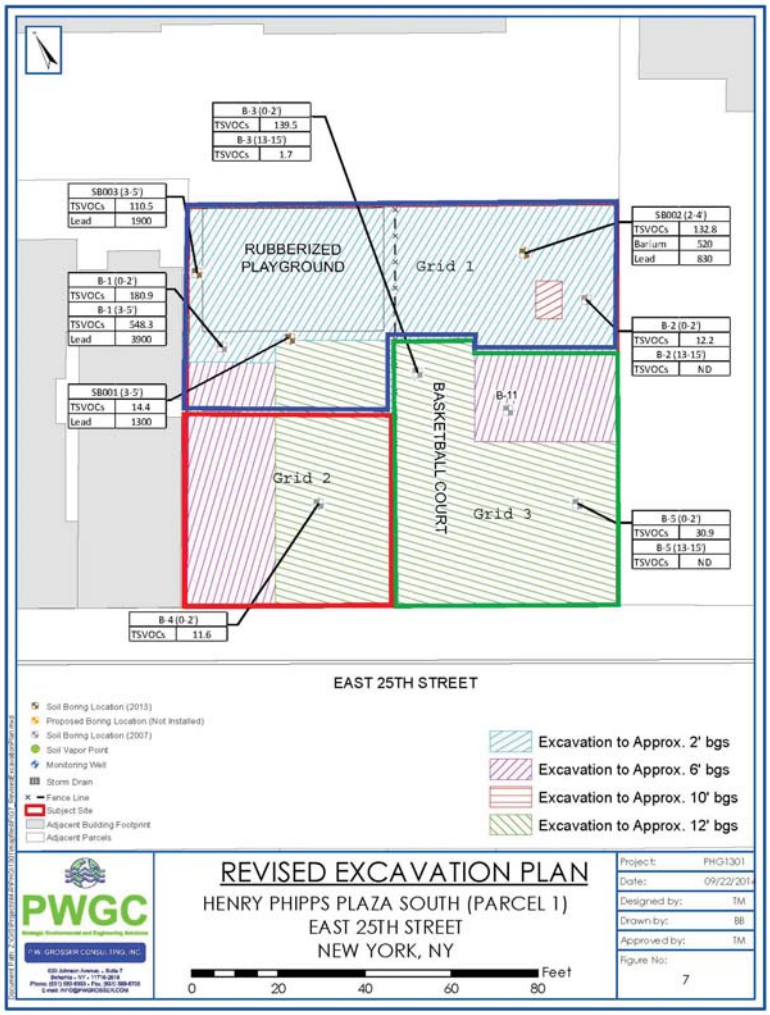
Problems Encountered:
No problems encountered

Planned Activities for Next Week:
Continue installing foundation wall and footings
Continue installing vapor barrier

File Name: 2015-07-07_15CVCP032M_Daily Report

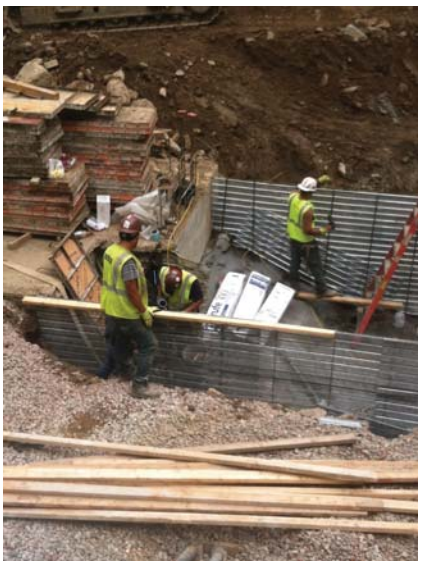
Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	42	840	86	1,720	12	240				

Site Grid Map



 File Name: 2015-07-07_15CVCP032M_Daily Report

Photo Log

Photo 1 – Shifting soil	
Photo 2 – Installing vapor barrier	
Photo 3 – Building forms	

File Name: 2015-07-07_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☐	Bright Sun	☒
TEMP.	TO 32	☐	32-50	☐	50-70	☐	70-85	☒	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Jul 8, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Soil shifting in grid 2
Building forms/rebar for central foundation wall in grid 2
Vapor barrier installation for elevator pit slab/footing in grid 2
Pouring concrete for foundation wall in grid 2

Working In Grid #: 2,3

Samples Collected (Since Last Report):
No samples collected

Air Monitoring (Since Last Report):
No limits exceeded

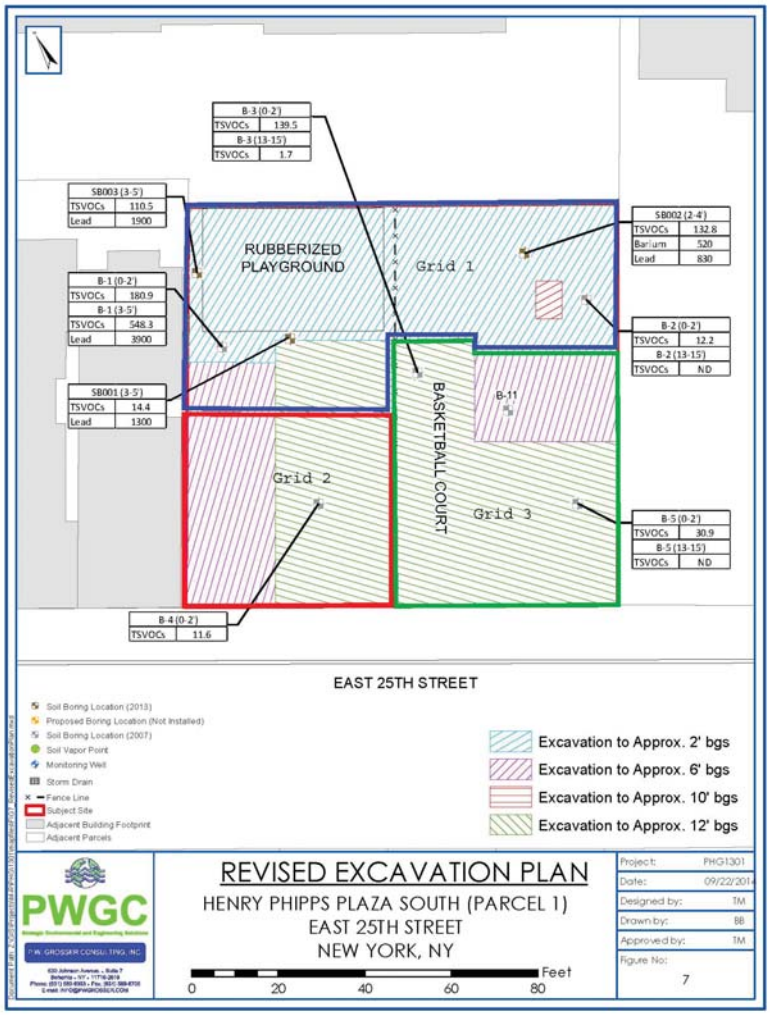
Problems Encountered:
No problems encountered

Planned Activities for Next Week:
Continue installing foundation wall and footings
Continue installing vapor barrier

File Name: 2015-07-08_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	42	840	86	1,720	12	240				

Site Grid Map



 File Name: 2015-07-08_15CVCP032M_Daily Report

Photo Log

Photo 1 – Shifting soil	
Photo 2 – Pouring concrete	
Photo 3 – Building forms	

File Name: 2015-07-08_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☒	Bright Sun	☐
TEMP.	TO 32	☐	32-50	☐	50-70	☒	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Jul 9, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Soil shifting in grid 2
Building rebar for footing in grid 2
Pouring concrete for footing in grid 2
Stripping forms in grid 2

Working In Grid #: 2,3

Samples Collected (Since Last Report):
No samples collected

Air Monitoring (Since Last Report):
No limits exceeded

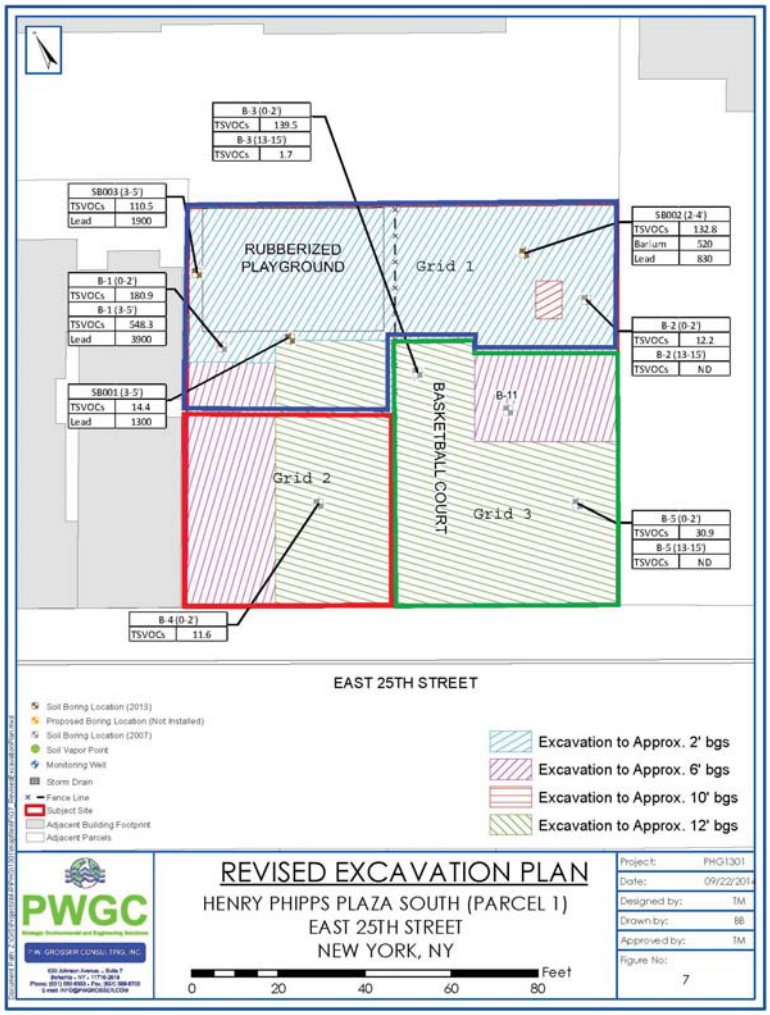
Problems Encountered:
No problems encountered

Planned Activities for Next Week:
Continue installing foundation wall and footings
Continue installing vapor barrier

File Name: 2015-07-09_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	42	840	86	1,720	12	240				

Site Grid Map



 File Name: 2015-07-09_15CVCP032M_Daily Report

Photo Log

Photo 1 – Shifting soil	
Photo 2 – Pouring concrete	
Photo 3 – Building rebar	

File Name: 2015-07-09_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☒	Bright Sun	☐
TEMP.	TO 32	☐	32-50	☐	50-70	☒	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Jul 10, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Soil shifting in grid 2
Building rebar for foundation wall in grid 2
Building forms for foundation wall in grid 2
Installing vertical vapor barrier on foundation walls in crawl space in grid 2

Working In Grid #: 2,3

Samples Collected (Since Last Report):
No samples collected

Air Monitoring (Since Last Report):
No limits exceeded

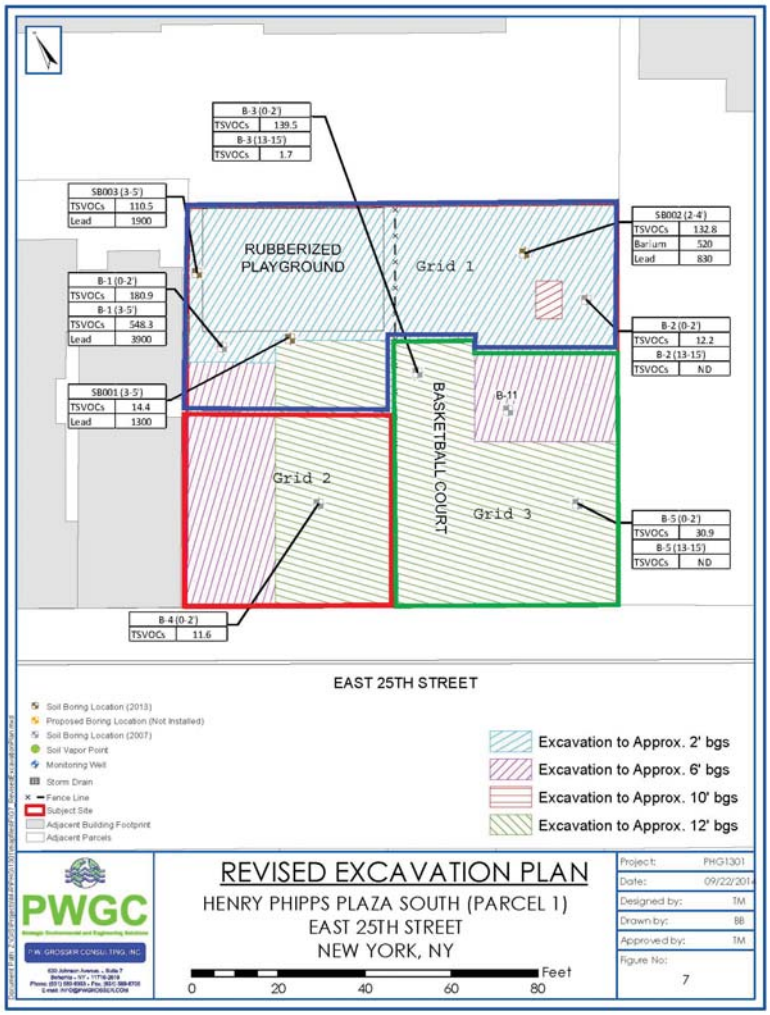
Problems Encountered:
No problems encountered

Planned Activities for Next Week:
Continue installing foundation wall and footings
Continue installing vapor barrier

File Name: 2015-07-10_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	42	840	86	1,720	12	240				

Site Grid Map



 File Name: 2015-07-10_15CVCP032M_Daily Report

Photo Log

Photo 1 – Shifting soil	
Photo 2 – Installing vapor barrier	
Photo 3 – Building rebar	

File Name: 2015-07-10_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☒	Bright Sun	☐
TEMP.	TO 32	☐	32-50	☐	50-70	☐	70-85	☒	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Jul 11, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Dan Johnson
Contractor:	
Monodnock Construction, Inc.	

Work Activities Performed (Since Last Report):
-Pour Concrete around elevator pit
-Vapor barrier installation on foundation wall in grid 2
-Shift soils to rebuild ramp at entrance to excavation grid 2
-Level soils in crawl space area grid 1.

Working In Grid #: 1, 2, 3

Samples Collected (Since Last Report):
None

Air Monitoring (Since Last Report):
No limits Exceeded

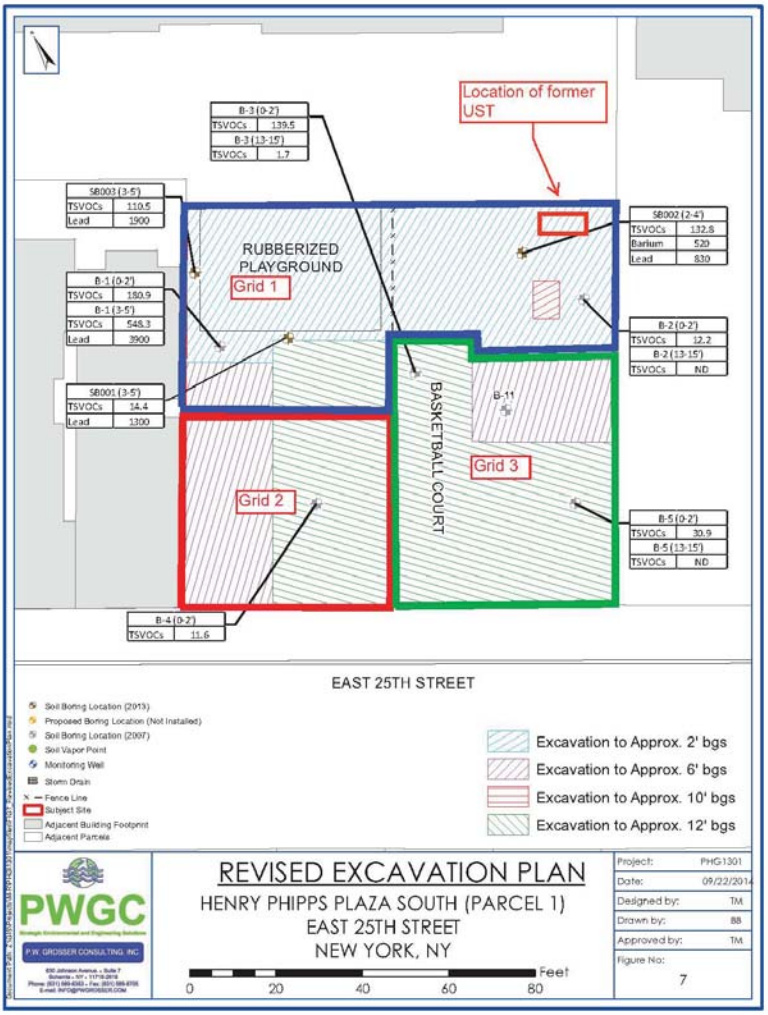
Problems Encountered:
None

Planned Activities for Next Week:
-Install vapor barrier on foundation
-Continue moving soils to create crawl space area

File Name: 2015-07-06_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	21	420	24	480						

Site Grid Map



File Name: 2015-07-06_15CVCP032M_Daily Report

Photo Log

Photo 1 – View of excavator on rebuilt soil ramp to collect concrete.	
Photo 2 – View of contractors pouring concrete around the elevator pit.	
Photo 3 – View of contractor leveling soil for crawl space in grid 1.	

File Name: 2015-07-06_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☒	Bright Sun	☐
TEMP.	TO 32	☐	32-50	☐	50-70	☐	70-85	☒	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Jul 13, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Soil shifting/backfilling crawl space
Building rebar for foundation wall in grid 2
Building forms for foundation wall in grid 2
Soil removal (9 loads of grid 1)

Working In Grid #: 1,2,3

Samples Collected (Since Last Report):
No samples collected

Air Monitoring (Since Last Report):
No limits exceeded

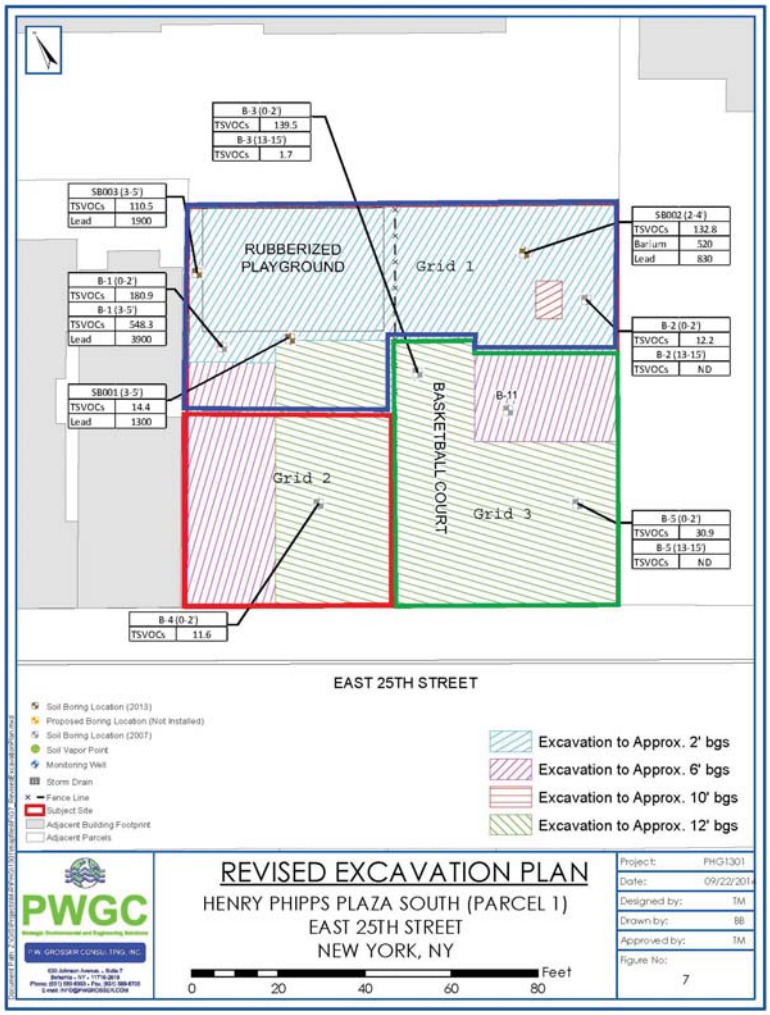
Problems Encountered:
No problems encountered

Planned Activities for Next Week:
Continue installing rebar and forms for foundation wall
Continue installing vapor barrier

File Name: 2015-07-30_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
	9	180								
Totals (trucks, cu.yds.)	51	1,020	86	1,720	12	240				

Site Grid Map



 File Name: 2015-07-30_15CVCP032M_Daily Report

Photo Log

Photo 1 – Shifting soil	
Photo 2 – Soil Removal	
Photo 3 – Building rebar	

File Name: 2015-07-30_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☒	Bright Sun	☐
TEMP.	TO 32	☐	32-50	☐	50-70	☐	70-85	☒	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Jul 14, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Building rebar for foundation wall in grid 2
Building forms for foundation wall in grid 2
Soil removal (1 load of grid 1)

Working In Grid #: 1,2,3

Samples Collected (Since Last Report):
No samples collected

Air Monitoring (Since Last Report):
No limits exceeded

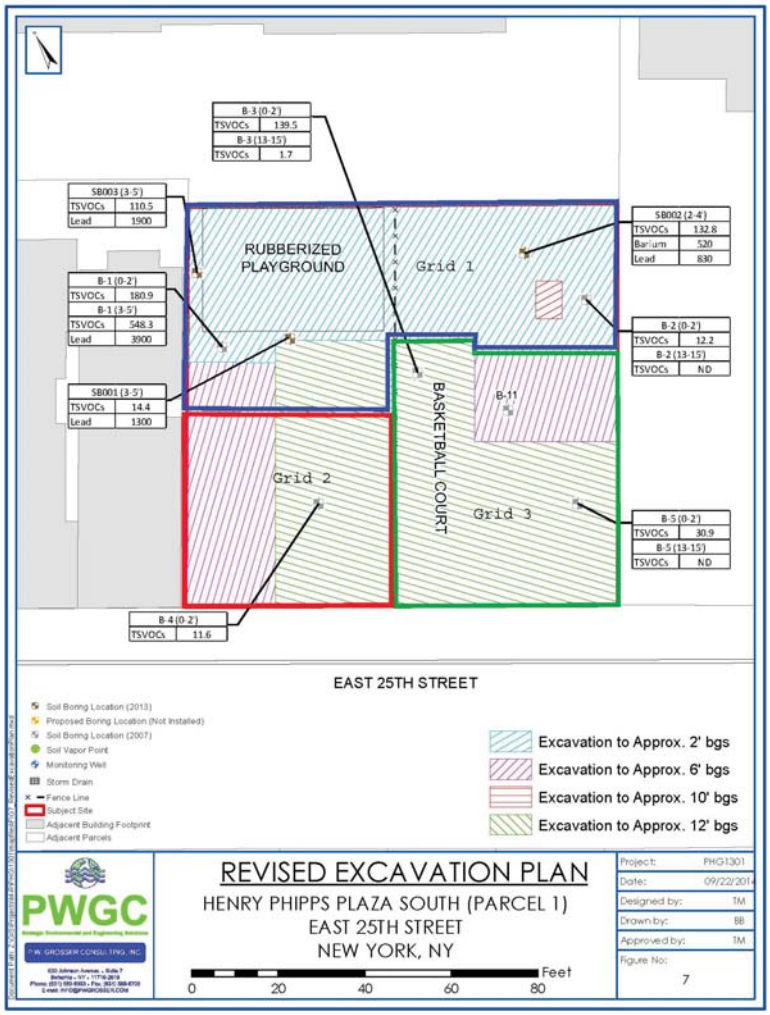
Problems Encountered:
No problems encountered

Planned Activities for Next Week:
Continue installing rebar and forms for foundation wall
Continue installing vapor barrier

File Name: 2015-07-14_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
	1	20								
Totals (trucks, cu.yds.)	52	1,040	86	1,720	12	240				

Site Grid Map



 File Name: 2015-07-14_15CVCP032M_Daily Report

Photo Log

Photo 1 – Build forms	
Photo 2 – Soil Removal	
Photo 3 – Building rebar	

File Name: 2015-07-14_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☒	Overcast	☒	Partly Cloudy	☐	Bright Sun	☐
TEMP.	TO 32	☐	32-50	☐	50-70	☒	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Jul 15, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Building rebar for foundation wall in grids 2 and 3
Building forms for foundation wall in grids 2 and 3
Soil shifting in grid 2

Working In Grid #: 2,3

Samples Collected (Since Last Report):
No samples collected

Air Monitoring (Since Last Report):
No limits exceeded

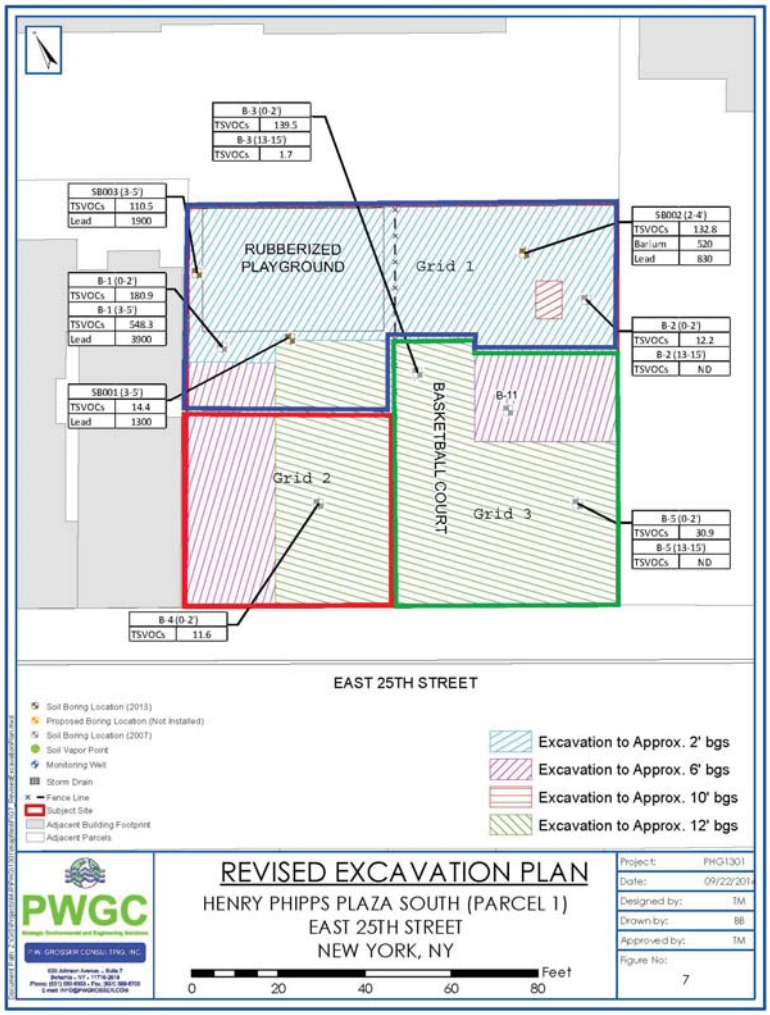
Problems Encountered:
No problems encountered

Planned Activities for Next Week:
Continue installing rebar and forms for foundation wall
Continue installing vapor barrier

File Name: 2015-07-15_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	52	1,040	86	1,720	12	240				

Site Grid Map



 File Name: 2015-07-15_15CVCP032M_Daily Report

Photo Log

Photo 1 – Build forms	
Photo 2 – Soil shifting	
Photo 3 – Building rebar	

File Name: 2015-07-15_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☐	Bright Sun	☒
TEMP.	TO 32	☐	32-50	☐	50-70	☒	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Jul 16, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Building rebar for foundation wall in grids 2 and 3
Building forms for foundation wall in grids 2 and 3
Vapor barrier installation in west crawl space
Soil shifting in grid 2

Working In Grid #: 2,3

Samples Collected (Since Last Report):
No samples collected

Air Monitoring (Since Last Report):
No limits exceeded

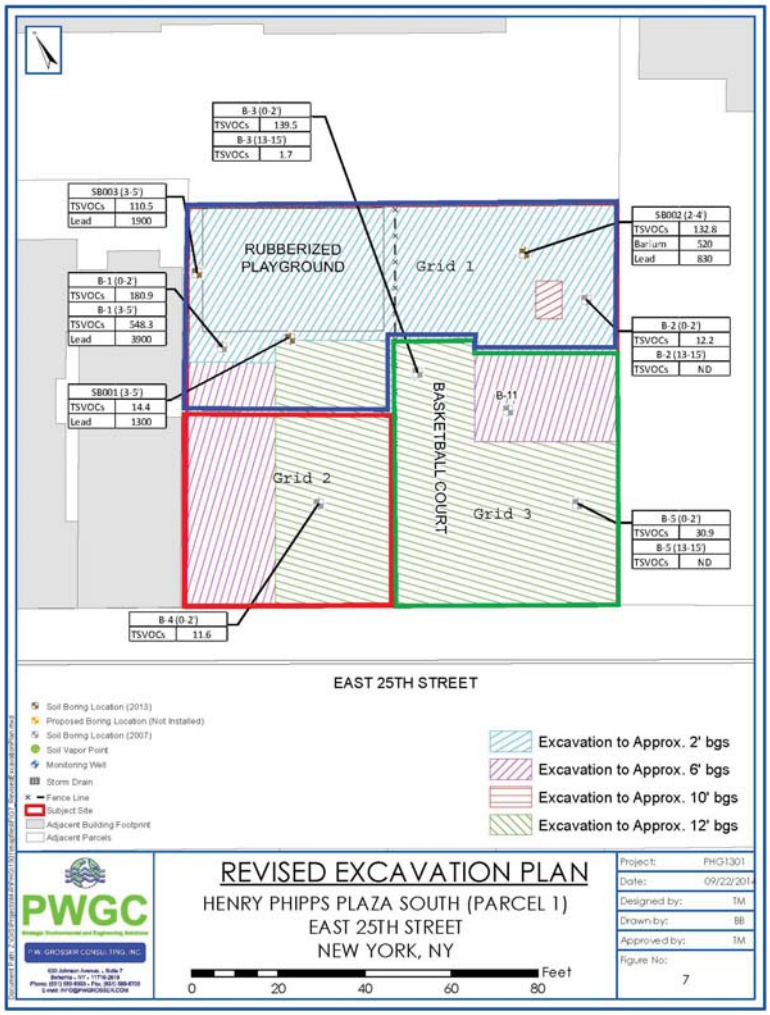
Problems Encountered:
No problems encountered

Planned Activities for Next Week:
Continue installing rebar and forms for foundation wall
Continue installing vapor barrier

File Name: 2015-07-16_15CVCP032M_Daily Report

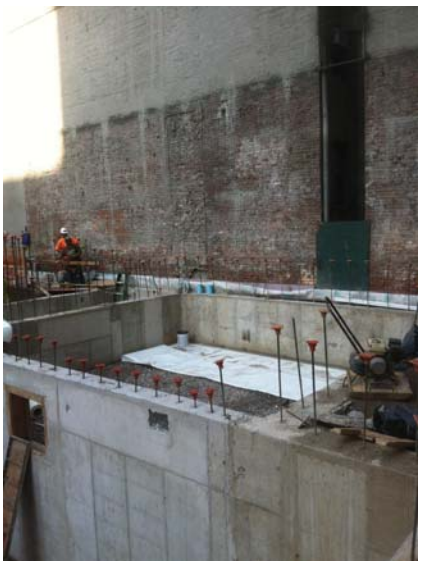
Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	52	1,040	86	1,720	12	240				

Site Grid Map



 File Name: 2015-07-16_15CVCP032M_Daily Report

Photo Log

Photo 1 – Build forms	
Photo 2 – Soil shifting	
Photo 3 – Vapor barrier installation	

File Name: 2015-07-16_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: Thomas Melia

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☒	Bright Sun	☐
TEMP.	TO 32	☐	32-50	☐	50-70	☒	70-85	☐	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Jul 17, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	Michael Gaul
Contractor:	
Monadnock Construction, Inc.	

Work Activities Performed (Since Last Report):
Building rebar for foundation wall and footing in grids 2 and 3
Building forms for foundation wall and footing in grids 2 and 3
Vapor barrier installation in west crawl space
Chopping rock for ejector pit in grid 2

Working In Grid #: 2,3

Samples Collected (Since Last Report):
No samples collected

Air Monitoring (Since Last Report):
No limits exceeded

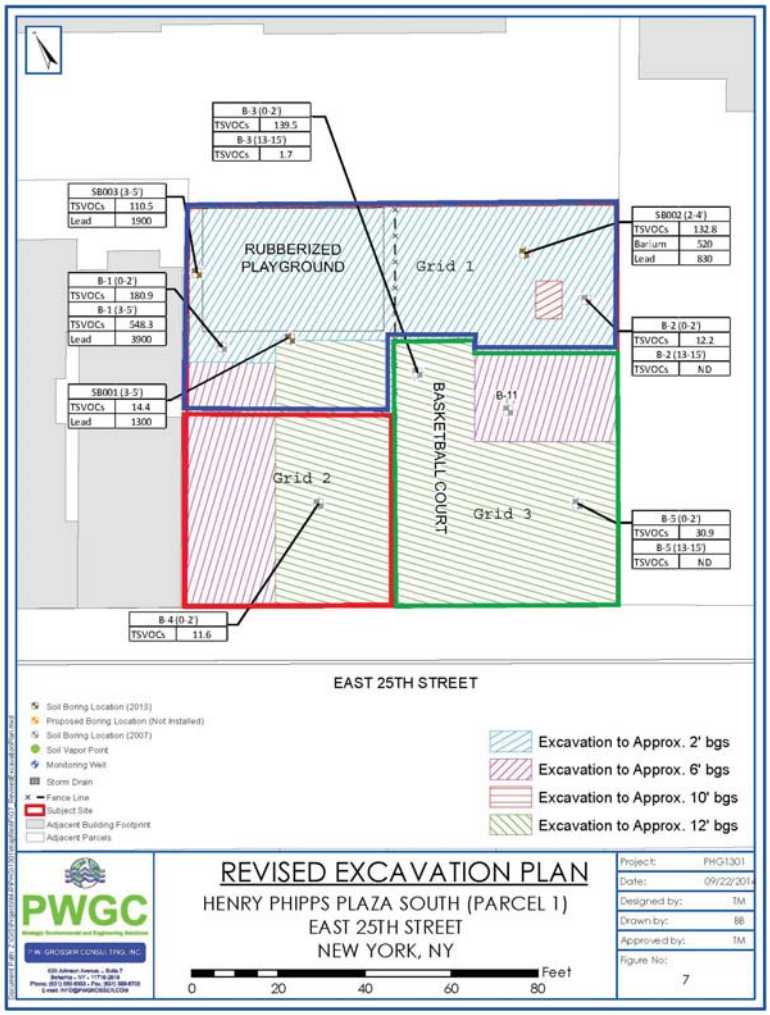
Problems Encountered:
No problems encountered

Planned Activities for Next Week:
Continue installing rebar and forms for foundation wall
Continue installing vapor barrier

File Name: 2015-07-17_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	52	1,040	86	1,720	12	240				

Site Grid Map



 File Name: 2015-07-17_15CVCP032M_Daily Report

Photo Log

Photo 1 – Build forms for footing	
Photo 2 – Building forms for foundation wall	
Photo 3 – Chopping bedrock	

File Name: 2015-07-17_15CVCP032M_Daily Report

DAILY STATUS REPORT

Prepared By: John Danko

WEATHER	Snow	☐	Rain	☐	Overcast	☐	Partly Cloudy	☐	Bright Sun	☒
TEMP.	TO 32	☐	32-50	☐	50-70	☐	70-85	☒	>85	☐

BCP Project No:	15CVCP032M	E-Number:		Date:	Jul 24, 2015
Project Name:	Henry Phipps Plaza South (Parcel 1)				

Consultant:	Safety Officer:
P.W. Grosser Consulting	John Danko
Contractor:	
Monodnock Construction, Inc.	

Work Activities Performed (Since Last Report):
-Inspected vapor barrier in two sections of the foundation slab.
-Patched identified holes in the vapor barrier.

Working In Grid #: 1 and 3

Samples Collected (Since Last Report):
None

Air Monitoring (Since Last Report):
No limits Exceeded

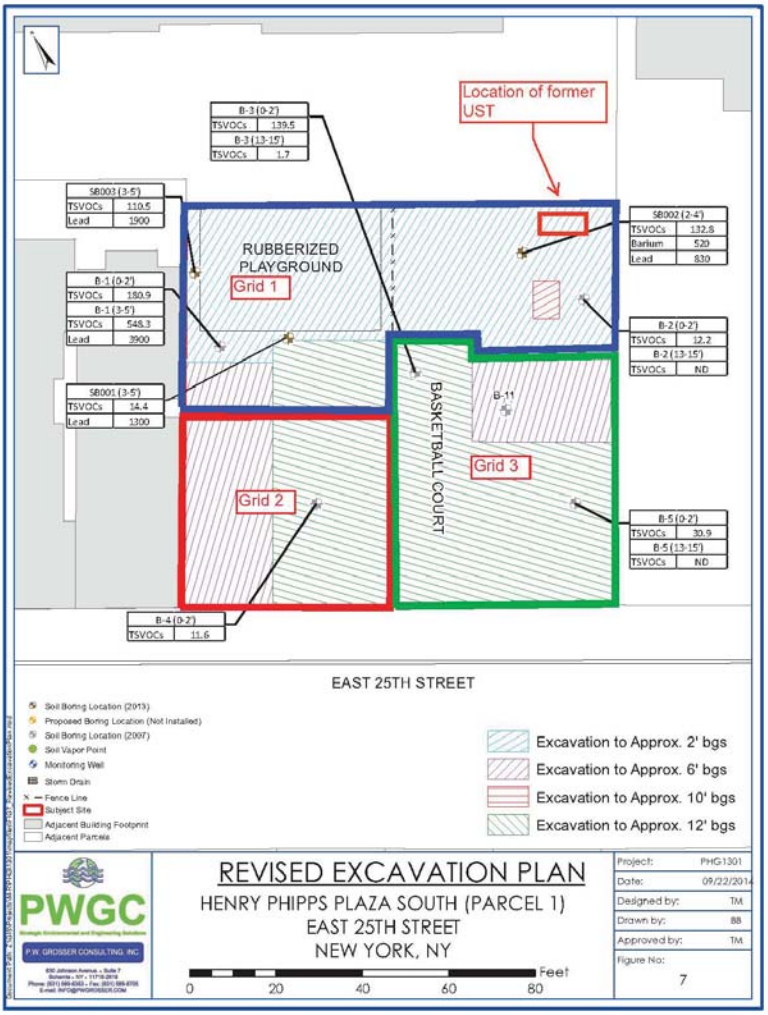
Problems Encountered:
None

Planned Activities for Next Week:
-Continue to install sections vapor barrier as necessary
-Pour concrete after vapor barrier sections have been inspected

File Name: 2015-07-24_15CVCP032M_Daily Report

Facility # Name/ location type of waste	Bayshore Soil Management Grid 1 Solid		Palmerton, PA Grid 2 Grid 3 (0 to 8') Solid		Lyndhurst. NJ/ Prospect Park, NJ Grid 3 (8' to 12') Solid		Liquid			
Today (trucks, cu.yds.)	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Cu. Yds.	Trucks	Gallons	Trucks	Cu. Yds. *Or* Gallons
Totals (trucks, cu.yds.)	21	420	24	480						

Site Grid Map



File Name: 2015-07-24_15CVCP032M_Daily Report

Photo Log

Photo 1 – View of contractor patching a penetration in the vapor barrier.	
Photo 2 – View of contractors applying vapor barrier.	
Photo 3 – View of a completed and inspected section of vapor barrier.	

PWGC
Strategic Environmental Engineering Solutions

DAILY AIR MONITORING RECORD FORM

Date: 12/22/14 Project Name/Location: Phipps Plaza

Site Safety Officer: N/A

Weather Conditions: 38°F, Cloudy Wind Speed & Direction: N 5 mph

Instrument Make Model & Serial Number:
Mini Rae Lite
Thermo PDR

Background Readings: 0.0 ppm 0.000 mg/m³

Air Monitoring Locations: N E S W

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
7:15	0.1	0.000	0.0	0.000	0.0	0.000	0.0	0.000			
8:00	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			
9:00	0.0	0.013	0.0	0.000	0.0	0.000	0.0	0.000			
10:00	0.0	0.000	0.0	0.000	0.0	0.001	0.0	0.020			
11:00	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			
12:00	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			
13:00	0.0	0.000	0.0	0.000	0.0	0.005	0.1	0.000			
14:00	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			
15:00	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental Engineering Solutions

DAILY AIR MONITORING RECORD FORM

Date: 12/23/14 Project Name/Location: Phipps Plaza

Site Safety Officer: N/A

Weather Conditions: 43°F Overcast Wind Speed & Direction: ENE 10 mph

Instrument Make Model & Serial Number:
Mini RAE Lite
Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m³

N E Air Monitoring Locations S W

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
7:00	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			
8:00	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			
9:00	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			
10:00	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			
11:00	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			
12:00	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			
13:00	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.010			
14:00	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: Truck tires rinsed with hose.

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental Engineering Solutions

DAILY AIR MONITORING RECORD FORM

Date: 12/24/14 Project Name/Location: Phipps P/929

Site Safety Officer: N/A

Weather Conditions: 44°F Overcast Wind Speed & Direction: E 6 Mph

Instrument Make Model & Serial Number:
Mini RAE Lite
Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m³

N E S W Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
7:00	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			
8:00	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			
9:00	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used:

Notes/Comments:
Left Early due to the main crew not showing up as expected

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental Engineering Solutions

DAILY AIR MONITORING RECORD FORM

Date: 12-29-2014 Project Name/Location: Phipps East 25th St, NY

Site Safety Officer: N/A

Weather Conditions: 35° Partly cloudy Wind Speed & Direction: WNW 5 mph

Instrument Make Model & Serial Number: MINIRAE Lite (PGM-7300), Thermo (PDR-1000)

Background Readings: 0.0 ppm / 0.000 mg/m³

Air Monitoring Locations: N, S, E, W

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
7:30	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Excavating Soil
8:00	0.0	0.000	0.0	0.003	0.0	0.006	0.0	0.000			Excavating Soil
9:00	0.0	0.005	0.0	0.008	0.0	0.004	0.0	0.000			Excavating Soil
10:00	0.0	0.013	0.0	0.018	0.0	0.011	0.0	0.025			Excavating Soil
11:00	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			No Activity
12:00	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			No Activity
13:00	0.0	0.014	0.0	0.014	0.0	0.010	0.0	0.012			Excavating Soil
14:00	0.0	0.006	0.0	0.008	0.0	0.000	0.0	0.010			Excavating Soil
15:00	0.0	0.017	0.0	0.016	0.0	0.015	0.0	0.018			Excavating Soil

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: None.

Notes/Comments: 13 load of truck went out.

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental Engineering Solutions

DAILY AIR MONITORING RECORD FORM

Date: 12-30-2014 Project Name/Location: Phipps plaza / East 25th

Site Safety Officer: N/A

Weather Conditions: 30°, partially cloudy Wind Speed & Direction: 0.0mph N

Instrument Make Model & Serial Number: MiniRAE Lite (PGM 7300), Thermo (pDR 1000)

Background Readings: 0.0 ppm / 0.000 mg/m3

Air Monitoring Locations

N S E W

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
7:15	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			
8:00	0.0	0.009	0.0	0.000	0.0	0.003	0.0	0.000			
9:00	0.0	0.023	0.0	0.005	0.0	0.000	0.0	0.010			
10:00	0.0	0.025	0.0	0.000	0.0	0.021	0.0	0.006			
11:00	0.0	0.018	0.0	0.000	0.0	0.015	0.0	0.000			
12:00	0.0	0.025	0.0	0.020	0.0	0.021	0.0	0.023			
13:00	0.0	0.000	0.0	0.002	0.0	0.001	0.0	0.002			
14:00	0.0	0.003	0.0	0.023	0.0	0.008	0.0	0.000			

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: None

Notes/Comments:

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental Engineering Solutions

DAILY AIR MONITORING RECORD FORM

Date: 12-31-2014 Project Name/Location: East 25th St, NYC. / Phipps Plaza

Site Safety Officer: N/A

Weather Conditions: 28° fair Wind Speed & Direction: WNW 8mph, 54% humidity, pressure 30.36 in

Instrument Make Model & Serial Number: MiniRAE Lite (PGM 7300), Thermo (pDR 1000)

Background Readings: 0.0ppm / 0.000 mg/m³

Air Monitoring Locations — N S E W

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
7:30	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			
8:00	0.0	0.000	0.0	0.000	0.0	0.004	0.0	0.000			
9:00	0.0	0.000	0.0	0.014	0.0	0.003	0.0	0.000			
10:00	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			
11:00	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used:

Notes/Comments:

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental Engineering Solutions

DAILY AIR MONITORING RECORD FORM

Date: 1/5/15 Project Name/Location: Phipps Plaza

Site Safety Officer: N/A

Weather Conditions: 42°F, Mostly Cloudy Wind Speed & Direction: W 9 mph

Instrument Make Model & Serial Number: Mini RAE Lite (PGM7300)
Thermo PDR (PDR 1000)

Background Readings: 0.0 ppm / 0.000 mg/m³

N E S W Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
7:00	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			
8:00	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			
9:00	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			
10:00	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			
11:00	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			
12:00	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental Engineering Solutions

DAILY AIR MONITORING RECORD FORM

Date: 1/6/15 Project Name/Location: Phipps Plaza

Site Safety Officer: N/A

Weather Conditions: 19°F Cloudy Wind Speed & Direction: N 1Mph

Instrument Make Model & Serial Number: Mini RAELite Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m³

N E S W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
7:00	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			
8:00	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			
9:00	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			
10:00	0.0	0.000	0.0	0.003	0.0	0.010	0.0	0.000			
11:00	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			
12:00	0.0	0.000	0.1	0.000	0.0	0.000	0.0	0.000			
13:00	0.0	0.000	0.0	0.002	0.0	0.016	0.0	0.000			
14:00	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: Test Pits dug and refilled. ** End point samples 002 and 001 look to be unattainable due to groundwater. Pits were not dug in the vicinity of 004 or 005.

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental Engineering Solutions

DAILY AIR MONITORING RECORD FORM

Date: 2/10/15 Project Name/Location: Phipps Plaza

Site Safety Officer: Michael Gaul

Weather Conditions: 26°F, Cloudy Wind Speed & Direction: ENE 12 mph

Instrument Make Model & Serial Number:
Thermo PDR
Mini Rae Lite

Background Readings: 0.0 ppm, 0.000 mg/m³

N S E W Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
0700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Prestart
0800	0.0	0.000	0.0	0.000	0.0	0.002	0.0	0.003			Test Pits
0900	0.0	0.000	0.0	0.004	0.0	0.003	0.0	0.016			Test Pits
1000	0.0	0.006	0.0	0.013	0.0	0.004	0.0	0.008			Test Pits
1100	0.0	0.000	0.0	0.004	0.0	0.003	0.0	0.001			Test Pits
1200	0.0	0.002	0.0	0.003	0.0	0.003	0.0	0.023			Test Pits
13:00	0.0	0.005	0.0	0.006	0.1	0.011	0.0	0.000			Test Pits
14:00	0.0	0.005	0.0	0.006	0.0	0.012	0.0	0.005			Finish Test Pits
15:00	0.0	0.001	0.0	0.004	0.0	0.001	0.0	0.001			Tank Cleaning
16:00	0.0	0.000	0.0	0.003	0.0	0.001	0.0	0.000			Finish

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: UST unearthed at 12:10. Tank contractor set up to pump out any fluid/sludge inside and dispose of tank

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental Engineering Solutions

DAILY AIR MONITORING RECORD FORM

Date: 2/11/15 Project Name/Location: Phipps Plaza

Site Safety Officer: Michael Gaul

Weather Conditions: 23°F, Partly Cloudy Wind Speed & Direction: NNE 10 mph

Instrument Make Model & Serial Number:
Thermo PDR
Mini Rae Lite

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
810	0.0	0.005	0.0	0.009	0.0	0.006	0.0	0.000			
900	0.0	0.000	0.0	0.003	0.0	0.005	0.0	0.002			
1000	0.0	0.0000	0.0	0.008	0.0	0.006	0.0	0.000			
1100	0.0	0.001	0.0	0.007	0.1	0.002	0.0	0.000			
1200	0.0	0.002	0.0	0.003	0.0	0.000	0.0	0.007			
1250	0.0	0.000	0.0	0.002	0.0	0.000	0.0	0.001			

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental Engineering Solutions

DAILY AIR MONITORING RECORD FORM

Date: Feb-18-2015 Project Name/Location: PHG-1301

Site Safety Officer: Ryan Morley

Weather Conditions: Sunny, 30° Wind Speed & Direction: 3 Mph / W

Instrument Make Model & Serial Number:

Background Readings: See 7:00 Readings

Air Monitoring Locations

Time	~~Station 1~~ E		~~Station 2~~ N		~~Station 3~~ W		~~Station 4~~ S		~~Station 5~~ Center		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.020	0.0	0.021	0.0	0.013	0.0	0.011	0.0	0.010	Pre Work
800	0.0	0.015	0.0	0.016	0.0	0.017	0.0	0017	0.0	0.017	No activity
900	0.0	0.011	0.0	0.026	0.0	0.021	0.0	0.021	0.0	0.020	Loading Trucks
1000	0.0	0.009	0.0	0.010	0.0	0.010	0.0	0028	0.0	0.026	Loading Trucks
1100	0.0	0.023	0.0	0.021	0.0	0.019	0.0	0.011	0.0	0.011	Loading Trucks
1200	0.0	0.028	0.0	0.014	0.0	0.026	0.0	0.020	0.0	0.017	Soil Crushing
1300	0.0	0.019	0.0	0.026	0.0	0.029	0.0	0.028	0.0	0.031	Soil Crushing
1900	0.0	0.037	0.0	0.032	0.0	0.061	0.0	0.022	0.0	0.022	Soil Crushing

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: None

Notes/Comments:

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental Engineering Solutions

DAILY AIR MONITORING RECORD FORM

Date: 2/23/15 Project Name/Location: PHC 1301

Site Safety Officer: Michael Gaul

Weather Conditions: 32°F, Cloudy Wind Speed & Direction: NW 12mph

Instrument Make Model & Serial Number:
Mine Rae Lite
Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			
800	0.0	0.007	0.0	0.015	0.0	0.015	0.0	0.006			
900	0.0	0.013	0.0	0.008	0.0	0.015	0.0	0.007			
1000	0.0	0.006	0.0	0.010	0.0	0.003	0.0	0.008			
1100	0.0	0.012	0.0	0.011	0.0	0.004	0.0	0.006			
1200	0.0	0.003	0.0	0.007	0.0	0.006	0.0	0.000			
1300	0.0	0.002	0.0	0.007	0.0	0.011	0.0	0.002			
1400	0.0	0.003	0.0	0.005	0.0	0.005	0.0	0.003			
1500	0.0	0.000	0.0	0.003	0.0	0.007	0.0	0.000			

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental Engineering Solutions

DAILY AIR MONITORING RECORD FORM

Date: 2/24/15 Project Name/Location: PHG B01

Site Safety Officer: Michael Gaul

Weather Conditions: 5°F, Partly Cloudy Wind Speed & Direction: WNW 6 mph

Instrument Make Model & Serial Number: Mini RAE Lite
Thermo PPR

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Prestart
800	0.0	0.002	0.0	0.007	0.0	0.003	0.0	0.003			Railing Construction
900	0.0	0.003	0.0	0.003	0.0	0.003	0.0	0.000			Railing Construction
1000	0.0	0.007	0.0	0.011	0.0	0.062	0.0	0.008			Railing install
1100	0.0	0.004	0.0	0.015	0.0	0.010	0.0	0.011			Soil Shifting
1200	0.0	0.003	0.0	0.007	0.0	0.002	0.0	0.000			Break
1300	0.0	0.000	0.0	0.003	0.0	0.003	0.0	0.000			Soil Movement
1400	0.0	0.008	0.0	0.005	0.0	0.006	0.0	0.002			Picking Up Site
1500	0.0	0.003	0.0	0.002	0.0	0.007	0.0	0.009			Cleaning Up

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental Engineering Solutions

DAILY AIR MONITORING RECORD FORM

Date: 2-25-15 Project Name/Location: PHG 130

Site Safety Officer: Michael Gaul

Weather Conditions: 24°F Cloudy Wind Speed & Direction: N 3 mph

Instrument Make Model & Serial Number: Mini Rae Lite
Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Prepping for trucks
800	0.0	0.002	0.0	0.003	0.0	0.008	0.0	0.011			Truck filling
900	0.0	0.011	0.0	0.007	0.0	0.010	0.0	0.011			Soil Shifting
1000	0.0	0.010	0.0	0.025	0.0	0.008	0.0	0.011			Wall Cutting
1100	0.0	0.008	0.0	0.002	0.0	0.017	0.0	0.011			Soil Removal
1200	0.0	0.014	0.0	0.011	0.0	0.008	0.0	0.007			Soil Shifting
1300	0.0	0.008	0.0	0.002	0.0	0.014	0.0	0.015			Soil Shifting
1400	0.0	0.015	0.0	0.015	0.0	0.024	0.0	0.002			Loading Truck
1500	0.0	0.009	0.0	0.008	0.0	0.009	0.0	0.022			

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental Engineering Solutions

DAILY AIR MONITORING RECORD FORM

Date: 2-26-15 Project Name/Location: PHG1301

Site Safety Officer: Michael Gaul

Weather Conditions: 23°F, cloudy Wind Speed & Direction: NE 10Mph

Instrument Make Model & Serial Number:
Mini Rae Lite
ThermoPDR

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
7:00	0.0	0.000	0.0	0.002	0.0	0.003	0.0	0.002			Pre start
8:00	0.0	0.000	0.0	0.010	0.0	0.001	0.0	0012			Cutting wall
900	0.0	0.000	0.0	0.001	0.0	0.002	0.0	0 000			Soil Shifting
1000	0.0	0.000	0.0	0.001	0.0	0.002	0.0	0.001			Cutting wall
1100	0.0	0.005	0.0	0.020	0.0	0.001	0.0	0.011			Truck Loading
1200	0.0	0.004	0.0	0.006	0.0	0.001	0.0	0.005			Soil Shifting
1300	0.0	0.003	0.0	0.005	0.0	0.007	0.0	0.000			Cutting wall
1400	0.0	0.005	0.0	0.008	0.0	0.002	0.0	0.007			Cutting wall
1500	0.0	0.008	0.0	0.001	0.0	0.002	0.0	0.011			Cutting wall

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental Engineering Solutions

DAILY AIR MONITORING RECORD FORM

Date: 2-27-15 Project Name/Location: PHG 1301

Site Safety Officer: Michael Gaul

Weather Conditions: 19°F Mostly cloudy Wind Speed & Direction: N 5 mph

Instrument Make Model & Serial Number:
MiniRAE Lite
Thermo PDR-

Background Readings: 0.0 ppm | 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.006	0.0	0.000			Restart
800	0.0	0.000	0.0	0.000	0.0	0.002	0.0	0.000			Setting up to cut
900	0.0	0.000	0.0	0.003	0.0	0.007	0.0	0.000			setting up
1000	0.0	0.003	0.0	0.005	0.0	0.000	0.0	0.013			Cutting wall
1100	0.0	0.003	0.0	0.007	0.0	0.000	0.0	0.004			Cutting wall
1200	0.0	0.003	0.0	0.010	0.0	0.000	0.0	0.005			Grading / framing
1300	0.0	0.003	0.0	0.003	0.0	0.000	0.0	0.010			Shifting soil
1400	0.0	0.007	0.0	0.020	0.0	0.003	0.0	0.007			Building frame
1500	0.0	0.000	0.0	0.002	0.0	0.000	0.0	0.000			

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental Engineering Solutions

DAILY AIR MONITORING RECORD FORM

Date: 3/2/15 Project Name/Location: PHG 1301

Site Safety Officer: Michael Gaul

Weather Conditions: 31°F Cloudy Wind Speed & Direction: N 3mph

Instrument Make Model & Serial Number:
Mini Rae Lite
Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			No Activity
800	0.0	0.020	0.0	0.026	0.0	0.010	0.0	0.019			Snow Removal
900	0.0	0.024	0.0	0.021	0.0	0.016	0.0	0.020			VB Install
1000	0.0	0.018	0.0	0.014	0.0	0.021	0.0	0.031			VB Install
1100	0.0	0.020	0.0	0.018	0.0	0.022	0.0	0.017			Rebar Install
1200	0.0	0.011	0.0	0.013	0.0	0.017	0.0	0.016			Rebar Install
1300	0.0	0.016	0.0	0.020	0.0	0.011	0.0	0.017			Cutting Wall
1400	0.0	0.007	0.0	0.000	0.0	0.005	0.0	0.000			Drill Rebar
1500	0.0	0.012	0.0	0.007	0.0	0.018	0.0	0.020			

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: NA

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental Engineering Solutions

DAILY AIR MONITORING RECORD FORM

Date: 3/3/15 Project Name/Location: PHG 1301

Site Safety Officer: Michael Gaul

Weather Conditions: 23°F Clear Wind Speed & Direction: N 0 mph

Instrument Make Model & Serial Number:
MiniRae Lite
Thermopdr

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			No Activity
800	0.1	0.011	0.0	0.010	0.0	0.008	0.0	0.014			Cutting wall
900	0.0	0.013	0.0	0.008	0.0	0.010	0.0	0.016			Cutting wall
1000	0.0	0.010	0.0	0.008	0.0	0.005	0.0	0.009			Cutting Wall
1100	0.0	0.005	0.0	0.002	0.0	0.000	0.0	0.001			Rebar Inspection
1200	0.0	0.000	0.0	0.004	0.0	0.007	0.0	0.007			Cutting wall
1300	0.0	0.008	0.0	0.009	0.0	0.002	0.0	0.013			Concrete leveling
1400	0.0	0.002	0.0	0.003	0.0	0.000	0.0	0.000			Cutting wall
1500	0.0	0.003	0.0	0.004	0.0	0.000	0.0	0.008			Cutting wall

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental Engineering Solutions

DAILY AIR MONITORING RECORD FORM

Date: 3/4/15 Project Name/Location: PHG1301

Site Safety Officer: Michael Gaul

Weather Conditions: 36°F, Rain Wind Speed & Direction: WSW 6 mph

Instrument Make Model & Serial Number:
Mini Rae Lite
Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m^3

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			No Activity
800	0.0	0.036	0.0	0.034	0.0	0.018	0.0	0.033			Cutting wall
900	0.0	0.025	0.0	0.030	0.0	0.011	0.0	0.033			Cutting wall
1000	0.0	0.030	0.0	0.034	0.0	0.021	0.0	0.034			Building Forms
1100	0.0	0.039	0.0	0.039	0.0	0.026	0.0	0.039			Building Forms
1200	0.0	0.035	0.0	0.036	0.0	0.024	0.0	0.034			Install Rebar
1300	0.0	0.039	0.0	0.041	0.0	0.023	0.0	0.041			Install Rebar
1400	0.0	0.043	0.0	0.042	0.0	0.028	0.0	0.050			Grading Soil
1500	0.0	0.040	0.0	0.035	0.0	0.019	0.0	0.037			

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m^3

PWGC
Strategic Environmental Engineering Solutions

DAILY AIR MONITORING RECORD FORM

Date: 3/5/15 Project Name/Location: PHG 1301

Site Safety Officer: Michael Gaul

Weather Conditions: 30°F, Snow Wind Speed & Direction: N 7 mph

Instrument Make Model & Serial Number:
Mini Rae Lite
Thermo 8PQL

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
7am	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Mobilizing
800	0.0	0.012	0.0	0.015	0.0	0.007	0.0	0.013			Setting up HTL
900	0.0	0.011	0.0	0.016	0.0	0.009	0.0	0.012			Marking wall
1000	0.0	0.007	0.0	0.000	0.0	0.000	0.0	0.000			Marking wall
Noon	0.0	0.000	0.0	0.001	0.0	0.000	0.0	0.002			Weather Stoppage
1200	0.0	0.021	0.0	0.018	0.0	0.011	0.0	0.013			Cutting wall
1300	0.0	0.004	0.0	0.002	0.0	0.000	0.0	0.001			Cutting wall
Now	0.0	0.004	0.0	0.005	0.0	0.001	0.0	0.002			Cutting wall
1500	0.0	0.008	0.0	0.000	0.0	0.007	0.0	0.007			Cutting wall

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental Engineering Solutions

DAILY AIR MONITORING RECORD FORM

Date: 3/6/15 Project Name/Location: PHG 1301

Site Safety Officer: Michael Gaul

Weather Conditions: 13°F, Partly Cloudy Wind Speed & Direction: N 5 mph

Instrument Make Model & Serial Number:
Mini Rae Lite
Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m^3

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			No Activity
800	0.0	0.004	0.0	0.000	0.0	0.000	0.0	0.001			Building Forms
900	0.0	0.002	0.0	0.007	0.0	0.000	0.0	0.005			Cutting Wall
1000	0.0	0.003	0.0	0.006	0.0	0.001	0.0	0.004			Cutting Wall
1100	0.0	0.001	0.0	0.005	0.0	0.002	0.0	0.005			Building forms
1200	0.0	0.002	0.0	0.003	0.0	0.001	0.0	0.004			Cutting Wall
1300	0.0	0.005	0.0	0.000	0.0	0.000	0.0	0.001			Lunch
1400	0.0	0.006	0.0	0.010	0.0	0.007	0.0	0.006			Concrete Chipping

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m^3

PWGC
Strategic Environmental Engineering Solutions

DAILY AIR MONITORING RECORD FORM

Date: 3/9/15 Project Name/Location: PHG1301

Site Safety Officer: Michael Gaul

Weather Conditions: 42°F, Cloudy Wind Speed & Direction: NE 5 mph

Instrument Make Model & Serial Number:
Mini Rae Lite
Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			No activity
800	0.0	0.007	0.0	0.002	0.0	0.004	0.0	0.005			Cutting Wall
900	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Cutting Wall
1000	0.0	0.001	0.0	0.000	0.0	0.000	0.0	0.000			Building forms
1100	0.0	0.001	0.0	0.002	0.0	0.000	0.0	0.000			Cutting Walls
1200	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Cutting Wall
1300	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Cutting Wall
1400	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Pouring Concrete
1500	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Cutting Wall

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental Engineering Solutions

DAILY AIR MONITORING RECORD FORM

Date: 3/10/15 Project Name/Location: PAC 301

Site Safety Officer: Michael Gaul

Weather Conditions: 43°F Clear Wind Speed & Direction: N 0MPH

Instrument Make Model & Serial Number:
MiniRae Lite
Thermo PDR

Background Readings: 0.0 ppm / 0.001 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			No activity
800	0.0	0.016	0.0	0.022	0.0	0.011	0.0	0.021			cutting wall
900	0.0	0.025	0.0	0.024	0.0	0.010	0.0	0.019			cutting wall
1000	0.0	0.043	0.0	0.026	0.0	0.015	0.0	0.026			Assembling forms
1100	0.0	0.023	0.0	0.029	0.0	0.019	0.0	0.020			cutting wall
1200	0.0	0.011	0.0	0.011	0.0	0.010	0.0	0.019			Cutting wall
1300	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.002			Assembling forms
1400	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Assembling forms
1500	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Cutting wall

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental Engineering Solutions

DAILY AIR MONITORING RECORD FORM

Date: 3/11/15 Project Name/Location: PHG 1301

Site Safety Officer: Michael Gaul

Weather Conditions: 45°F Cloudy Wind Speed & Direction: N 3 mph

Instrument Make Model & Serial Number:
MiniRAE Lite
ThermoPDR

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.001			No activity
800	0.0	0.000	0.0	0.002	0.0	0.000	0.0	0.004			Cutting wall
900	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Installing Rebar
1000	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.001			Cutting wall
1100	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Cutting wall
1200	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Cutting wall
1300	0.0	0.000	0.0	0.002	0.0	0.000	0.0	0.000			Cutting wall
1400	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Cutting wall
1500	0.0	0.000	0.0	0.001	0.0	0.000	0.0	0.003			Cutting wall

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental Engineering Solutions

DAILY AIR MONITORING RECORD FORM

Date: 3/12/15 Project Name/Location: PHG 130.1

Site Safety Officer: Michael Gaul

Weather Conditions: 42°F, clear Wind Speed & Direction: WNW 10 mph

Instrument Make Model & Serial Number:
Mini Rae Lite
Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m^3

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			No Activity
800	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Cutting Wall
900	0.0	0.000	0.0	0.002	0.0	0.000	0.0	0.003			Stripping forms
1000	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Cutting Wall
1100	0.0	0.000	0.0	0.002	0.0	0.000	0.0	0.002			Soil Shifting
1200	0.0	0.001	0.0	0.005	0.0	0.000	0.0	0.003			Waterproofing
1300	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Lunch
1400	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Cutting Wall
1500	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Cutting Wall

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m^3

PWGC
Strategic Environmental Engineering Solutions

DAILY AIR MONITORING RECORD FORM

Date: 3/13/15 Project Name/Location: PHG.1301

Site Safety Officer: Michael Gaul

Weather Conditions: 33°F Clear Wind Speed & Direction: ENE 7 mph

Instrument Make Model & Serial Number: Mini Rae Lite
Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.001	0.0	0.000	0.0	0.000			No Activity
800	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Cutting Wall
900	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Cutting Wall
1000	0.0	0.000	0.0	0.002	0.0	0.000	0.0	0.000			Cutting Wall
1100	0.0	0.001	0.0	0.003	0.0	0.000	0.0	0.004			Cutting Wall
1200	0.0	0.000	0.0	0.005	0.0	0.000	0.0	0.003			Cutting Wall
1300	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Lunch
1400	0.0	0.000	0.0	0.002	0.0	0.000	0.0	0.000			Cutting Wall
1500	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.001			Cutting Wall

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental Engineering Solutions

DAILY AIR MONITORING RECORD FORM

Date: 3/16/15 Project Name/Location: PHG 1301

Site Safety Officer: Michael Gaul

Weather Conditions: 35°F Clear Wind Speed & Direction: W 5 mph

Instrument Make Model & Serial Number: Mini RAE Lite
ThermoPro

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			No Activity
800	0.0	0.000	0.0	0.001	0.0	0.000	0.0	0.003			Chipping wall
900	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Chipping wall
1000	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.004			Chipping wall
1100	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.002			Shifting debris
1200	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.010			Cutting wall
1300	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Lunch
1400	0.0	0.000	0.0	0.001	0.0	0.001	0.0	0.002			Cutting wall
1500	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Cutting wall

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental Engineering Solutions

DAILY AIR MONITORING RECORD FORM

Date: 3/17/15 Project Name/Location: PHG 301

Site Safety Officer: Michael Gaul

Weather Conditions: 49°F, Rain Wind Speed & Direction: N 3 mph

Instrument Make Model & Serial Number:
Mini Rae Lite
Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			No activity
800	0.0	0.004	0.0	0.010	0.0	0.000	0.0	0.005			demo wall
900	0.0	0.009	0.0	0.011	0.0	0.004	0.0	0.011			demo wall
1000	0.0	0.019	0.0	0.020	0.0	0.010	0.0	0.024			demo wall
1100	0.0	0.002	0.0	0.004	0.0	0.000	0.0	0.001			demo wall
1200	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			demo wall
1300	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Lunch
1400	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			demo wall
1500	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			demo wall

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental Engineering Solut

DAILY AIR MONITORING RECORD FORM

Date: 3/18/2015 Project Name/Location: PHG B01

Site Safety Officer: Michael Gaul

Weather Conditions: 31°F Clear Wind Speed & Direction: W.NW 15 mph

Instrument Make Model & Serial Number:
Mini Raelite
Thermo PPM

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			No Activity
800	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Demo Wall
900	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Demo Wall
1000	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Demo Wall
1100	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Demo Wall
1200	0.0	0.000	0.0	0.001	0.0	0.000	0.0	0.002			Demo Wall
1300	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Lunch
1400	3.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Shifting Soil
1500	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Demo Wall

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: NA

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental Engineering Solut

DAILY AIR MONITORING RECORD FORM

Date: 3/19/15 Project Name/Location: PHG1301

Site Safety Officer: Michael Gaul

Weather Conditions: 30°F, Clear Wind Speed & Direction: WNW 8mph

Instrument Make Model & Serial Number:
Mini Rae Lite
Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			No Activity
800	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Demo Wall
900	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Demo Wall
1000	0.0	0.001	0.0	0.003	0.0	0.000	0.0	0.005			Demo Wall
1100	0.0	0.000	0.0	0.001	0.0	0.000	0.0	0.002			Demo Wall
1200	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.001			Demo Wall
1300	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Demo Wall
1400	0.0	0.001	0.0	0.000	0.0	0.003	0.0	0.001			Demo Wall
1500	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Demo Wall

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: NA

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental Engineering Soluti

DAILY AIR MONITORING RECORD FORM

Date: 3/20/15 Project Name/Location: PHG 1301

Site Safety Officer: Michael Gaul

Weather Conditions: 34°F Clear Wind Speed & Direction: N 6 mph

Instrument Make Model & Serial Number:
Mini Rae Lite
Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Setting Up
800	0.0	0.002	0.0	0.003	0.0	0.008	0.0	0.000			Demo Wall
900	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Demo Wall
1000	0.0	0.001	0.0	0.003	0.0	0.000	0.0	0.007			Demo Wall
1100	0.0	0.020	0.0	0.011	0.0	0.059	0.0	0.007			Demo Wall
1200	0.0	0.012	0.0	0.001	0.0	0.018	0.0	0.017			Demo Wall
1300	0.0	0.000	0.0	0.011	0.0	0.007	0.0	0.014			Backfilling
1400	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Demo Wall
1500	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Soil Shifting

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental Engineering Solu

DAILY AIR MONITORING RECORD FORM

Date: 3/24/15

Project Name/Location: PAG 1301

Site Safety Officer: Michael Gaul

Weather Conditions: 26°F, Clear

Wind Speed & Direction: N 5 mph

Instrument Make Model & Serial Number:
Mini Rae Lite
Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Soil Removal Dig
800	0.0	0.001	0.0	0.000	0.0	0.000	0.0	0.000			Install pilings
900	0.0	0.001	0.0	0.002	0.0	0.000	0.0	0.001			Install pilings
1000	0.0	0.006	0.0	0.011	0.0	0.062	0.0	0.012			Install pilings
1100	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Install Pilings
1200	0.0	0.023	0.0	0.012	0.000	0.000	0.0	0.026			Install Pilings
1300	0.0	0.010	0.0	0.023	0.0	0.000	0.0	0.011			Install Pilings
1400	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Install Pilings
1500	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Install Pilings

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental Engineering Solu

DAILY AIR MONITORING RECORD FORM

Date: 3/23/15 Project Name/Location: PHG B01

Site Safety Officer: Michael Gaul

Weather Conditions: 25°F Clear Wind Speed & Direction: N 6mph

Instrument Make Model & Serial Number: Mini RAE Lite
Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			
800	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			No Activity
900	0.0	0.001	0.0	0.002	0.0	0.000	0.0	0.000			~~Hauling~~ Shifting debris
1000	0.0	0.002	0.0	0.001	0.0	0.000	0.0	0.000			Demo Wall
1100	0.0	0.000	0.0	0.002	0.0	0.000	0.0	0.000			Shifting Soil
1200	0.0	0.000	0.0	0.000	0.0	0.002	0.0	0.001			Install pilings
1300	0.0	0.003	0.0	0.002	0.0	0.007	0.0	0.034			Install pilings
1400	0.0	0.000	0.0	0.001	0.0	0.000	0.0	0.000			Install Pilings
1500	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Cutting concrete
											Cleaning up

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

200,000

Bruce

631-242-6507

PWGC
Strategic Environmental Engineering Solutions

DAILY AIR MONITORING RECORD FORM

Date: 3/25/15

Project Name/Location: PHG 1301

Site Safety Officer: Michael Gaul

Weather Conditions: 35°F Clear

Wind Speed & Direction: N 3 mph

Instrument Make Model & Serial Number:
Mini Rae Lite
Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			No activity
800	0.0	0.017	0.0	0.016	0.0	0.028	0.0	0.018			Install Piles
900	0.0	0.000	0.0	0.002	0.0	0.002	0.0	0.024			Install Piles
1000	0.0	0.002	0.0	0.003	0.0	0.004	0.0	0.006			Piling Install stop
1100	0.0	0.001	0.0	0.001	0.0	0.003	0.0	0.000			Install Piling
1200	0.0	0.006	0.0	0.026	0.0	0.000	0.0	0.005			Install Piles
1300	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Install Piles
1400	0.0	0.000	0.0	0.006	0.0	0.000	0.0	0.000			Install Piles
1500	0.0	0.000	0.0	0.003	0.0	0.002	0.0	0.000			Install Piles

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental Engineering

DAILY AIR MONITORING RECORD FORM

Date: 3/26/15 Project Name/Location: PHC 1301

Site Safety Officer: Michael Gaul

Weather Conditions: 44°F, Overcast Wind Speed & Direction: W 5 mph

Instrument Make Model & Serial Number:
Mini Rae Lite
Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			
800	0.0	0.026	0.0	0.010	0.0	0.028	0.0	0.026			No Activity
900	0.0	0.027	0.0	0.007	0.0	0.026	0.0	0.031			Install Piles
1000	0.0	0.062	0.0	0.013	0.0	0.028	0.0	0.022			Chipping Concrete
1100	0.0	0.031	0.0	0.020	0.0	0.018	0.0	0.024			Install Piles
1200	0.0	0.052	0.0	0.013	0.0	0.061	0.0	0.032			Install Piles
1300	0.0	0.005	0.0	0.006	0.0	0.007	0.0	0.03			Install Piles
1400	0.0	0.022	0.0	0.010	0.0	0.014	0.012	0.012			Install Piles
1500	0.0	0.023	0.0	0.022	0.0	0.026	0.0	0.013			Install Piles & Soil Shifting

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental Engineering

DAILY AIR MONITORING RECORD FORM

Date: 3/27/15 Project Name/Location: PHG1301

Site Safety Officer: Michael Gaul

Weather Conditions: 39°F, Rain Wind Speed & Direction: NW 5 mph

Instrument Make Model & Serial Number:
Mini Rae Lite
Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
705	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			
800	0.0	0.036	0.0	0.018	0.0	0.022	0.0	0.017			No activity
900	0.0	0.022	0.0	0.003	0.0	0.012	0.0	0.014			Install Piles
1000	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Install Piles
1100	0.0	0.022	0.0	0.008	0.0	0.007	0.0	0.016			Install Piles
1200	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Install Piles
1300	0.0	0.007	0.0	0.003	0.0	0.004	0.0	0.009			Install Piles
1400	0.0	0.000	0.0	0.005	0.0	0.012	0.0	0.007			Install Piles
1500	0.0	0.010	0.0	0.008	0.0	0.014	0.0	0.012			Cleaning Site

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental Engineering Solu

DAILY AIR MONITORING RECORD FORM

Date: 3/30/15 Project Name/Location: PHG 1301

Site Safety Officer: Michael Gaul

Weather Conditions: 39°F Partly Cloudy Wind Speed & Direction: N 7 mph

Instrument Make Model & Serial Number: Mini Rae Lite
Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			
800	0.0	0.010	0.0	0.012	0.0	0.015	0.0	0.022			Prep for drilling
900	0.0	0.005	0.0	0.002	0.0	0.008	0.0	0.001			Install Piles
1000	0.0	0.006	0.0	0.000	0.0	0.004	0.0	0.012			Install Piles
1100	0.0	0.012	0.0	0.001	0.0	0.008	0.0	0.007			Install Piles
1200	0.0	0.000	0.0	0.012	0.0	0.009	0.0	0.008			Install Piles
1300	0.0	0.023	0.0	0.006	0.0	0.010	0.0	0.002			Install Piles
1400	0.0	0.012	0.0	0.006	0.0	0.007	0.0	0.005			Install Piles
1500	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Cleaning site

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental Engineer

DAILY AIR MONITORING RECORD FORM

Date: 3/31/15

Project Name/Location: PIAC 1309

Site Safety Officer: Michael Gaul

Weather Conditions: 42°F, Cloudy

Wind Speed & Direction: WNW 7 mph

Instrument Make Model & Serial Number: Mini Rae Lite
Therma PPB

Background Readings: 0.0 ppm / 0.000 mg / m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.006	0.0	0.000			No activity
800	0.0	0.012	0.0	0.003	0.0	0.010	0.0	0.008			Install Piles
900	0.0	0.011	0.0	0.003	0.0	0.002	0.0	0.005			Install Piles
1000	0.0	0.000	0.0	0.005	0.0	0.001	0.0	0.009			Adding tarping
1100	0.0	0.002	0.0	0.007	0.0	0.011	0.0	0.006			Add tarping
1200	0.0	0.004	0.0	0.008	0.0	0.013	0.0	0.007			Add tarping
1300	0.0	0.017	0.0	0.010	0.0	0.006	0.0	0.008			Install Piles
1400	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Add tarping
1500	0.0	0.000	0.0	0.002	0.0	0.004	0.0	0.000			Add tarping

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental Engineering

DAILY AIR MONITORING RECORD FORM

Date: 4/1/15 Project Name/Location: PIAG 1301

Site Safety Officer: Michael Geul

Weather Conditions: 33°F Clear Wind Speed & Direction: WNW 6 mph

Instrument Make Model & Serial Number:
Mini Rae Lite
Thermo pDR

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			
800	0.0	0.020	0.0	0.015	0.0	0.022	0.0	0.036			No activity
900	0.0	0.013	0.0	0.010	0.0	0.017	0.0	0.015			Shifting Sail
1000	0.0	0.000	0.0	0.006	0.0	0.006	0.0	0.003			Install Piles
1100	0.0	0.005	0.0	0.010	0.0	0.011	0.0	0.032			Install Piles
1200	0.0	0.000	0.0	0.011	0.0	0.005	0.0	0.010			Install piles
1300	0.0	0.000	0.0	0.005	0.0	0.003	0.0	0.003			
1400	0.0	0.002	0.0	0.003	0.0	0.004	0.0	0.000			Sail Shifting
1500	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.001			Install piles
											Cleaning

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

1000
50 cy

PWGC Strategic Environmental Engineer

DAILY AIR MONITORING RECORD FORM

Date: 4/2/15 Project Name/Location: PHG1301

Site Safety Officer: Michael Gaul

Weather Conditions: 42°F; Clear Wind Speed & Direction: W 3 mph

Instrument Make Model & Serial Number: Mini Rae Lite
Thermo PDR-

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			No Activity
800	0.0	0.017	0.0	0.010	0.0	0.016	0.0	0.008			Setting up
900	0.0	0.016	0.0	0.005	0.0	0.023	0.0	0.017			Install Piles
1000	0.0	0.038	0.0	0.021	0.0	0.015	0.0	0.035			Install Piles
1100	0.0	0.017	0.0	0.023	0.0	0.019	0.0	0.001			Install Piles
1200	0.0	0.001	0.0	0.003	0.0	0.000	0.0	0.005			Lunch
1300	0.0	0.004	0.0	0.004	0.0	0.006	0.0	0.012			Install piles
1400	0.0	0.000	0.0	0.005	0.0	0.000	0.0	0.003			Shift tail
1500	0.0	0.000	0.0	0.002	0.0	0.005	0.0	0.000			Cleaning Site

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental Engin

DAILY AIR MONITORING RECORD FORM

Date: 4/3/15 Project Name/Location: PHG 301

Site Safety Officer: Michael Gaul

Weather Conditions: 61°F: Cloudy Wind Speed & Direction: WSW 13mph

Instrument Make Model & Serial Number:
MiniRae Lite
Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			No activity
800	0.0	0.020	0.0	0.006	0.0	0.005	0.0	0.023			Sh. ft Soil
900	0.0	0.016	0.0	0.010	0.0	0.020	0.0	0.014			Dusty.
1000	0.0	0.007	0.0	0.005	0.0	0.003	0.0	0.002			Sh. ft Soil
1100	0.0	0.005	0.0	0.003	0.0	0.006	0.0	0.007			No activity
1200	0.0	0.003	0.0	0.010	0.0	0.002	0.0	0.003			Cleaning Site

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental Engine

DAILY AIR MONITORING RECORD FORM

Date: 4/6/14 Project Name/Location: PHG1301

Site Safety Officer: Michael Gaul

Weather Conditions: 44°F Clear Wind Speed & Direction: N 3mph

Instrument Make Model & Serial Number:
Mini Rae Lite
Thermo PDR

Background Readings: 0.0ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			No activity
800	0.0	0.013	0.0	0.013	0.0	0.010	0.0	0.011			Soil removal
900	0.0	0.008	0.0	0.017	0.0	0.014	0.0	0.012			Soil removal
1000	0.0	0.010	0.0	0.007	0.0	0.003	0.0	0.017			Drill piles
1100	0.0	0.013	0.0	0.001	0.0	0.012	0.0	0.037			Drill piles
1200	0.0	0.014	0.0	0.003	0.0	0.016	0.0	0.032			Drill piles
1300	0.0	0.000	0.0	0.006	0.0	0.006	0.0	0.000			Lunch
1400	0.0	0.017	0.0	0.022	0.0	0.032	0.0	0.006			Soil removal
1500	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Cleaning Site

Dust Suppressant Necessary: (Yes) or No

Dust Suppressant Used: Water Spray while driving piles

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental Engineer

DAILY AIR MONITORING RECORD FORM

Date: 4/7/15 Project Name/Location: PHG 1301

Site Safety Officer: Michael Gaul

Weather Conditions: 60°F Cloudy Wind Speed & Direction: N3 mph

Instrument Make Model & Serial Number: Mini Rae Lite
Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.006	0.0	0.006	0.0	0.000			
800	0.0	0.012	0.0	0.008	0.0	0.013	0.0	0.020			Soil Removal
900	0.0	0.013	0.0	0.000	0.0	0.001	0.0	0.016			Soil Removal
1000	0.0	0.009	0.0	0.010	0.0	0.003	0.0	0.013			Driving Piles
1100	0.0	0.006	0.0	0.003	0.0	0.010	0.0	0.011			Driving Piles
1200	0.0	0.007	0.0	0.006	0.0	0.004	0.0	0.005			Lagging Work
1300	0.0	0.003	0.0	0.001	0.0	0.004	0.0	0.020			Lunch
1400	0.0	0.010	0.0	0.012	0.0	0.007	0.0	0.021			Driving Piles
1500	0.0	0.004	0.0	0.005	0.0	0.001	0.0	0.004			Driving Piles
											Cleaning site

Dust Suppressant Necessary: (Yes) or No

Dust Suppressant Used: Water Spray while driving piles

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental Ex

DAILY AIR MONITORING RECORD FORM

Date: 4/8/15 Project Name/Location: PHG 1301

Site Safety Officer: Michael Gaul

Weather Conditions: 41°F, Cloudy Wind Speed & Direction: E 15mph

Instrument Make Model & Serial Number:
Mini Rae Lite
Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Prep for trucks
800	0.0	0.011	0.0	0.007	0.0	0.020	0.0	0.015			Seal Removal
900	0.0	0.036	0.0	0.021	0.0	0.025	0.0	0.037			Driving piles
1000	0.0	0.003	0.0	0.020	0.0	0.005	0.0	0.005			Soil Shifting
1100	0.0	0.002	0.0	0.007	0.0	0.000	0.0	0.003			Driving Piles
1200	0.0	0.000	0.0	0.004	0.0	0.020	0.0	0.053			Driving Piles
1300	0.0	0.007	0.0	0.002	0.0	0.013	0.0	0.011			Soil Removal
1400	0.0	0.012	0.0	0.004	0.0	0.007	0.0	0.005			Soil Removal
1500	0.0	0.000	0.0	0.002	0.0	0.000	0.0	0.002			Cleaning Site

Dust Suppressant Necessary: (Yes) or No

Dust Suppressant Used: Water Spray while driving piles

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental En

DAILY AIR MONITORING RECORD FORM

Date: 4/9/15 Project Name/Location: PHG B01

Site Safety Officer: Michael Gaul

Weather Conditions: 37°F; overcast Wind Speed & Direction: E 9 mph

Instrument Make Model & Serial Number: Mini Rae Lite
Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Setting UP
800	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Drilling piles
900	0.0	0.001	0.0	0.005	0.0	0.005	0.0	0.002			Drilling piles
1000	0.0	0.000	0.0	0.002	0.0	0.001	0.0	0.001			Drilling piles
1100	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Delivery
1200	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Lunch
1300	0.0	0.001	0.0	0.000	0.0	0.000	0.0	0.000			Install Pilings
1400	0.0	0.000	0.0	0.005	0.0	0.001	0.0	0.007			Install pilings
1500	0.0	0.007	0.0	0.045	0.0	0.007	0.0	0.030			Shift End

Dust Suppressant Necessary: (Yes) or No

Dust Suppressant Used: Water Spray during piling installation

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental Engine

DAILY AIR MONITORING RECORD FORM

Date: 4/10/15

Project Name/Location: PHC 1301

Site Safety Officer: Michael Gaul

Weather Conditions: 40°F, Rain

Wind Speed & Direction: NNE 5 mph

Instrument Make Model & Serial Number:
Mini Rae Lite
ThermoPDR

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			No activity
800	0.0	0.010	0.0	0.003	0.0	0.000	0.0	0.002			Driving piles
900	0.0	0.076	0.0	0.042	0.0	0.112	0.0	0.072			Moving rebar
1000	0.0	0.120	0.0	0.118	0.0	0.130	0.0	0.112			Drilling piles
1100	0.0	0.002	0.0	0.010	0.0	0.011	0.0	0.007			Exposing rock
1200	0.0	0.102	0.0	0.111	0.0	0.130	0.0	0.145			Lunch
1300	0.0	0.111	0.0	0.136	0.0	0.008	0.0	0.090			Exposing rock
1400	0.0	0.150	0.0	0.142	0.0	0.112	0.0	0.076			Exposing rock
1500	0.0	0.100	0.0	0.092	0.0	0.083	0.0	0.068			Exposing rock

Dust Suppressant Necessary: (Yes) or No

Dust Suppressant Used: Water spray on pilings

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental

DAILY AIR MONITORING RECORD FORM

Date: 4/13/15 Project Name/Location: PHG1301

Site Safety Officer: Michael Gaul

Weather Conditions: 51°F, Cloudy Wind Speed & Direction: N. 0 mph

Instrument Make Model & Serial Number:
Mini Rae Lite
Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			
800	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Prestart
900	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Soil Shifting
1000	0.0	0.002	0.0	0.010	0.0	0.007	0.0	0.025			
1100	0.0	0.000	0.0	0.012	0.0	0.011	0.0	0.000			Driving piles
1200	0.0	0.002	0.0	0.008	0.0	0.007	0.0	0.006			Stockpile soil
1300	0.0	0.000	0.0	0.000	0.0	0.004	0.0	0.000			Driving piles
1400	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Lunch
1500	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Drive piles
											Shifting Soil

Dust Suppressant Necessary: (Yes) or No

Dust Suppressant Used: Water spray while driving piles.

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental

DAILY AIR MONITORING RECORD FORM

Date: 4/14/15

Project Name/Location: PHG B01

Site Safety Officer: Michael Gaul

Weather Conditions: 59°F Cloudy

Wind Speed & Direction: WNW 6mph

Instrument Make, Model & Serial Number: MiniRae Lite
Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m3

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Soil removal
800	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Install Piles
900	0.0	0.000	0.0	0.004	0.0	0.002	0.0	0.000			Install Piles
1000	0.0	0.007	0.0	0.011	0.0	0.000	0.0	0.046			Chopping rock
1100	0.0	0.052	0.0	0.046	0.0	0.066	0.0	0.012			Chop rock
1200	0.0	0.011	0.0	0.002	0.0	0.007	0.0	0.003			Chop rock
1300	0.0	0.011	0.0	0.012	0.0	0.003	0.0	0012			Install Piles
1400	0.0	0.112	0.0	0.132	0.0	0.144	0.0	0.116			Chop rock
1500	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Cleaning up

Dust Suppressant Necessary: (Yes) or No

Dust Suppressant Used: Water spray while driving piles

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m3

PWGC
Strategic Environmental

DAILY AIR MONITORING RECORD FORM

Date: 4/15/15

Project Name/Location: PHG1301

Site Safety Officer: Michael Gaul

Weather Conditions: 51°F Clear

Wind Speed & Direction: N 0 mph

Instrument Make Model & Serial Number:
Mini Rae Lite
Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Start Pump Cribble
800	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Chop Bedrock
900	0.0	0.012	0.0	0.007	0.0	0.011	0.0	0.021			Install Piles
1000	0.0	0.000	0.0	0.036	0.0	0.045	0.0	0.011			Install piles
1100	0.0	0.000	0.0	0.004	0.0	0.005	0.0	0.000			Install Piles
1200	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Lunch
1300	0.0	0.007	0.0	0.010	0.0	0.011	0.0	0.015			Drill Piles
1400	0.0	0.012	0.0	0.021	0.0	0.023	0.0	0.001			Drill piles
1500	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Pull Shaft Soil

Dust Suppressant Necessary: (Yes) or No

Dust Suppressant Used: Water Spray while driving piles.

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental

DAILY AIR MONITORING RECORD FORM

Date: 4/16/15

Project Name/Location: PAG 1301

Site Safety Officer: Michael Cegul

Weather Conditions: 52°F Clear

Wind Speed & Direction: E 5 mph

Instrument Make Model & Serial Number:
Mini Rae Lite
Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			
800	0.0	0.112	0.0	0.118	0.0	0.125	0.0	0.132			Soil Removal
900	0.0	0.014	0.0	0.026	0.0	0.086	0.0	0.015			Install Pipes
1000	0.0	0.036	0.0	0.045	0.0	0.040	0.0	0.046			Chop rock
1100	0.0	0.054	0.0	0.021	0.0	0.014	0.0	0.063			Chop rock
1200	0.0	0.026	0.0	0.022	0.0	0.017	0.0	0.023			Chop rock
1300	0.0	0.017	0.0	0.032	0.0	0.023	0.0	0.011			Soil removal
1400	0.0	0.026	0.0	0.040	0.0	0.013	0.0	0.017			Drill pipe
1500	0.0	0.036	0.0	0.015	0.0	0.023	0.0	0.010			Chip rock
											Chip rock

Dust Suppressant Necessary: (Yes) or No

Dust Suppressant Used: Water spray while installing pipes and chopping bedrock

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental

DAILY AIR MONITORING RECORD FORM

Date: 4/17/15

Project Name/Location: PHG 1301

Site Safety Officer: Michael Gow

Weather Conditions: 55°F Rain Overcast

Wind Speed & Direction: N 5 mph

Instrument Make Model & Serial Number:
Mini Rae Lite
Thermo PDR

Background Readings: 0.0 ppm | 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Prestart
800	0.5	0.036	0.2	0.046	0.0	0.034	0.5	0.034			Prepping
900	0.1	0.041	0.0	0.037	0.0	0.047	0.0	0.041			Chop rock
1000	0.0	0.037	0.1	0.041	0.0	0.038	0.0	0.047			Install rebar
1100	0.0	0.035	0.1	0.047	0.0	0.070	0.0	0.036			Chip rock
1200	0.0	0.057	0.0	0.060	0.0	0.053	0.0	0.038			Chop rock
1300	0.0	0.055	0.0	0.051	0.0	0.051	0.0	0.060			Chip rock
1400	0.0	0.051	0.0	0.042	0.0	0.040	0.0	0.041			Chop rock
1500	0.0	0.044	0.0	0.040	0.0	0.000	0.0	0.010			Cleaning up

Dust Suppressant Necessary: (Yes) or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

HYD-PR-2253

PWGC
Strategic Environments

DAILY AIR MONITORING RECORD FORM

Date: 4/20/14

Project Name/Location: PHG 1301

Site Safety Officer: Michael Gaul

Weather Conditions: 47°F Cloudy

Wind Speed & Direction: ENE 8mph

Instrument Make Model & Serial Number:
Mini Rae Lite
Thermo PDR

Background Readings: 0.0 ppm | 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			
800	0.0	0.038	0.0	0.022	0.0	0.092	0.0	0.036			Prestart
900	0.0	0.063	0.0	0.012	0.0	0.084	0.0	0.040			
1000	0.0	0.011	0.0	0.010	0.0	0.013	0.0	0.072			Install piles
1100	0.0	0.007	0.0	0.009	0.0	0.017	0.0	0.011			Install Piles
1200	0.0	0.041	0.0	0.021	0.0	0.022	0.0	0.024			Install Piles
1300	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Shift change
1400	0.0	0.002	0.0	0.005	0.0	0.003	0.0	0.004			Lunch
											Install piles

Dust Suppressant Necessary: (Yes) or No

Dust Suppressant Used: Water spray while installing piles

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental

DAILY AIR MONITORING RECORD FORM

Date: 4/21/15

Project Name/Location: PHG B01

Site Safety Officer: Michael Gaul

Weather Conditions: 53°F, Overcast

Wind Speed & Direction: N 0 mph

Instrument Make Model & Serial Number: Mini Rae Lite
Thermo POR

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			
800	0.0	0.044	0.0	0.027	0.0	0.046	0.0	0.038			Prestart
900	0.0	0.011	0.0	0.000	0.0	0.002	0.0	0.007			Drive Piles
1000	0.0	0.003	0.0	0.066	0.0	0.013	0.0	0.008			Shift Jal
1100	0.0	0.000	0.0	0.010	0.0	0.012	0.0	0.000			chip rock
1200	0.0	0.000	0.0	0.000	0.0	0.011	0.0	0.012			chip rock
1300	0.0	0.019	0.0	0.148	0.0	0.000	0.0	0.000			Drive Piles
1400	0.0	0.025	0.0	0.102	0.0	0.019	0.0	0.070			Chip rock
1500	0.0	0.014	0.0	0.011	0.0	0.000	0.0	0.017			Chip rock
											Chip rock

Dust Suppressant Necessary: (Yes) or No

Dust Suppressant Used: Water spray while driving piles.

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental En

DAILY AIR MONITORING RECORD FORM

Date: 4/22/15

Project Name/Location: PHG 1301

Site Safety Officer: Michael Gaul

Weather Conditions: 51°F, Cloudy

Wind Speed & Direction: N 3 mph

Instrument Make Model & Serial Number:
Mini Rae Lite
Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			
800	0.0	0.028	0.0	0.016	0.0	0.039	0.0	0.020			Prestart
900	0.0	0.021	0.0	0.012	0.0	0.014	0.0	0.021			Expose Rock
1000	0.0	0.006	0.0	0.000	0.0	0.000	0.0	0.020			Install Piles
1100	0.0	0.002	0.0	0.010	0.0	0.022	0.0	0.012			Install Piles
1200	0.0	0.009	0.0	0.082	0.0	0.112	0.0	0.138			Install reber
1300	0.0	0.131	0.0	0.075	0.0	0.000	0.0	0.056			Build forms
1400	0.0	0.021	0.0	0.032	0.0	0.037	0.0	0.024			Build forms
											Build forms

Dust Suppressant Necessary: (Yes) or No

Dust Suppressant Used: Water spray while installing piles.

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environment

DAILY AIR MONITORING RECORD FORM

Date: 4/28/15

Project Name/Location: PHG 130

Site Safety Officer: Michael Gaul

Weather Conditions: 51°F, Partly cloudy

Wind Speed & Direction: N 0 mph

Instrument Make Model & Serial Number:
Mini Rae Lite
Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Setting Up
800	0.0	0.017	0.0	0.016	0.0	0.025	0.0	0.032			Inst hall piles
900	0.0	0.067	0.0	0.112	0.0	0.082	0.0	0.075			Inst hall piles
1000	0.0	0.013	0.0	0.022	0.0	0.025	0.0	0.017			Paving
1100	0.0	0.012	0.0	0.011	0.0	0.016	0.0	0.008			Break
1200	0.0	0.006	0.0	0.019	0.0	0.000	0.0	0.000			Drive piles
1300	0.0	0.005	0.0	0.007	0.0	0.002	0.0	0.010			Inst hall piles
1400	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Soil Shifting
1500	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Soil Shifting

Dust Suppressant Necessary: (Yes) or No

Dust Suppressant Used: Water spray when driving piles

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environments

DAILY AIR MONITORING RECORD FORM

Date: 4/29/15

Project Name/Location: PHG1301

Site Safety Officer: N/A

Weather Conditions: 55°F, Sunny

Wind Speed & Direction: 0-10 mph West

Instrument Make Model & Serial Number:
PID3000 = 590-903337
pDR1000 = 6601

Background Readings: PID=0.0 ppm/100 ppm ; pDR="ok" → 0.000 mg/m³

Air Monitoring Locations

Time	Station 1 N		Station 2 S		Station 3 E		Station 4 W		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
0700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			pre-test
0800	0.0	0.000	0.0	0.003	0.0	0.000	0.0	0.000			Piles/grade beam
0900	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			" "
1000	0.0	0.016	0.0	0.005	0.2	0.022	0.0	0.001			" "
1100	0.0	0.000	0.0	0.000	0.6	0.013	0.0	0.002			" "
1200	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			" "
1300	0.0	0.004	0.0	0.000	0.0	0.000	0.0	0.000			" "
1400	0.0	0.000	0.0	0.000	0.0	0.006	0.0	0.000			" "
1500	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			" "

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: Water on pile driver to keep dust down.

Notes/Comments: PID readings from the East side of the site most likely due to the grout mixer exhaust. Grout machine setup @ east side of the site

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environm

DAILY AIR MONITORING RECORD FORM

Date: 4/30/15

Project Name/Location: PHG 1301

Site Safety Officer: Michael Gaul

Weather Conditions: 48°F, Partly Cloudy

Wind Speed & Direction: ENE 9mph

Instrument Make Model & Serial Number:
Mini Rae Lite
Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.001	0.0	0.000			Prestart
800	0.0	0.000	0.0	0.004	0.0	0.000	0.0	0.000			Form work
900	0.0	0.000	0.0	0.002	0.0	0.001	0.0	0.001			Welding
1000	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Form Work
1100	0.0	0.000	0.0	0.015	0.0	0.000	0.0	0.001			Form Work
1200	0.0	0.015	0.0	0.013	0.0	0.000	0.0	0.000			Form work
1300	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Lunch
1400	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Pour Concrete
1500	0.0	0.006	0.0	0.004	0.0	0.000	0.0	0.000			Set Concrete

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environm

DAILY AIR MONITORING RECORD FORM

Date: 5/1/15

Project Name/Location: PHG 1301

Site Safety Officer: Michael Gaul

Weather Conditions: 49°F, Partly Cloudy

Wind Speed & Direction: ENE 7mph

Instrument Make Model & Serial Number:
Mini Rae Lite
Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Prestart
800	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Form work
900	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Delivery
1000	0.0	0.000	0.0	0.020	0.0	0.000	0.0	0.000			Remove rig
1100	0.0	0.000	0.0	0.001	0.0	0.000	0.0	0.000			waterproofing
1200	0.0	0.020	0.0	0.000	0.0	0.038	0.0	0.011			Soil Shifting
1300	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Break
1400	0.0	0.000	0.0	0.006	0.0	0.000	0.0	0.000			Waterproofing
1500	0.0	0.000	0.0	0.000	0.0	0.034	0.0	0.000			Cleans site

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environm

DAILY AIR MONITORING RECORD FORM

Date: 5/4/15 Project Name/Location: PHG 1301

Site Safety Officer: Michael Gaul

Weather Conditions: 57°F, Sunny Wind Speed & Direction: NE 3mph

Instrument Make Model & Serial Number:
Min. Rae Lite
Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m3

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			
800	0.0	0.011	0.0	0.013	0.0	0.020	0.0	0.008			Prestart
900	0.0	0.007	0.0	0.021	0.0	0.012	0.0	0.011			Stripping forms
1000	0.0	0.000	0.0	0.017	0.0	0.015	0.0	0.017			Shift Safety
1100	0.0	0.021	0.0	0.013	0.0	0.021	0.0	0.022			Strip forms
1200	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Shift Safety
1300	0.0	0.002	0.0	0.013	0.0	0.011	0.0	0.003			Chip rock
1400	0.0	0.010	0.0	0.015	0.0	0.010	0.0	0.006			Shift Safety
1500	0.0	0.007	0.0	0.012	0.0	0.011	0.0	0.002			Shift Safety
											Cleaning up

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWC
Strategic Env

DAILY AIR MONITORING RECORD FORM

Date: 5/5/15

Project Name/Location: PHG 1301

Site Safety Officer: Michael Gaul

Weather Conditions: 66°F: Sunny

Wind Speed & Direction: N: 5 mph

Instrument Make Model & Serial Number:
Mini Rae Lite
Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			
800	0.0	0.020	0.0	0.025	0.0	0.044	0.0	0.021			Prestart
900	0.0	0.033	0.0	0.024	0.0	0.030	0.0	0.033			Soil Shift
1000	0.0	0.016	0.0	0.023	0.0	0.018	0.0	0.010			Soil Shift
1100	0.0	0.026	0.0	0.036	0.0	0.012	0.0	0.011			Soil Shift
1200	0.0	0.021	0.0	0.004	0.0	0.010	0.0	0.011			Rebar work
1300	0.0	0.014	0.0	0.009	0.0	0.010	0.0	0.002			Break
1400	0.0	0.012	0.0	0.032	0.0	0.015	0.0	0.008			Rebar work
1500	0.0	0.016	0.0	0.033	0.0	0.033	0.0	0.010			Forms
											Stockpile Soil

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWG
Strategic Envir

DAILY AIR MONITORING RECORD FORM

Date: 5/6/15

Project Name/Location: PHG1301

Site Safety Officer: Michael Gaul

Weather Conditions: 69°F: Cloudy

Wind Speed & Direction: N. 5 mph

Instrument Make Model & Serial Number:
Mini Rae Lite
Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Present
800	0.0	0.012	0.0	0.030	0.0	0.016	0.0	0.011			Chip rock
900	0.0	0.017	0.0	0.022	0.0	0.088	0.0	0.016			Build forms
1000	0.0	0.005	0.0	0.002	0.0	0.006	0.0	0.002			Build forms
1100	0.0	0.015	0.0	0.033	0.0	0.022	0.0	0.015			Build forms
1200	0.0	0.000	0.0	0.083	0.0	0.126	0.0	0.016			Chip Rock
1300	0.0	0.016	0.0	0.023	0.0	0.031	0.0	0.022			Build forms
1400	0.0	0.038	0.2	0.083	0.0	0.007	0.0	0.012			Shift Soil
1500	0.0	0.015	0.0	0.032	0.0	0.012	0.0	0.011			Shift Soil

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWG
Strategic Envir

DAILY AIR MONITORING RECORD FORM

1-Ham
1-Wad
1-2-Lab

Date: 5/7/15

Project Name/Location: PHG 1301

Site Safety Officer: Michael Gaul

Weather Conditions: 57°F Sunny

Wind Speed & Direction: N.O mph

Instrument Make Model & Serial Number:
Mini Rae Lite
Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m^3

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Prestart
800	0.0	0.056	0.0	0.056	0.0	0.054	0.0	0.058			Soil Shifting
900	0.0	0.048	0.0	0.055	0.0	0.056	0.0	0.042			Soil Shifting
1000	0.0	0.055	0.0	0.051	0.0	0.058	0.0	0.033			Soil Shifting
1100	0.0	0.032	0.0	0.026	0.0	0.050	0.0	0.012			Soil Shifting
1200	0.0	0.055	0.0	0.058	0.0	0.062	0.0	0.042			Soil Shifting
1300	0.0	0.055	0.0	0.024	0.0	0.001	0.0	0.007			Soil Shifting
1400	0.0	0.020	0.0	0.000	0.0	0.003	0.0	0.000			& Boogie
1500	0.0	0.036	0.0	0.021	0.0	0.022	0.0	0.022			Chop Rock
											Chop Rock

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m^3

PW
Strategic E

DAILY AIR MONITORING RECORD FORM

Date: 5/8/15

Project Name/Location: PIAC 1301

Site Safety Officer: Michael Gaul

Weather Conditions: 57°F: Sunny

Wind Speed & Direction: N 0 mph

Instrument Make Model & Serial Number: Mini Rae Lite
Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Prestart
800	0.0	0.059	0.0	0.127	0.0	0.069	0.0	0.052			Build Forms
900	0.0	0.089	0.0	0.131	0.0	0.140	0.0	0.069			Build Forms
1000	0.0	0.031	0.0	0.043	0.0	0.052	0.0	0.036			Build Forms
1100	0.0	0.112	0.0	0.052	0.0	0.057	0.0	0.046			Build Forms
1200	0.0	0.087	0.0	0.057	0.0	0.090	0.0	0.052			Chop Rock
1300	0.0	0.047	0.0	0.036	0.0	0.079	0.0	0.026			Break
1400	0.0	0.047	0.0	0.036	0.0	0.000	0.0	0.052			Chop Rock
1500	0.0	0.022	0.0	0.033	0.0	0.021	0.0	0.025			Soil Shift

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PW

DAILY AIR MONITORING RECORD FORM

Date: 5/11/15

Project Name/Location: PHC1301

Site Safety Officer: Michael Gaul

Weather Conditions: 71°F : Cloudy

Wind Speed & Direction: N : 5mph

Instrument Make Model & Serial Number:
Mini RaeLite
Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			PM Int
800	0.0	0.046	0.0	0.058	0.0	0.042	0.0	0.036			Build forms
900	0.0	0.046	0.0	0.042	0.0	0.038	0.0	0.026			Coffee Break
1000	0.0	0.040	0.0	0.032	0.0	0.041	0.0	0.019			Shuff Sol
1100	0.0	0.031	0.0	0.026	0.0	0.033	0.0	0.022			Chop rock
1200	0.0	0.026	0.0	0.024	0.0	0.033	0.0	0.018			Chop rock
1300	0.0	0.023	0.0	0.033	0.0	0.026	0.0	0.015			Shuff Sol
1400	0.0	0.024	0.0	0.131	0.0	0.112	0.0	0.101			Chop Rock
1500	0.0	0.022	0.0	0.045	0.0	0.033	0.0	0.028			Chop Rock

Dust Suppressant Necessary: (Yes) or No

Dust Suppressant Used: Water Spray while chopping bedrock

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PV

DAILY AIR MONITORING RECORD FORM

Date: 5/12/15 Project Name/Location: P17-G 1301

Site Safety Officer: Michael Gaul

Weather Conditions: 68°F Cloudy Wind Speed & Direction: N.O MPH

Instrument Make Model & Serial Number: Mini Rae Lite
Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Task
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Prestart
800	0.0	0.019	0.0	0.095	0.0	0.086	0.0	0.042			Shift Safe
900	0.0	0.032	0.0	0.045	0.0	0.021	0.0	0.006			Pour Concrete
1000	0.0	0.030	0.0	0.044	0.0	0.040	0.0	0.031			Pour Concrete
1100	0.0	0.008	0.0	0.018	0.0	0.033	0.0	0.025			Shift Safe
1200	0.0	0.027	0.0	0.019	0.0	0.029	0.0	0.011			Break
1300	0.0	0.019	0.0	0.032	0.0	0.000	0.0	0.010			Shift Safe
1400	0.0	0.006	0.0	0.071	0.0	0.077	0.0	0.052			Shift Safe
1500	0.0	0.038	0.0	0.058	0.0	0.057	0.0	0.030			Shift Safe

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

40 less

PV
Strateg

DAILY AIR MONITORING RECORD FORM

Date: 5/13/15

Project Name/Location: PHG 1501

Site Safety Officer: Michael Gaul

Weather Conditions: 58°F : Sunny

Wind Speed & Direction: WNW 6mph

Instrument Make Model & Serial Number: Mini Rae Lite
Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Task
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.007	0.0	0.000			Preplant
800	0.0	0.010	0.0	0.017	0.0	0.028	0.0	0.008			Soil Shifting
900	0.0	0.011	0.0	0.013	0.0	0.018	0.0	0.009			Soil Shifting
1600	0.0	0.082	0.0	0.000	0.0	0.017	0.0	0.000			RCA delivery
1100	0.0	0.020	0.0	0.010	0.0	0.015	0.0	0.000			Soil Shifting
1200	0.0	0.023	0.0	0.036	0.0	0.032	0.0	0.018			Soil Shifting
1300	0.0	0.042	0.0	0.030	0.0	0.031	0.0	0.012			Breaks
1400	0.0	0.018	0.0	0.023	0.0	0.020	0.0	0.021			Soil Shifting
1500	0.0	0.020	0.0	0.019	0.0	0.017	0.0	0.000			Cleanup Site

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PV

DAILY AIR MONITORING RECORD FORM

Date: 5/14/15

Project Name/Location: PHG 1301

Site Safety Officer: Michael Gaul

Weather Conditions: 50°F Sunny

Wind Speed & Direction: N 0mph

Instrument Make Model & Serial Number: MiniRae Lite
Thermo OPR

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Task
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Soil Removal
800	0.0	0.044	0.0	0.019	0.0	0.020	0.0	0.012			Soil Shifting
900	0.0	0.052	0.0	0.023	0.0	0.028	0.0	0.013			Soil Excav
1000	0.0	0.027	0.0	0.015	0.0	0.025	0.0	0.012			Soil Stock
1100	0.0	0.021	0.0	0.021	0.0	0.031	0.0	0.011			Soil Disposal
1200	0.0	0.021	0.0	0.021	0.0	0.021	0.0	0.011			Soil Shf
1300	0.0	0.036	0.0	0.042	0.0	0.040	0.0	0.021			Soil Shifting
1400	0.0	0.035	0.0	0.041	0.0	0.043	0.0	0.025			Soil Shifting
1500	0.0	0.014	0.0	0.039	0.0	0.013	0.0	0.009			Cleanup UP

Dust Suppressant Necessary: Yes or No

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PV

DAILY AIR MONITORING RECORD FORM

Date: 5/15/15 Project Name/Location: PHL: 1301

Site Safety Officer: Michael Gaul

Weather Conditions: 55°F Sunny Wind Speed & Direction: N. 3mph

Instrument Make Model & Serial Number:
Mini Rae Lite
Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasi
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Pre-Int
800	0.0	0.027	0.0	0.024	0.0	0.052	0.0	0.012			Shift Int
900	0.0	0.043	0.0	0.068	0.0	0.033	0.0	0.021			Build form
1000	0.0	0.045	0.0	0.041	0.0	0.058	0.0	0.026			Build forms
1100	0.0	0.040	0.0	0.032	0.0	0.031	0.0	0.017			Build forms
1200	0.0	0.018	0.0	0.012	0.0	0.020	0.0	0.008			Break
1300	0.0	0.041	0.0	0.032	0.0	0.037	0.0	0.016			Shift Int
1400	0.0	0.032	0.0	0.024	0.0	0.035	0.0	0.031			Shift Int
1500	0.0	0.050	0.0	0.035	0.0	0.041	0.0	0.027			Shift Int

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PW
Strategic E

DAILY AIR MONITORING RECORD FORM

Date: 5/18/15

Project Name/Location: PHC 1301

Site Safety Officer: Mitchell Cook

Weather Conditions: 62 °F Cloudy

Wind Speed & Direction: NE 3mph

Instrument Make Model & Serial Number:
MiniRae Lite
ThermoPDR

Background Readings: 0.0 ppm / 0.000 mg/m3

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Prep
800	0.0	0.041	0.0	0.051	0.0	0.041	0.0	0.041			Soil Shift
900	0.0	0.068	0.0	0.038	0.0	0.037	0.0	0.042			Pan Concrete
1000	0.0	0.044	0.0	0.050	0.0	0.057	0.0	0.031			Pan Concrete
1100	0.0	0.051	0.0	0.050	0.0	0.053	0.0	0.037			Pan Concrete
1200	0.0	0.042	0.0	0.035	0.0	0.032	0.0	0.026			Pan Concrete
1300	0.0	0.046	0.0	0.041	0.0	0.037	0.0	0.042			Pan Concrete
1400	0.0	0.031	0.0	0.039	0.0	0.028	0.0	0.016			Pan Concrete
1500	0.0	0.032	0.0	0.035	0.0	0.0	0.0	0.010			Labor work
											Soil Shift

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

4/19/17

PV
Strate

DAILY AIR MONITORING RECORD FORM

Date: 5/19/15

Project Name/Location: PHG 1301

Site Safety Officer: Michael Gaul

Weather Conditions: 59°F Overcast

Wind Speed & Direction: N. 0mph

Instrument Make Model & Serial Number:
Mini Rae Lite
Thermo DPR

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasi
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Fam
800	0.2	0.032	0.0	0.037	0.3	0.041	0.0	0.013			Form Build
900	0.0	0.023	0.0	0.028	0.0	0.026	0.0	0.022			Form Build
1000	0.0	0.038	0.0	0.027	0.0	0.033	0.0	0.029			Form Building
1100	0.0	0.062	0.0	0.057	0.0	0.060	0.0	0.041			Soil Shift
1200	0.0	0.021	0.0	0.031	0.0	0.034	0.0	0.010			Bu
1300	0.0	0.032	0.0	0.027	0.0	0.022	0.0	0.017			Soil Shift
1400	0.0	0.026	0.0	0.051	0.0	0.001	0.0	0.027			Build Forms
1500	0.0	0.021	0.0	0.018	0.0	0.022	0.0	0.011			Soil Shift

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

DAILY AIR MONITORING RECORD FORM

Date: 5/20/15

Project Name/Location: PHC1301

Site Safety Officer: Michael Cagul

Weather Conditions: 58°F Sunny Wind Speed & Direction: 5 5mph

Instrument Make Model & Serial Number:
MiniRae Lite PGM7300
Thermo PDR 1000AN 6601

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Te
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Restart
800	0.0	0.042	0.0	0.068	0.0	0.051	0.0	0.034			Soil Shift
900	0.0	0.053	0.0	0.057	0.0	0.057	0.0	0.032			Break fill
1000	0.0	0.053	0.0	0.059	0.0	0.037	0.0	0.031			Soil Shift
1100	0.0	0.060	0.0	0.045	0.0	0.049	0.0	0.027			Soil Shift
1200	0.0	0.042	0.0	0.031	0.0	0.040	0.0	0.018			Break
1300	0.0	0.056	0.0	0.052	0.0	0.057	0.0	0.049			Soil to Form
1400	0.0	0.071	0.0	0.063	0.0	0.060	0.0	0.57			D/W forms
1500	0.0	0.050	0.0	0.042	0.0	0.041	0.0	0.021			Pour forms

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PV

DAILY AIR MONITORING RECORD FORM

Date: 5/21/15

Project Name/Location: PHG 1361

Site Safety Officer: Michael Gant

Weather Conditions: 54°F Cloudy

Wind Speed & Direction: NW 0mph

Instrument Make Model & Serial Number:
MiniRae Lite PGM7300
ThermoPDR

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasl
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			trailer
800	0.0	0.041	0.0	0.042	0.0	0.037	0.0	0.032			Soil Shift
900	0.0	0.042	0.0	0.037	0.0	0.044	0.0	0.043			Build form
1000	0.0	0.041	0.0	0.031	0.0	0.048	0.0	0.021			Build form
1120	0.0	0.034	0.0	0.021	0.0	0.042	0.0	0.028			Backfill
1200	0.0	0.042	0.0	0.040	0.0	0.048	0.0	0.031			Backfill
1300	0.0	0.041	0.0	0.035	0.0	0.037	0.0	0.027			Backfill
1400	0.0	0.037	0.0	0.041	0.0	0.03	0.0	0.027			Shift Soil
1500	0.0	0.03	0.0	0.033	0.0	0.045	0.0	0.027			Soil Soil
											Rock rock

Dust Suppressant Necessary: Yes or No

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

DAILY AIR MONITORING RECORD FORM

Date: 5/22/15

Project Name/Location: PHG 130

Site Safety Officer: Michael Gaul

Weather Conditions: 56°F Cloudy

Wind Speed & Direction: N. 0 mph

Instrument Make Model & Serial Number: Mini Rae Lite
Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m3

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Te
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Pre-shift
800	0.0	0.043	0.0	0.038	0.0	0.041	0.0	0.027			Check rock
900	0.0	0.037	0.0	0.033	0.0	0.038	0.0	0.022			Perimeter
1000	0.0	0.058	0.0	0.044	0.0	0.044	0.0	0.031			Check rock
1100	0.0	0.067	0.0	0.060	0.0	0.048	0.0	0.047			Check PDR's
1200	0.0	0.035	0.0	0.029	0.0	0.033	0.0	0.021			Lunch
~~1300~~											

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m3

DAILY AIR MONITORING RECORD FORM

Date: 5/26/15 Project Name/Location: PHG 130

Site Safety Officer: Michael Gail

Weather Conditions: 67°F Sunny Wind Speed & Direction: NSW 8 mph

Instrument Make Model & Serial Number:
MiniRae -1.2
Thermo FDR

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		To
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Prestart
800	0.0	0.043	0.0	0.036	0.0	0.047	0.0	0.021			Safety forms
900	0.0	0.037	0.0	0.022	0.0	0.026	0.0	0.027			Site forms
1000	0.0	0.021	0.0	0.027	0.0	0.065	0.0	0.055			Safety Shift
1100	0.0	0.026	0.0	0.057	0.0	0.050	0.0	0.041			Drill forms
1200	0.0	0.021	0.0	0.032	0.0	0.027	0.0	0.015			Drill forms
1400	0.0	0.041	0.0	0.041	0.0	0.035	0.0	0.019			D.W forms
1500	0.0	0.027	0.0	0.030	0.0	0.022	0.0	0.021			Drill forms
	0.0	0.045	0.0	0.020	0.0	0.021	0.0	0.012			Sit Ref Sett

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

DAILY AIR MONITORING RECORD FORM

Date: 5/27/15 Project Name/Location: PHG 1301

Site Safety Officer: Michael Gaul

Weather Conditions: 70°F Sunny Wind Speed & Direction: SW 8mph

Instrument Make Model & Serial Number: MiniRae Lite
ThermoPDR

Background Readings: 0.0 ppm / 0.000 mg/m3

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.060			PreStart
800	0.0	0.032	0.0	0.031	0.0	0.042	0.0	2.010			Sh.4-Ja.
900	0.0	2.057	0.0	0.054	0.0	0.042	0.0	2.051			Sh.D-Ja.
1000	0.0	0.011	0.0	0.027	0.0	0.022	0.0	0.015			Coffee br
1100	0.0	0.045	0.0	0.051	0.0	0.023	0.0	0.036			Sh.4 Ja.
1200	0.0	0.021	0.0	0.023	0.0	0.025	0.0	0.016			Lunch
1300	0.0	0.062	0.0	0.060	0.0	0.057	0.0	0.032			Back to Work
1400	0.0	0.055	0.0	0.052	0.0	0.05	0.0	0.042			Sh.H-Ja.
1500	0.0	0.045	0.0	0.036	0.0	0.037	0.0	0.032			Sh.D-Ja.

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in milligrams per cubic meter (mg/m3)

DAILY AIR MONITORING RECORD FORM

Date: 5/28/15

Project Name/Location: PHG 130

Site Safety Officer: Michael Gaul

Weather Conditions: 71°F Cloudy

Wind Speed & Direction: WSW 5 mp

Instrument Make Model & Serial Number:
MINIRAE Lite PGM7300
Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.011	0.0	0.000	0.0	0.006	0.0	0.000			Pre-Work
800	0.0	0.016	0.0	0.042	0.0	0.05	0.0	0.033			Breaking
900	0.0	0.037	0.0	0.044	0.0	0.049	0.0	0.033			Paving
1000	0.0	0.032	0.0	0.036	0.0	0.031	0.0	0.017			Breaking
1100	0.0	0.041	0.0	0.047	0.0	0.032	0.0	0.010			Paving
1200	0.0	0.037	0.0	0.041	0.0	0.038	0.0	0.021			Breaking
1300	0.0	0.026	0.0	0.021	0.0	0.02	0.0	0.032			Paving
1400	0.0	0.007	0.0	0.037	0.0	0.08	0.0	0.031			Breaking
1500	0.0	0.016	0.0	0.032	0.0	0.011	0.0	0.031			Paving
											Demob
											Pack Up

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in milligrams per cubic meter (mg/m³)

DAILY AIR MONITORING RECORD FORM

Date: 5/29/15

Project Name/Location: PHS 1307

Site Safety Officer: Michael Gaul

Weather Conditions: 66°F Sunny

Wind Speed & Direction: N 6 mph

Instrument Make Model & Serial Number:
Mini Rae Lite
Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Arrive
900	0.0	0.042	0.0	0.037	0.0	0.032	0.0	0.028			Begin
1100	0.0	0.031	0.0	0.031	0.0	0.030	0.0	0.026			Shift
1000	0.0	0.057	0.0	0.053	0.0	0.052	0.0	0.046			Lunch
1100	0.0	0.041	0.0	0.046	0.0	0.049	0.0	0.052			Soil Shift
1200	0.0	0.041	0.0	0.028	0.0	0.052	0.0	0.032			Soil Shift
1300	0.0	0.076	0.0	0.032	0.0	0.041	0.0	0.042			Soil Shift
1400	0.0	0.052	0.0	0.046	0.0	0.042	0.0	0.031			Rebar
1500	0.0	0.042	0.0	0.041	0.0	0.036	0.0	0.021			MB Install

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in

DAILY AIR MONITORING RECORD FORM

Date: 6/2/15

Project Name/Location: PTC 1301

Site Safety Officer: Michael Gaul

Weather Conditions: 50°F : Rain

Wind Speed & Direction: NE 10 mph

Instrument Make Model & Serial Number:
Mini Rae Lite
Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m3

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Prestart
800	0.0	0.043	0.0	0.040	0.0	0.046	0.0	0.022			Safety Talk
900	0.0	0.052	0.0	0.042	0.0	0.044	0.0	0.035			Remarks
1000	0.0	0.051	0.0	0.046	0.0	0.042	0.0	0.036			Form by JD
1100	0.0	0.032	0.0	0.029	0.0	0.022	0.0	0.046			Form by JD
1200	0.0	0.048	0.0	0.042	0.0	0.040	0.0	0.026			Built form
1300	0.0	0.042	0.0	0.040	0.0	0.036	0.0	0.030			Built form
1400	0.0	0.035	0.0	0.041	0.0	0.037	0.0	0.032			Built form
1500	0.0	0.042	0.0	0.041	0.0	0.037	0.0	0.0			Built form

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate

DAILY AIR MONITORING RECORD FORM

Date: 6/3/15

Project Name/Location: PHO-1301

Site Safety Officer: Michael Coval

Weather Conditions: 53°F Cloudy

Wind Speed & Direction: ENE 7 mph

Instrument Make Model & Serial Number:
MiniRae Lite
Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
720	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Arrive
800	0.0	0.042	0.0	0.035	0.0	0.037	0.0	0.020			Build forms
900	0.0	0.031	0.0	0.026	0.0	0.033	0.0	0.022			Rebar
1000	0.0	0.037	0.0	0.032	0.0	0.042	0.0	0.019			Soil Shift
1100	0.0	0.033	0.0	0.041	0.0	0.031	0.0	0.027			Soil Shift
1200	0.0	0.037	0.0	0.041	0.0	0.032	0.0	0.022			Break
1300	0.0	0.033	0.0	0.041	0.0	0.046	0.0	0.031			Build forms
1400	0.0	0.031	0.0	0.026	0.0	0.033	0.0	0.042			Build forms
1500	0.0	0.041	0.0	0.032	0.0	0.036	0.0	0.027			Build forms

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million

DAILY AIR MONITORING RECORD FORM

Date: 6/4/15

Project Name/Location: PRG1301

Site Safety Officer: Michael Cowl

Weather Conditions: 54°F : Cloudy

Wind Speed & Direction: ENE 8 mph

Instrument Make Model & Serial Number:
Mini Rae Lite
Thermo PDR-

Background Readings: 0.0 ppm / 0.00 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Pool
800	0.0	0.000	0.0	0.000	0.0	0.005	0.0	0.000			Bottom
900	0.0	0.000	0.0	0.000	0.0	0.008	0.0	0.000			Building
1000	0.0	0.010	0.0	0.011	0.0	0.017	0.0	0.002			Building
1100	0.0	0.020	0.0	0.012	0.0	0.017	0.0	0.004			VB 1&4
1200	0.0	0.037	0.0	0.24	0.0	0.022	0.0	0.012			Bldg
1300	0.0	0.018	0.0	0.017	0.0	0.014	0.0	0.010			VB 2&3
1400	0.0	0.022	0.0	0.024	0.0	0.019	0.0	0.011			VB 2&3
1500	0.0	0.000	0.0	0.021	0.0	0.022	0.0	0.014			Fan Bldg

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in

DAILY AIR MONITORING RECORD FORM

Date: 6/6/15

Project Name/Location: PHG 130

Site Safety Officer: Usman Chaudhry

Weather Conditions: 63° overcast Wind Speed & Direction: NW 6 mph

Instrument Make Model & Serial Number:
MiniRAE Lite PGM7300- 590-90337
Thermo PdR 1000 6601

Background Readings: 0.0 ppm / 0.000 mg/m3

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
9:00	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Pre-shift
10:00	0.0	0.005	0.0	0.004	0.0	0.007	0.0	0.011			Backfilling
11:00	0.0	0.012	0.0	0.037	0.0	0.009	0.0	0.049			Backfilling
12:00	0.9	0.011	1.2	0.006	0.9	0.006	1.7	0.021			Backfilling
13:00	0.0	0.003	0.0	0.000	0.0	0.000	0.0	0.014			unloading
14:00	0.0	0.017	0.0	0.039	0.0	0.013	0.0	0.051			Backfilling
15:00	0.0	0.014	0.0	0.031	0.0	0.011	0.0	0.010			Compacting
16:00	0.0	0.014	0.0	0.035	0.0	0.009	0.0	0.029			Backfilling
17:00	0.0	0.000	0.0	0.014	0.0	0.009	0.0	0.008			making Ramp

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: None

Notes/Comments: None.

Note: PID concentrations recorded in parts per million

PWGC
Strategic Environmental Engineering Solutions

DAILY AIR MONITORING RECORD FORM

Date: 6/8/15 Project Name/Location: PHG 1301

Site Safety Officer: Michael Gaul

Weather Conditions: 60°F Cloudy Wind Speed & Direction: ~~S~~ NW 3 mph

Instrument Make Model & Serial Number:
Mini RaeLite
Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
730	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Prestart
800	0.0	0.038	0.0	0.021	0.0	0.054	0.0	0.021			Shift Soil
900	0.0	0.016	0.0	0.012	0.0	0.002	0.0	0.010			Concrete delivery
1000	0.0	0.018	0.0	0.015	0.0	0.012	0.0	0.008			Concrete pump
1100	0.0	0.005	0.0	0.022	0.0	0.009	0.0	0.021			Concrete pouring
1200	0.0	0.052	0.0	0.018	0.0	0.069	0.0	0.052			Concrete pump
1300	0.0	0.004	0.0	0.022	0.0	0.022	0.0	0.018			Concrete pump
1400	0.0	0.017	0.0	0.015	0.0	0.058	0.0	0.032			Shift Soil
1500	0.0	0.007	0.0	0.003	0.0	0.006	0.0	0.004			Shift Soil
1600	0.0	0.017	0.0	0.012	0.0	0.016	0.0	0.022			Shift Soil

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental Engineering Solutions

DAILY AIR MONITORING RECORD FORM

Date: 6/9/15 Project Name/Location: PHG 1301

Site Safety Officer: Michael Gaul

Weather Conditions: 64°F, Cloudy Wind Speed & Direction: N 3mph

Instrument Make Model & Serial Number: MMI Rae Lite
Therme PDR

Background Readings:

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.007	0.0	0.006	0.0	0.002	0.0	0.004			Strip forms
800	0.0	0.012	0.0	0.010	0.0	0.026	0.0	0.021			Shift Soil
900	0.0	0.011	0.0	0.013	0.0	0.021	0.0	0.013			Strip forms
1000	0.0	0.017	0.0	0.009	0.0	0.009	0.0	0.015			Strip forms
1100	0.0	0.012	0.0	0.007	0.0	0.008	0.0	0.016			Strip forms
1200	0.0	0.010	0.0	0.01	0.0	0.010	0.0	0.010			Install VBS
1300	0.0	0.026	0.0	0.021	0.0	0.023	0.0	0.032			Soil delivery
1400	0.0	0.032	0.0	0.022	0.0	0.018	0.0	0.016			Soil shifting
1500	0.0	0.018	0.0	0.012	0.0	0.026	0.0	0.021			Soil Shifting
1600	0.0	0.015	0.0	0.020	0.0	0.013	0.1	0.017			Soil shift
1700	0.0	0.012	0.0	0.021	0.0	0.014	0.0	0.021			Soil Shift

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental Engineering Solutions

DAILY AIR MONITORING RECORD FORM

Date: 6/16/15 Project Name/Location: PHG 1301

Site Safety Officer: Michael Gaul

Weather Conditions: 67°F Sunny Wind Speed & Direction: N 3 mph

Instrument Make Model & Serial Number: Mini Rae Lite
Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Reg Int
800	0.0	0.002	0.0	0.008	0.0	0.000	0.0	0.005			Build forms
900	0.0	0.001	0.0	0.004	0.0	0.001	0.0	0.002			Strip forms
1000	0.0	0.003	0.0	0.002	0.0	0.005	0.0	0.006			Strip forms
1100	0.0	0.004	0.0	0.006	0.0	0.000	0.0	0.005			Strip forms
1200	0.0	0.008	0.0	0.018	0.0	0.007	0.0	0.005			Build forms
1300	0.0	0.007	0.0	0.025	0.0	0.020	0.0	0.018			Build forms
1400	0.0	0.000	0.0	0.001	0.0	0.000	0.0	0.002			Build forms
1500	0.0	0.012	0.0	0.002	0.0	0.000	0.0	0.006			Build forms

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental Engineering Solutions

DAILY AIR MONITORING RECORD FORM

Date: 6/11/15 Project Name/Location: PHG 1301

Site Safety Officer: Michael Gaul

Weather Conditions: 72°F Sunny Wind Speed & Direction: WSW 8 mph

Instrument Make Model & Serial Number:
Mini Rae Lite
Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Prestart
800	0.0	0.029	0.0	0.028	0.0	0.020	0.0	0.017			Build forms
900	0.0	0.036	0.0	0.051	0.0	0.032	0.0	0.054			Shift Soil
1000	0.0	0.000	0.0	0.032	0.0	0.027	0.0	0.021			Build forms
1100	0.0	0.022	0.0	0.042	0.0	0.064	0.0	0.018			Build forms
1200	0.0	0.112	0.0	0.061	0.0	0.078	0.0	0.042			Soil Shift
1300	0.0	0.000	0.0	0.012	0.0	0.000	0.0	0.011			Soil Shift
1400	0.0	0.000	0.0	0.012	0.0	0.000	0.0	0.002			Strip forms
1500	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Shift Soil

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental Engineering Solutions

DAILY AIR MONITORING RECORD FORM

Date: 6/12/15 Project Name/Location: PHC 1301

Site Safety Officer: Michael Gaul

Weather Conditions: 75°F Sunny Wind Speed & Direction: ENE 8mph

Instrument Make Model & Serial Number:
MiniRae Lite
Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Preshift
800	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Soil Shift
900	0.0	0.011	0.0	0.007	0.0	0.003	0.0	0.002			Soil Shift
1000	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Build forms
1100	0.0	0.002	0.0	0.005	0.0	0.000	0.0	0.000			Concrete pourng
1200	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Concrete pourng
1300	0.0	0.000	0.0	0.015	0.0	0.016	0.0	0.002			Concrete pourng
1400	0.0	0.013	0.0	0.027	0.0	0.000	0.0	0.003			Concrete pourng
1500	0.0	0.013	0.0	0.121	0.0	0.024	0.0	0.016			Concrete pourng

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental Engineering Solutions

DAILY AIR MONITORING RECORD FORM

Date: 6/13/15 Project Name/Location: PHG 301

Site Safety Officer: Michael Gaul

Weather Conditions: 77°F Cloudy Wind Speed & Direction: N 3 mph

Instrument Make Model & Serial Number:
Mini Rae Lite
Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
800	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Prestart
900	0.0	0.002	0.0	0.001	0.0	0.008	0.0	0.002			Building forms
1000	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Build forms
1100	0.0	0.013	0.0	0.001	0.0	0.000	0.0	0.000			Build forms
1200	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Strip/Build forms
1300	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Strip forms
1400	0.0	0.002	0.0	0.001	0.0	0.000	0.0	0.000			Strip forms
1500	0.0	0.017	0.0	0.000	0.0	0.000	0.0	0.000			Strip forms

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental Engineering Solutions

DAILY AIR MONITORING RECORD FORM

Date: 6/15/15 Project Name/Location: PIAG 1301

Site Safety Officer: Michael Gaul

Weather Conditions: 68°F Cloudy Wind Speed & Direction: SSE 5 mph

Instrument Make Model & Serial Number: Mini Rae Lite
Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m^3

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Prestart
800	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Organize materials
900	0.0	0.002	0.0	0.004	0.0	0.003	0.0	0.000			Install rebar
1000	0.0	0.006	0.0	0.006	0.0	0.005	0.0	0.000			Build form
1100	0.0	0.018	0.0	0.012	0.0	0.013	0.0	0.003			Shift soil
1200	0.0	0.007	0.0	0.012	0.0	0.003	0.0	0.000			Build form
1300	0.0	0.021	0.0	0.023	0.0	0.026	0.0	0.020			Shift soil
1400	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Build form

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m^3

PWGC
Strategic Environmental Engineering Solutions

DAILY AIR MONITORING RECORD FORM

Date: 6/16/15 Project Name/Location: PHG 1301

Site Safety Officer: Michael Gaul

Weather Conditions: 65°F Cloudy Wind Speed & Direction: N 5 mph

Instrument Make Model & Serial Number:
Mini Rae Lite
Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m3

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Prep for
800	0.0	0.002	0.0	0.003	0.0	0.000	0.0	0.005			Build forms
900	0.0	0.000	0.0	0.002	0.0	0.003	0.0	0.000			Build forms
1000	0.0	0.006	0.0	0.000	0.0	0.003	0.0	0.000			Build forms
1100	0.1	0.011	0.0	0.000	0.0	0.002	0.0	0.003			Build form
1200	0.0	0.008	0.0	0.000	0.0	0.006	0.0	0.000			Build rebar
1300	0.0	0.003	0.0	0.006	0.0	0.002	0.0	0.005			Build rebar
1400	0.0	0.005	0.0	0.003	0.0	0.000	0.0	0.000			Pour concrete
1500	0.0	0.010	0.0	0.006	0.0	0.002	0.0	0.003			Pour concrete

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m3

PWGC
Strategic Environmental Engineering Solutions

DAILY AIR MONITORING RECORD FORM

Date: 6/17/15 Project Name/Location: PHG 301

Site Safety Officer: Michael Gaul

Weather Conditions: 70°F Sunny Wind Speed & Direction: NE 6mph

Instrument Make Model & Serial Number:
Mini Rae Lite
Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			PreStart
800	0.0	0.008	0.0	0.006	0.0	0.002	0.0	0.000			Stak forms
900	0.0	0.012	0.0	0.010	0.0	0.004	0.0	0.005			Shift Jo.1
1000	0.0	0.016	0.0	0.008	0.0	0.003	0.0	0.000			Shift Jo.1
1100	0.0	0.021	0.0	0.021	0.0	0.006	0.0	0.000			Shift Jo.1
1200	0.0	0.015	0.0	0.010	0.0	0.010	0.0	0.010			~~Shift~~ Lunch
1300	0.0	0.008	0.0	0.011	0.0	0.012	0.0	0.007			Shift Jo.1
1400	0.0	0.007	0.0	0.005	0.0	0.002	0.0	0.006			US Install
1500	0.0	0.002	0.0	0.021	0.0	0.032	0.0	0.011			Backfill

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental Engineering Solutions

DAILY AIR MONITORING RECORD FORM

Date: 6/18/15 Project Name/Location: PHG 1301

Site Safety Officer: Michael Gaul

Weather Conditions: 65°F Cloudy Wind Speed & Direction: N 0mph

Instrument Make Model & Serial Number:
MiniRae Lite
Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m3

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Prestart
800	0.0	0.010	0.0	0.007	0.0	0.003	0.0	0.006			Shift Soil
900	0.0	0.003	0.0	0.006	0.0	0.002	0.0	0.004			Shift Soil
1000	0.0	0.003	0.0	0.000	0.0	0.006	0.0	0.000			Backfill
1100	0.0	0.006	0.0	0.010	0.0	0.003	0.0	0.000			Backfill
1200	0.0	0.010	0.0	0.014	0.0	0.007	0.0	0.009			Backfill
1300	0.0	0.001	0.0	0.002	0.0	0.000	0.0	0.010			Lunch
1400	0.0	0.012	0.0	0.015	0.0	0.001	0.0	0.009			Backfill
1500	0.0	0.002	0.0	0.010	0.0	0.002	0.0	0.000			Compact Soil

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m3

PWGC
Strategic Environmental Engineering Solutions

DAILY AIR MONITORING RECORD FORM

Date: 6/19/15 Project Name/Location: PMEG1301

Site Safety Officer: J. Darko

Weather Conditions: Overcast Wind Speed & Direction: 70°F, 0mph

Instrument Make Model & Serial Number:
PID = 590-903337
pDR = 6601

Background Readings: 0.0 ppm / 0.000 mg/m³

Air Monitoring Locations

Time	Station 1 N		Station 2 S		Station 3 E		Station 4 W		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
0700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Preparing to load trucks
0800	0.0	0.002	0.0	0.000	0.0	0.013	0.0	0.001			Spreading RCA
0900	0.0	0.000	0.0	0.004	0.0	0.009	0.0	0.000			" "
1000	0.0	0.006	0.0	0.025	0.0	0.013	0.0	0.007			" "
1100	0.0	0.003	0.0	0.000	0.0	0.000	0.0	0.014			Shifting soil
1200	0.0	0.000	0.0	0.003	0.0	0.000	0.0	0.000			Break for lunch (shifting soil)
1300	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			" "
1400	0.0	0.006	0.0	0.029	0.0	0.033	0.0	0.005			Done loading trucks
1500	0.0	0.000	0.0	0.011	0.0	0.005	0.0	0.000			n/a

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: n/a

Notes/Comments: no exceedances

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental Engineering Solutions

DAILY AIR MONITORING RECORD FORM

Date: 6/22/15 Project Name/Location: PHG 1301

Site Safety Officer: Michael Gaul

Weather Conditions: 71°F Sunny Wind Speed & Direction: N 6 mph

Instrument Make Model & Serial Number:
Mini Rae Lite
Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Presknf
800	0.0	0.012	0.0	0.011	0.0	0.008	0.0	0.002			Shift Soil
900	0.0	0.010	0.0	0.000	0.0	0.015	0.0	0.003			Shift Soil
1000	0.0	0.012	0.0	0.021	0.0	0.008	0.0	0.011			Spray Fog/Jet Stream for Dust Shift Soil
1100	0.0	0.021	0.0	0.018	0.0	0.003	0.0	0.000			
1200	0.0	0.007	0.0	0.016	0.0	0.011	0.0	0.000			Soil Remain
1300	0.0	0.008	0.0	0.015	0.0	0.006	0.0	0.000			Lunch
	0.0	0.012	0.0	0.008	0.0	0.005	0.0	0.004			Finish VB

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: NA

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

759
138

PWGC
Strategic Environmental Engineering Solutions

DAILY AIR MONITORING RECORD FORM

Date: 6/23/15 Project Name/Location: PHG1301

Site Safety Officer: Michael Gaul

Weather Conditions: 76°F Sunny Wind Speed & Direction: SW 9 mph

Instrument Make, Model, & Serial Number: Mini Rae Lite
Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m³
N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.1	0.000	0.0	0.000			Prestart
800	0.0	0.011	0.0	0.007	0.0	0.006	0.0	0.003			UB install
900	0.0	0.016	0.0	0.112	0.0	0.007	0.0	0.008			Pour concrete
1000	0.0	0.002	0.0	0.000	0.0	0.000	0.0	0.003			Pour concrete
1100	0.0	0.005	0.0	0.003	0.0	0.001	0.0	0.004			Pour concrete
1200	0.0	0.002	0.0	0.005	0.0	0.003	0.0	0.000			Shift Jan
1300	0.0	0.000	0.0	0.002	0.0	0.003	0.0	0.001			Break
1400	0.0	0.008	0.0	0.015	0.0	0.012	0.0	0.002			Smooth concrete
1500	0.0	0.005	0.0	0.011	0.0	0.009	0.0	0.003			Move supplies

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental Engineering Solutions

DAILY AIR MONITORING RECORD FORM

Date: 6/24/15 Project Name/Location: PHG B01

Site Safety Officer: Michael Gad

Weather Conditions: 68°F Sunny Wind Speed & Direction: N 6mph

Instrument Make Model & Serial Number:
Mini Rae Lite PGM 7300
Thermo PDR-1000 AN

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Prestart
800	0.0	0.011	0.0	0.010	0.0	0.007	0.0	0.005			Shift Soil
900	0.0	0.002	0.0	0.001	0.0	0.000	0.0	0.000			Shift Soil
1000	0.0	0.011	0.0	0.007	0.0	0.008	0.0	0.001			Shift Soil
1100	0.0	0.007	0.0	0.011	0.0	0.006	0.0	0.000			VB install
1200	0.0	0.000	0.0	0.002	0.0	0.002	0.0	0.000			Shift Soil
1300	0.0	0.018	0.0	0.032	0.0	0.016	0.0	0.048			Chip rock
1400	0.0	0.005	0.0	0.002	0.0	0.002	0.0	0.000			VB install
1500	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Cleaning

Dust Suppressant Necessary: (Yes) or No

Dust Suppressant Used: Water spray while chipping rock

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental Engineering Solutions

DAILY AIR MONITORING RECORD FORM

Date: 6/25/15 Project Name/Location: PHG 301

Site Safety Officer: Michael Gall

Weather Conditions: 67°F Sunny Wind Speed & Direction: WNW 3 mph

Instrument Make Model & Serial Number:
MiniRae Lite PGM 7300
Thermo PPM -1000 AN

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.6	0.060	0.0	0.000	0.0	0.000	0.0	0.000			Soil Removal
800	0.0	0.002	0.0	0.004	0.0	0.001	0.0	0.010			Soil Removal
900	0.0	0.003	0.0	0.006	0.0	0.002	0.0	0.001			VB mstr
1000	0.0	0.001	0.0	0.005	0.0	0.000	0.0	0.003			Back filling
1100	0.0	0.001	0.0	0.005	0.0	0.002	0.0	0.002			Backfilling
1200	0.0	0.012	0.0	0.011	0.0	0.007	0.0	0.007			Soil Removal
1300	0.6	0.001	0.0	0.003	0.0	0.003	0.0	0.011			Soil Removal
1400	0.0	0.005	0.0	0.004	0.0	0.004	0.0	0.002			Soil Delivery
1500	0.6	0.002	0.0	0.003	0.0	0.000	0.0	0.000			

Dust Suppressant Necessary: Yes or No

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental Engineering Solutions

DAILY AIR MONITORING RECORD FORM

Date: 6/26/15

Project Name/Location: PHG 301

Site Safety Officer: Michael Gaul

Weather Conditions: 71°F Cloudy

Wind Speed & Direction: N 0 mph

Instrument Make Model & Serial Number:
Mini Rae Lite PGM7300
Thermo PDR 1000 AN

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Prestart
801	0.0	0.033	0.0	0.146	0.0	0.045	0.0	0.082			Soil Delivery
901	0.0	0.000	0.0	0.000	0.0	0.014	0.0	0.002			Shift Soil
1000	0.0	0.011	0.0	0.007	0.0	0.011	0.0	0.003			Sh. A Soil
1166	0.0	0.015	0.0	0.011	0.0	0.007	0.0	0.000			Sh. A Soil
1200	0.0	0.011	0.0	0.013	0.0	0.011	0.0	0.008			Shift Soil
1300	0.0	0.020	0.0	0.012	0.0	0.018	0.0	0.010			Sal. Delivery
1400	0.0	0.011	0.0	0.013	0.0	0.011	0.0	0.008			Shift Soil
1500	0.0	0.027	0.0	0.021	0.0	0.018	0.0	0.002			Shift Soil

Dust Suppressant Necessary: Yes or No

Dust Suppressant Used: Water Spray when chipping bedrock

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental Engineering Solutions

DAILY AIR MONITORING RECORD FORM

Date: 6/29/15 Project Name/Location: PHG 1301

Site Safety Officer: Michael Gaul

Weather Conditions: 63°F Sunny Wind Speed & Direction: N 6mph

Instrument Make Model & Serial Number:
Mini Rae Lite PGM7300
Thermo PDR - 1000 AN

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Prestart
800	0.0	0.001	0.0	0.002	0.0	0.004	0.0	0.005			Shift Jan
900	0.0	0.012	0.0	0.000	0.0	0.008	0.0	0.007			Backfill
1000	0.0	0.014	0.0	0.009	0.0	0.003	0.0	0.060			Shift Jan
1100	0.0	0.021	0.0	0.014	0.0	0.011	0.0	0.003			Shift Jan
1200	0.0	0.008	0.0	0.005	0.0	0.016	0.0	0.080			Shift Jan
1300	0.0	0.022	0.0	0.012	0.0	0.009	0.0	0.011			Lunch
1400	0.0	0.011	0.0	0.014	0.0	0.006	0.0	0.010			Shift Jan
1500	0.0	0.021	0.0	0.013	0.0	0.011	0.0	0.017			Shift Jan

Dust Suppressant Necessary: (Yes) or No

Dust Suppressant Used: Water Spray during bedrock chipping

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental Engineering Solutions

DAILY AIR MONITORING RECORD FORM

Date: 6/30/15 Project Name/Location: PHG1301

Site Safety Officer: Michael Gaul

Weather Conditions: 73°F Cloudy Wind Speed & Direction: N 5mph

Instrument Make Model & Serial Number:
Mini Rae Lite
Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.003	0.0	0.005	0.0	0.011	0.0	0.013			Soil Removal
800	0.0	0.007	0.0	0.006	0.0	0.020	0.0	0.026			Soil Removal
900	0.0	0.000	0.0	0.003	0.0	0.001	0.0	0.000			Shift Soil
1000	0.0	0.011	0.0	0.007	0.0	0.005	0.0	0.004			Shift Soil
1100	0.0	0.003	0.0	0.004	0.0	0.007	0.0	0.008			Build forms
1200	0.0	0.000	0.0	0.003	0.0	0.008	0.0	0.000			Build forms
1300	0.0	0.011	0.0	0.027	0.0	0.011	0.0	0.021			Soil removal
1400	0.0	0.009	0.0	0.016	0.0	0.018	0.0	0.032			Soil removal
1500	0.0	0.002	0.0	0.010	0.0	0.004	0.0	0.010			Build forms

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: NA

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental Engineering Solutions

DAILY AIR MONITORING RECORD FORM

Date: 7/1/15 Project Name/Location: PHG 1301

Site Safety Officer: Michael Cowl

Weather Conditions: 71°F Overcast Wind Speed & Direction: N 3mph

Instrument Make Model & Serial Number:
Mini Rae Lite
Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Restart
800	0.0	0.000	0.0	0.037	0.0	0.026	0.0	0.022			Backfilling
900	0.0	0.025	0.0	0.021	0.0	0.027	0.0	0.022			Backfilling
1000	0.0	0.020	0.0	0.017	0.0	0.025	0.0	0.019			Backfilling
1100	0.0	0.000	0.0	0.021	0.0	0.007	0.0	0.008			Paving Concrete
1200	0.0	0.005	0.0	0.022	0.0	0.010	0.0	0.003			Paving Concrete
1300	0.0	0.011	0.0	0.010	0.0	0.008	0.0	0.007			Paving Concrete
1400	0.0	0.013	0.0	0.014	0.0	0.021	0.0	0.022			Leveling Soil
1500	0.0	0.022	0.0	0.026	0.0	0.022	0.0	0.024			Leveling Gravel

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental Engineering Solutions

DAILY AIR MONITORING RECORD FORM

Date: 7/2/15 Project Name/Location: PAG 1301

Site Safety Officer: Michael Gwl

Weather Conditions: 70°F Sunny Wind Speed & Direction: N 0mph

Instrument Make Model & Serial Number:
Mini Rae Lite
Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
760	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Prestart
830	0.0	0.020	0.0	0.019	0.0	0.028	0.0	0.022			(top form)
900	0.0	0.011	0.0	0.012	0.0	0.008	0.0	0.007			Shoot Soil
1000	0.0	0.016	0.0	0.047	0.0	0.038	0.0	0.017			Build rebar
1100	0.0	0.016	0.0	0.000	0.0	0.016	0.0	0.003			Build rebar
1200											

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental Engineering Solutions

DAILY AIR MONITORING RECORD FORM

Date: 7/6/15 Project Name/Location: PHG1301

Site Safety Officer: J.T.D

Weather Conditions: 72°F, partly cloudy Wind Speed & Direction: 0 mph

Instrument Make Model & Serial Number:
PID 3000 - 590-903337
pDR 1000 AN - 6601

Background Readings: 0.0ppm / 0.000 mg/m³

Air Monitoring Locations

Time	Station 1 N		Station 2 S		Station 3 E		Station 4 W		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
0700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Pre Ast
0800	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Excavating Elevator pit
0900	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			" "
1000	0.0	0.004	0.0	0.000	0.0	0.011	0.0	0.000			Moving Soil
1100	0.0	0.025	0.0	0.010	0.0	0.023	0.0	0.000			" "
1200	0.0	0.006	0.0	0.001	0.0	0.013	0.0	0.002			" "
1300	0.0	0.000	0.0	0.000	0.0	0.002	0.0	0.000			Lunch Break
1400	0.0	0.003	0.0	0.000	0.0	0.014	0.0	0.007			Elevator pit/soil shifting
1500	0.0	0.000	0.0	0.009	0.0	0.008	0.0	0.012			" "
1600	0.0	0.000	0.0	0.000	0.0	0.006	0.0	0.000			" "
1700	0.0	0.000	0.0	0.003	0.0	0.002	0.0	0.000			" "

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: n/A

Notes/Comments: no exceedances

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental Engineering Solutions

DAILY AIR MONITORING RECORD FORM

Date: 7/7/15 Project Name/Location: PTC B01

Site Safety Officer: Michael Gaul

Weather Conditions: 76°F Cloudy Wind Speed & Direction: N 3 mph

Instrument Make Model & Serial Number: MiniRae Lite
Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Pre Start
800	0.0	0.011	0.0	0.018	0.0	0.007	0.0	0.011			Build forms
900	0.0	0.015	0.0	0.013	0.0	0.010	0.0	0.004			Build forms
1000	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Shift J.T
1100	0.0	0.002	0.0	0.004	0.0	0.000	0.0	0.000			Install VB
1200	0.0	0.004	0.0	0.007	0.0	0.003	0.0	0.000			Build forms
1300	0.0	0.000	0.0	0.001	0.0	0.000	0.0	0.000			Build forms
1400	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			VB inspect.
1500	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			VB inspect II

Dust Suppressant Necessary: Yes or No

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental Engineering Solutions

DAILY AIR MONITORING RECORD FORM

Date: 7/8/15 Project Name/Location: PHS 1361

Site Safety Officer: Michael Gaul

Weather Conditions: 78°F Sunny Wind Speed & Direction: N 6mph

Instrument Make Model & Serial Number: MiniRae Lite Thermo

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Prelot
800	0.0	0.007	0.0	0.005	0.0	0.007	0.1	0.000			UB install
900	0.0	0.005	0.0	0.002	0.0	0.002	0.0	0.000			UB install
1000	0.0	0.012	0.0	0.011	0.0	0.007	0.0	0.017			UB install
1100	0.0	0.011	0.0	0.010	0.0	0.006	0.0	0.011			Build forms
1200	0.0	0.007	0.0	0.011	0.0	0.005	0.0	0.003			Pour concrete
1300	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Pour concrete
1400	0.0	0.014	0.0	0.013	0.0	0.022	0.0	0.017			Lunch
1500	0.0	0.0131	0.0	0.035	0.0	0.0133	0.0	0.161			Install rebar
1600	0.0	0.038	0.0	0.014	0.0	0.034	0.0	0.075			Install rebar
1700	0.0	0.01	0.0	0.00	0.0	0.000	0.0	0.061			Organize site

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental Engineering Solutions

DAILY AIR MONITORING RECORD FORM

Date: 7/9/15 Project Name/Location: PHC Bol

Site Safety Officer: Michael Gaul

Weather Conditions: 59°F Cloudy Wind Speed & Direction: ENE 3mph

Instrument Make Model & Serial Number:
Mini Rae 1K
Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
760	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Dress/Prep
800	0.0	0.071	0.0	0.073	0.0	0.069	0.0	0.087			Build rebar
900	0.0	0.086	0.0	0.088	0.0	0.083	0.0	0.071			Build rebar
1000	0.0	0.067	0.0	0.072	0.0	0.074	0.0	0.058			Build rebar
1100	0.0	0.087	0.0	0.090	0.0	0.144	0.0	0.096			Build rebar
Rain	0.0	0.062	0.0	0.051	0.0	0.057	0.0	0.062			Lunch
Rain	0.0	0.150	0.0	0.142	0.0	0.147	0.0	0.130			Shift Jo 1
1400	0.0	0.087	0.0	0.078	0.0	0.088	0.0	0.062			Pour Concrete
1500	0.0	0.062	0.0	0.072	0.0	0.077	0.0	0.064			Pour Concrete
1600	0.0	0.051	0.0	0.052	0.0	0.042	0.0	0.047			Clean Site

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental Engineering Solutions

DAILY AIR MONITORING RECORD FORM

Date: 7/10/15 Project Name/Location: PHC 1301

Site Safety Officer: Michael Cowl

Weather Conditions: 60°F Partly Sunny Wind Speed & Direction: W 4 mph

Instrument Make Model & Serial Number:
Mini Rae Lite
Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Clean Up
800	0.2	0.018	0.0	0.026	0.0	0.022	0.0	0.011			Build rebar
900	0.0	0.132	0.0	0.150	0.0	0.144	0.0	0.096			Build rebar
1000	0.0	0.102	0.0	0.112	0.0	0.103	0.0	0.092			Build rebar
1100	0.0	0.082	0.0	0.074	0.0	0.079	0.0	0.072			Install VB
1200	0.0	0.071	0.0	0.062	0.0	0.078	0.0	0.070			Lunch
1300	0.0	0.062	0.0	0.066	0.0	0.061	0.0	0.059			VB Install
1400	0.0	0.101	0.0	0.091	0.0	0.087	0.0	0.092			VB Install
1500	0.0	0.072	0.0	0.064	0.0	0.077	0.0	0.082			

Dust Suppressant Necessary: Yes or No

Dust Suppressant Used:

Notes/Comments:

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental Engineering Solutions

DAILY AIR MONITORING RECORD FORM

Date: 7/11/15 Project Name/Location: PHG1301

Site Safety Officer: Dan Johnson

Weather Conditions: 75°F Partly Cloudy Wind Speed & Direction: NE6mph

Instrument Make Model & Serial Number: PDR #6
PID #7 MiniRae Lite : 590-903337

Background Readings: 0.0 ppm 0.007 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
0900	0.0	0.011	0.0	0.004	0.0	0.003	0.0	0.014			Pre start
1000	0.0	0.002	0.0	0.008	0.0	0.000	0.0	0.004			rebuilding ramp
1100	0.0	0.005	0.0	0.009	0.0	0.010	0.0	0.007			remove container
1200	0.0	0.029	0.0	0.011	0.0	0.019	0.0	0.022			Concrete Pour
1300	0.0	0.012	0.0	0.008	0.0	0.002	0.0	0.007			Manual Move Soil " "
1400	0.0	0.004	0.0	0.001	0.0	0.012	0.0	0.019			" " " "
1500	0.0	0.009	0.0	0.012	0.0	0.018	0.0	0.029			Manual Move Soil / cleanup

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used:

Notes/Comments: Lay some Concrete. (4 trucks)
Lay Vapor Barrier on 25th St side
Relocate some soil on in Crawlspace Area

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental Engineering Solutions

DAILY AIR MONITORING RECORD FORM

Date: 7/13/15 Project Name/Location: PHG B01

Site Safety Officer: Michael Gwl

Weather Conditions: 68°F Partly Cloudy Wind Speed & Direction: ENE 3mph

Instrument Make Model & Serial Number: Mini RaeLite
Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Prestart
800	0.0	0.008	0.0	0.009	0.0	0.011	0.0	0.007			Back fill
900	0.0	0.028	0.0	0.022	0.0	0.020	0.0	0.026			Soil Removal
1000	0.0	0.021	0.0	0.012	0.0	0.001	0.0	0.011			Shaft Soil
1100	0.0	0.013	0.0	0.036	0.0	0.022	0.0	0.045			Soil Removal
1200	0.0	0.000	0.0	0.029	0.0	0.011	0.0	0.037			Soil Removal
1300	0.0	0.020	0.0	0.014	0.0	0.022	0.0	0.018			Build Rebar
1400	0.0	0.011	0.0	0.014	0.0	0.026	0.0	0.022			Soil Removal
1500	0.0	0.012	0.0	0.018	0.0	0.022	0.0	0.011			Build Rebar
1600	0.0	0.020	0.0	0.021	0.0	0.023	0.0	0.014			Build Rebar

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental Engineering Solutions

DAILY AIR MONITORING RECORD FORM

Date: 7/14/15 Project Name/Location: PHG 1301

Site Safety Officer: Michael Gaul

Weather Conditions: 70°F Cloudy Wind Speed & Direction: SSW 6mph

Instrument Make Model & Serial Number: Mini Rae Lite
Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Pre Sgt
800	0.0	0.019	0.0	0.011	0.0	0.015	0.0	0.007			Build rebar
900	0.0	0.020	0.0	0.022	0.0	0.011	0.0	0.013			Build rebar
1000	0.0	0.015	0.0	0.017	0.0	0.009	0.0	0.007			Build rebar
1100	0.0	0.011	0.0	0.008	0.0	0.007	0.0	0.008			Build forms
1200	0.0	0.012	0.0	0.013	0.0	0.008	0.0	0.005			Build forms
1300	0.0	0.007	0.0	0.005	0.0	0.003	0.0	0.000			Build forms
1400	0.0	0.022	0.0	0.030	0.0	0.031	0.0	0.040			Soil Removal
1500	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Build forms
1600	0.0	0.011	0.0	0.006	0.0	0.012	0.0	0.005			Build forms
1700											

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental Engineering Solutions

DAILY AIR MONITORING RECORD FORM

Date: 7/15/15 Project Name/Location: PHG 1301

Site Safety Officer: Michael Gaul

Weather Conditions: 60°F Cloudy Wind Speed & Direction: NE 14 mph

Instrument Make Model & Serial Number:
Mini RaeLite
Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Prestart
800	0.0	0.002	0.0	0.007	0.0	0.011	0.0	0.000			Build rebar
900	0.0	0.005	0.0	0.000	0.0	0.002	0.0	0.003			Build forms
1000	0.0	0.010	0.0	0.012	0.0	0.027	0.0	0.027			Shift Set
1100	0.0	0.011	0.0	0.013	0.0	0.015	0.0	0.017			Build forms
1200	0.0	0.007	0.0	0.005	0.0	0.000	0.0	0.000			Build forms

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

917-327-3391

PWGC
Strategic Environmental Engineering Solutio

DAILY AIR MONITORING RECORD FORM

Date: 7/16/15 Project Name/Location: PHG 1301

Site Safety Officer: Michael Gaul

Weather Conditions: 60°F Sunny Wind Speed & Direction: 76% humid E 4mph

Instrument Make Model & Serial Number:
Mini Rae Lite
Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Prestart
800	0.0	0.007	0.0	0.011	0.0	0.013	0.0	0.007			VB install
900	0.0	0.011	0.0	0.001	0.0	0.008	0.0	0.002			Shift Job
1000	0.0	0.000	0.0	0.011	0.0	0.009	0.0	0.013			Build forms
1100	0.0	0.000	0.0	0.004	0.0	0.012	0.0	0.013			Build forms
1200	0.0	0.000	0.0	0.000	0.0	0.005	0.0	0.012			Build forms
1300	0.0	0.145	0.0	0.148	0.0	0.146	0.0	0.131			Build forms
1400	0.0	0.129	0.0	0.133	0.0	0.145	0.0	0.111			Build forms

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental Engineering Soluti

DAILY AIR MONITORING RECORD FORM

Date: 7/17/15 Project Name/Location: PHG1301

Site Safety Officer: Michael Gaul

Weather Conditions: 60°F Cloudy Wind Speed & Direction: E 6 mph

Instrument Make Model & Serial Number:
Mini Rae Lite
Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Prestart
800	0.0	0.124	0.0	0.136	0.0	0.133	0.0	0.092			Build forms
900	0.0	0.121	0.0	0.147	0.0	0.119	0.0	0.140			Chop rock
1000	0.0	0.092	0.0	0.098	0.0	0.113	0.0	0.112			Build forms
1200	0.0	0.101	0.0	0.147	0.0	0.120	0.0	0.145			Build forms
1300	0.0	0.135	0.0	0.137	0.0	0.111	0.0	0.148			Pour forms
1400	0.0	0.110	0.0	0.046	0.0	0.132	0.0	0.138			Chop rock
1500	0.0		0.0		0.0		0.0				Build forms

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental Engineering Solutions

DAILY AIR MONITORING RECORD FORM

Date: 7/28/15 Project Name/Location: PHG 1301

Site Safety Officer: Michael Gaul

Weather Conditions: 70°F Sunny Wind Speed & Direction: N 0 mph

Instrument Make Model & Serial Number:
Mini Rae Lite
Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m3

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
900	0.0	0.087	0.0	0.097	0.0	0.111	0.0	0.089			Coffee Break
1000	0.0	0.000	0.0	0.011	0.0	0.000	0.0	0.012			Clean Slab
1100	0.0	0.021	0.0	0.015	0.0	0.012	0.0	0.016			VB install
1200	0.0	0.007	0.0	0.005	0.0	0.011	0.0	0.022			Soil Delivery
1300	0.0	0.016	0.0	0.028	0.0	0.017	0.0	0.020			VB install
1400	0.0	0.010	0.0	0.009	0.0	0.021	0.0	0.017			VB install
1500	0.0	0.000	0.0	0.002	0.0	0.003	0.0	0.000			Clean it

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental Engineering Sol

DAILY AIR MONITORING RECORD FORM

Date: 7/29/15 Project Name/Location: PHG1301

Site Safety Officer: Michael Gaul

Weather Conditions: 79°F Sunny Wind Speed & Direction: W 6mph

Instrument Make Model & Serial Number:
Mini Rae Lite
Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
800	0.0	0.004	0.0	0.011	0.0	0.007	0.0	0.012			Spread Clean fill
900	0.0	0.018	0.0	0.010	0.0	0.016	0.0	0.026			Soil delivery
1000	0.0	0.000	0.0	0.000	0.0	0.014	0.0	0.011			Backfilling
1100	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.018			Backfilling
1200	0.0	0.000	0.0	0.002	0.0	0.001	0.0	0.006			Lunch
1300	0.0	0.004	0.0	0.016	0.0	0.012	0.0	0.023			Trench Dig in

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

PWGC
Strategic Environmental Engineering Sc

DAILY AIR MONITORING RECORD FORM

Date: 7/30/15 Project Name/Location: PHG1301

Site Safety Officer: Michael Gaul

Weather Conditions: 80°F Cloudy Wind Speed & Direction: N 3mph

Instrument Make Model & Serial Number:
Mini Rae Lite
Thermo PDR

Background Readings: 0.0 ppm / 0.000 mg/m³

N S E W

Air Monitoring Locations

Time	Station 1		Station 2		Station 3		Station 4		Station 5		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
700	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000			Prestart
800	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.002			Trenching
900	0.0	0.000	0.0	0.000	0.0	0.001	0.0	0.004			Spreading Soil
1000	0.0	0.002	0.0	0.000	0.0	0.000	0.0	0.001			Spreading Soil

Dust Suppressant Necessary: Yes or (No)

Dust Suppressant Used: N/A

Notes/Comments: N/A

Note: PID concentrations recorded in parts per million (ppm)
Particulate concentrations recorded in mg/m³

APPENDIX D

NYCOER CORRESPONDENCE

From:	Zhang, Horace
To:	Thomas Melia
Cc:	Moore, Hannah; James Rhodes; Matthew Kelly
Subject:	RE: Phipps Plaza South
Date:	Thursday, January 08, 2015 4:05:45 PM
Attachments:	image001.gif image002.png image003.png image004.png

Thomas,

Thank you for keeping us updated on the project. We can increase the SVOC Site Specific SCO to 500ppm. This will need to be documented in the Closure Report (Section 3, deviations from the RAWP).

Horace

From: Thomas Melia [mailto:thomasm@pwgrosser.com]
Sent: Thursday, January 08, 2015 3:52 PM
To: Zhang, Horace
Cc: Moore, Hannah; James Rhodes; Matthew Kelly
Subject: Phipps Plaza South

Horace –

We collected endpoint sample EP003 from the northwest corner of the site last week and got the results back last night (copy attached). Lead concentrations were fine (180 ppm) however total SVOCs were above the site specific SCO of 250 ppm (391 ppm). Seeing as how that portion of the site will be capped with concrete and the lead concentration was acceptable, we wanted to get some guidance from you on whether additional soil removal would be necessary. Please let us know. Thanks.

Thomas Melia | Project Manager

630 Johnson Ave, Suite 7
Bohemia, NY 11716
w. 631.589.6353
c. 516.315.6002
f. 631.589.8705

Gmail by Google

Thomas Melia <thomasm@pwgrosser.com>

RE: Phipps Plaza South (15CVCP032M)

1 message

Zhang, Horace <HZhang@dep.nyc.gov> Wed, May 6, 2015 at 2:49 PM
To: Thomas Melia <thomasm@pwgrosser.com>
Cc: "Moore, Hannah" <HMoore@dep.nyc.gov>

Hi Thomas,

OER does not object to the reuse of materials on site which meet the Site Specific SCOs, and will be placed underneath a cap. Please proceed with the on-sire reuse as proposed.

Thanks,

Horace

From: Thomas Melia [mailto:thomasm@pwgrosser.com]
Sent: Wednesday, May 06, 2015 1:45 PM
To: Zhang, Horace
Cc: Moore, Hannah
Subject: Phipps Plaza South (15CVCP032M)

Horace –

The GC on the site would like to reuse some of the onsite soils to build up grade in the areas where the basement will be a crawl space. The soils they would be re-using would come from Grids 2 and 3 (see revised excavation plan) from at least 8 feet below grade. We have data for the 0 to 2 and 13 to 15 foot intervals in those Grids (borings B-3, B-4 and B-5). Impact in those samples (both the shallow and deep intervals) were below Restricted Residential SCOs and/or Site Specific SCOs.

Based on that information, will re-use of those soils be acceptable?

Thanks.

Thomas Melia | Project Manager

P.W. Grosser Consulting

630 Johnson Ave, Suite 7
Bohemia, NY 11716

w. 631.589.6353
c. 516.315.6002

f. 631.589.8705

Gmail by Google

Thomas Melia <thomasm@pwgrosser.com>

RE: Phipps Plaza South (15CVCP032M)

1 message

Zhang, Horace <HZhang@dep.nyc.gov> Tue, Jun 2, 2015 at 2:50 PM
To: Thomas Melia <thomasm@pwgrosser.com>
Cc: "Moore, Hannah" <HMoore@dep.nyc.gov>

Hi Thomas,

OER has no objection with the use of this material on the site.

Thanks,
Horace

From: Thomas Melia [mailto:thomasm@pwgrosser.com]
Sent: Monday, June 01, 2015 2:00 PM
To: Zhang, Horace
Cc: Moore, Hannah
Subject: Phipps Plaza South (15CVCP032M)

Horace –

Please see the attached lab results for a proposed backfill material source (Durante & Sons Recycling). There were a couple of pesticides that exceeded Unrestricted Use SCOs, but everything was below Restricted Residential SCOs.

This material would be used in the rear courtyard area. Approximately 65 to 75% of the courtyard will be concrete paved, the remainder will be landscaped, so a portion of these soils (if used) will not be capped with concrete.

Please let me know if these soils will be acceptable for use at the site, or if we should just assume that since they will be exposed, we must find soils that meet Unrestricted Use SCOs.

If you could get me an answer as soon as possible, I'd appreciate it; the GC is looking to import fill material later this week. Thanks.

Thomas Melia | Project Manager

P.W. Grosser Consulting

630 Johnson Ave, Suite 7
Bohemia, NY 11716

w. 631.589.6353
c. 516.315.6002

f. 631.589.8705

Thomas Melia <thomasm@pwgrosser.com>

RE: Phipps Plaza South (15CVCP032M)

1 message

Zhang, Horace <HZhang@dep.nyc.gov> Thu, Jun 25, 2015 at 12:08 PM
To: "thomasm@pwgrosser.com" <thomasm@pwgrosser.com>

Hi Tom,

OER has no objection with the use of this material on the site.

Thanks,

Horace

From: thomasm@pwgrosser.com [mailto:thomasm@pwgrosser.com]
Sent: Thursday, June 25, 2015 10:36 AM
To: Zhang, Horace
Subject: Fwd: Phipps Plaza South (15CVCP032M)

Horace

Just following up on the email below. Please let me know if that fill material is acceptable.

Thanks.

Sent from my iPhone

Begin forwarded message:

> **From:** Thomas Melia <thomasm@pwgrosser.com>
> **Date:** June 24, 2015 at 4:01:51 PM EDT
> **To:** "Zhang, Horace" <HZhang@dep.nyc.gov>
> **Subject: RE: Phipps Plaza South (15CVCP032M)**
>
> Horace –
>
> Looks like the timing on the Third Ave soil bank site is not going to work out.

The GC got a new stockpile from the Durante facility. This is the same facility that they got the first 500 yards from (we sent over the data on 6/1), but the second stockpile was no good (data sent over on 6/16).

This third stockpile has one SVOC, acetone, and a couple of pesticides over Unrestricted Use SCOs. All of the compounds are below Restricted Residential SCOs. Again, this material would be placed in the rear courtyard area, approx. 65-75% of which is capped by concrete.

Please let me know if this material is acceptable to OER.

Thanks.

Thomas Melia | Project Manager **| P.W. Grosser Consulting**

630 Johnson Ave, Suite 7
Bohemia, NY 11716

w. 631.589.6353
c. 516.315.6002

f. 631.589.8705

APPENDIX E

TANK CLOSURE DOCUMENTATION

METROPOLITAN
IM INC.
HEAT & POWER COMPANY

Four Generations...Industrial & Domestic

March 30, 2015

New York City Fire Department
Bureau of Fire Prevention
9 Metrotech Center - 3rd Floor
Brooklyn, N.Y. 11201

RE: 325 East 25th Street New York NY

I hereby certify that I am an Oil-Burning Equipment Installer with License #2681A Expires 02/28/2016.

Purged and permanently removed (1)1080 gallon buried #2 fuel oil storage tank at the above location. All piping has been discontinued in accordance with the guidelines described in FC3404.2.13 & FC3404.2.14

Robert B. Traktman

State of New York
County of Kings: ss:
Sworn to before me this 30th day of March 2015

Notary Public

HENRY W. TRAKTMAN
Notary Public State of New York
NO. 24-9370655
Qualified in Kings County
Commission Expires August 31, 2016

820 Coney Island Avenue
Brooklyn, NY 11218

P: 718.941.7600
F: 718.941.7606
W: www.metropolitanheat.com
E: metroheat@metropolitanheat.com

Master Plumber License No. 1341
Oil Burner Installer License No. 2681A

Licensed Oil Tank Teste
Backflow Teste
Air Compressor Teste
Heating Engineer

A NAME AND A REPUTATION MEAN A LOT

TANKS A LOT®

Division of A.B.C. Tank Repair & Lining Inc.
280 EAST 88TH STREET, BROOKLYN, N.Y. 11236
(718) 387-8300 (718) 272-2800 (718) OIL TANK

JOB TICKET / SHIPPING PAPERS

№ 27384

TANK SIZE 1000

Date 12-10-15

Job Site 325 1st 25th Street

Boro: Bk/C

INCLUDE TRAVEL TIME

DRIVER Brenton HELPER Billy TRUCK NO 88

TIME STARTED 3:00pm TIME FINISHED 4:00pm

HELPERS

TIME STARTED TIME FINISHED

TOTAL TOLLS:

	GALLONS		GALLONS
INCHES IN TANK BEFORE CLEANING	500	INCHES IN TANK AFTER CLEANING	

FUEL OIL # **NA 1993 FLAMMABLE LIQUID**

WATER ☐ 500

OTHER

AMOUNT OF SLUDGE REMOVED **GALS.**

GALS. OF GOOD OIL PUT BACK IN TANK **GALS.**

DIAMETER OF TANK IN INCHES

DOES TANK HAVE LINING: YES ☐ NO ☐

IS THE TANK GAUGE WORKING: YES ☐ NO ☐

IS THE TANK GAUGE ACCURATE: YES ☐ NO ☐

The service mentioned below.

1 ☐ DIG UP FUEL STORAGE TANK 2 ☐ CUT MANWAY

3 ☐ PUMP OUT AND SQUEEGEE CLEAN ..... GAL. FUEL STORAGE TANK BY A VACUUM METHOD.

4 ☐ NEW GASKET — RUBBER ☐ FELT ☐

5 ☐ NEW NUTS AND BOLTS

6 ☐ BACK FILL DIRT

7 ☐ PUMP OUT ..... GAL. TANK BY A STICK LINE METHOD

8 ☐ STEAM CLEAN SUCTION AND RETURN LINES

9 ☐ SPILL CLEAN-UP

10 ☒ OTHER WORK DONE Pump out 1000 Gallons Oil Tank Remove 500 Gallons of contaminated water

11 ☐ R.D. ☐ NO R.D. AMT. R.D. _____ SLUDGE _____

12 ☐ IF PRODUCT IS DELIVERED TO ANOTHER BUILDING ADDRESS

ADDRESS

AMOUNT DELIVERED SUPT. SIGNATURE

ADDRESS

AMOUNT DELIVERED SUPT. SIGNATURE

Ship bill to

Attn.

Tel.

Job ok by

P.O. #

The signature below should be signed only by the owner, super, engineer of the building, or by the employee of the above mentioned Oil Company

This signature will indicate that the tank, or the work that has been done, has been inspected, (and manhole, if worked on) and properly secured, and been left in a complete safe condition

This ticket should only be signed if the work area is completely satisfactory and also, that the product is accurately accounted for

ON HOURLY RATES GIVEN TRAVELING TIME WILL BE INCLUDED.

RECEIVED AND READ BY X

PHONE NO. OF PERSON ABOVE

THE PERSON WHO SIGNS ABOVE HAS THE OPTION OF INSPECTING VACUUM TRUCK AND PRODUCT IN VACUUM TRUCK BEFORE IT LEAVES PREMISES.

TERMS: Net 10 days, maximum rate of interest allowable by law will be charged after this date In the event this order is not paid in accordance to the terms of sale, and collection action becomes necessary, this order is subject to an Additional 25% collection fee on the unpaid balance

REMARKS OR MATERIAL USED

ALL WASTE PRODUCT WILL BE DELIVERED TO PROPER DISPOSAL SITE NAMED ON 364 PERMIT.

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number

GENERATOR

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone:

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1.					
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name | Signature | Month | Day | Year

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name | Signature | Month | Day | Year

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name | Signature | Month | Day | Year

APPENDIX F

ENDPOINT SAMPLE LABORATORY REPORTS

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: 12/31/14

ALPHA Job #: L1431255

Client Information

Client: P.W. Grosser Consultant
Address: 630 Johnson Avenue, Bohemia, NY, 11716
Phone: 631-589-6353
Fax:
Email:

Project Information

Project Name: Phipps plaza
Project Location: 325 East 25th Street, NYC
Project #: PHG1301
(Use Project name as Project #)
Project Manager:
ALPHAQuote #:

Turn-Around Time

Standard ☑ Due Date: 1/6/15
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

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	8 Metals	Lead	Total Bottle	Sample Specific Comments
31255-01	EP003	12/30/14	11:01	Soil		✓	✓		

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
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
P.W. Grosser	12/30/14 1120	Dave Lunn ALPHA	12/30/14 1120
Dave Lunn	12/30/14		12/30/14
AAL	12/31/14 2300		12/31/14 23a

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)

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 of

Date Rec'd in Lab: 2-11-15

ALPHA Job #: L1502612

Client Information

Client: PW Grosser Consulting
Address: 630 Johnson Ave
Bohemia NY
Phone: 631-589-6353
Fax:
Email: thomasm@pwgrosser.com

Project Information

Project Name: Phipps Plaza
Project Location: 325 E 25th St Manhattan NY
Project # PHG 1301
(Use Project name as Project #) ☐
Project Manager: Thomas Melia
ALPHAQuote #:

Turn-Around Time

Standard ☑ Due Date: 2-18-15
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

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	CP-51 VOC	CP-51 SVOC	TS	Total Bottle	Sample Specific Comments
02612-01	Bottom 001	2/11/15	10:20	Soil	MG	x	x	x		
-02	N Side 001	2/11/15	10:28	Soil	MG	x	x	x		
-03	S Side 001	2/11/15	10:24	Soil	MG	x	x	x		
-04	E Side 001	2/11/15	10:26	Soil	MG	x	x	x		
-05	W Side 001	2/11/15	10:22	Soil	MG	x	x	x		

Container Type: P
Preservative: A 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
	2-11-15 1236		2-11-15 1236
	2-11-15 1900		2-11-15 1900
	2-11-15 2255		2-11-15 2255

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)

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.

CHAIN OF CUSTODY

PAGE_____ OF _____

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 5/13/15

ALPHA Job #: L1510376

Client Information

Client: PW Grosser Consulting
Address: 630 Johnson
Bohemia NY
Phone: 516-315-6002
Fax:
Email: thomas m @pwgrosser.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: PHG 1301
Project Location: 325 E 25th St
Project #: PHG 1301
Project Manager: Thomas Melia
ALPHA Quote #:

Turn-Around Time

☐ Standard ☑ RUSH (only confirmed if pre-approved!)
Date Due: Time: 48hrs

Report Information - Data Deliverables

☐ FAX ☐ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria

Other Project Specific Requirements/Comments/Detection Limits:

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Analysis: Metals	Analysis: SVOCs	Sample Specific Comments	Total # Bottles
10376-01	EP002	5/13/15	11:45	SOIL	MC	✓	✓		

SAMPLE HANDLING
Filtration_____
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Container Type														
Preservative														

Relinquished By:	Date/Time	Received By:	Date/Time
	5/13/15 1440	(AAL)	5/13/15 1440
	5/13/15 1820		5/13/15 1820
	5/13/15 2355		5/13/15 2355

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.

FORM NO: 01-01 (rev. 14-OCT-07)

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

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: 5/18/15

ALPHA Job #: L1507?

Client Information

Client: PW Grosser Consulting
Address: 630 Johnson Ave
Phone: 516-315-6002
Fax:
Email: thomasm@pwgrosser.com

Project Information

Project Name: PHG 1301
Project Location: @ 325 E 25th St
Project #: PHG 1301
(Use Project name as Project #)
Project Manager: Thomas Melia
ALPHAQuote #:

Turn-Around Time

Standard ☐ Due Date:
Rush (only if pre approved) ☒ # of Days: 48 hrs

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	Metals	SVOC's							Total Bottle
15278-01	EP005	5/18/15	11:45	Soil	MG	✓	✓							
Container Type						A	A							
Preservative						A	A							

Sample Filtration

☐ Done
☐ Lab to do

Preservation

☐ Lab to do

(Please Specify below)

Sample Specific Comments

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
Michael Gent	5/18/15 11:48	[signature]	5/18/15 11:48
[signature]	5/18/15 1830	Tom Tobin	5/18/15 1830
Tom Tobin	5-18-15 2200	Conelius Sapp	5/18/15 2200

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)

APPENDIX G

WASTE APPROVAL DOCUMENTATION

IMPACT ENVIRONMENTAL
170 Keyland Court| Bohemia| NY | 11716 | 631.269.1599
welcome to solid ground…
www.impactenvironmental.com

October 3, 2014

Mr. James Sherrier
EWMI, Inc.
14 Brick Kiln Court
Northampton, PA 18067

RE: Waste Characterization Report
325 East 25th Street, New York, NY 10010
Block 931, Lot 17

Dear Mr. Sherrier:

This Waste Characterization Report (WCR) summarizes findings of the in-situ waste characterization investigation performed for the East 25th Street Project (the "project") located at 325 East 25th Street, New York, New York (**Figure 1. Site Location**) on September 26th, 2014. This sampling event was conducted by Impact Environmental Consulting, Inc. ("Impact") in accordance with the Waste Characterization Sampling Plan dated September 24th, 2014 (**Exhibit 1, Waste Characterization Sampling Plan**). The WCR specifically provides field observations and analytical results of samples collected during the investigation.

The project will involve excavation of approximately 2,500 cubic yards of surplus material from the existing grade to various depths below site grade ranging from 2 to 12 feet (**Table 1, Waste Characterization Samples Identification Table**). To conform with the excavation plan, subsurface geology condition and the chemical quality of the surplus material revealed in the previous geotechnical/ environmental investigation results[1,2], the site was divided into 3 waste management grids identified as Grid 1, Grid 2 and Grid 3. Grid 3 is further split into two layers: 0 to 8 feet below surface (fbs), and 8 fbs to 12 fbs. Thus, there is a total of 4 waste management cells. The material was sampled at the sampling frequency of one sample set (equivalent to one five-point composite sample and one discrete sample) per minimum 800 cubic yards as required by the most disposal facilities.

The eastern half of the site is currently occupied by an abandoned basketball court. A rubberized playground with a foundation one feet above the site surface is situated at the northwest corner. The southwest portion of the site is asphalt paved vacant land. Except for the rubberized playground, the entire site is covered by 6 to 8 inches of asphalt pavement.

As shown on **Figure 2. Soil Boring Location Map**, a total of six (6) borings were advanced to a maximum depth of 12 feet below ground surface using Geoprobe® direct push drilling rig. The drilling was performed by Aarco Environmental Service Corp. ("Aarco"). Photoionization detector was used to screen the soil sample throughout each of the borings. Elevated PID readings above 0.0 ranging from 0.8 to 77.5 ppmv were registered in all of the borings. Each of the boring was advanced to or deeper than the designed depth (**Exhibit 1, Waste Characterization Sampling Plan**) except for WC-1A. Bedrock was encountered at 6 fbs, 12 fbs and 12 fbs in WC-2A, WC-2B and WC-3B, respectively. Refusal was encountered at approximately 6 fbs in boring WC-1A. According to Aarco, the refusal was not attributed by bedrock but possible RCAs (recycled concrete aggregates).

In the majority of the site, the soil encountered was represented in the form of brown to tan loose medium to fine sand and little fine gravels mixed with fill material comprised of red bricks, concrete fragments, coal frags, and plastic. The fill material presents from the surface to 12 fbs. Specifically in boring WC-3B, native material in the form of medium to fine sand mixed with fine gravels was observed from 7.5 fbs to 12 fbs. Soil boring logs are attached (**Exhibit 2, Soil Boring Logs**) for reference. Pictures of site conditions and selective cores of borings are provided in **Exhibit 3, Site Photographs**.

A total of 4 sample sets was collected from each of the designated waste characterization cells. The discrete sample was collected at the location with the highest PID readings in each cell using a 5-gram EnCore® sampler. All the samples were delivered to Phoenix Environmental Laboratories, Inc. ("Phoenix") for analysis. Phoenix is an ELAP, NJ, and PA certified environmental laboratory. The discrete sample was analyzed for VOCs by Environmental Protection Agency (EPA) Method 8260. The composite samples were analyzed for Semi-Volatile Organic Compounds (SVOCs) using USEPA Test Method 8270, Pesticides & PCBs using USEPA Test Method 8082, Herbicides using USEPA Test Method 8051, Total Metals using USEPA Test Method 6010 and pH. The composite soil sample in Grid 1 was additionally analyzed for toxicity characteristic leaching procedure (TCLP) RCRA Metals using USEPA Test Method 1311. The final deliverable laboratory reports are attached in **Exhibit 4, Original Laboratory Report.**

Total soil sample results were compared against with New Jersey Residential Direct Contact Soil Remediation Standard (NJ RDCSRS), PA Clean Fill Limits and PA Regulated Fill Limits, respectively. (**Table 2, Soil Analysis Summary Table**). TCLP soil sample results were compared against TCLP Hazardous Waste Regulatory Levels (**Table 3. TCLP Analysis**). No results show the tested material presents hazardous waste characteristics.

Please feel free to contact me with any questions.

Sincerely,
IMPACT ENVIRONMENTAL

Die Fu
Environmental Analyst

TABLES:

FIGURES:

EXHIBITS

REFERENCES

1. Remedial Investigation Report dated September 2013 prepared by P.W. Grosser and
2. Geotechnical Engineering Investigation Report dated March 2007 prepared by Pillori Associates

TABLES

Table 1. Waste Characterization Sample Identification

Location: 325 East 25th Street, New York, NY

Grid	Volume (CYD)	Depth (fbg)	Material Characterization	Boring Location	Sample ID		Analysis
					Composite ID	Grab ID	
1	450	(0-6 or 12)	Fill	WC-1 A, WC-1B	WC-1 Fill	WC-1 Grab	Package B**
2	782	(0-6 or 12)	Fill	WC-2A, WC-2B	WC-2 Fill	WC-2 Grab	Package A*
3	1278	(0-8)	Fill	WC-3A, WC-3B	WC-3 Fill	WC-3 Fill Grab	Package A*
3		(8-12)	Native Silty-Sand	WC-3B	WC-3 Native	WC-3 Native Grab	Package A*
Total	2,510						

Note: *Package A includes: Volatiles (82620 C), Semi Volatiles (8270 D), TAL Metals (6010C), Pesticides (8081 B), PCB's (8082 A) and Herbicides (8151A).
**Package B is a package A PLUS a TCLP RCRA 8 (1311/6010C) metals and TPH (8015C).

Table 2. Soil Analysis

Location: 325 East 25th Street, New York, NY

CAS Number	Parameter Name	Parameter ID	PA Clean Fill Standards	PA WMGR096 Regulated Fill Limits	NJ RDCSRS	WC-1 FILL 1 COMP	Q	MDL	WC-2 FILL 1 COMP	Q	MDL	WC-3 FILL 1 COMP	Q	MDL	WC-3 NATIVE COMP	Q	MDL	WC-1 FILL GRAB	Q	MDL	WC-2 FILL GRAB	Q	MDL	WC-3 FILL GRAB	Q	MDL	WC-3 NATIVE GRAB	Q	MDL
	Sample ID	Depth				0-12'			0-8'			0-7'			7-12'															
	Date					9/26/2014			9/26/2014			9/26/2014			9/26/2014			9/26/2014			9/26/2014			9/26/2014			9/26/2014		
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
630-20-6	1,1,1,2-Tetrachloroethane	VOC	18,000	18,000	NA													< 5.1	U	1	< 5.3	U	1.1	< 6.1	U	1.2	< 5.3	U	1.1
71-55-6	1,1,1-Trichloroethane	VOC	7,200	7,200	290,000													< 5.1	U	1	< 5.3	U	1.1	< 6.1	U	1.2	< 5.3	U	1.1
79-34-5	1,1,2,2-Tetrachloroethane	VOC	9.3	9.3	1,000													< 5.1	U	0.72	< 5.3	U	0.75	< 6.1	U	0.87	< 5.3	U	0.75
79-00-5	1,1,2-Trichloroethane	VOC	150	150	2,000													< 5.1	U	0.5	< 5.3	U	0.52	< 6.1	U	0.6	< 5.3	U	0.52
76-13-1	1,1,2 Trichloro-1,2,2 Trifluoroethane	VOC	26,000,000	53,000,000	NA																								
92-52-4	1-1- Biphenyl	SVOC	790,000	2,200,000	3,100,000	< 2600	U	1100	< 2700	U	1200	< 260	U	110	< 240	U	110												
75-34-3	1,1-Dichloroethane	VOC	650	2700	8,000													< 5.1	U	1	< 5.3	U	1	< 6.1	U	1.2	< 5.3	U	1
75-35-4	1,1-Dichloroethene	VOC	190	190	11,000													< 5.1	U	1.1	< 5.3	U	1.2	< 6.1	U	1.3	< 5.3	U	1.2
96-18-4	1,2,3-Trichloropropane	VOC	1,600	820	NA																								
95-63-6	1,2,4-Trimethylbenzene	VOC	9,000	20,000	NA																								
96-12-8	1,2-Dibromo-3-Chloropropane	VOC	9.2	9.2	80													< 5.1	U	1.4	< 5.3	U	1.4	< 80	U	67	< 5.3	U	1.4
106-93-4	1,2-Dibromoethane	VOC	1.2	1.2	8													< 5.1	U	1.4	< 5.3	U	1.4	< 6.1	U	1.6	< 5.3	U	1.4
95-50-1	1,2-Dichlorobenzene	VOC	59,000	59,000	5,300,000													< 5.1	U	0.56	< 5.3	U	0.58	< 250	U	28	< 5.3	U	0.58
107-06-2	1,2-Dichloroethane	VOC	100	100	900													< 5.1	U	0.45	< 5.3	U	0.47	< 6.1	U	0.54	< 5.3	U	0.47
78-87-5	1,2-Dichloropropane	VOC	110	110	2,000													< 5.1	U	0.72	< 5.3	U	0.75	< 6.1	U	0.87	< 5.3	U	0.75
108-67-8	1,3,5-Trimethylbenzene	VOC	2,800	6,200	NA																								
541-73-1	1,3-Dichlorobenzene	VOC	61,000	61,000	5,300,000													< 5.1	U	0.75	< 5.3	U	0.78	< 250	U	37	< 5.3	U	0.78
142-28-9	1,3-Dichloropropane	VOC	NA	NA	NA																								
542-75-6	1,3-Dichloropropene(cis and trans)	VOC	120	460	2,000																								
106-46-7	1,4-Dichlorobenzene	VOC	10,000	10,000	5,000													< 5.1	U	0.81	< 5.3	U	0.84	< 250	U	40	< 5.3	U	0.84
123-91-1	1,4-Dioxane	VOC	73	310	NA													< 100	U	100	< 100	U	100	< 100	U	100	< 100	U	100
78-93-3	2-Butanone	VOC	54,000	110,000	3,100,000													< 31	U	4.4	< 32	U	4.6	< 37	U	5.3	< 32	U	4.6
95-49-8	2-Chlorotoluene	VOC	20,000	20,000	NA																								
108-10-1	4-Methyl-2-Pentanone	VOC	2900	6300	NA													< 26	U	1.2	< 27	U	1.3	< 31	U	1.5	< 27	U	1.3
67-64-1	Acetone	VOC	41,000	110,000	70,000,000													< 50	U	5.1	< 50	U	5.3	92	S	6.1	< 50	U	5.3
107-02-8	Acrolein	VOC	0.62	1.4	500													< 26	U	4.1	< 27	U	4.2	< 31	U	4.9	< 27	U	4.2
107-13-1	Acrylonitrile	VOC	8.7	37	900													< 10	U	2.9	< 11	U	3	< 12	U	3.4	< 11	U	3
71-43-2	Benzene	VOC	130	130	2,000													< 5.1	U	1	< 5.3	U	1	< 6.1	U	1.2	< 5.3	U	1
92-87-5	Benzidine	SVOC	NA	340	700	< 5500	U	5500	< 5700	U	5700	< 550	U	550	< 520	U	520												
74-97-5	Bromochloromethane	VOC	1,600	1,600	NA													< 5.1	U	0.74	< 5.3	U	0.77	< 6.1	U	0.89	< 5.3	U	0.77
75-27-4	Bromodichloromethane	VOC	3,400	3,400	1,000													< 5.1	U	0.63	< 5.3	U	0.66	< 6.1	U	0.76	< 5.3	U	0.66
75-25-2	Bromoform	VOC	4,400	4,400	81,000													< 5.1	U	0.71	< 5.3	U	0.74	< 6.1	U	0.85	< 5.3	U	0.74
74-83-9	Bromomethane	VOC	540	540	25,000													< 5.1	U	3.9	< 5.3	U	4.1	< 6.1	U	4.7	< 5.3	U	4.1
75-15-0	Carbon Disulfide	VOC	160,000	350,000	7,800,000													< 5.1	U	0.83	< 5.3	U	0.86	30		0.99	< 5.3	U	0.86
56-23-5	Carbon Tetrachloride	VOC	260	260	600													< 5.1	U	0.59	< 5.3	U	0.61	< 6.1	U	0.71	< 5.3	U	0.61
108-90-7	Chlorobenzene	VOC	6,100	6,100	510,000													< 5.1	U	0.75	< 5.3	U	0.78	< 6.1	U	0.9	< 5.3	U	0.78
124-48-1	Chlorodibromomethane	VOC	3,200	3,200	3,000													< 5.1	U	0.57	< 5.3	U	0.59	< 6.1	U	0.68	< 5.3	U	0.59
75-00-3	Chloroethane	VOC	5,000	19,000	220,000													< 5.1	U	1.2	< 5.3	U	1.2	< 6.1	U	1.4	< 5.3	U	1.2
67-66-3	Chloroform	VOC	2,500	2,500	600													< 5.1	U	0.93	< 5.3	U	0.96	< 6.1	U	1.1	< 5.3	U	0.96
74-87-3	Chloromethane	VOC	38	38	4,000													< 5.1	U	2.7	< 5.3	U	2.8	< 6.1	U	3.2	< 5.3	U	2.8
156-59-2	cis-1,2-Dichloroethene	VOC	1,600	1,600	230,000													< 5.1	U	1.1	< 5.3	U	1.2	< 6.1	U	1.3	< 5.3	U	1.2
74-95-3	Dibromomethane	VOC	3,700	7,700	NA																								
75-71-8	Dichlorodifluoromethane	VOC	100,000	100,000	490,000													< 5.1	U	1.4	< 5.3	U	1.4	< 6.1	U	1.6	< 5.3	U	1.4
100-41-4	Ethylbenzene	VOC	46,000	46,000	7,800,000													< 5.1	U	0.93	< 5.3	U	0.96	< 6.1	U	1.1	< 5.3	U	0.96
98-82-8	Isopropylbenzene	VOC	780,000	780,000	NA													< 5.1	U	0.98	< 5.3	U	1	< 250	U	48	< 5.3	U	1
79-20-9	Methyl Acetate	VOC	690,000	1,900,000	78,000,000																								
75-09-2	Methylene Chloride	VOC	76	76	34,000													1.5	JS	0.84	1.1	JS	0.87	1.6	JS	1	1.2	JS	0.87
1634-04-4	Methyl Tert-Butyl Ether	VOC	280	280	110,000													< 10	U	1.4	< 11	U	1.5	< 12	U	1.7	< 11	U	1.5
91-20-3	Naphthalene	SVOC	25,000	25,000	6,000	5300		1100	< 2700	U	1100	110	J	110	< 240	U	100												
104-51-8	n-Butylbenzene	VOC	950,000	2,600,000	NA																								
103-65-1	n-Propylbenzene	VOC	290,000	290,000	NA																								
99-87-6	p-Isoproplytoluene	VOC	NA	NA	NA																								
135-98-8	sec-Butylbenzene	VOC	350,000	960,000	NA																								
100-42-5	Styrene	VOC	24,000	24,000	90,000													< 5.1	U	1.5	< 5.3	U	1.5	< 6.1	U	1.8	< 5.3	U	1.5
98-06-6	tert-Butylbenzene	VOC	270,000	740,000	NA																								
75-65-0	Tertiary Butyl Alcohol	VOC	NA	NA	1,400,000													< 100	U	100	< 110	U	110	< 120	U	120	< 110	U	110
127-18-4	Tetrachloroethene	VOC	430	430	2,000													< 5.1	U	1.1	< 5.3	U	1.1	< 6.1	U	1.3	< 5.3	U	1.1
108-88-3	Toluene	VOC	44,000	44,000	6,300,000													< 5.1	U	0.81	< 5.3	U	0.84	< 6.1	U	0.96	< 5.3	U	0.84
1330-20-7	Total Xylenes	VOC	990,000	990,000	12,000,000													< 5.1	U	5.1	< 5.3	U	5.3	< 6.1	U	6.1	< 5.3	U	5.3
156-60-5	trans-1,2-Dichloroethene	VOC	2,300	2,300	300,000													< 5.1	U	1	< 5.3	U	1.1	< 6.1	U	1.2	< 5.3	U	1.1
79-01-6	Trichloroethene	VOC	170	170	7,000													< 5.1	U	1.1	< 5.3	U	1.1	< 6.1	U	1.3	< 5.3	U	1.1
75-69-4	Trichlorofluoromethane	VOC	87,000	87,000	23,000,000													< 5.1	U	1.1	< 5.3	U	1.2	< 6.1	U	1.4	< 5.3	U	1.2
108-05-4	Vinyl Acetate	VOC	6,500	14,000	NA													< 51	U	51	< 53	U	53	< 61	U	61	< 53	U	53
75-01-4	Vinyl Chloride	VOC	30	27	700													< 5.1	U	1.7	< 5.3	U	1.7	< 6.1	U	2	< 5.3	U	1.7

Table 2. Soil Analysis

Location: 325 East 25th Street, New York, NY

CAS Number	Parameter Name	Parameter ID	PA Clean Fill Standards	PA WMGR096 Regulated Fill Limits	NJ RDCSRS	WC-1 FILL 1 COMP	Q	MDL	WC-2 FILL 1 COMP	Q	MDL	WC-3 FILL 1 COMP	Q	MDL	WC-3 NATIVE COMP	Q	MDL	WC-1 FILL GRAB	Q	MDL	WC-2 FILL GRAB	Q	MDL	WC-3 FILL GRAB	Q	MDL	WC-3 NATIVE GRAB	Q	MDL
	Sample ID	Depth				0-12'			0-8'			0-7'			7-12'															
	Date					9/26/2014			9/26/2014			9/26/2014			9/26/2014			9/26/2014			9/26/2014			9/26/2014			9/26/2014		
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
87-68-3	Hexachlorobutadiene	SVOC	1,200	1,200	6,000	< 2600	U	1300	< 2700	U	1400	< 260	U	130	< 240	U	130													
122-66-7	1,2- Diphenylhydrazine	SVOC	150	580	700	< 3700	U	3700	< 3800	U	3800	< 370	U	370	< 350	U	350													
120-82-1	1,2,4-Trichlorobenzene	VOC	27,000	27,000	73,000													< 5.1	U	0.6	< 5.3	U	0.63	< 250	U	30	< 5.3	U	0.63
95-94-3	1,2,4,5-Tetrachlorobenzene	SVOC	5,100	14,000	NA	< 2600	U	1300	< 2700	U	1300	< 260	U	130	< 240	U	120													
58-90-2	2,3,4,6-Tetrachlorophenol	SVOC	450,000	950,000	NA	< 2600	U	1700	< 2700	U	1800	< 260	U	170	< 240	U	160													
95-95-4	2,4,5-Trichlorophenol	SVOC	2,300,000	6,100,000	6,100,000	< 2600	U	2000	< 2700	U	2100	< 260	U	200	< 240	U	190													
88-06-2	2,4,6-Trichlorophenol	SVOC	3,100	8,900	19,000	< 1500	U	1200	< 1500	U	1200	< 150	U	120	< 140	U	110													
102-83-2	2,4-Dichlorophenol	SVOC	1,000	1,000	NA	< 1500	U	1300	< 1500	U	1300	< 150	U	130	< 140	U	120													
105-67-9	2,4-Dimethylphenol	SVOC	32,000	87,000	1,200,000	< 2600	U	910	< 2700	U	940	< 260	U	91	< 240	U	86													
51-28-5	2,4-Dinitrophenol	SVOC	210	460	120,000	< 2600	U	2600	< 2700	U	2700	< 260	U	260	< 240	U	240													
121-14-2	2,4-Dinitrotoluene	SVOC	50	200	700	< 1500	U	1400	< 1500	U	1500	< 150	U	140	< 140	U	140													
606-20-2	2,6-Dinitrotoluene	SVOC	1,100	3,000	700	< 1500	U	1200	< 1500	U	1200	< 150	U	120	< 140	U	110													
91-58-7	2-Chloronaphthalene	SVOC	6,200,000	18,000,000	NA	< 2600	U	1000	< 2700	U	1100	< 260	U	100	< 240	U	99													
95-57-8	2-Chlorophenol	SVOC	4,400	4,400	310,000	< 2600	U	1000	< 2700	U	1100	< 260	U	100	< 240	U	99													
91-57-6	2-Methylnaphthalene	SVOC	2,900,000	8,000,000	230,000	2600		1100	< 2700	U	1100	< 260	U	110	< 240	U	100													
95-48-7	2-Methylphenol	SVOC	64,000	180,000	310,000	< 2600	U	1700	< 2700	U	1800	< 260	U	170	< 240	U	160													
88-74-4	2-Nitroaniline	SVOC	38	100	39,000	< 18000	U	3700	< 19000	U	3800	< 1800	U	370	< 1700	U	350													
88-75-5	2-Nitrophenol	SVOC	5,900	17,000	NA	< 2600	U	2300	< 2700	U	2400	< 260	U	230	< 240	U	220													
91-94-1	3,3-Dichlorobenzidine	SVOC	8,300	32,000	1,000	< 1500	U	1700	< 1500	U	1800	< 150	U	170	< 140	U	160													
108-39-4	m-Cresol(s)	SVOC	36,000	100,000	NA																									
99-09-2	3-Nitroaniline	SVOC	33	91	NA	< 18000	U	7900	< 19000	U	8300	< 1800	U	800	< 1700	U	760													
534-52-1	4,6-Dinitro-2-methylphenol	SVOC	NA	NA	6,000	< 2600	U	3900	< 2700	U	4100	< 260	U	390	< 240	U	370													
59-50-7	4-Chloro-3-methylphenol	SVOC	37,000	110,000	NA	< 2600	U	1300	< 2700	U	1300	< 260	U	130	< 240	U	120													
106-47-8	4-Chloroaniline	SVOC	19,000	52,000	NA	< 7300	U	1700	< 7600	U	1800	< 730	U	170	< 700	U	160													
106-44-5	4-Methylphenol	SVOC	4,200	12,000	31,000																									
100-01-6	4-Nitroaniline	SVOC	31	86	NA	< 18000	U	1200	< 19000	U	1300	< 1800	U	120	< 1700	U	120													
100-02-7	4-Nitrophenol	SVOC	4,100	4,100	NA	< 18000	U	1700	< 19000	U	1700	< 1800	U	170	< 1700	U	160													
83-32-9	Acenaphthene	SVOC	2,700,000	4,700,000	3,400,000	3200		1100	< 2700	U	1200	130	J	110	< 240	U	110													
208-96-8	Acenaphthylene	SVOC	2,500,000	6,900,000	NA	3200		1000	< 1500	U	1100	330		100	< 140	U	97													
98-86-2	Acetophenone	SVOC	200,000	540,000	2,000	< 2600	U	1100	< 2700	U	1200	< 260	U	110	< 240	U	110													
62-53-3	Aniline	SVOC	160	340	NA																									
120-12-7	Anthracene	SVOC	350,000	350,000	17,000,000	8000		1200	3900		1200	530		120	< 240	U	110													
1912-24-9	Atrazine	SVOC	130	130	210,000	< 1500	U	1600	< 1500	U	1700	< 150	U	160	< 140	U	160													
100-52-7	Benzaldehyde	SVOC	NA	NA	6,100,000	< 2600	U	1100	< 2700	U	1100	< 260	U	110	< 240	U	100													
56-55-3	Benzo-a-Anthracene	SVOC	25,000	110,000	600	21000		1200	14000		1300	3500		120	< 240	U	120													
50-32-8	Benzo-a-Pyrene	SVOC	*2,500*	**11,000**	200	***19000***		1200	*11000*		1200	*3400*		120	< 140	U	110													
205-99-2	Benzo-b-Fluoranthene	SVOC	25,000	110,000	600	25000		1200	13000		1300	4700		130	< 240	U	120													
207-08-9	Benzo-k-Fluoranthene	SVOC	250,000	610,000	6,000	7400		1200	4500		1300	1100		120	< 240	U	120													
191-24-2	Benzo-g,h,i-Perylene	SVOC	180,000	180,000	380,000,000	9200		1200	6400		1200	1500		120	< 240	U	110													
65-85-0	Benzoic Acid	SVOC	2,900,000	7,800,000	NA																									
100-51-6	Benzyl Alcohol	SVOC	400,000	1,100,000	NA	< 3700	U	3700	< 3800	U	3800	< 370	U	370	< 350	U	350													
111-44-4	Bis(2-Chloroethyl)ether	SVOC	3.9	17	400	< 1500	U	990	< 1500	U	1000	< 150	U	99	< 140	U	94													
108-60-1	Bis(2-Chloroisopropyl)ether	SVOC	8,000	8,000	23,000	< 2600	U	1000	< 2700	U	1100	< 260	U	100	< 240	U	97													
117-81-7	Bis(2-Ethylhexyl)Phthalate	SVOC	130,000	130,000	35,000	< 2600	U	1100	< 2700	U	1100	< 260	U	110	< 240	U	100													
85-68-7	Butylbenzylphthalate	SVOC	10,000,000	10,000,000	1,200,000	< 2600	U	940	< 2700	U	980	< 260	U	95	< 240	U	90													
105-60-2	Caprolactam	SVOC	NA	NA	31,000,000	< 2600	U	6500	< 2700	U	6800	< 260	U	660	< 240	U	620													
86-74-8	Carbazole	SVOC	21,000	83,000	24,000	3700	J	2800	< 19000	U	2900	280	J	280	< 1700	U	260													
218-01-9	Chrysene	SVOC	230,000	230,000	62,000	19000		1200	12000		1300	3400		120	< 240	U	120													
75-99-0	Dalapon	SVOC	5,300	5,300	NA	< 46	U	46	< 48	U	48	< 46	U	46	< 45	U	45													
132-64-9	Dibenzofuran	SVOC	NA	NA	NA	3600		1100	< 2700	U	1100	110	J	110	< 240	U	100													
53-70-3	Dibenzo-a,h-Anthracene	SVOC	2,500	11,000	200	< 1500	U	1200	< 1500	U	1200	< 150	U	120	< 140	U	110													
84-66-2	Diethyl Phthalate	SVOC	160,000	160,000	49,000,000	< 2600	U	1200	< 2700	U	1200	< 260	U	120	< 240	U	110													
131-11-3	Dimethyl Phthalate	SVOC	NA	NA	NA	< 2600	U	1100	< 2700	U	1200	< 260	U	110	< 240	U	110													
84-74-2	Di-n-Butyl Phthalate	SVOC	1,500,000	4,100,000	6,100,000	< 2600	U	970	< 2700	U	1000	< 260	U	98	< 240	U	93													
25321-14-6	Dinitrotoluene(2,4-/2,6-)	SVOC	NA	NA	NA																									
117-84-0	Di-n-Octyl Phthalate	SVOC	4,400,000	10,000,000	2,400,000	< 2600	U	940	< 2700	U	980	< 260	U	95	< 240	U	90													
206-44-0	Fluoranthene	SVOC	3,200,000	3,200,000	2,300,000	47000		1200	29000		1200	4800		120	< 240	U	110													
86-73-7	Fluorene	SVOC	3,000,000	3,800,000	2,300,000	4500		1200	< 2700	U	1300	130	J	120	< 240	U	110													
118-74-1	Hexachlorobenzene	SVOC	960	960	300	< 1500	U	1100	< 1500	U	1100	< 150	U	110	< 140	U	100													
77-47-4	Hexachlorocyclopentadiene	SVOC	91,000	91,000	45,000	< 2600	U	1100	< 2700	U	1200	< 260	U	110	< 240	U	110													
67-72-1	Hexachloroethane	SVOC	560	560	35,000	< 1500	U	1100	< 1500	U	1100	< 150	U	110	< 140	U	100													
193-39-5	Indeno(1,2,3-cd)Pyrene	SVOC	25,000	110,000	600	8500		1200	5600		1300	1300		120	< 240	U	120													
78-59-1	Isophorone	SVOC	1,900	1,900	510,000	< 1500	U	1000	< 1500	U	1100	< 150	U	100	< 140	U	97													
98-95-3	Nitrobenzene	SVOC	790	2200	31,000	< 1500	U	1300	< 1500	U	1300	< 150	U	130	< 140	U	120													
62-75-9	N-Nitrosodimethylamine	SVOC	0.41	0.17	700	< 2600	U	1000	< 2700	U	1100	< 260	U	100	< 240	U	98													
621-64-7	N-Nitroso-di-n-Propylamine	SVOC	1.3	5.1	200	< 1500	U	1200	< 1500	U	1200	< 150	U	120	< 140	U	110													
86-30-6	N-Nitrosodiphenylamine	SVOC	20,000	83,000	99,000	< 1500	U	1400	< 1500	U	1500	< 150	U	140	< 140	U	130													
87-86-5	Pentachlorophenol	SVOC	5,000	5,000	3,000	< 2600	U	1400	< 2700	U	1400	< 260	U	140	< 240	U	130													
85-01-8	Phenanthrene	SVOC	10,000,000	10,000,000	NA	47000		1000	18000		1100	2700		100	< 140	U	100													
108-95-2	Phenol	SVOC	66,000	66,000	18000000	< 2600	U	1200	< 2700	U	1200	< 260	U	120	< 240	U	110													
129-00-0	Pyrene	SVOC	2,200,000	2,200,000	1,700,000	39000		1300	26000		1300	5000		130	< 240	U	120													

Table 2. Soil Analysis

Location: 325 East 25th Street, New York, NY

CAS Number	Parameter Name	Parameter ID	PA Clean Fill Standards	PA WMGR096 Regulated Fill Limits	NJ RDCSRS	WC-1 FILL 1 COMP	Q	MDL	WC-2 FILL 1 COMP	Q	MDL	WC-3 FILL 1 COMP	Q	MDL	WC-3 NATIVE COMP	Q	MDL	WC-1 FILL GRAB	Q	MDL	WC-2 FILL GRAB	Q	MDL	WC-3 FILL GRAB	Q	MDL	WC-3 NATIVE GRAB	Q	MDL
	Sample ID	Depth				0-12'			0-8'			0-7'			7-12'															
	Date					9/26/2014			9/26/2014			9/26/2014			9/26/2014			9/26/2014			9/26/2014			9/26/2014			9/26/2014		
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
93-76-5	2,4,5-T	HERBICIDE	1,500	1,500	NA	< 46	U	46	< 48	U	48	< 46	U	46	< 45	U	45												
93-72-1	2,4,5-TP Acid	PESTICIDE	22,000	22,000	NA	< 46	U	46	< 48	U	48	< 46	U	46	< 45	U	45												
94-75-7	2,4-D	HERBICIDE	18,000	18,000	NA	< 46	U	46	< 48	U	48	< 46	U	46	< 45	U	45												
72-54-8	4,4-DDD	PESTICIDE	6,800	30,000	3,000	< 30	U	30	< 2.7	U	2.7	< 6.0	U	6	< 2.6	U	2.6												
72-55-9	4,4-DDE	PESTICIDE	41,000	170,000	2,000	< 13	U	13	40		2.7	75		2.6	< 2.6	U	2.6												
50-29-3	4,4-DDT	PESTICIDE	53,000	230,000	2,000	< 50	U	50	42		2.7	290		13	< 2.6	U	2.6												
309-00-2	Aldrin	PESTICIDE	100	440	40	< 40	U	40	< 1.9	U	1.9	< 1.8	U	1.8	< 1.8	U	1.8												
319-84-6	alpha-BHC	PESTICIDE	46	190	100	< 18	U	18	< 3.7	U	3.7	< 3.6	U	3.6	< 3.6	U	3.6												
5103-71-9	Alpha Chlordane	PESTICIDE	NA	NA	NA	< 25	U	25	27		3.7	41		3.6	< 3.6	U	3.6												
12674-11-2	Aroclor 1016	PCB	15,000	200,000	NA	< 36	U	36	< 37	U	37	< 36	U	36	< 36	U	36												
1104-28-2	Aroclor 1221	PCB	630	2500	NA	< 36	U	36	< 37	U	37	< 36	U	36	< 36	U	36												
11141-16-5	Aroclor 1232	PCB	500	2000	NA	< 36	U	36	< 37	U	37	< 36	U	36	< 36	U	36												
53469-21-9	Aroclor 1242	PCB	16,000	62,000	NA	< 36	U	36	< 37	U	37	< 36	U	36	< 36	U	36												
12672-29-6	Aroclor 1248	PCB	9,900	44,000	NA	< 36	U	36	< 37	U	37	< 36	U	36	< 36	U	36												
11097-69-1	Aroclor 1254	PCB	4,400	44,000	NA	< 36	U	36	< 37	U	37	< 36	U	36	< 36	U	36												
11096-82-5	Aroclor 1260	PCB	30,000	130,000	NA	< 36	U	36	< 37	U	37	< 36	U	36	< 36	U	36												
11096-82-5	Aroclor 1262	PCB	NA	NA	NA																								
37324-23-5	Aroclor 1268	PCB	NA	NA	NA																								
319-85-7	beta-BHC	PESTICIDE	220	820	400	< 18	U	18	< 3.7	U	3.7	< 3.6	U	3.6	< 3.6	U	3.6												
57-74-9	Chlordane	PESTICIDE	49,000	49,000	200	< 180	U	180	150		37	290		36	< 36	U	36												
319-86-8	delta-BHC	PESTICIDE	11,000	30,000	NA	< 18	U	18	26		3.7	< 3.6	U	3.6	< 3.6	U	3.6												
1918-00-9	Dicamba	HERBICIDE	NA	NA	NA	< 91	U	91	< 95	U	95	< 92	U	92	< 89	U	89												
60-57-1	Dieldrin	PESTICIDE	110	440	40	< 8.9	U	8.9	< 8.0	U	8	< 10	U	10	< 1.8	U	1.8												
115-29-7	Endosulfan	PESTICIDE	30,000	61,000	470,000																								
959-98-8	Endosulfan I	PESTICIDE	110,000	260,000	NA	< 25	U	25	< 3.7	U	3.7	< 3.6	U	3.6	< 3.6	U	3.6												
33213-65-9	Endosulfan II	PESTICIDE	130,000	260,000	NA	< 18	U	18	< 3.7	U	3.7	< 3.6	U	3.6	< 3.6	U	3.6												
1031-07-8	Endosulfan Sulfate	PESTICIDE	70,000	70,000	470,000	< 18	U	18	< 6.0	U	6	< 3.6	U	3.6	< 3.6	U	3.6												
72-20-8	Endrin	PESTICIDE	5,500	5,500	23,000	< 18	U	18	< 3.7	U	3.7	< 3.6	U	3.6	< 3.6	U	3.6												
58-89-9	gamma-BHC	PESTICIDE	72	72	400	< 18	U	18	< 3.7	U	3.7	< 3.6	U	3.6	< 3.6	U	3.6												
5103-74-2	Gamma Chlordane	PESTICIDE	NA	NA	NA	< 18	U	18	22		3.7	38		3.6	< 3.6	U	3.6												
76-44-8	Heptachlor	PESTICIDE	680	680	100	< 18	U	18	< 3.7	U	3.7	< 3.6	U	3.6	< 3.6	U	3.6												
1024-57-3	Heptachlor Epoxide	PESTICIDE	1,100	1,100	70	< 40	U	40	< 3.7	U	3.7	< 3.6	U	3.6	< 1.8	U	1.8												
72-43-5	Methoxychlor	PESTICIDE	630,000	630,000	390,000	< 36	U	36	< 7.4	U	7.4	< 7.2	U	7.2	< 7.1	U	7.1												
56-38-2	Parathion	PESTICIDE	130,000	360,000	NA	< 330	U		< 330	U		< 330	U		< 330	U												
1336-36-3	Polychlorinated Biphenyls	PESTICIDE	NA	NA	200																								
8001-35-2	Toxaphene	PESTICIDE	1,200	1,200	600	< 890	U	890	< 190	U	190	< 180	U	180	< 180	U	180												
	Unit		*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
7429-90-5	Aluminum, Al	METAL	NA	190000	78,000	10300		6.8	11600		7.1	5950		7.4	7480		7.7												
7440-36-0	Antimony, Sb	METAL	27	27	31	< 1.7	U	1.7	< 1.8	U	1.8	< 1.9	U	1.9	< 1.9	U	1.9												
7440-38-2	Arsenic, As	METAL	20	53	19	4.9	*	0.68	12.5	*	0.71	4.5	*	0.74	1.2	*	0.77												
7440-39-3	Barium, Ba	METAL	8,200	8,200	16,000	288		0.34	175		0.35	570		0.37	60.6		0.38												
7440-41-7	Beryllium, Be	METAL	320	320	16	0.5		0.14	0.54		0.14	0.35		0.15	0.41		0.15												
7440-43-9	Cadmium, Cd	METAL	38	38	78	0.65	*	0.14	0.29	B	0.14	0.55	*	0.15	< 0.38	U*	0.15												
7440-47-3	Chromium, Cr	METAL	NA	NA	NA	20.6		0.34	24.6		0.35	14.5		0.37	17.1		0.38												
18540-29-9	Chromium, hexavalent	METAL	94	190	240; ACD	< 0.44	U	0.44	< 0.44	U	0.44	< 0.44	U	0.44	< 0.43	U	0.43												
16065-83-1	Chromium, trivalent	METAL	190,000	190,000	120,000	20.6			24.6			14.5			17.1														
7440-48-4	Cobalt, Co	METAL	8.1	22	NA	10.3		0.34	7.58		0.35	4.99		0.37	6.46		0.38												
7440-50-8	Copper, Cu	METAL	8,200	36,000	NA	65.8	*	0.34	41.9	*	0.35	18.5	*	0.37	16.9	*	0.38												
57-12-5	Cyanide	METAL	200	200 (free)	1,600	0.659		0.27	0.269	B	0.26	0.6		0.28	< 0.49	U	0.24												
7439-89-6	Iron, Fe	METAL	NA	190000	NA	26600		34	17500		35	13700		37	12700		38												
7439-92-1	Lead, Pb	METAL	450	450	400	435	*	3.4	193	*	3.5	438	*	3.7	6.5	*	0.38												
7439-96-5	Manganese, Mn	METAL	31,000	190,000	11,000	431	N	3.4	314	N	3.5	397	N	3.7	108	N	0.38												
7439-97-6	Mercury, Hg	METAL	10	10	23	0.49	N	0.04	0.23	N	0.04	0.39	N	0.04	< 0.06	UN	0.04												
7440-02-0	Nickel, Ni	METAL	650	650	1,600	21.6		0.34	13		0.35	14.5		0.37	13.2		0.38												
7782-49-2	Selenium, Se	METAL	26	26	390	< 1.4	U	1.2	< 1.4	U*	1.2	< 1.5	U	1.3	1.3	B	1.3												
7440-22-4	Silver, Ag	METAL	84	84	390	< 0.34	U	0.34	< 0.35	U	0.35	< 0.37	U	0.37	< 0.38	U	0.38												
7440-28-0	Thallium, Ti	METAL	14	14	5	< 1.4	U	1.4	< 1.4	U	1.4	< 1.5	U	1.5	< 1.5	U	1.5												
7440-62-2	Vanadium, V	METAL	1,500	72,000	78	50.2		0.34	33.2		0.35	22.5		0.37	20.3		0.38												
7440-66-6	Zinc, Zn	METAL	12,000	12,000	23,000	282	N	3.4	175	N	3.5	388	N	3.7	33	N	0.38												

Notes: Shaded values indicate an exceedance of NJ RDCSRS, Blanchard Acceptance Criteria, PA Clean Fill Standard and PA WMGR096 Regulated Fill Limits values.

Notes ug/kg = micrograms per kilogram (ppb)
mg/kg = milligrams per kilogram (ppm)

Table 3. TCLP Analysis

Location: 325 East 25th Street, New York, NY

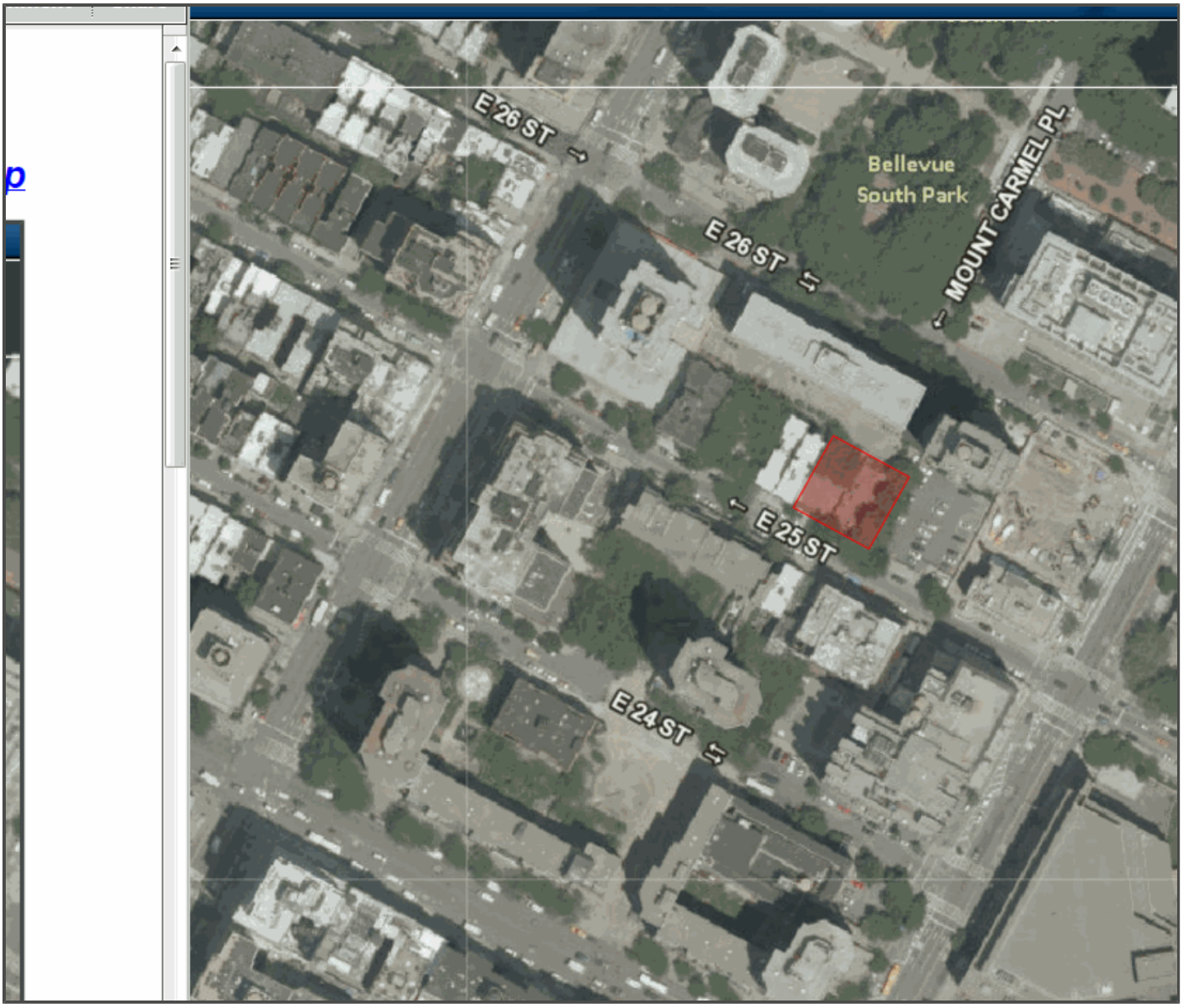
CAS Number	Parameter Name	Parameter ID	TCLP Hazardous Waste Regulatory Levels	WC-1 FILL 1 COMP
	Sample ID	Depth		0-12
	Unit		*mg/L*	*mg/L*
7440-38-2	Arsenic, As	METAL	5	< 0.10
7440-39-3	Barium, Ba	METAL	100	0.87
7440-43-9	Cadmium, Cd	METAL	1	0.01
7440-47-3	Chromium, Cr	METAL	5	< 0.10
7439-92-1	Lead, Pb	METAL	5	0.2
7439-97-6	Mercury, Hg	METAL	0.2	< 0.0002
7782-49-2	Selenium, Se	METAL	1	< 0.10
7440-22-4	Silver, Ag	METAL	5	< 0.10

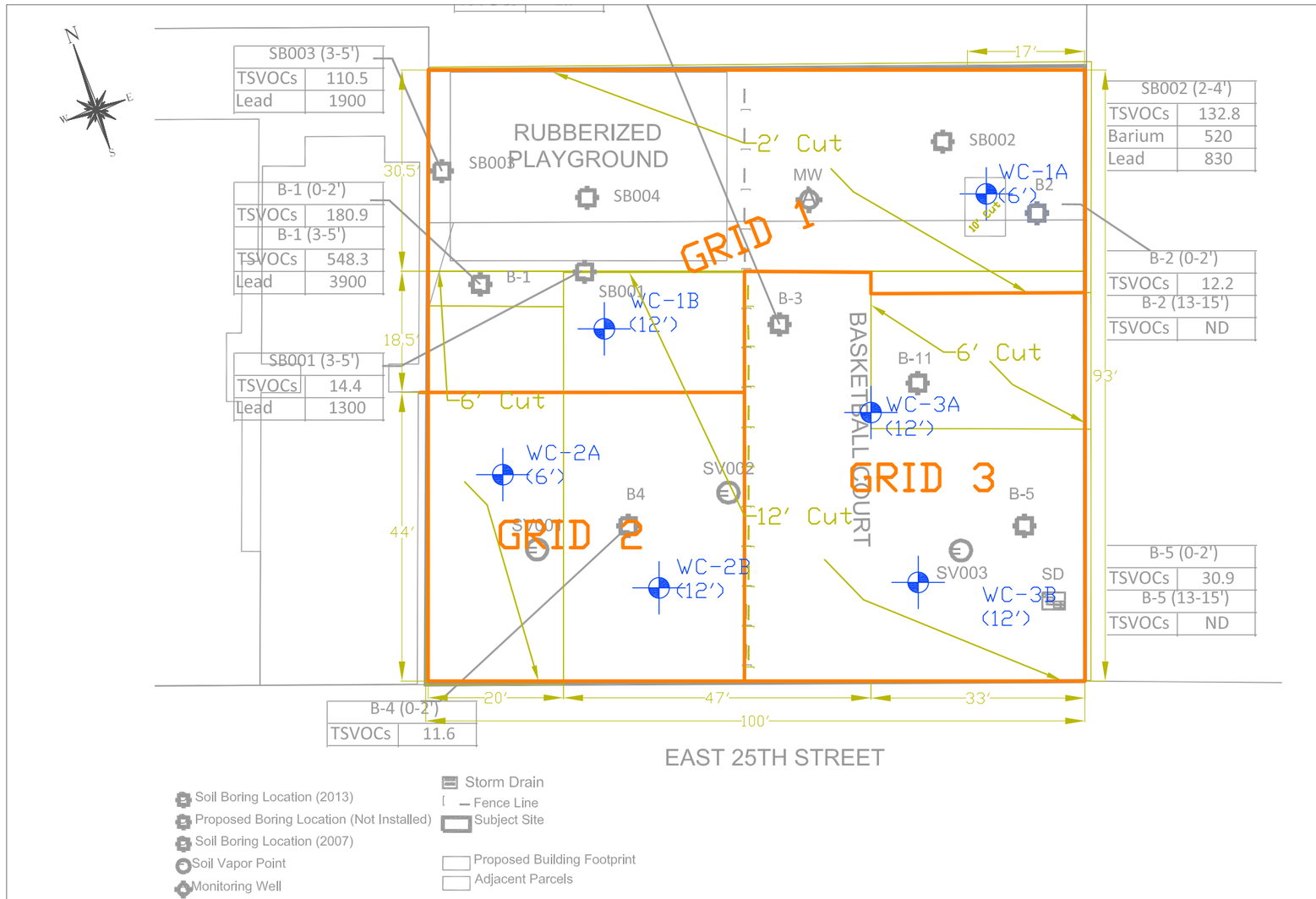
Notes ug/L = micrograms per liter

mg/L = milligrams per liter

FIGURES

Figure 1. Site Map 325 E 25th St, NYC [NYCityMap]





Legend

- Proposed Soil Boring Location (Proposed Depth Boring) — (6')
- Waste Characterization Grid
- 10' Cut — Proposed Excavation Depth

TITLE: Waste Characterization Boring Location Map

DRAWN BY:	DF
CHECKED BY:	DB
DATE:	10/2/2014
SCALE:	

PROJECT # 7542

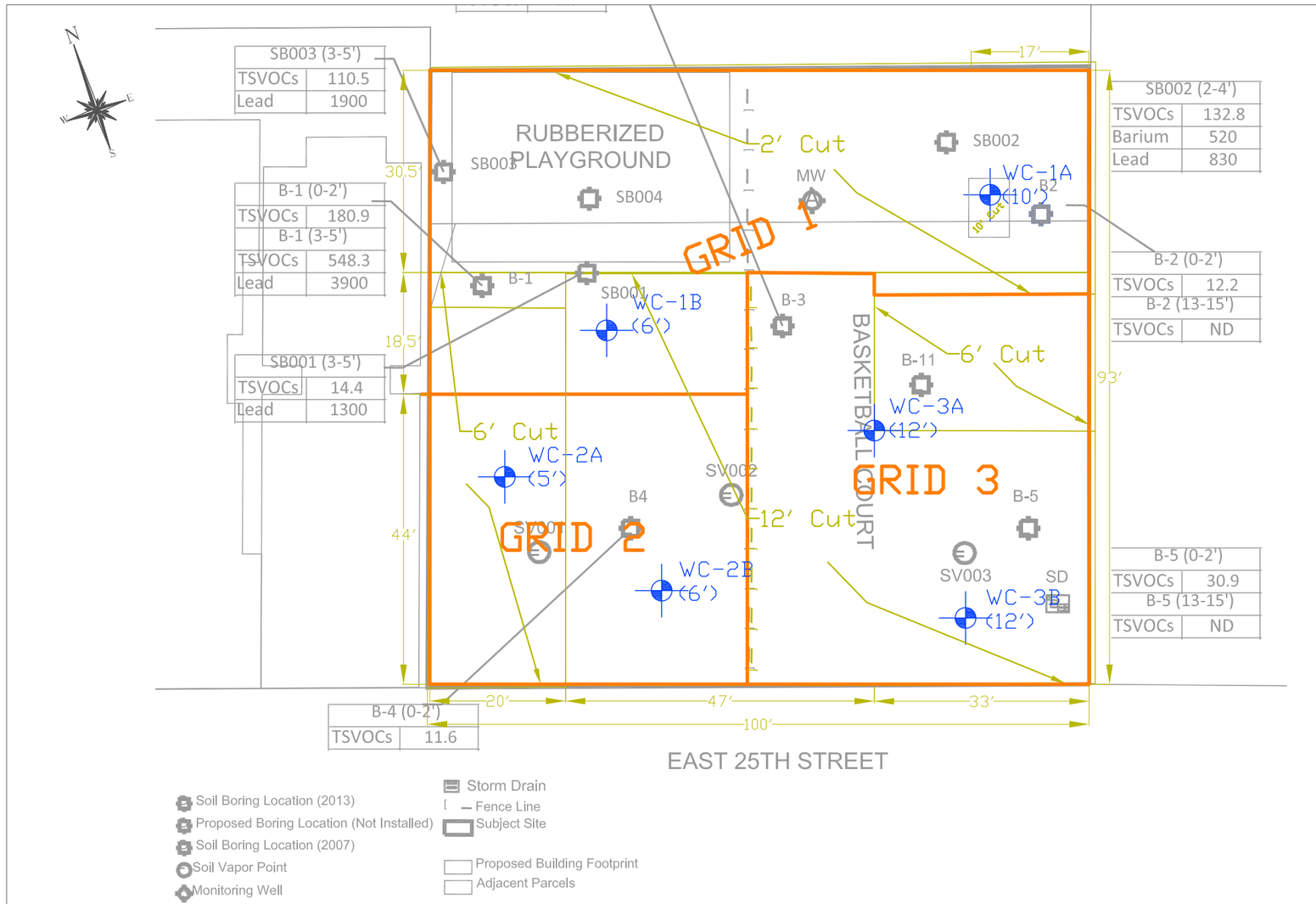
PLATE # 01

325 East 25th Street,
New York, NY
(Block 931, Lot 17)

IMPACT ENVIRONMENTAL
170 KEYLAND COURT
BOHEMIA, NEW YORK 11716
TEL (631) 269-8800 FAX (631) 269-1599

EXHIBITS

Exhibit 1: Waste Characterization Sampling Plan



Sampling Protocol

The proposed development will involve the excavation of the north one third of the site to 2 feet below surface (fbs), southwestern portion and center east portion of the site to 6 fbs, and the southern portion to 12 fbs. A total of 4 soil sample sets is proposed to be collected to represent approximately 2,230 cubic yards of surplus soil to be excavated. The designated sampling frequency is approximately one per 550 cubic yards.

The site is split into 3 waste characterization grids to conform the excavation plan, subsurface geology condition and chemical quality of the surplus material. In each of the grid, two soil borings will be advanced to the corresponding proposed excavation depth or the surface of the bedrock. The proposed boring depths is indicated on the Sampling Plan map. GeoProbe direct push drilling rig will be utilized for boring advancement. The specific boring locations might be changed based on accessibility and field conditions.

In Grid 1 and Grid 2, one sample set will be collected throughout the borings from 0 to the corresponding excavation depth or the bedrock surface. In Grid 3, two sample sets will be collected within depth interval of 0 to 8 fbs and 8 to 12 fbs, respectively. Specifically for the pit excavation area in the northeastern portion of Grid 1, native soil ranges from approximately 8 to 12 fbs will be mixed with the native soil in the two borings in Grid 3 to make one composite sample for characterizing the native material. The corresponding sample IDs are identified in the Waste Characterization Sample Identification Table.

Each of the sample set will consist of one five-piont composite sample and one discrete sample. Each of the discrete sample shall be screened with a portable photo-ionization detector (PID) meter. The discrete sample that yields the highest PID reading is to be containerized by EnCore 5-gram samplers and analyzed for Volatile Organic Compounds (VOCs) by USEPA Method 8260. A portion of this grab sample will be mixed with the balance of the discrete samples to create the composite sample. The analytes of the composite sample is indicated in the Waste Characterization Sample Identification Table.

Waste Characterization Samples Identification Table

Grid	Volume (CYD)	Depth (fbg)	Material Characterization	Boring Location	Sample ID		Analysis
					Composite ID	Grab ID	
1	431	(0-2 or 6)	Fill	WC-1 A, WC-1B	WC-1 Fill	WC-1 Grab	Package B**
2	500	(0-6)	Fill	WC-2A, WC-2B	WC-2 Fill	WC-2 Grab	Package A*
1 & 2	TBD	Below 6	Bedrock	N/A	N/A		N/A
3	926	(0-8)	Fill	WC-3A, WC-3B	WC-3 Fill	WC-3 Fill Grab	Package A*
1&3	373	(8-12)	Native Silt	WC-1A, WC-3A, WC-3B	WC-1&3 Native	WC-1&3 Native Grab	Package A*
Total	2,230						

Note: *Package A includes: Volatiles (8260 C), Semi Volatiles (8270 D), TAL Metals (6010C), Pesticides (8081B), PCB's (8082 A) and Herbicides (8151A).
**Package B is a package A PLUS a TCLP RCRA 8 (1311/6010C) metals and TPH (8015C).

Legend

- Proposed Soil Boring Location (Proposed Depth Boring) — (6')
- Waste Characterization Grid
- 10' Cut — Proposed Excavation Depth

TITLE: Waste Classification Sampling Plan		DRAWN BY:	DF	PROJECT #	7542
		CHECKED BY:	DB		
		DATE:	9/24/2014	PLATE #	01
		SCALE:			
325 East 25th Street, New York, NY (Block 931, Lot 17)					

IMPACT ENVIRONMENTAL
170 KEYLAND COURT
BOHEMIA, NEW YORK 11716
TEL (631) 269-8800 FAX (631) 269-1599

Exhibit 2: Boring Logs

SOIL BORING LOG

Client: EWMI, Inc.	Boring No.: WC-1A	Impact Environmental 170 Keyland Court Bohemia, NY 11716 (631) 269-8800
Project # : 7542	Sheet 1 of 1	
Site Location: 325 E 25th Street Manhattan	Date: 9/26/2014	
Drilling Co: AARCO Environmental Service Corp Method: Geoprobe 7822 DT Personnel: Daybi Pachecos Total Depth: 6' Depth to Water: N/A	*FORMAT FOR CHARACTERIZATION* **Ex.1:** brown, loose F SILTY-SAND, with some C Gravel **Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
1	26.2			0 - 5 ft	Dry	48/60	6": Asphalt, 1st 1.5': Brown loose SAND, little red Brick, little concrete fragments, 2nd 1.5': Tan F SAND, trace coal. 3rd 6": Brown M/F SILTY SAND, some 1" crushed stone.	Collected samples from 0-6 to mix sample WC-1 Fill Comp
2	27.5							
3	16.8							
4	13.3							
5	39.4		WC-1 Fill Grab					
6	77.5			5- 6 ft	Dry		Red Bricks.	
7							E.O.B	
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client: EWMI, Inc.	Boring No.: WC-1B	Impact Environmental 170 Keyland Court Bohemia, NY 11716 (631) 269-8800
Project # : 7542	Sheet 1 of 1	
Site Location: 325 E 25th Street Manhattan	Date: 9/26/2014	
Drilling Co: AARCO Environmental Service Corp Method: Geoprobe 7822 DT Personnel: Daybi Pachecos Total Depth: 12' Depth to Water: N/A	*FORMAT FOR CHARACTERIZATION* **Ex.1:** brown, loose F SILTY-SAND, with some C Gravel **Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
	7.1			0 - 5 ft	Dry	36/60	3" Asphalt	8:15 AM
1	7.7						Yellow/Brown F SAND with M Gravel	Collected samples from 0-12 to mix sample WC-1 Fill Comp
2	33.7						Brown F/M SAND, little RCA, little crushed brick, little M Gravel and trace asphalt.	
3	44.7							
4	50.3							
5	53.7			5 - 10 ft	Dry		1st 3': RCA and red Brick 2nd 2': Brown M/F SAND, trace red Brick.	
6	49.2					24/60		
7	42.7							
8	33.5							
9	27.1							
10	21			10 -12 ft	Dry	24/24	Brown M/F SAND, trace red brick, trace ash, trace organic matter; slight odor.	
11	16.6							
12								EOB at 12'
13								
14								
15								
16								
17								
18								
19								
20								

TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client: EWMI, Inc.	Boring No.: WC-2A	Impact Environmental 170 Keyland Court Bohemia, NY 11716 (631) 269-8800
Project # : 7542	Sheet 1 of 1	
Site Location: 325 E 25th Street Manhattan	Date: 9/26/2014	
Drilling Co: AARCO Environmental Service Corp Method: Geoprobe 7822 DT Personnel: Daybi Pachecos Total Depth: 6' Depth to Water: N/A	*FORMAT FOR CHARACTERIZATION* **Ex.1:** brown, loose F SILTY-SAND, with some C Gravel **Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
	10.1			0 - 5 ft	Dry	36/60	8" Asphalt	8:46 AM
1	36.9						1st 1': Brown M/F SAND, some brick, litte coal, litte Gravel.	Collected samples from 0-6 to mix sample WC-2 Fill Comp
2	37.8						2nd 2': Brown/Tan M/F SAND, some brick, litte Gravel, trace coal frags and plastic.	
3	64.7							
4	63.5		WC-2 Fill Grab					
5	16.8			5- 6 ft	Dry	12 / 12'	Brown/Tan M/F SILTY SAND.	
6								EOB at 6'
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client: EWMI, Inc.	Boring No.: WC-2B	Impact Environmental 170 Keyland Court Bohemia, NY 11716 (631) 269-8800
Project # : 7542	Sheet 1 of 1	
Site Location: 325 E 25th Street Manhattan	Date: 9/26/2014	
Drilling Co: AARCO Environmental Service Corp Method: Geoprobe 7822 DT Personnel: Daybi Pachecos Total Depth: 12' Depth to Water: N/A	*FORMAT FOR CHARACTERIZATION* **Ex.1:** brown, loose F SILTY-SAND, with some C Gravel **Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
	1.7			0 - 5 ft	Dry	24/60	6" Concrete 4" Ashpalt 1st 2': Yellow M/F SAND, little RCA, trace brick frags.	7:30 AM Collected samples from 0-12 to mix sample WC-2 Fill Comp
1	4.2							
2	16.7							
3	83.7							
4	10.4							
5	12.6			5 - 10 ft	Dry	24/60	1st 2': Brown F/M SAND, little F Gravel, little red bricks.	
6	18.7							
7	31.4							
8	33.2							
9	N/A							
10	31			10 -12 ft	Dry	12/24'	Brown M/F SAND, little F Gravel, little red bricks.	
11								
12								EOB at 12'
13								
14								
15								
16								
17								
18								
19								
20								

TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client: EWMI, Inc.		Boring No.: WC-3A	Impact Environmental 170 Keyland Court Bohemia, NY 11716 (631) 269-8800
Project # : 7542		Sheet 1 of 1	
Site Location: 325 E 25th Street Manhattan		Date: 9/26/2014	
Drilling Co: AARCO Environmental Service Corp		*FORMAT FOR CHARACTERIZATION*	
Method: Geoprobe 7822 DT		**Ex.1:** brown, loose F SILTY-SAND, with some C Gravel	
Personnel: Daybi Pachecos		**Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Depth: 6'	Depth to Water: N/A		

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
	6.7			0 - 5 ft	Dry	30/60	6" Asphalt 6" Crushed Concrete 2nd 2': Brown F/M SAND, Some Brick, Trace crushed 1' marble.	10:05 AM Collected samples from 0-11 to mix sample WC-3 Fill Comp
1	4.4							
2	4.5							
3								
4	1.5							
5	7.4			5 - 10 ft	Dry	28/60	1st 1': Red Brick, Some Brown M/F SAND	
6	2							
7							2nd 1.5': Brown M/F SAND, Trace Coal,	
8								
9								
10	10.9			10 -12 ft	Dry	16/24	1st 6": Brown M/F SAND, Some Brick. 2nd 2": Coal frags.	
11	17		WC-3 Fill Grab				3rd 8": Crushed Stone, Bedrock.	
12								EOB at 12'
13								
14								
15								
16								
17								
18								
19								
20								

TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client: EWMI, Inc.		Boring No.: WC-3B	Impact Environmental 170 Keyland Court Bohemia, NY 11716 (631) 269-8800
Project # : 7542		Sheet 1 of 1	
Site Location: 325 E 25th Street Manhattan		Date: 9/26/2014	
Drilling Co: AARCO Environmental Service Corp		*FORMAT FOR CHARACTERIZATION*	
Method: Geoprobe 7822 DT		**Ex.1:** brown, loose F SILTY-SAND, with some C Gravel	
Personnel: Daybi Pachecos		**Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Depth: 12'	Depth to Water: N/A		

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
	0			0' - 5'	Dry	30/60	6" Asphalt.	10:35 AM
1	0.9						1st 1': Yellow/Brown F SAND, some crushed stone.	Collected samples from 0-8 to mix sample WC-3 Fill Comp.
2	1.3						2nd 1': Red Brick and Tan/Brown F SAND.	
3	0.6						3rd 1': M/F SAND, Little block, trace Roots.	
4	0.8							
5	0.8			0' - 5'	Dry	30/60	1st 1.5': Brown M/F SAND, Little red Brick.	
6	2						2nd 1.5': Brown/Tan F SILTY-SAND, some Crushed Stone.	Collected samples from 8-12 to mix sample WC-3 Native Comp.
7	7.3							
8	7.9		WC-3 Native Grab					
9	3.4							
10	0			10' - 12'	Dry		1st 1.5': Brown/Tan M-F SILTY-SAND, little crushed stone, little F Gravel.	
11	0						2nd 6": Crushed Stone/Bedrock.	
12								EOB at 12'
13								
14								
15								
16								
17								
18								
19								
20								

TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

Exhibit 3: Site Photographs


Fill material in Boring WC-3B (0-5)
Native silty-sand in Boring WC-3B (8-10)
Native silty-sand in Boring WC-3B (10-12)

Exhibit 4: Original Laboratory Report

PHOENIX
Environmental Laboratories, Inc.

Friday, October 03, 2014

Attn: Mr Jeff Bogoian
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Project ID: 325 E 25TH ST
Sample ID#s: BH20207 - BH20214

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

SDG Comments

October 03, 2014

SDG I.D.: GBH20207

BH20211 - The client provided an ENCORE sample. Phoenix prepared sample per method 5035.

BH20212 - The client provided an ENCORE sample. Phoenix prepared sample per method 5035.

BH20213 - The client provided an ENCORE sample. Phoenix prepared sample per method 5035.

BH20214 - The client provided an ENCORE sample. Phoenix prepared sample per method 5035.

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

October 03, 2014

FOR: Attn: Mr Jeff Bogoian
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		09/26/14	8:30
Location Code:	IMPACT	Received by:	SW	09/26/14	18:53
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH20207
Phoenix ID: BH20207

Project ID: 325 E 25TH ST
Client ID: WC-1 FILL 1 COMP

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.34		0.34	0.34	mg/Kg	09/29/14	LK	SW6010	
Aluminum	10300		34	6.8	mg/Kg	09/29/14	LK	SW6010	
Arsenic	4.9	*	0.7	0.68	mg/Kg	09/29/14	LK	SW6010	
Barium	288		0.7	0.34	mg/Kg	09/29/14	LK	SW6010	
Beryllium	0.50		0.27	0.14	mg/Kg	09/29/14	LK	SW6010	
Calcium	25000	*	34	31	mg/Kg	09/29/14	LK	SW6010	
Cadmium	0.65	*	0.34	0.14	mg/Kg	09/29/14	LK	SW6010	
Cobalt	10.3		0.34	0.34	mg/Kg	09/29/14	LK	SW6010	
Chromium	20.6		0.34	0.34	mg/Kg	09/29/14	LK	SW6010	
Copper	65.8	*	0.34	0.34	mg/kg	09/29/14	LK	SW6010	
Iron	26600		34	34	mg/Kg	09/29/14	LK	SW6010	
Mercury	0.49	N	0.06	0.04	mg/Kg	09/29/14	RS	SW-7471	
Potassium	1820	N	68	26	mg/Kg	09/29/14	LK	SW6010	
Magnesium	4190	*	3.4	3.4	mg/Kg	09/29/14	LK	SW6010	
Manganese	431	N	3.4	3.4	mg/Kg	09/29/14	LK	SW6010	
Sodium	663	N*	7	2.9	mg/Kg	09/29/14	LK	SW6010	
Nickel	21.6		0.34	0.34	mg/Kg	09/29/14	LK	SW6010	
Lead	435	*	6.8	3.4	mg/Kg	09/29/14	LK	SW6010	
Antimony	< 1.7		1.7	1.7	mg/Kg	09/29/14	LK	SW6010	
Selenium	< 1.4		1.4	1.2	mg/Kg	09/29/14	LK	SW6010	
TCLP Silver	< 0.10		0.10	0.010	mg/L	09/30/14	EK	SW6010	
TCLP Arsenic	< 0.10		0.10	0.040	mg/L	09/30/14	LK	SW6010	
TCLP Barium	0.87		0.10	0.010	mg/L	09/30/14	EK	SW6010	B
TCLP Cadmium	0.010	B*	0.050	0.0050	mg/L	09/30/14	EK	SW6010	
TCLP Chromium	< 0.10	*	0.10	0.010	mg/L	09/30/14	EK	SW6010	
TCLP Mercury	< 0.0002		0.0002	0.00015	mg/L	09/30/14	RS	SW7470	
TCLP Lead	0.20		0.10	0.010	mg/L	09/30/14	EK	SW6010	
TCLP Selenium	< 0.10		0.10	0.10	mg/L	09/30/14	EK	SW6010	

Project ID: 325 E 25TH ST
Client ID: WC-1 FILL 1 COMP

Phoenix I.D.: BH20207

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 1.4		1.4	1.4	mg/Kg	09/29/14	LK	SW6010	
TCLP Metals Digestion	Completed					09/30/14	I/I	SW3005	
Trivalent Chromium	20.6		0.50		mg/kg	10/01/14	KDB	Calculation	
Vanadium	50.2		0.3	0.34	mg/Kg	09/29/14	LK	SW6010	
Zinc	282	N	6.8	3.4	mg/Kg	09/29/14	LK	SW6010	
Percent Solid	91				%	09/26/14	i	E160.3	
Chromium, Hexavalent	< 0.44		0.44	0.44	mg/Kg	10/01/14 10:59	KDB	SW3060/7196	
pH - Soil	6.51		0.10		pH Units	09/26/14 20:00	DH/KDB	4500-H B/9045	1
Redox Potential	290		1.0		mV	09/26/14	DH/KDB	SM2580B	1
Total Cyanide	0.659		0.55	0.27	mg/Kg	09/27/14	O/EG	SW 9010/9012	
Soil Extraction for PCB	Completed					09/26/14	BB/H	SW3545	
Soil Extraction for Pesticide	Completed					09/26/14	BB	SW3545	
Soil Extraction for SVOA	Completed					09/29/14	BJ/VH	SW3545	
Mercury Digestion	Completed					09/29/14	I/I	SW7471	
Soil Extraction for Herbicide	Completed					09/30/14	P/D	SW8151	
TCLP Digestion Mercury	Completed					09/30/14	I/I	E1311/7470	
TCLP Extraction for Metals	Completed					09/29/14	I	EPA 1311	
Total Metals Digest	Completed					09/26/14	CB/AG	SW846 - 3050	
Extraction of TPH SM	Completed					09/26/14	BB/V	3545/3550	
Chlorinated Herbicides									
2,4,5-T	ND		46	46	ug/Kg	10/01/14	BB	SW8151	
2,4,5-TP (Silvex)	ND		46	46	ug/Kg	10/01/14	BB	SW8151	
2,4-D	ND		46	46	ug/Kg	10/01/14	BB	SW8151	
2,4-DB	ND		460	460	ug/Kg	10/01/14	BB	SW8151	
Dalapon	ND		46	46	ug/Kg	10/01/14	BB	SW8151	
Dicamba	ND		91	91	ug/Kg	10/01/14	BB	SW8151	
Dichloroprop	ND		46	46	ug/Kg	10/01/14	BB	SW8151	
Dinoseb	ND		91	91	ug/Kg	10/01/14	BB	SW8151	
QA/QC Surrogates									
% DCAA	53				%	10/01/14	BB	30 - 150 %	
Polychlorinated Biphenyls									
PCB-1016	ND		36	36	ug/Kg	09/27/14	AW	SW 8082	
PCB-1221	ND		36	36	ug/Kg	09/27/14	AW	SW 8082	
PCB-1232	ND		36	36	ug/Kg	09/27/14	AW	SW 8082	
PCB-1242	ND		36	36	ug/Kg	09/27/14	AW	SW 8082	
PCB-1248	ND		36	36	ug/Kg	09/27/14	AW	SW 8082	
PCB-1254	ND		36	36	ug/Kg	09/27/14	AW	SW 8082	
PCB-1260	ND		36	36	ug/Kg	09/27/14	AW	SW 8082	
PCB-1262	ND		36	36	ug/Kg	09/27/14	AW	SW 8082	
PCB-1268	ND		36	36	ug/Kg	09/27/14	AW	SW 8082	
QA/QC Surrogates									
% DCBP	143				%	09/27/14	AW	30 - 150 %	
% TCMX	79				%	09/27/14	AW	30 - 150 %	
Pesticides - Soil									
4,4' -DDD	ND		30	30	ug/Kg	10/01/14	CE	SW8081	
4,4' -DDE	ND		13	13	ug/Kg	10/01/14	CE	SW8081	
4,4' -DDT	ND		50	50	ug/Kg	10/01/14	CE	SW8081	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
a-BHC	ND	18	18	ug/Kg	10/01/14	CE	SW8081	
a-Chlordane	ND	25	25	ug/Kg	10/01/14	CE	SW8081	
Aldrin	ND	40	40	ug/Kg	10/01/14	CE	SW8081	
b-BHC	ND	18	18	ug/Kg	10/01/14	CE	SW8081	
Chlordane	ND	180	180	ug/Kg	10/01/14	CE	SW8081	
d-BHC	ND	18	18	ug/Kg	10/01/14	CE	SW8081	
Dieldrin	ND	8.9	8.9	ug/Kg	10/01/14	CE	SW8081	
Endosulfan I	ND	25	25	ug/Kg	10/01/14	CE	SW8081	
Endosulfan II	ND	18	18	ug/Kg	10/01/14	CE	SW8081	
Endosulfan sulfate	ND	18	18	ug/Kg	10/01/14	CE	SW8081	
Endrin	ND	18	18	ug/Kg	10/01/14	CE	SW8081	
Endrin aldehyde	ND	35	35	ug/Kg	10/01/14	CE	SW8081	
Endrin ketone	ND	8.9	8.9	ug/Kg	10/01/14	CE	SW8081	
g-BHC	ND	18	18	ug/Kg	10/01/14	CE	SW8081	
g-Chlordane	ND	18	18	ug/Kg	10/01/14	CE	SW8081	
Heptachlor	ND	18	18	ug/Kg	10/01/14	CE	SW8081	
Heptachlor epoxide	ND	40	40	ug/Kg	10/01/14	CE	SW8081	
Methoxychlor	ND	36	36	ug/Kg	10/01/14	CE	SW8081	
Toxaphene	ND	890	890	ug/Kg	10/01/14	CE	SW8081	
QA/QC Surrogates								
% DCBP	Diluted Out			%	10/01/14	CE	30 - 150 %	
% TCMX	Diluted Out			%	10/01/14	CE	30 - 150 %	
Total Petroleum Hydrocarbons								
Total Petroleum Hydrocarbons	1100	110	110	mg/Kg	09/29/14	JRB	DRO 8015C	
QA/QC Surrogates								
% n-Pentacosane	99			%	09/29/14	JRB	50 - 150 %	
Semivolatiles								
1,1-Biphenyl	ND	2600	1100	ug/Kg	09/29/14	DD	SW 8270	
1,2,4,5-Tetrachlorobenzene	ND	2600	1300	ug/Kg	09/29/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	3700	3700	ug/Kg	09/29/14	DD	SW 8270	
2,3,4,6-tetrachlorophenol	ND	2600	1700	ug/Kg	09/29/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	2600	2000	ug/Kg	09/29/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	1500	1200	ug/Kg	09/29/14	DD	SW 8270	
2,4-Dichlorophenol	ND	1500	1300	ug/Kg	09/29/14	DD	SW 8270	
2,4-Dimethylphenol	ND	2600	910	ug/Kg	09/29/14	DD	SW 8270	
2,4-Dinitrophenol	ND	2600	2600	ug/Kg	09/29/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	1500	1400	ug/Kg	09/29/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	1500	1200	ug/Kg	09/29/14	DD	SW 8270	
2-Chloronaphthalene	ND	2600	1000	ug/Kg	09/29/14	DD	SW 8270	
2-Chlorophenol	ND	2600	1000	ug/Kg	09/29/14	DD	SW 8270	
2-Methylnaphthalene	2600	2600	1100	ug/Kg	09/29/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	2600	1700	ug/Kg	09/29/14	DD	SW 8270	
2-Nitroaniline	ND	18000	3700	ug/Kg	09/29/14	DD	SW 8270	
2-Nitrophenol	ND	2600	2300	ug/Kg	09/29/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	2600	1400	ug/Kg	09/29/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	1500	1700	ug/Kg	09/29/14	DD	SW 8270	
3-Nitroaniline	ND	18000	7900	ug/Kg	09/29/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	2600	3900	ug/Kg	09/29/14	DD	SW 8270	

Project ID: 325 E 25TH ST
Client ID: WC-1 FILL 1 COMP

Phoenix I.D.: BH20207

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Bromophenyl phenyl ether	ND		2600	1100	ug/Kg	09/29/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND		2600	1300	ug/Kg	09/29/14	DD	SW 8270	
4-Chloroaniline	ND		7300	1700	ug/Kg	09/29/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		2600	1200	ug/Kg	09/29/14	DD	SW 8270	
4-Nitroaniline	ND		18000	1200	ug/Kg	09/29/14	DD	SW 8270	
4-Nitrophenol	ND		18000	1700	ug/Kg	09/29/14	DD	SW 8270	
Acenaphthene	3200		2600	1100	ug/Kg	09/29/14	DD	SW 8270	
Acenaphthylene	3200		1500	1000	ug/Kg	09/29/14	DD	SW 8270	
Acetophenone	ND		2600	1100	ug/Kg	09/29/14	DD	SW 8270	
Anthracene	8000		2600	1200	ug/Kg	09/29/14	DD	SW 8270	
Atrazine	ND		1500	1600	ug/Kg	09/29/14	DD	SW 8270	
Benz(a)anthracene	21000		2600	1200	ug/Kg	09/29/14	DD	SW 8270	
Benzaldehyde	ND		2600	1100	ug/Kg	09/29/14	DD	SW 8270	
Benzidine	ND		5500	5500	ug/Kg	09/29/14	DD	SW 8270	
Benzo(a)pyrene	19000		1500	1200	ug/Kg	09/29/14	DD	SW 8270	
Benzo(b)fluoranthene	25000		2600	1200	ug/Kg	09/29/14	DD	SW 8270	
Benzo(ghi)perylene	9200		2600	1200	ug/Kg	09/29/14	DD	SW 8270	
Benzo(k)fluoranthene	7400		2600	1200	ug/Kg	09/29/14	DD	SW 8270	
Benzyl Alcohol	ND		3700	3700	ug/Kg	09/29/14	DD	SW 8270	
Benzyl butyl phthalate	ND		2600	940	ug/Kg	09/29/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		2600	1000	ug/Kg	09/29/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		1500	990	ug/Kg	09/29/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		2600	1000	ug/Kg	09/29/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		2600	1100	ug/Kg	09/29/14	DD	SW 8270	
Caprolactam	ND		2600	6500	ug/Kg	09/29/14	DD	SW 8270	
Carbazole	3700	J	18000	2800	ug/Kg	09/29/14	DD	SW 8270	
Chrysene	19000		2600	1200	ug/Kg	09/29/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND		1500	1200	ug/Kg	09/29/14	DD	SW 8270	
Dibenzofuran	3600		2600	1100	ug/Kg	09/29/14	DD	SW 8270	
Diethyl phthalate	ND		2600	1200	ug/Kg	09/29/14	DD	SW 8270	
Dimethylphthalate	ND		2600	1100	ug/Kg	09/29/14	DD	SW 8270	
Di-n-butylphthalate	ND		2600	970	ug/Kg	09/29/14	DD	SW 8270	
Di-n-octylphthalate	ND		2600	940	ug/Kg	09/29/14	DD	SW 8270	
Fluoranthene	47000		2600	1200	ug/Kg	09/29/14	DD	SW 8270	
Fluorene	4500		2600	1200	ug/Kg	09/29/14	DD	SW 8270	
Hexachlorobenzene	ND		1500	1100	ug/Kg	09/29/14	DD	SW 8270	
Hexachlorobutadiene	ND		2600	1300	ug/Kg	09/29/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND		2600	1100	ug/Kg	09/29/14	DD	SW 8270	
Hexachloroethane	ND		1500	1100	ug/Kg	09/29/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	8500		2600	1200	ug/Kg	09/29/14	DD	SW 8270	
Isophorone	ND		1500	1000	ug/Kg	09/29/14	DD	SW 8270	
Naphthalene	5300		2600	1100	ug/Kg	09/29/14	DD	SW 8270	
Nitrobenzene	ND		1500	1300	ug/Kg	09/29/14	DD	SW 8270	
N-Nitrosodimethylamine	ND		2600	1000	ug/Kg	09/29/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		1500	1200	ug/Kg	09/29/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND		1500	1400	ug/Kg	09/29/14	DD	SW 8270	
Pentachlorophenol	ND		2600	1400	ug/Kg	09/29/14	DD	SW 8270	
Phenanthrene	47000		1500	1000	ug/Kg	09/29/14	DD	SW 8270	
Phenol	ND		2600	1200	ug/Kg	09/29/14	DD	SW 8270	

Project ID: 325 E 25TH ST
Client ID: WC-1 FILL 1 COMP

Phoenix I.D.: BH20207

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Pyrene	39000	2600	1300	ug/Kg	09/29/14	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	Diluted Out			%	09/29/14	DD	SW 8270	
% 2-Fluorobiphenyl	Diluted Out			%	09/29/14	DD	SW 8270	
% 2-Fluorophenol	Diluted Out			%	09/29/14	DD	SW 8270	
% Nitrobenzene-d5	Diluted Out			%	09/29/14	DD	SW 8270	
% Phenol-d5	Diluted Out			%	09/29/14	DD	SW 8270	
% Terphenyl-d14	Diluted Out			%	09/29/14	DD	SW 8270	
Parathion	ND	330		ug/Kg	09/30/14	DD	SW8270	1O

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
1O = This parameter is not certified by NY NELAC for this matrix.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Semi-Volatile Comment:
Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, a dilution was required resulting in an elevated RL for the semivolatile analysis.

Hexavalent Chromium:
This sample is in a reducing state.

Pesticide Comment:
Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, an elevated RL was reported.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller, Laboratory Director
October 03, 2014
Reviewed and Released by: Bobbi Aloisa, Vice President

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

October 03, 2014

FOR: Attn: Mr Jeff Bogoian
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		09/26/14	7:30
Location Code:	IMPACT	Received by:	SW	09/26/14	18:53
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH20207
Phoenix ID: BH20208

Project ID: 325 E 25TH ST
Client ID: WC-2 FILL 1 COMP

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.35		0.35	0.35	mg/Kg	09/29/14	LK	SW6010	
Aluminum	11600		35	7.1	mg/Kg	09/29/14	LK	SW6010	
Arsenic	12.5	*	0.7	0.71	mg/Kg	09/29/14	LK	SW6010	
Barium	175		0.7	0.35	mg/Kg	09/29/14	LK	SW6010	
Beryllium	0.54		0.28	0.14	mg/Kg	09/29/14	LK	SW6010	
Calcium	15800	*	35	33	mg/Kg	09/29/14	LK	SW6010	
Cadmium	0.29	B	0.35	0.14	mg/Kg	09/29/14	LK	SW6010	
Cobalt	7.58		0.35	0.35	mg/Kg	09/29/14	LK	SW6010	
Chromium	24.6		0.35	0.35	mg/Kg	09/29/14	LK	SW6010	
Copper	41.9	*	0.35	0.35	mg/kg	09/29/14	LK	SW6010	
Iron	17500		35	35	mg/Kg	09/29/14	LK	SW6010	
Mercury	0.23	N	0.07	0.04	mg/Kg	09/29/14	RS	SW-7471	
Potassium	1570	N	71	28	mg/Kg	09/29/14	LK	SW6010	
Magnesium	2980	*	3.5	3.5	mg/Kg	09/29/14	LK	SW6010	
Manganese	314	N	3.5	3.5	mg/Kg	09/29/14	LK	SW6010	
Sodium	368	N*	7	3.1	mg/Kg	09/29/14	LK	SW6010	
Nickel	13.0		0.35	0.35	mg/Kg	09/29/14	LK	SW6010	
Lead	193	*	7.1	3.5	mg/Kg	09/29/14	LK	SW6010	
Antimony	< 1.8		1.8	1.8	mg/Kg	09/29/14	LK	SW6010	
Selenium	< 1.4	*	1.4	1.2	mg/Kg	09/29/14	LK	SW6010	
Thallium	< 1.4		1.4	1.4	mg/Kg	09/29/14	LK	SW6010	
Trivalent Chromium	24.6		0.50		mg/kg	10/01/14	KDB	Calculation	
Vanadium	33.2		0.4	0.35	mg/Kg	09/29/14	LK	SW6010	
Zinc	175	N	7.1	3.5	mg/Kg	09/29/14	LK	SW6010	
Percent Solid	87				%	09/26/14	i	E160.3	
Chromium, Hexavalent	< 0.44		0.44	0.44	mg/Kg	10/01/14 10:59	KDB	SW3060/7196	
pH - Soil	7.02		0.10		pH Units	09/26/14 20:00	DH/KDB	4500-H B/9045	1
Redox Potential	270		1.0		mV	09/26/14	DH/KDB	SM2580B	1

Project ID: 325 E 25TH ST
Client ID: WC-2 FILL 1 COMP

Phoenix I.D.: BH20208

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Cyanide	0.269	B	0.52	0.26	mg/Kg	09/27/14	O/EG	SW 9010/9012
Soil Extraction for PCB	Completed					09/26/14	BB/H	SW3545
Soil Extraction for Pesticide	Completed					09/26/14	BB	SW3545
Soil Extraction for SVOA	Completed					09/29/14	BJ/VH	SW3545
Mercury Digestion	Completed					09/29/14	I/I	SW7471
Soil Extraction for Herbicide	Completed					09/26/14	JP/D	SW8151
Total Metals Digest	Completed					09/26/14	CB/AG	SW846 - 3050
Chlorinated Herbicides								
2,4,5-T	ND		48	48	ug/Kg	09/29/14	BB	SW8151
2,4,5-TP (Silvex)	ND		48	48	ug/Kg	09/29/14	BB	SW8151
2,4-D	ND		48	48	ug/Kg	09/29/14	BB	SW8151
2,4-DB	ND		480	480	ug/Kg	09/29/14	BB	SW8151
Dalapon	ND		48	48	ug/Kg	09/29/14	BB	SW8151
Dicamba	ND		95	95	ug/Kg	09/29/14	BB	SW8151
Dichloroprop	ND		48	48	ug/Kg	09/29/14	BB	SW8151
Dinoseb	ND		95	95	ug/Kg	09/29/14	BB	SW8151
QA/QC Surrogates								
% DCAA	56				%	09/29/14	BB	30 - 150 %
Polychlorinated Biphenyls								
PCB-1016	ND		37	37	ug/Kg	09/27/14	AW	SW 8082
PCB-1221	ND		37	37	ug/Kg	09/27/14	AW	SW 8082
PCB-1232	ND		37	37	ug/Kg	09/27/14	AW	SW 8082
PCB-1242	ND		37	37	ug/Kg	09/27/14	AW	SW 8082
PCB-1248	ND		37	37	ug/Kg	09/27/14	AW	SW 8082
PCB-1254	ND		37	37	ug/Kg	09/27/14	AW	SW 8082
PCB-1260	ND		37	37	ug/Kg	09/27/14	AW	SW 8082
PCB-1262	ND		37	37	ug/Kg	09/27/14	AW	SW 8082
PCB-1268	ND		37	37	ug/Kg	09/27/14	AW	SW 8082
QA/QC Surrogates								
% DCBP	95				%	09/27/14	AW	30 - 150 %
% TCMX	81				%	09/27/14	AW	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND		2.7	2.7	ug/Kg	09/30/14	CE	SW8081
4,4' -DDE	40		2.7	2.7	ug/Kg	09/30/14	CE	SW8081
4,4' -DDT	42		2.7	2.7	ug/Kg	09/30/14	CE	SW8081
a-BHC	ND		3.7	3.7	ug/Kg	09/30/14	CE	SW8081
a-Chlordane	27		3.7	3.7	ug/Kg	09/30/14	CE	SW8081
Aldrin	ND		1.9	1.9	ug/Kg	09/30/14	CE	SW8081
b-BHC	ND		3.7	3.7	ug/Kg	09/30/14	CE	SW8081
Chlordane	150		37	37	ug/Kg	09/30/14	CE	SW8081
d-BHC	26		3.7	3.7	ug/Kg	09/30/14	CE	SW8081
Dieldrin	ND		8.0	8.0	ug/Kg	09/30/14	CE	SW8081
Endosulfan I	ND		3.7	3.7	ug/Kg	09/30/14	CE	SW8081
Endosulfan II	ND		3.7	3.7	ug/Kg	09/30/14	CE	SW8081
Endosulfan sulfate	ND		6.0	6.0	ug/Kg	09/30/14	CE	SW8081
Endrin	ND		3.7	3.7	ug/Kg	09/30/14	CE	SW8081
Endrin aldehyde	ND		3.7	3.7	ug/Kg	09/30/14	CE	SW8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Endrin ketone	ND	1.9	1.9	ug/Kg	09/30/14	CE	SW8081	
g-BHC	ND	3.7	3.7	ug/Kg	09/30/14	CE	SW8081	
g-Chlordane	22	3.7	3.7	ug/Kg	09/30/14	CE	SW8081	
Heptachlor	ND	3.7	3.7	ug/Kg	09/30/14	CE	SW8081	
Heptachlor epoxide	ND	3.7	3.7	ug/Kg	09/30/14	CE	SW8081	
Methoxychlor	ND	7.4	7.4	ug/Kg	09/30/14	CE	SW8081	
Toxaphene	ND	190	190	ug/Kg	09/30/14	CE	SW8081	
QA/QC Surrogates								
% DCBP	101			%	09/30/14	CE	30 - 150 %	
% TCMX	87			%	09/30/14	CE	30 - 150 %	
Semivolatiles								
1,1-Biphenyl	ND	2700	1200	ug/Kg	09/30/14	DD	SW 8270	
1,2,4,5-Tetrachlorobenzene	ND	2700	1300	ug/Kg	09/30/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	3800	3800	ug/Kg	09/30/14	DD	SW 8270	
2,3,4,6-tetrachlorophenol	ND	2700	1800	ug/Kg	09/30/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	2700	2100	ug/Kg	09/30/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	1500	1200	ug/Kg	09/30/14	DD	SW 8270	
2,4-Dichlorophenol	ND	1500	1300	ug/Kg	09/30/14	DD	SW 8270	
2,4-Dimethylphenol	ND	2700	940	ug/Kg	09/30/14	DD	SW 8270	
2,4-Dinitrophenol	ND	2700	2700	ug/Kg	09/30/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	1500	1500	ug/Kg	09/30/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	1500	1200	ug/Kg	09/30/14	DD	SW 8270	
2-Chloronaphthalene	ND	2700	1100	ug/Kg	09/30/14	DD	SW 8270	
2-Chlorophenol	ND	2700	1100	ug/Kg	09/30/14	DD	SW 8270	
2-Methylnaphthalene	ND	2700	1100	ug/Kg	09/30/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	2700	1800	ug/Kg	09/30/14	DD	SW 8270	
2-Nitroaniline	ND	19000	3800	ug/Kg	09/30/14	DD	SW 8270	
2-Nitrophenol	ND	2700	2400	ug/Kg	09/30/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	2700	1500	ug/Kg	09/30/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	1500	1800	ug/Kg	09/30/14	DD	SW 8270	
3-Nitroaniline	ND	19000	8300	ug/Kg	09/30/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	2700	4100	ug/Kg	09/30/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	2700	1100	ug/Kg	09/30/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	2700	1300	ug/Kg	09/30/14	DD	SW 8270	
4-Chloroaniline	ND	7600	1800	ug/Kg	09/30/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	2700	1300	ug/Kg	09/30/14	DD	SW 8270	
4-Nitroaniline	ND	19000	1300	ug/Kg	09/30/14	DD	SW 8270	
4-Nitrophenol	ND	19000	1700	ug/Kg	09/30/14	DD	SW 8270	
Acenaphthene	ND	2700	1200	ug/Kg	09/30/14	DD	SW 8270	
Acenaphthylene	ND	1500	1100	ug/Kg	09/30/14	DD	SW 8270	
Acetophenone	ND	2700	1200	ug/Kg	09/30/14	DD	SW 8270	
Anthracene	3900	2700	1200	ug/Kg	09/30/14	DD	SW 8270	
Atrazine	ND	1500	1700	ug/Kg	09/30/14	DD	SW 8270	
Benz(a)anthracene	14000	2700	1300	ug/Kg	09/30/14	DD	SW 8270	
Benzaldehyde	ND	2700	1100	ug/Kg	09/30/14	DD	SW 8270	
Benzidine	ND	5700	5700	ug/Kg	09/30/14	DD	SW 8270	
Benzo(a)pyrene	11000	1500	1200	ug/Kg	09/30/14	DD	SW 8270	
Benzo(b)fluoranthene	13000	2700	1300	ug/Kg	09/30/14	DD	SW 8270	
Benzo(ghi)perylene	6400	2700	1200	ug/Kg	09/30/14	DD	SW 8270	

Project ID: 325 E 25TH ST
Client ID: WC-2 FILL 1 COMP

Phoenix I.D.: BH20208

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Benzo(k)fluoranthene	4500	2700	1300	ug/Kg	09/30/14	DD	SW 8270	
Benzyl Alcohol	ND	3800	3800	ug/Kg	09/30/14	DD	SW 8270	
Benzyl butyl phthalate	ND	2700	980	ug/Kg	09/30/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	2700	1100	ug/Kg	09/30/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	1500	1000	ug/Kg	09/30/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	2700	1100	ug/Kg	09/30/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	2700	1100	ug/Kg	09/30/14	DD	SW 8270	
Caprolactam	ND	2700	6800	ug/Kg	09/30/14	DD	SW 8270	
Carbazole	ND	19000	2900	ug/Kg	09/30/14	DD	SW 8270	
Chrysene	12000	2700	1300	ug/Kg	09/30/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	1500	1200	ug/Kg	09/30/14	DD	SW 8270	
Dibenzofuran	ND	2700	1100	ug/Kg	09/30/14	DD	SW 8270	
Diethyl phthalate	ND	2700	1200	ug/Kg	09/30/14	DD	SW 8270	
Dimethylphthalate	ND	2700	1200	ug/Kg	09/30/14	DD	SW 8270	
Di-n-butylphthalate	ND	2700	1000	ug/Kg	09/30/14	DD	SW 8270	
Di-n-octylphthalate	ND	2700	980	ug/Kg	09/30/14	DD	SW 8270	
Fluoranthene	29000	2700	1200	ug/Kg	09/30/14	DD	SW 8270	
Fluorene	ND	2700	1300	ug/Kg	09/30/14	DD	SW 8270	
Hexachlorobenzene	ND	1500	1100	ug/Kg	09/30/14	DD	SW 8270	
Hexachlorobutadiene	ND	2700	1400	ug/Kg	09/30/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	2700	1200	ug/Kg	09/30/14	DD	SW 8270	
Hexachloroethane	ND	1500	1100	ug/Kg	09/30/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	5600	2700	1300	ug/Kg	09/30/14	DD	SW 8270	
Isophorone	ND	1500	1100	ug/Kg	09/30/14	DD	SW 8270	
Naphthalene	ND	2700	1100	ug/Kg	09/30/14	DD	SW 8270	
Nitrobenzene	ND	1500	1300	ug/Kg	09/30/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	2700	1100	ug/Kg	09/30/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	1500	1200	ug/Kg	09/30/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	1500	1500	ug/Kg	09/30/14	DD	SW 8270	
Pentachlorophenol	ND	2700	1400	ug/Kg	09/30/14	DD	SW 8270	
Phenanthrene	18000	1500	1100	ug/Kg	09/30/14	DD	SW 8270	
Phenol	ND	2700	1200	ug/Kg	09/30/14	DD	SW 8270	
Pyrene	26000	2700	1300	ug/Kg	09/30/14	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	Diluted Out			%	09/30/14	DD	SW 8270	
% 2-Fluorobiphenyl	Diluted Out			%	09/30/14	DD	SW 8270	
% 2-Fluorophenol	Diluted Out			%	09/30/14	DD	SW 8270	
% Nitrobenzene-d5	Diluted Out			%	09/30/14	DD	SW 8270	
% Phenol-d5	Diluted Out			%	09/30/14	DD	SW 8270	
% Terphenyl-d14	Diluted Out			%	09/30/14	DD	SW 8270	
Parathion	ND	330		ug/Kg	09/30/14	DD	SW8270	1O

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
1O = This parameter is not certified by NY NELAC for this matrix.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

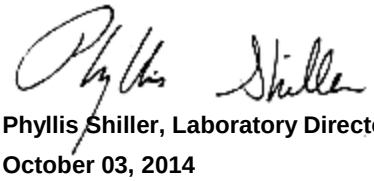
Semi-Volatile Comment:
Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, a dilution was required resulting in an elevated RL for the semivolatile analysis.

Pesticide Comment:
Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, an elevated RL was reported.

Hexavalent Chromium:
This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director
October 03, 2014
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

October 03, 2014

FOR: Attn: Mr Jeff Bogoian
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		09/26/14	9:00
Location Code:	IMPACT	Received by:	SW	09/26/14	18:53
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH20207
Phoenix ID: BH20209

Project ID: 325 E 25TH ST
Client ID: WC-3 FILL 1 COMP

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.37		0.37	0.37	mg/Kg	09/29/14	LK	SW6010	
Aluminum	5950		37	7.4	mg/Kg	09/29/14	LK	SW6010	
Arsenic	4.5	*	0.7	0.74	mg/Kg	09/29/14	LK	SW6010	
Barium	570		0.7	0.37	mg/Kg	09/29/14	LK	SW6010	
Beryllium	0.35		0.30	0.15	mg/Kg	09/29/14	LK	SW6010	
Calcium	54800	*	37	34	mg/Kg	09/29/14	LK	SW6010	
Cadmium	0.55	*	0.37	0.15	mg/Kg	09/29/14	LK	SW6010	
Cobalt	4.99		0.37	0.37	mg/Kg	09/29/14	LK	SW6010	
Chromium	14.5		0.37	0.37	mg/Kg	09/29/14	LK	SW6010	
Copper	18.5	*	0.37	0.37	mg/kg	09/29/14	LK	SW6010	
Iron	13700		37	37	mg/Kg	09/29/14	LK	SW6010	
Mercury	0.39	N	0.07	0.04	mg/Kg	09/29/14	RS	SW-7471	
Potassium	1070	N	74	29	mg/Kg	09/29/14	LK	SW6010	
Magnesium	4870	*	3.7	3.7	mg/Kg	09/29/14	LK	SW6010	
Manganese	397	N	3.7	3.7	mg/Kg	09/29/14	LK	SW6010	
Sodium	338	N*	7	3.2	mg/Kg	09/29/14	LK	SW6010	
Nickel	14.5		0.37	0.37	mg/Kg	09/29/14	LK	SW6010	
Lead	438	*	7.4	3.7	mg/Kg	09/29/14	LK	SW6010	
Antimony	< 1.9		1.9	1.9	mg/Kg	09/29/14	LK	SW6010	
Selenium	< 1.5		1.5	1.3	mg/Kg	09/29/14	LK	SW6010	
Thallium	< 1.5		1.5	1.5	mg/Kg	09/29/14	LK	SW6010	
Trivalent Chromium	14.5		0.50		mg/kg	10/01/14	KDB	Calculation	
Vanadium	22.5		0.4	0.37	mg/Kg	09/29/14	LK	SW6010	
Zinc	388	N	7.4	3.7	mg/Kg	09/29/14	LK	SW6010	
Percent Solid	90				%	09/26/14	i	E160.3	
Chromium, Hexavalent	< 0.44		0.44	0.44	mg/Kg	10/01/14 10:59	KDB	SW3060/7196	
pH - Soil	6.96		0.10		pH Units	09/26/14 20:00	DH/KDB	4500-H B/9045	1
Redox Potential	270		1.0		mV	09/26/14	DH/KDB	SM2580B	1

Project ID: 325 E 25TH ST
Client ID: WC-3 FILL 1 COMP

Phoenix I.D.: BH20209

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Cyanide	0.600	0.56	0.28	mg/Kg	09/27/14	O/EG	SW 9010/9012
Soil Extraction for PCB	Completed				09/26/14	BB/H	SW3545
Soil Extraction for Pesticide	Completed				09/26/14	BB	SW3545
Soil Extraction for SVOA	Completed				09/29/14	BJ/VH	SW3545
Mercury Digestion	Completed				09/29/14	I/I	SW7471
Soil Extraction for Herbicide	Completed				09/26/14	JP/D	SW8151
Total Metals Digest	Completed				09/26/14	CB/AG	SW846 - 3050
Chlorinated Herbicides							
2,4,5-T	ND	46	46	ug/Kg	09/29/14	BB	SW8151
2,4,5-TP (Silvex)	ND	46	46	ug/Kg	09/29/14	BB	SW8151
2,4-D	ND	46	46	ug/Kg	09/29/14	BB	SW8151
2,4-DB	ND	460	460	ug/Kg	09/29/14	BB	SW8151
Dalapon	ND	46	46	ug/Kg	09/29/14	BB	SW8151
Dicamba	ND	92	92	ug/Kg	09/29/14	BB	SW8151
Dichloroprop	ND	46	46	ug/Kg	09/29/14	BB	SW8151
Dinoseb	ND	92	92	ug/Kg	09/29/14	BB	SW8151
QA/QC Surrogates							
% DCAA	52			%	09/29/14	BB	30 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	36	36	ug/Kg	09/29/14	AW	SW 8082
PCB-1221	ND	36	36	ug/Kg	09/29/14	AW	SW 8082
PCB-1232	ND	36	36	ug/Kg	09/29/14	AW	SW 8082
PCB-1242	ND	36	36	ug/Kg	09/29/14	AW	SW 8082
PCB-1248	ND	36	36	ug/Kg	09/29/14	AW	SW 8082
PCB-1254	ND	36	36	ug/Kg	09/29/14	AW	SW 8082
PCB-1260	ND	36	36	ug/Kg	09/29/14	AW	SW 8082
PCB-1262	ND	36	36	ug/Kg	09/29/14	AW	SW 8082
PCB-1268	ND	36	36	ug/Kg	09/29/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	106			%	09/29/14	AW	30 - 150 %
% TCMX	69			%	09/29/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	6.0	6.0	ug/Kg	10/01/14	CE	SW8081
4,4' -DDE	75	2.6	2.6	ug/Kg	10/01/14	CE	SW8081
4,4' -DDT	290	13	13	ug/Kg	10/01/14	CE	SW8081
a-BHC	ND	3.6	3.6	ug/Kg	10/01/14	CE	SW8081
a-Chlordane	41	3.6	3.6	ug/Kg	10/01/14	CE	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	10/01/14	CE	SW8081
b-BHC	ND	3.6	3.6	ug/Kg	10/01/14	CE	SW8081
Chlordane	290	36	36	ug/Kg	10/01/14	CE	SW8081
d-BHC	ND	3.6	3.6	ug/Kg	10/01/14	CE	SW8081
Dieldrin	ND	10	10	ug/Kg	10/01/14	CE	SW8081
Endosulfan I	ND	3.6	3.6	ug/Kg	10/01/14	CE	SW8081
Endosulfan II	ND	3.6	3.6	ug/Kg	10/01/14	CE	SW8081
Endosulfan sulfate	ND	3.6	3.6	ug/Kg	10/01/14	CE	SW8081
Endrin	ND	3.6	3.6	ug/Kg	10/01/14	CE	SW8081
Endrin aldehyde	ND	5.0	5.0	ug/Kg	10/01/14	CE	SW8081

Project ID: 325 E 25TH ST
Client ID: WC-3 FILL 1 COMP

Phoenix I.D.: BH20209

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Endrin ketone	ND		1.8	1.8	ug/Kg	10/01/14	CE	SW8081	
g-BHC	ND		3.6	3.6	ug/Kg	10/01/14	CE	SW8081	
g-Chlordane	38		3.6	3.6	ug/Kg	10/01/14	CE	SW8081	
Heptachlor	ND		3.6	3.6	ug/Kg	10/01/14	CE	SW8081	
Heptachlor epoxide	ND		3.6	3.6	ug/Kg	10/01/14	CE	SW8081	
Methoxychlor	ND		7.2	7.2	ug/Kg	10/01/14	CE	SW8081	
Toxaphene	ND		180	180	ug/Kg	10/01/14	CE	SW8081	
QA/QC Surrogates									
% DCBP	97				%	10/01/14	CE	30 - 150 %	
% TCMX	80				%	10/01/14	CE	30 - 150 %	
Semivolatiles									
1,1-Biphenyl	ND		260	110	ug/Kg	09/29/14	DD	SW 8270	
1,2,4,5-Tetrachlorobenzene	ND		260	130	ug/Kg	09/29/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND		370	370	ug/Kg	09/29/14	DD	SW 8270	
2,3,4,6-tetrachlorophenol	ND		260	170	ug/Kg	09/29/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND		260	200	ug/Kg	09/29/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND		150	120	ug/Kg	09/29/14	DD	SW 8270	
2,4-Dichlorophenol	ND		150	130	ug/Kg	09/29/14	DD	SW 8270	
2,4-Dimethylphenol	ND		260	91	ug/Kg	09/29/14	DD	SW 8270	
2,4-Dinitrophenol	ND		260	260	ug/Kg	09/29/14	DD	SW 8270	
2,4-Dinitrotoluene	ND		150	140	ug/Kg	09/29/14	DD	SW 8270	
2,6-Dinitrotoluene	ND		150	120	ug/Kg	09/29/14	DD	SW 8270	
2-Chloronaphthalene	ND		260	100	ug/Kg	09/29/14	DD	SW 8270	
2-Chlorophenol	ND		260	100	ug/Kg	09/29/14	DD	SW 8270	
2-Methylnaphthalene	ND		260	110	ug/Kg	09/29/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		260	170	ug/Kg	09/29/14	DD	SW 8270	
2-Nitroaniline	ND		1800	370	ug/Kg	09/29/14	DD	SW 8270	
2-Nitrophenol	ND		260	230	ug/Kg	09/29/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		260	140	ug/Kg	09/29/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		150	170	ug/Kg	09/29/14	DD	SW 8270	
3-Nitroaniline	ND		1800	800	ug/Kg	09/29/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		260	390	ug/Kg	09/29/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		260	110	ug/Kg	09/29/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND		260	130	ug/Kg	09/29/14	DD	SW 8270	
4-Chloroaniline	ND		730	170	ug/Kg	09/29/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		260	120	ug/Kg	09/29/14	DD	SW 8270	
4-Nitroaniline	ND		1800	120	ug/Kg	09/29/14	DD	SW 8270	
4-Nitrophenol	ND		1800	170	ug/Kg	09/29/14	DD	SW 8270	
Acenaphthene	130	J	260	110	ug/Kg	09/29/14	DD	SW 8270	
Acenaphthylene	330		150	100	ug/Kg	09/29/14	DD	SW 8270	
Acetophenone	ND		260	110	ug/Kg	09/29/14	DD	SW 8270	
Anthracene	530		260	120	ug/Kg	09/29/14	DD	SW 8270	
Atrazine	ND		150	160	ug/Kg	09/29/14	DD	SW 8270	
Benz(a)anthracene	3500		260	120	ug/Kg	09/29/14	DD	SW 8270	
Benzaldehyde	ND		260	110	ug/Kg	09/29/14	DD	SW 8270	
Benzidine	ND		550	550	ug/Kg	09/29/14	DD	SW 8270	
Benzo(a)pyrene	3400		150	120	ug/Kg	09/29/14	DD	SW 8270	
Benzo(b)fluoranthene	4700		260	130	ug/Kg	09/29/14	DD	SW 8270	
Benzo(ghi)perylene	1500		260	120	ug/Kg	09/29/14	DD	SW 8270	

Project ID: 325 E 25TH ST
Client ID: WC-3 FILL 1 COMP

Phoenix I.D.: BH20209

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Benzo(k)fluoranthene	1100		260	120	ug/Kg	09/29/14	DD	SW 8270	
Benzyl Alcohol	ND		370	370	ug/Kg	09/29/14	DD	SW 8270	
Benzyl butyl phthalate	ND		260	95	ug/Kg	09/29/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		260	100	ug/Kg	09/29/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		150	99	ug/Kg	09/29/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		260	100	ug/Kg	09/29/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		260	110	ug/Kg	09/29/14	DD	SW 8270	
Caprolactam	ND		260	660	ug/Kg	09/29/14	DD	SW 8270	
Carbazole	280	J	1800	280	ug/Kg	09/29/14	DD	SW 8270	
Chrysene	3400		260	120	ug/Kg	09/29/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND		150	120	ug/Kg	09/29/14	DD	SW 8270	
Dibenzofuran	110	J	260	110	ug/Kg	09/29/14	DD	SW 8270	
Diethyl phthalate	ND		260	120	ug/Kg	09/29/14	DD	SW 8270	
Dimethylphthalate	ND		260	110	ug/Kg	09/29/14	DD	SW 8270	
Di-n-butylphthalate	ND		260	98	ug/Kg	09/29/14	DD	SW 8270	
Di-n-octylphthalate	ND		260	95	ug/Kg	09/29/14	DD	SW 8270	
Fluoranthene	4800		260	120	ug/Kg	09/29/14	DD	SW 8270	
Fluorene	130	J	260	120	ug/Kg	09/29/14	DD	SW 8270	
Hexachlorobenzene	ND		150	110	ug/Kg	09/29/14	DD	SW 8270	
Hexachlorobutadiene	ND		260	130	ug/Kg	09/29/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND		260	110	ug/Kg	09/29/14	DD	SW 8270	
Hexachloroethane	ND		150	110	ug/Kg	09/29/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	1300		260	120	ug/Kg	09/29/14	DD	SW 8270	
Isophorone	ND		150	100	ug/Kg	09/29/14	DD	SW 8270	
Naphthalene	110	J	260	110	ug/Kg	09/29/14	DD	SW 8270	
Nitrobenzene	ND		150	130	ug/Kg	09/29/14	DD	SW 8270	
N-Nitrosodimethylamine	ND		260	100	ug/Kg	09/29/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		150	120	ug/Kg	09/29/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND		150	140	ug/Kg	09/29/14	DD	SW 8270	
Pentachlorophenol	ND		260	140	ug/Kg	09/29/14	DD	SW 8270	
Phenanthrene	2700		150	100	ug/Kg	09/29/14	DD	SW 8270	
Phenol	ND		260	120	ug/Kg	09/29/14	DD	SW 8270	
Pyrene	5000		260	130	ug/Kg	09/29/14	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	107				%	09/29/14	DD	SW 8270	
% 2-Fluorobiphenyl	90				%	09/29/14	DD	SW 8270	
% 2-Fluorophenol	87				%	09/29/14	DD	SW 8270	
% Nitrobenzene-d5	86				%	09/29/14	DD	SW 8270	
% Phenol-d5	90				%	09/29/14	DD	SW 8270	
% Terphenyl-d14	80				%	09/29/14	DD	SW 8270	
Parathion	ND		330		ug/Kg	09/30/14	DD	SW8270	1O

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
1O = This parameter is not certified by NY NELAC for this matrix.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

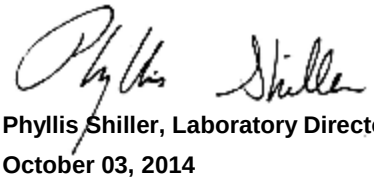
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Hexavalent Chromium:
This sample is in a reducing state.

Pesticide Comment:
Some of the continuing calibration standard recoveries were below criteria due to matrix interference. Samples were rerun with with similar results. A negative sample bias is suspected.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director
October 03, 2014
Reviewed and Released by: Bobbi Aloisa, Vice President

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

Analysis Report

October 03, 2014

FOR: Attn: Mr Jeff Bogoian
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		09/26/14	9:10
Location Code:	IMPACT	Received by:	SW	09/26/14	18:53
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH20207
Phoenix ID: BH20210

Project ID: 325 E 25TH ST
Client ID: WC-3 NATIVE COMP

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.38		0.38	0.38	mg/Kg	09/29/14	LK	SW6010	
Aluminum	7480		38	7.7	mg/Kg	09/29/14	LK	SW6010	
Arsenic	1.2	*	0.8	0.77	mg/Kg	09/29/14	LK	SW6010	
Barium	60.6		0.8	0.38	mg/Kg	09/29/14	LK	SW6010	
Beryllium	0.41		0.31	0.15	mg/Kg	09/29/14	LK	SW6010	
Calcium	2070	*	3.8	3.5	mg/Kg	09/29/14	LK	SW6010	
Cadmium	< 0.38	*	0.38	0.15	mg/Kg	09/29/14	LK	SW6010	
Cobalt	6.46		0.38	0.38	mg/Kg	09/29/14	LK	SW6010	
Chromium	17.1		0.38	0.38	mg/Kg	09/29/14	LK	SW6010	
Copper	16.9	*	0.38	0.38	mg/kg	09/29/14	LK	SW6010	
Iron	12700		38	38	mg/Kg	09/29/14	LK	SW6010	
Mercury	< 0.06	N	0.06	0.04	mg/Kg	09/29/14	RS	SW-7471	
Potassium	2040	N	77	30	mg/Kg	09/29/14	LK	SW6010	
Magnesium	2750	*	3.8	3.8	mg/Kg	09/29/14	LK	SW6010	
Manganese	108	N	0.38	0.38	mg/Kg	09/29/14	LK	SW6010	
Sodium	112	N*	8	3.3	mg/Kg	09/29/14	LK	SW6010	
Nickel	13.2		0.38	0.38	mg/Kg	09/29/14	LK	SW6010	
Lead	6.5	*	0.8	0.38	mg/Kg	09/29/14	LK	SW6010	
Antimony	< 1.9		1.9	1.9	mg/Kg	09/29/14	LK	SW6010	
Selenium	1.3	B	1.5	1.3	mg/Kg	09/29/14	LK	SW6010	
Thallium	< 1.5		1.5	1.5	mg/Kg	09/29/14	LK	SW6010	
Trivalent Chromium	17.1		0.50		mg/kg	10/01/14	KDB	Calculation	
Vanadium	20.3		0.4	0.38	mg/Kg	09/29/14	LK	SW6010	
Zinc	33.0	N	0.8	0.38	mg/Kg	09/29/14	LK	SW6010	
Percent Solid	93				%	09/26/14	i	E160.3	
Chromium, Hexavalent	< 0.43		0.43	0.43	mg/Kg	10/01/14 10:59	KDB	SW3060/7196	
pH - Soil	7.29		0.10		pH Units	09/26/14 20:00	DH/KDB	4500-H B/9045	1
Redox Potential	250		1.0		mV	09/26/14	DH/KDB	SM2580B	1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Cyanide	< 0.49	0.49	0.24	mg/Kg	09/27/14	O/EG	SW 9010/9012
Soil Extraction for PCB	Completed				09/26/14	BB/H	SW3545
Soil Extraction for Pesticide	Completed				09/26/14	BB	SW3545
Soil Extraction for SVOA	Completed				09/29/14	BJ/VH	SW3545
Mercury Digestion	Completed				09/29/14	I/I	SW7471
Soil Extraction for Herbicide	Completed				09/26/14	JP/D	SW8151
Total Metals Digest	Completed				09/26/14	CB/AG	SW846 - 3050
Chlorinated Herbicides							
2,4,5-T	ND	45	45	ug/Kg	09/29/14	BB	SW8151
2,4,5-TP (Silvex)	ND	45	45	ug/Kg	09/29/14	BB	SW8151
2,4-D	ND	45	45	ug/Kg	09/29/14	BB	SW8151
2,4-DB	ND	450	450	ug/Kg	09/29/14	BB	SW8151
Dalapon	ND	45	45	ug/Kg	09/29/14	BB	SW8151
Dicamba	ND	89	89	ug/Kg	09/29/14	BB	SW8151
Dichloroprop	ND	45	45	ug/Kg	09/29/14	BB	SW8151
Dinoseb	ND	89	89	ug/Kg	09/29/14	BB	SW8151
QA/QC Surrogates							
% DCAA	61			%	09/29/14	BB	30 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	36	36	ug/Kg	09/27/14	AW	SW 8082
PCB-1221	ND	36	36	ug/Kg	09/27/14	AW	SW 8082
PCB-1232	ND	36	36	ug/Kg	09/27/14	AW	SW 8082
PCB-1242	ND	36	36	ug/Kg	09/27/14	AW	SW 8082
PCB-1248	ND	36	36	ug/Kg	09/27/14	AW	SW 8082
PCB-1254	ND	36	36	ug/Kg	09/27/14	AW	SW 8082
PCB-1260	ND	36	36	ug/Kg	09/27/14	AW	SW 8082
PCB-1262	ND	36	36	ug/Kg	09/27/14	AW	SW 8082
PCB-1268	ND	36	36	ug/Kg	09/27/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	83			%	09/27/14	AW	30 - 150 %
% TCMX	68			%	09/27/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.6	2.6	ug/Kg	09/30/14	CE	SW8081
4,4' -DDE	ND	2.6	2.6	ug/Kg	09/30/14	CE	SW8081
4,4' -DDT	ND	2.6	2.6	ug/Kg	09/30/14	CE	SW8081
a-BHC	ND	3.6	3.6	ug/Kg	09/30/14	CE	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	09/30/14	CE	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	09/30/14	CE	SW8081
b-BHC	ND	3.6	3.6	ug/Kg	09/30/14	CE	SW8081
Chlordane	ND	36	36	ug/Kg	09/30/14	CE	SW8081
d-BHC	ND	3.6	3.6	ug/Kg	09/30/14	CE	SW8081
Dieldrin	ND	1.8	1.8	ug/Kg	09/30/14	CE	SW8081
Endosulfan I	ND	3.6	3.6	ug/Kg	09/30/14	CE	SW8081
Endosulfan II	ND	3.6	3.6	ug/Kg	09/30/14	CE	SW8081
Endosulfan sulfate	ND	3.6	3.6	ug/Kg	09/30/14	CE	SW8081
Endrin	ND	3.6	3.6	ug/Kg	09/30/14	CE	SW8081
Endrin aldehyde	ND	3.6	3.6	ug/Kg	09/30/14	CE	SW8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Endrin ketone	ND	1.8	1.8	ug/Kg	09/30/14	CE	SW8081	
g-BHC	ND	3.6	3.6	ug/Kg	09/30/14	CE	SW8081	
g-Chlordane	ND	3.6	3.6	ug/Kg	09/30/14	CE	SW8081	
Heptachlor	ND	3.6	3.6	ug/Kg	09/30/14	CE	SW8081	
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	09/30/14	CE	SW8081	
Methoxychlor	ND	7.1	7.1	ug/Kg	09/30/14	CE	SW8081	
Toxaphene	ND	180	180	ug/Kg	09/30/14	CE	SW8081	
QA/QC Surrogates								
% DCBP	83			%	09/30/14	CE	30 - 150 %	
% TCMX	85			%	09/30/14	CE	30 - 150 %	
Semivolatiles								
1,1-Biphenyl	ND	240	110	ug/Kg	09/30/14	DD	SW 8270	
1,2,4,5-Tetrachlorobenzene	ND	240	120	ug/Kg	09/30/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	350	350	ug/Kg	09/30/14	DD	SW 8270	
2,3,4,6-tetrachlorophenol	ND	240	160	ug/Kg	09/30/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	240	190	ug/Kg	09/30/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	140	110	ug/Kg	09/30/14	DD	SW 8270	
2,4-Dichlorophenol	ND	140	120	ug/Kg	09/30/14	DD	SW 8270	
2,4-Dimethylphenol	ND	240	86	ug/Kg	09/30/14	DD	SW 8270	
2,4-Dinitrophenol	ND	240	240	ug/Kg	09/30/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	140	140	ug/Kg	09/30/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	140	110	ug/Kg	09/30/14	DD	SW 8270	
2-Chloronaphthalene	ND	240	99	ug/Kg	09/30/14	DD	SW 8270	
2-Chlorophenol	ND	240	99	ug/Kg	09/30/14	DD	SW 8270	
2-Methylnaphthalene	ND	240	100	ug/Kg	09/30/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	240	160	ug/Kg	09/30/14	DD	SW 8270	
2-Nitroaniline	ND	1700	350	ug/Kg	09/30/14	DD	SW 8270	
2-Nitrophenol	ND	240	220	ug/Kg	09/30/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	240	140	ug/Kg	09/30/14	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	140	160	ug/Kg	09/30/14	DD	SW 8270	
3-Nitroaniline	ND	1700	760	ug/Kg	09/30/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	240	370	ug/Kg	09/30/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	240	100	ug/Kg	09/30/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	240	120	ug/Kg	09/30/14	DD	SW 8270	
4-Chloroaniline	ND	700	160	ug/Kg	09/30/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	240	120	ug/Kg	09/30/14	DD	SW 8270	
4-Nitroaniline	ND	1700	120	ug/Kg	09/30/14	DD	SW 8270	
4-Nitrophenol	ND	1700	160	ug/Kg	09/30/14	DD	SW 8270	
Acenaphthene	ND	240	110	ug/Kg	09/30/14	DD	SW 8270	
Acenaphthylene	ND	140	97	ug/Kg	09/30/14	DD	SW 8270	
Acetophenone	ND	240	110	ug/Kg	09/30/14	DD	SW 8270	
Anthracene	ND	240	110	ug/Kg	09/30/14	DD	SW 8270	
Atrazine	ND	140	160	ug/Kg	09/30/14	DD	SW 8270	
Benz(a)anthracene	ND	240	120	ug/Kg	09/30/14	DD	SW 8270	
Benzaldehyde	ND	240	100	ug/Kg	09/30/14	DD	SW 8270	
Benzidine	ND	520	520	ug/Kg	09/30/14	DD	SW 8270	
Benzo(a)pyrene	ND	140	110	ug/Kg	09/30/14	DD	SW 8270	
Benzo(b)fluoranthene	ND	240	120	ug/Kg	09/30/14	DD	SW 8270	
Benzo(ghi)perylene	ND	240	110	ug/Kg	09/30/14	DD	SW 8270	

Project ID: 325 E 25TH ST
Client ID: WC-3 NATIVE COMP

Phoenix I.D.: BH20210

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Benzo(k)fluoranthene	ND	240	120	ug/Kg	09/30/14	DD	SW 8270	
Benzyl Alcohol	ND	350	350	ug/Kg	09/30/14	DD	SW 8270	
Benzyl butyl phthalate	ND	240	90	ug/Kg	09/30/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	240	96	ug/Kg	09/30/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	140	94	ug/Kg	09/30/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	240	97	ug/Kg	09/30/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	240	100	ug/Kg	09/30/14	DD	SW 8270	
Caprolactam	ND	240	620	ug/Kg	09/30/14	DD	SW 8270	
Carbazole	ND	1700	260	ug/Kg	09/30/14	DD	SW 8270	
Chrysene	ND	240	120	ug/Kg	09/30/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	140	110	ug/Kg	09/30/14	DD	SW 8270	
Dibenzofuran	ND	240	100	ug/Kg	09/30/14	DD	SW 8270	
Diethyl phthalate	ND	240	110	ug/Kg	09/30/14	DD	SW 8270	
Dimethylphthalate	ND	240	110	ug/Kg	09/30/14	DD	SW 8270	
Di-n-butylphthalate	ND	240	93	ug/Kg	09/30/14	DD	SW 8270	
Di-n-octylphthalate	ND	240	90	ug/Kg	09/30/14	DD	SW 8270	
Fluoranthene	ND	240	110	ug/Kg	09/30/14	DD	SW 8270	
Fluorene	ND	240	110	ug/Kg	09/30/14	DD	SW 8270	
Hexachlorobenzene	ND	140	100	ug/Kg	09/30/14	DD	SW 8270	
Hexachlorobutadiene	ND	240	130	ug/Kg	09/30/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	240	110	ug/Kg	09/30/14	DD	SW 8270	
Hexachloroethane	ND	140	100	ug/Kg	09/30/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	240	120	ug/Kg	09/30/14	DD	SW 8270	
Isophorone	ND	140	97	ug/Kg	09/30/14	DD	SW 8270	
Naphthalene	ND	240	100	ug/Kg	09/30/14	DD	SW 8270	
Nitrobenzene	ND	140	120	ug/Kg	09/30/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	240	98	ug/Kg	09/30/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	140	110	ug/Kg	09/30/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	140	130	ug/Kg	09/30/14	DD	SW 8270	
Pentachlorophenol	ND	240	130	ug/Kg	09/30/14	DD	SW 8270	
Phenanthrene	ND	140	100	ug/Kg	09/30/14	DD	SW 8270	
Phenol	ND	240	110	ug/Kg	09/30/14	DD	SW 8270	
Pyrene	ND	240	120	ug/Kg	09/30/14	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	95			%	09/30/14	DD	SW 8270	
% 2-Fluorobiphenyl	88			%	09/30/14	DD	SW 8270	
% 2-Fluorophenol	80			%	09/30/14	DD	SW 8270	
% Nitrobenzene-d5	72			%	09/30/14	DD	SW 8270	
% Phenol-d5	82			%	09/30/14	DD	SW 8270	
% Terphenyl-d14	106			%	09/30/14	DD	SW 8270	
Parathion	ND	330		ug/Kg	09/30/14	DD	SW8270	1O

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
1O = This parameter is not certified by NY NELAC for this matrix.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Hexavalent Chromium:
This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller, Laboratory Director
October 03, 2014
Reviewed and Released by: Bobbi Aloisa, Vice President

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

October 03, 2014

FOR: Attn: Mr Jeff Bogoian
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		09/26/14	8:30
Location Code:	IMPACT	Received by:	SW	09/26/14	18:53
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH20207
Phoenix ID: BH20211

Project ID: 325 E 25TH ST
Client ID: WC-1 FILL GRAB

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	09/26/14	i	E160.3
1,4-dioxane							
1,4-dioxane	ND	100	100	ug/kg	09/27/14	JLI	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.1	1.0	ug/Kg	09/27/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.1	1.0	ug/Kg	09/27/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.1	0.72	ug/Kg	09/27/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.1	0.50	ug/Kg	09/27/14	JLI	SW8260
1,1-Dichloroethane	ND	5.1	1.0	ug/Kg	09/27/14	JLI	SW8260
1,1-Dichloroethene	ND	5.1	1.1	ug/Kg	09/27/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	5.1	0.68	ug/Kg	09/27/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	5.1	0.60	ug/Kg	09/27/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	5.1	1.4	ug/Kg	09/27/14	JLI	SW8260
1,2-Dibromoethane	ND	5.1	1.4	ug/Kg	09/27/14	JLI	SW8260
1,2-Dichlorobenzene	ND	5.1	0.56	ug/Kg	09/27/14	JLI	SW8260
1,2-Dichloroethane	ND	5.1	0.45	ug/Kg	09/27/14	JLI	SW8260
1,2-Dichloropropane	ND	5.1	0.72	ug/Kg	09/27/14	JLI	SW8260
1,3-Dichlorobenzene	ND	5.1	0.75	ug/Kg	09/27/14	JLI	SW8260
1,4-Dichlorobenzene	ND	5.1	0.81	ug/Kg	09/27/14	JLI	SW8260
2-Hexanone	ND	26	2.3	ug/Kg	09/27/14	JLI	SW8260
4-Methyl-2-pentanone	ND	26	1.2	ug/Kg	09/27/14	JLI	SW8260
Acetone	ND	50	5.1	ug/Kg	09/27/14	JLI	SW8260
Acrolein	ND	26	4.1	ug/Kg	09/27/14	JLI	SW8260
Acrylonitrile	ND	10	2.9	ug/Kg	09/27/14	JLI	SW8260
Benzene	ND	5.1	1.0	ug/Kg	09/27/14	JLI	SW8260
Bromochloromethane	ND	5.1	0.74	ug/Kg	09/27/14	JLI	SW8260

Project ID: 325 E 25TH ST
Client ID: WC-1 FILL GRAB

Phoenix I.D.: BH20211

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Bromodichloromethane	ND		5.1	0.63	ug/Kg	09/27/14	JLI	SW8260	
Bromoform	ND		5.1	0.71	ug/Kg	09/27/14	JLI	SW8260	
Bromomethane	ND		5.1	3.9	ug/Kg	09/27/14	JLI	SW8260	
Carbon Disulfide	ND		5.1	0.83	ug/Kg	09/27/14	JLI	SW8260	
Carbon tetrachloride	ND		5.1	0.59	ug/Kg	09/27/14	JLI	SW8260	
Chlorobenzene	ND		5.1	0.75	ug/Kg	09/27/14	JLI	SW8260	
Chloroethane	ND		5.1	1.2	ug/Kg	09/27/14	JLI	SW8260	
Chloroform	ND		5.1	0.93	ug/Kg	09/27/14	JLI	SW8260	
Chloromethane	ND		5.1	2.7	ug/Kg	09/27/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND		5.1	1.1	ug/Kg	09/27/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND		5.1	0.55	ug/Kg	09/27/14	JLI	SW8260	
Cyclohexane	ND		5.1	5.1	ug/Kg	09/27/14	JLI	SW8260	
Dibromochloromethane	ND		5.1	0.57	ug/Kg	09/27/14	JLI	SW8260	
Dichlorodifluoromethane	ND		5.1	1.4	ug/Kg	09/27/14	JLI	SW8260	
Ethylbenzene	ND		5.1	0.93	ug/Kg	09/27/14	JLI	SW8260	
Isopropylbenzene	ND		5.1	0.98	ug/Kg	09/27/14	JLI	SW8260	
m&p-Xylene	ND		5.1	2.0	ug/Kg	09/27/14	JLI	SW8260	
Methyl ethyl ketone	ND		31	4.4	ug/Kg	09/27/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND		10	1.4	ug/Kg	09/27/14	JLI	SW8260	
Methylacetate	ND		5.1	5.1	ug/Kg	09/27/14	JLI	SW8260	
Methylcyclohexane	ND		5.1	5.1	ug/Kg	09/27/14	JLI	SW8260	
Methylene chloride	1.5	JS	5.1	0.84	ug/Kg	09/27/14	JLI	SW8260	
o-Xylene	ND		5.1	1.9	ug/Kg	09/27/14	JLI	SW8260	
Styrene	ND		5.1	1.5	ug/Kg	09/27/14	JLI	SW8260	
tert-butyl alcohol	ND		100	100	ug/Kg	09/27/14	JLI	SW8260	
Tetrachloroethene	ND		5.1	1.1	ug/Kg	09/27/14	JLI	SW8260	
Toluene	ND		5.1	0.81	ug/Kg	09/27/14	JLI	SW8260	
Total Xylenes	ND		5.1	5.1	ug/Kg	09/27/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND		5.1	1.0	ug/Kg	09/27/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND		5.1	1.0	ug/Kg	09/27/14	JLI	SW8260	
Trichloroethene	ND		5.1	1.1	ug/Kg	09/27/14	JLI	SW8260	
Trichlorofluoromethane	ND		5.1	1.1	ug/Kg	09/27/14	JLI	SW8260	
Trichlorotrifluoroethane	ND		5.1	0.80	ug/Kg	09/27/14	JLI	SW8260	
Vinyl chloride	ND		5.1	1.7	ug/Kg	09/27/14	JLI	SW8260	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	95				%	09/27/14	JLI	70 - 130 %	
% Bromofluorobenzene	84				%	09/27/14	JLI	70 - 130 %	
% Dibromofluoromethane	106				%	09/27/14	JLI	70 - 130 %	
% Toluene-d8	86				%	09/27/14	JLI	70 - 130 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND		20	1.0	ug/Kg	09/27/14	JLI	SW8260	
Acrolein	ND		20	4.1	ug/Kg	09/27/14	JLI	SW8260	
Acrylonitrile	ND		20	2.9	ug/Kg	09/27/14	JLI	SW8260	
Tert-butyl alcohol	ND		100	100	ug/Kg	09/27/14	JLI	SW8260	
Vinyl Acetate	ND		51	51	ug/Kg	09/27/14	JLI	SW8260TIC	1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

100% Solid Assumed

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
October 03, 2014
Reviewed and Released by: Bobbi Aloisa, Vice President

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

Analysis Report

October 03, 2014

FOR: Attn: Mr Jeff Bogoian
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		09/26/14	7:30
Location Code:	IMPACT	Received by:	SW	09/26/14	18:53
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH20207
Phoenix ID: BH20212

Project ID: 325 E 25TH ST
Client ID: WC-2 FILL GRAB

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	09/26/14	i	E160.3
1,4-dioxane							
1,4-dioxane	ND	100	100	ug/kg	09/27/14	JLI	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.3	1.1	ug/Kg	09/27/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.3	1.1	ug/Kg	09/27/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.3	0.75	ug/Kg	09/27/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.3	0.52	ug/Kg	09/27/14	JLI	SW8260
1,1-Dichloroethane	ND	5.3	1.0	ug/Kg	09/27/14	JLI	SW8260
1,1-Dichloroethene	ND	5.3	1.2	ug/Kg	09/27/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	5.3	0.71	ug/Kg	09/27/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	5.3	0.63	ug/Kg	09/27/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	5.3	1.4	ug/Kg	09/27/14	JLI	SW8260
1,2-Dibromoethane	ND	5.3	1.4	ug/Kg	09/27/14	JLI	SW8260
1,2-Dichlorobenzene	ND	5.3	0.58	ug/Kg	09/27/14	JLI	SW8260
1,2-Dichloroethane	ND	5.3	0.47	ug/Kg	09/27/14	JLI	SW8260
1,2-Dichloropropane	ND	5.3	0.75	ug/Kg	09/27/14	JLI	SW8260
1,3-Dichlorobenzene	ND	5.3	0.78	ug/Kg	09/27/14	JLI	SW8260
1,4-Dichlorobenzene	ND	5.3	0.84	ug/Kg	09/27/14	JLI	SW8260
2-Hexanone	ND	27	2.4	ug/Kg	09/27/14	JLI	SW8260
4-Methyl-2-pentanone	ND	27	1.3	ug/Kg	09/27/14	JLI	SW8260
Acetone	ND	50	5.3	ug/Kg	09/27/14	JLI	SW8260
Acrolein	ND	27	4.2	ug/Kg	09/27/14	JLI	SW8260
Acrylonitrile	ND	11	3.0	ug/Kg	09/27/14	JLI	SW8260
Benzene	ND	5.3	1.0	ug/Kg	09/27/14	JLI	SW8260
Bromochloromethane	ND	5.3	0.77	ug/Kg	09/27/14	JLI	SW8260

Project ID: 325 E 25TH ST
Client ID: WC-2 FILL GRAB

Phoenix I.D.: BH20212

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Bromodichloromethane	ND		5.3	0.66	ug/Kg	09/27/14	JLI	SW8260	
Bromoform	ND		5.3	0.74	ug/Kg	09/27/14	JLI	SW8260	
Bromomethane	ND		5.3	4.1	ug/Kg	09/27/14	JLI	SW8260	
Carbon Disulfide	ND		5.3	0.86	ug/Kg	09/27/14	JLI	SW8260	
Carbon tetrachloride	ND		5.3	0.61	ug/Kg	09/27/14	JLI	SW8260	
Chlorobenzene	ND		5.3	0.78	ug/Kg	09/27/14	JLI	SW8260	
Chloroethane	ND		5.3	1.2	ug/Kg	09/27/14	JLI	SW8260	
Chloroform	ND		5.3	0.96	ug/Kg	09/27/14	JLI	SW8260	
Chloromethane	ND		5.3	2.8	ug/Kg	09/27/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND		5.3	1.2	ug/Kg	09/27/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND		5.3	0.57	ug/Kg	09/27/14	JLI	SW8260	
Cyclohexane	ND		5.3	5.3	ug/Kg	09/27/14	JLI	SW8260	
Dibromochloromethane	ND		5.3	0.59	ug/Kg	09/27/14	JLI	SW8260	
Dichlorodifluoromethane	ND		5.3	1.4	ug/Kg	09/27/14	JLI	SW8260	
Ethylbenzene	ND		5.3	0.96	ug/Kg	09/27/14	JLI	SW8260	
Isopropylbenzene	ND		5.3	1.0	ug/Kg	09/27/14	JLI	SW8260	
m&p-Xylene	ND		5.3	2.1	ug/Kg	09/27/14	JLI	SW8260	
Methyl ethyl ketone	ND		32	4.6	ug/Kg	09/27/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND		11	1.5	ug/Kg	09/27/14	JLI	SW8260	
Methylacetate	ND		5.3	5.3	ug/Kg	09/27/14	JLI	SW8260	
Methylcyclohexane	ND		5.3	5.3	ug/Kg	09/27/14	JLI	SW8260	
Methylene chloride	1.1	JS	5.3	0.87	ug/Kg	09/27/14	JLI	SW8260	
o-Xylene	ND		5.3	2.0	ug/Kg	09/27/14	JLI	SW8260	
Styrene	ND		5.3	1.5	ug/Kg	09/27/14	JLI	SW8260	
tert-butyl alcohol	ND		110	110	ug/Kg	09/27/14	JLI	SW8260	
Tetrachloroethene	ND		5.3	1.1	ug/Kg	09/27/14	JLI	SW8260	
Toluene	ND		5.3	0.84	ug/Kg	09/27/14	JLI	SW8260	
Total Xylenes	ND		5.3	5.3	ug/Kg	09/27/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND		5.3	1.1	ug/Kg	09/27/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND		5.3	1.1	ug/Kg	09/27/14	JLI	SW8260	
Trichloroethene	ND		5.3	1.1	ug/Kg	09/27/14	JLI	SW8260	
Trichlorofluoromethane	ND		5.3	1.2	ug/Kg	09/27/14	JLI	SW8260	
Trichlorotrifluoroethane	ND		5.3	0.83	ug/Kg	09/27/14	JLI	SW8260	
Vinyl chloride	ND		5.3	1.7	ug/Kg	09/27/14	JLI	SW8260	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	100				%	09/27/14	JLI	70 - 130 %	
% Bromofluorobenzene	91				%	09/27/14	JLI	70 - 130 %	
% Dibromofluoromethane	103				%	09/27/14	JLI	70 - 130 %	
% Toluene-d8	92				%	09/27/14	JLI	70 - 130 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND		21	1.1	ug/Kg	09/27/14	JLI	SW8260	
Acrolein	ND		21	4.2	ug/Kg	09/27/14	JLI	SW8260	
Acrylonitrile	ND		21	3.0	ug/Kg	09/27/14	JLI	SW8260	
Tert-butyl alcohol	ND		110	110	ug/Kg	09/27/14	JLI	SW8260	
Vinyl Acetate	ND		53	53	ug/Kg	09/27/14	JLI	SW8260TIC	1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

100% Solid Assumed

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
October 03, 2014
Reviewed and Released by: Bobbi Aloisa, Vice President

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

Analysis Report

October 03, 2014

FOR: Attn: Mr Jeff Bogoian
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		09/26/14	9:00
Location Code:	IMPACT	Received by:	SW	09/26/14	18:53
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH20207
Phoenix ID: BH20213

Project ID: 325 E 25TH ST
Client ID: WC-3 FILL GRAB

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100				%	09/26/14	i	E160.3
1,4-dioxane								
1,4-dioxane	ND		100	100	ug/kg	09/27/14	JLI	SW8260B
Volatiles								
1,1,1,2-Tetrachloroethane	ND		6.1	1.2	ug/Kg	09/27/14	JLI	SW8260
1,1,1-Trichloroethane	ND		6.1	1.2	ug/Kg	09/27/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND		6.1	0.87	ug/Kg	09/27/14	JLI	SW8260
1,1,2-Trichloroethane	ND		6.1	0.60	ug/Kg	09/27/14	JLI	SW8260
1,1-Dichloroethane	ND		6.1	1.2	ug/Kg	09/27/14	JLI	SW8260
1,1-Dichloroethene	ND		6.1	1.3	ug/Kg	09/27/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND		250	34	ug/Kg	09/28/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND		250	30	ug/Kg	09/28/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND		80	67	ug/Kg	09/28/14	JLI	SW8260
1,2-Dibromoethane	ND		6.1	1.6	ug/Kg	09/27/14	JLI	SW8260
1,2-Dichlorobenzene	ND		250	28	ug/Kg	09/28/14	JLI	SW8260
1,2-Dichloroethane	ND		6.1	0.54	ug/Kg	09/27/14	JLI	SW8260
1,2-Dichloropropane	ND		6.1	0.87	ug/Kg	09/27/14	JLI	SW8260
1,3-Dichlorobenzene	ND		250	37	ug/Kg	09/28/14	JLI	SW8260
1,4-Dichlorobenzene	ND		250	40	ug/Kg	09/28/14	JLI	SW8260
2-Hexanone	ND		31	2.7	ug/Kg	09/27/14	JLI	SW8260
4-Methyl-2-pentanone	ND		31	1.5	ug/Kg	09/27/14	JLI	SW8260
Acetone	92	S	61	6.1	ug/Kg	09/27/14	JLI	SW8260
Acrolein	ND		31	4.9	ug/Kg	09/27/14	JLI	SW8260
Acrylonitrile	ND		12	3.4	ug/Kg	09/27/14	JLI	SW8260
Benzene	ND		6.1	1.2	ug/Kg	09/27/14	JLI	SW8260
Bromochloromethane	ND		6.1	0.89	ug/Kg	09/27/14	JLI	SW8260

Project ID: 325 E 25TH ST
Client ID: WC-3 FILL GRAB

Phoenix I.D.: BH20213

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Bromodichloromethane	ND		6.1	0.76	ug/Kg	09/27/14	JLI	SW8260	
Bromoform	ND		6.1	0.85	ug/Kg	09/27/14	JLI	SW8260	
Bromomethane	ND		6.1	4.7	ug/Kg	09/27/14	JLI	SW8260	
Carbon Disulfide	30		6.1	0.99	ug/Kg	09/27/14	JLI	SW8260	
Carbon tetrachloride	ND		6.1	0.71	ug/Kg	09/27/14	JLI	SW8260	
Chlorobenzene	ND		6.1	0.90	ug/Kg	09/27/14	JLI	SW8260	
Chloroethane	ND		6.1	1.4	ug/Kg	09/27/14	JLI	SW8260	
Chloroform	ND		6.1	1.1	ug/Kg	09/27/14	JLI	SW8260	
Chloromethane	ND		6.1	3.2	ug/Kg	09/27/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND		6.1	1.3	ug/Kg	09/27/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND		6.1	0.66	ug/Kg	09/27/14	JLI	SW8260	
Cyclohexane	ND		6.1	6.1	ug/Kg	09/27/14	JLI	SW8260	
Dibromochloromethane	ND		6.1	0.68	ug/Kg	09/27/14	JLI	SW8260	
Dichlorodifluoromethane	ND		6.1	1.6	ug/Kg	09/27/14	JLI	SW8260	
Ethylbenzene	ND		6.1	1.1	ug/Kg	09/27/14	JLI	SW8260	
Isopropylbenzene	ND		250	48	ug/Kg	09/28/14	JLI	SW8260	
m&p-Xylene	2.6	J	6.1	2.4	ug/Kg	09/27/14	JLI	SW8260	
Methyl ethyl ketone	ND		37	5.3	ug/Kg	09/27/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND		12	1.7	ug/Kg	09/27/14	JLI	SW8260	
Methylacetate	ND		6.1	6.1	ug/Kg	09/27/14	JLI	SW8260	
Methylcyclohexane	ND		6.1	6.1	ug/Kg	09/27/14	JLI	SW8260	
Methylene chloride	1.6	JS	6.1	1.0	ug/Kg	09/27/14	JLI	SW8260	
o-Xylene	ND		6.1	2.3	ug/Kg	09/27/14	JLI	SW8260	
Styrene	ND		6.1	1.8	ug/Kg	09/27/14	JLI	SW8260	
tert-butyl alcohol	ND		120	120	ug/Kg	09/27/14	JLI	SW8260	
Tetrachloroethene	ND		6.1	1.3	ug/Kg	09/27/14	JLI	SW8260	
Toluene	ND		6.1	0.96	ug/Kg	09/27/14	JLI	SW8260	
Total Xylenes	ND		6.1	6.1	ug/Kg	09/27/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND		6.1	1.2	ug/Kg	09/27/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND		6.1	1.2	ug/Kg	09/27/14	JLI	SW8260	
Trichloroethene	ND		6.1	1.3	ug/Kg	09/27/14	JLI	SW8260	
Trichlorofluoromethane	ND		6.1	1.4	ug/Kg	09/27/14	JLI	SW8260	
Trichlorotrifluoroethane	ND		6.1	0.95	ug/Kg	09/27/14	JLI	SW8260	
Vinyl chloride	ND		6.1	2.0	ug/Kg	09/27/14	JLI	SW8260	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	98				%	09/28/14	JLI	70 - 130 %	
% Bromofluorobenzene	97				%	09/28/14	JLI	70 - 130 %	
% Dibromofluoromethane	30				%	09/27/14	JLI	70 - 130 %	3
% Toluene-d8	83				%	09/27/14	JLI	70 - 130 %	

Volatiles

1,1,1,2-Tetrachloroethane	ND		24	1.2	ug/Kg	09/27/14	JLI	SW8260	
Acrolein	ND		24	4.9	ug/Kg	09/27/14	JLI	SW8260	
Acrylonitrile	ND		24	3.4	ug/Kg	09/27/14	JLI	SW8260	
Tert-butyl alcohol	ND		120	120	ug/Kg	09/27/14	JLI	SW8260	
Vinyl Acetate	ND		61	61	ug/Kg	09/27/14	JLI	SW8260TIC	1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
3 = This parameter exceeds laboratory specified limits.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

100% Solid Assumed

Volatile Comment:
There was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the methanol preserved high level analysis which did not exhibit this interference.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller, Laboratory Director
October 03, 2014
Reviewed and Released by: Bobbi Aloisa, Vice President

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

October 03, 2014

FOR: Attn: Mr Jeff Bogoian
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		09/26/14	9:10
Location Code:	IMPACT	Received by:	SW	09/26/14	18:53
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH20207
Phoenix ID: BH20214

Project ID: 325 E 25TH ST
Client ID: WC-3 NATIVE GRAB

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	09/26/14	i	E160.3
1,4-dioxane							
1,4-dioxane	ND	100	100	ug/kg	09/27/14	JLI	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.3	1.1	ug/Kg	09/27/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.3	1.1	ug/Kg	09/27/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.3	0.75	ug/Kg	09/27/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.3	0.52	ug/Kg	09/27/14	JLI	SW8260
1,1-Dichloroethane	ND	5.3	1.0	ug/Kg	09/27/14	JLI	SW8260
1,1-Dichloroethene	ND	5.3	1.2	ug/Kg	09/27/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	5.3	0.71	ug/Kg	09/27/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	5.3	0.63	ug/Kg	09/27/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	5.3	1.4	ug/Kg	09/27/14	JLI	SW8260
1,2-Dibromoethane	ND	5.3	1.4	ug/Kg	09/27/14	JLI	SW8260
1,2-Dichlorobenzene	ND	5.3	0.58	ug/Kg	09/27/14	JLI	SW8260
1,2-Dichloroethane	ND	5.3	0.47	ug/Kg	09/27/14	JLI	SW8260
1,2-Dichloropropane	ND	5.3	0.75	ug/Kg	09/27/14	JLI	SW8260
1,3-Dichlorobenzene	ND	5.3	0.78	ug/Kg	09/27/14	JLI	SW8260
1,4-Dichlorobenzene	ND	5.3	0.84	ug/Kg	09/27/14	JLI	SW8260
2-Hexanone	ND	27	2.4	ug/Kg	09/27/14	JLI	SW8260
4-Methyl-2-pentanone	ND	27	1.3	ug/Kg	09/27/14	JLI	SW8260
Acetone	ND	50	5.3	ug/Kg	09/27/14	JLI	SW8260
Acrolein	ND	27	4.2	ug/Kg	09/27/14	JLI	SW8260
Acrylonitrile	ND	11	3.0	ug/Kg	09/27/14	JLI	SW8260
Benzene	ND	5.3	1.0	ug/Kg	09/27/14	JLI	SW8260
Bromochloromethane	ND	5.3	0.77	ug/Kg	09/27/14	JLI	SW8260

Project ID: 325 E 25TH ST
Client ID: WC-3 NATIVE GRAB

Phoenix I.D.: BH20214

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Bromodichloromethane	ND		5.3	0.66	ug/Kg	09/27/14	JLI	SW8260	
Bromoform	ND		5.3	0.74	ug/Kg	09/27/14	JLI	SW8260	
Bromomethane	ND		5.3	4.1	ug/Kg	09/27/14	JLI	SW8260	
Carbon Disulfide	ND		5.3	0.86	ug/Kg	09/27/14	JLI	SW8260	
Carbon tetrachloride	ND		5.3	0.61	ug/Kg	09/27/14	JLI	SW8260	
Chlorobenzene	ND		5.3	0.78	ug/Kg	09/27/14	JLI	SW8260	
Chloroethane	ND		5.3	1.2	ug/Kg	09/27/14	JLI	SW8260	
Chloroform	ND		5.3	0.96	ug/Kg	09/27/14	JLI	SW8260	
Chloromethane	ND		5.3	2.8	ug/Kg	09/27/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND		5.3	1.2	ug/Kg	09/27/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND		5.3	0.57	ug/Kg	09/27/14	JLI	SW8260	
Cyclohexane	ND		5.3	5.3	ug/Kg	09/27/14	JLI	SW8260	
Dibromochloromethane	ND		5.3	0.59	ug/Kg	09/27/14	JLI	SW8260	
Dichlorodifluoromethane	ND		5.3	1.4	ug/Kg	09/27/14	JLI	SW8260	
Ethylbenzene	ND		5.3	0.96	ug/Kg	09/27/14	JLI	SW8260	
Isopropylbenzene	ND		5.3	1.0	ug/Kg	09/27/14	JLI	SW8260	
m&p-Xylene	ND		5.3	2.1	ug/Kg	09/27/14	JLI	SW8260	
Methyl ethyl ketone	ND		32	4.6	ug/Kg	09/27/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND		11	1.5	ug/Kg	09/27/14	JLI	SW8260	
Methylacetate	ND		5.3	5.3	ug/Kg	09/27/14	JLI	SW8260	
Methylcyclohexane	ND		5.3	5.3	ug/Kg	09/27/14	JLI	SW8260	
Methylene chloride	1.2	JS	5.3	0.87	ug/Kg	09/27/14	JLI	SW8260	
o-Xylene	ND		5.3	2.0	ug/Kg	09/27/14	JLI	SW8260	
Styrene	ND		5.3	1.5	ug/Kg	09/27/14	JLI	SW8260	
tert-butyl alcohol	ND		110	110	ug/Kg	09/27/14	JLI	SW8260	
Tetrachloroethene	ND		5.3	1.1	ug/Kg	09/27/14	JLI	SW8260	
Toluene	ND		5.3	0.84	ug/Kg	09/27/14	JLI	SW8260	
Total Xylenes	ND		5.3	5.3	ug/Kg	09/27/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND		5.3	1.1	ug/Kg	09/27/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND		5.3	1.1	ug/Kg	09/27/14	JLI	SW8260	
Trichloroethene	ND		5.3	1.1	ug/Kg	09/27/14	JLI	SW8260	
Trichlorofluoromethane	ND		5.3	1.2	ug/Kg	09/27/14	JLI	SW8260	
Trichlorotrifluoroethane	ND		5.3	0.83	ug/Kg	09/27/14	JLI	SW8260	
Vinyl chloride	ND		5.3	1.7	ug/Kg	09/27/14	JLI	SW8260	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	98				%	09/27/14	JLI	70 - 130 %	
% Bromofluorobenzene	97				%	09/27/14	JLI	70 - 130 %	
% Dibromofluoromethane	100				%	09/27/14	JLI	70 - 130 %	
% Toluene-d8	94				%	09/27/14	JLI	70 - 130 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND		21	1.1	ug/Kg	09/27/14	JLI	SW8260	
Acrolein	ND		21	4.2	ug/Kg	09/27/14	JLI	SW8260	
Acrylonitrile	ND		21	3.0	ug/Kg	09/27/14	JLI	SW8260	
Tert-butyl alcohol	ND		110	110	ug/Kg	09/27/14	JLI	SW8260	
Vinyl Acetate	ND		53	53	ug/Kg	09/27/14	JLI	SW8260TIC	1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

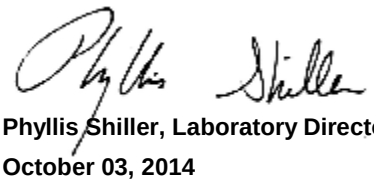
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

100% Solid Assumed

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director
October 03, 2014
Reviewed and Released by: Bobbi Aloisa, Vice President

Sample Criteria Exceedences Report

GBH20207 - IMPACT

Criteria: NJ: RC; NY: 375

State: NJ

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BH20207	$DPSVNJ_TCL	N-Nitrosodimethylamine	NJ / Soil Remediation Standard / Res. Direct Contact	ND	2600	700	700	ug/Kg
BH20207	$DPSVNJ_TCL	1,2-Diphenylhydrazine	NJ / Soil Remediation Standard / Res. Direct Contact	ND	3700	700	700	ug/Kg
BH20207	$DPSVNJ_TCL	Phenanthrene	NJ / Soil Remediation Standard / Res. Direct Contact	47000	1500		200	ug/Kg
BH20207	$DPSVNJ_TCL	N-Nitrosodi-n-propylamine	NJ / Soil Remediation Standard / Res. Direct Contact	ND	1500	200	200	ug/Kg
BH20207	$DPSVNJ_TCL	Indeno(1,2,3-cd)pyrene	NJ / Soil Remediation Standard / Res. Direct Contact	8500	2600	600	200	ug/Kg
BH20207	$DPSVNJ_TCL	Hexachlorobenzene	NJ / Soil Remediation Standard / Res. Direct Contact	ND	1500	300	200	ug/Kg
BH20207	$DPSVNJ_TCL	Dibenz(a,h)anthracene	NJ / Soil Remediation Standard / Res. Direct Contact	ND	1500	200	200	ug/Kg
BH20207	$DPSVNJ_TCL	Bis(2-chloroethyl)ether	NJ / Soil Remediation Standard / Res. Direct Contact	ND	1500	400	200	ug/Kg
BH20207	$DPSVNJ_TCL	Benzo(k)fluoranthene	NJ / Soil Remediation Standard / Res. Direct Contact	7400	2600	6000	200	ug/Kg
BH20207	$DPSVNJ_TCL	Benzo(b)fluoranthene	NJ / Soil Remediation Standard / Res. Direct Contact	25000	2600	600	200	ug/Kg
BH20207	$DPSVNJ_TCL	Acenaphthylene	NJ / Soil Remediation Standard / Res. Direct Contact	3200	1500		200	ug/Kg
BH20207	$DPSVNJ_TCL	Benzo(a)pyrene	NJ / Soil Remediation Standard / Res. Direct Contact	19000	1500	200	200	ug/Kg
BH20207	$DPSVNJ_TCL	2,6-Dinitrotoluene	NJ / Soil Remediation Standard / Res. Direct Contact	ND	1500	700	200	ug/Kg
BH20207	$DPSVNJ_TCL	2,4-Dinitrotoluene	NJ / Soil Remediation Standard / Res. Direct Contact	ND	1500	700	200	ug/Kg
BH20207	$DPSVNJ_TCL	3,3'-Dichlorobenzidine	NJ / Soil Remediation Standard / Res. Direct Contact	ND	1500	1000	200	ug/Kg
BH20207	$DPSVNJ_TCL	Acetophenone	NJ / Soil Remediation Standard / Res. Direct Contact	ND	2600	2000	200	ug/Kg
BH20207	$DPSVNJ_TCL	Benz(a)anthracene	NJ / Soil Remediation Standard / Res. Direct Contact	21000	2600	600	200	ug/Kg
BH20207	$DPSVNJ_TCL	Benzidine	NJ / Soil Remediation Standard / Res. Direct Contact	ND	5500	700	700	ug/Kg
BH20207	$DPSVNJ_TCL	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	19000	2600	1000	1000	ug/Kg
BH20207	$DPSVNJ_TCL	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	7400	2600	800	800	ug/Kg
BH20207	$DPSVNJ_TCL	Phenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2600	330	330	ug/Kg
BH20207	$DPSVNJ_TCL	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	21000	2600	1000	1000	ug/Kg
BH20207	$DPSVNJ_TCL	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	25000	2600	1000	1000	ug/Kg
BH20207	$DPSVNJ_TCL	2-Methylphenol (o-cresol)	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2600	330	330	ug/Kg
BH20207	$DPSVNJ_TCL	Pentachlorophenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2600	800	800	ug/Kg
BH20207	$DPSVNJ_TCL	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	19000	1500	1000	1000	ug/Kg
BH20207	$DPSVNJ_TCL	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	8500	2600	500	500	ug/Kg
BH20207	$DPSVNJ_TCL	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1500	330	330	ug/Kg
BH20207	$PESTSMDPR	Toxaphene	NJ / Soil Remediation Standard / Res. Direct Contact	ND	890	600	200	ug/Kg
BH20207	$PESTSMDPR	Dieldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	8.9	5	5	ug/Kg
BH20207	$PESTSMDPR	Endrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	18	14	14	ug/Kg
BH20207	$PESTSMDPR	Aldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	40	5	5	ug/Kg
BH20207	$PESTSMDPR	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	50	3.3	3.3	ug/Kg
BH20207	$PESTSMDPR	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	30	3.3	3.3	ug/Kg
BH20207	$PESTSMDPR	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	13	3.3	3.3	ug/Kg
BH20207	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	65.8	0.34	50	50	mg/kg
BH20207	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.49	0.06	0.18	0.18	mg/Kg
BH20207	PB-SMDP	Lead	NJ / Soil Remediation Standard / Res. Direct Contact	435	6.8	400	1	mg/Kg
BH20207	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	435	6.8	63	63	mg/Kg
BH20207	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	282	6.8	109	109	mg/Kg
BH20208	$DPSVNJ_TCL	Acetophenone	NJ / Soil Remediation Standard / Res. Direct Contact	ND	2700	2000	200	ug/Kg

Sample Criteria Exceedences Report

GBH20207 - IMPACT

Criteria: NJ: RC; NY: 375

State: NJ

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BH20208	$DPSVNJ_TCL	1,2-Diphenylhydrazine	NJ / Soil Remediation Standard / Res. Direct Contact	ND	3800	700	700	ug/Kg
BH20208	$DPSVNJ_TCL	2,4-Dinitrotoluene	NJ / Soil Remediation Standard / Res. Direct Contact	ND	1500	700	200	ug/Kg
BH20208	$DPSVNJ_TCL	2,6-Dinitrotoluene	NJ / Soil Remediation Standard / Res. Direct Contact	ND	1500	700	200	ug/Kg
BH20208	$DPSVNJ_TCL	3,3'-Dichlorobenzidine	NJ / Soil Remediation Standard / Res. Direct Contact	ND	1500	1000	200	ug/Kg
BH20208	$DPSVNJ_TCL	Benz(a)anthracene	NJ / Soil Remediation Standard / Res. Direct Contact	14000	2700	600	200	ug/Kg
BH20208	$DPSVNJ_TCL	Dibenz(a,h)anthracene	NJ / Soil Remediation Standard / Res. Direct Contact	ND	1500	200	200	ug/Kg
BH20208	$DPSVNJ_TCL	Phenanthrene	NJ / Soil Remediation Standard / Res. Direct Contact	18000	1500		200	ug/Kg
BH20208	$DPSVNJ_TCL	N-Nitrosodi-n-propylamine	NJ / Soil Remediation Standard / Res. Direct Contact	ND	1500	200	200	ug/Kg
BH20208	$DPSVNJ_TCL	N-Nitrosodimethylamine	NJ / Soil Remediation Standard / Res. Direct Contact	ND	2700	700	700	ug/Kg
BH20208	$DPSVNJ_TCL	Indeno(1,2,3-cd)pyrene	NJ / Soil Remediation Standard / Res. Direct Contact	5600	2700	600	200	ug/Kg
BH20208	$DPSVNJ_TCL	Acenaphthylene	NJ / Soil Remediation Standard / Res. Direct Contact	ND	1500		200	ug/Kg
BH20208	$DPSVNJ_TCL	Hexachlorobenzene	NJ / Soil Remediation Standard / Res. Direct Contact	ND	1500	300	200	ug/Kg
BH20208	$DPSVNJ_TCL	Bis(2-chloroethyl)ether	NJ / Soil Remediation Standard / Res. Direct Contact	ND	1500	400	200	ug/Kg
BH20208	$DPSVNJ_TCL	Benzo(a)pyrene	NJ / Soil Remediation Standard / Res. Direct Contact	11000	1500	200	200	ug/Kg
BH20208	$DPSVNJ_TCL	Benzidine	NJ / Soil Remediation Standard / Res. Direct Contact	ND	5700	700	700	ug/Kg
BH20208	$DPSVNJ_TCL	Benzo(b)fluoranthene	NJ / Soil Remediation Standard / Res. Direct Contact	13000	2700	600	200	ug/Kg
BH20208	$DPSVNJ_TCL	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	12000	2700	1000	1000	ug/Kg
BH20208	$DPSVNJ_TCL	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	11000	1500	1000	1000	ug/Kg
BH20208	$DPSVNJ_TCL	2-Methylphenol (o-cresol)	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2700	330	330	ug/Kg
BH20208	$DPSVNJ_TCL	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	4500	2700	800	800	ug/Kg
BH20208	$DPSVNJ_TCL	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	13000	2700	1000	1000	ug/Kg
BH20208	$DPSVNJ_TCL	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1500	330	330	ug/Kg
BH20208	$DPSVNJ_TCL	Pentachlorophenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2700	800	800	ug/Kg
BH20208	$DPSVNJ_TCL	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	14000	2700	1000	1000	ug/Kg
BH20208	$DPSVNJ_TCL	Phenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2700	330	330	ug/Kg
BH20208	$DPSVNJ_TCL	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	5600	2700	500	500	ug/Kg
BH20208	$PESTSMDPR	Dieldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	8.0	5	5	ug/Kg
BH20208	$PESTSMDPR	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	40	2.7	3.3	3.3	ug/Kg
BH20208	$PESTSMDPR	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	42	2.7	3.3	3.3	ug/Kg
BH20208	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.23	0.07	0.18	0.18	mg/Kg
BH20208	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	193	7.1	63	63	mg/Kg
BH20208	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	175	7.1	109	109	mg/Kg
BH20209	$DPSVNJ_TCL	Indeno(1,2,3-cd)pyrene	NJ / Soil Remediation Standard / Res. Direct Contact	1300	260	600	200	ug/Kg
BH20209	$DPSVNJ_TCL	Benz(a)anthracene	NJ / Soil Remediation Standard / Res. Direct Contact	3500	260	600	200	ug/Kg
BH20209	$DPSVNJ_TCL	Benzo(a)pyrene	NJ / Soil Remediation Standard / Res. Direct Contact	3400	150	200	200	ug/Kg
BH20209	$DPSVNJ_TCL	Benzo(b)fluoranthene	NJ / Soil Remediation Standard / Res. Direct Contact	4700	260	600	200	ug/Kg
BH20209	$DPSVNJ_TCL	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1300	260	500	500	ug/Kg
BH20209	$DPSVNJ_TCL	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3400	260	1000	1000	ug/Kg
BH20209	$DPSVNJ_TCL	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1100	260	800	800	ug/Kg
BH20209	$DPSVNJ_TCL	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	4700	260	1000	1000	ug/Kg
BH20209	$DPSVNJ_TCL	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3400	150	1000	1000	ug/Kg

Sample Criteria Exceedences Report

GBH20207 - IMPACT

Criteria: NJ: RC; NY: 375

State: NJ

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BH20209	$DPSVNJ_TCL	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3500	260	1000	1000	ug/Kg
BH20209	$PESTSMDPR	Chlordane	NJ / Soil Remediation Standard / Res. Direct Contact	290	36	200	2	ug/Kg
BH20209	$PESTSMDPR	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	75	2.6	3.3	3.3	ug/Kg
BH20209	$PESTSMDPR	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	290	13	3.3	3.3	ug/Kg
BH20209	$PESTSMDPR	Dieldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	10	5	5	ug/Kg
BH20209	$PESTSMDPR	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	6.0	3.3	3.3	ug/Kg
BH20209	BA-SMDP	Barium	NY / 375-6.8 Metals / Unrestricted Use Soil	570	0.7	350	350	mg/Kg
BH20209	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.39	0.07	0.18	0.18	mg/Kg
BH20209	PB-SMDP	Lead	NJ / Soil Remediation Standard / Res. Direct Contact	438	7.4	400	1	mg/Kg
BH20209	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	438	7.4	63	63	mg/Kg
BH20209	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	388	7.4	109	109	mg/Kg
BH20213	$DPVOA_NJTC	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	92	61	50	50	ug/Kg

CHAIN OF CUSTODY

IMPACT ENVIRONMENTAL
170 Keyland Court, Bohemia, New York 11716
(Tel.) 631-269-8800 (Fax) 631-269-1599

Page 1 *of* 1

LAB NAME:

RECEIVED DATE:

Client Information

Company Name: Impact Environmental
Address: 170 Keyland Court
City: Bohemia
Project Contact:
Phone #: 631-269-8800 **Fax #:** 631-269-1599
E-mail:

Project Information

Project Name: 325 E 25TH ST
Street: 325 E 25TH ST
City: NEW YORK **State:** NY **Zip:**
Project #: 7442
Sampler's Name: DGE FN
Sampler's Signature:

Sample Information / Sample Collection / Sample Containers / Analytical Information

LAB SAMPLE # (LAB USE ONLY)	Sample ID	IEC Project Code	Matrix Code	Sample Type	Sample Date	Time	Total # of bottles	NONE or OTHER*	ICE	HCL	Methanol (USEPA 5035)	Sodium Bisulfate (EPA 5035)	Impact Analytical Package A*	Impact Analytical Package B**	Impact Analytical Package C***	VOC 8260 (Analyte List for NY Part 375 and NJ NRDCC)	GP82 Analysis	VOCs 8260 (CP51 Analite List)						
	1 WC-1 FILL		SC	C	9/26/14	8:30	4						X	X	X									20207
	2 WC-2 FILL					7:30	4						X											20208
	3 WC-3 FILL					9:00	3						X											20209
	4 WC-3 NATIVE					9:10	3						X											20210
	5 WC-1 FILL GRAB		SG	G		8:30	2 EnCores									X								20211
	6 WC-2 FILL GRAB					7:30																		20212
	7 WC-3 FILL GRAB					9:00																		20213
	8 WC-3 NATIVE GRAB					9:10																		20214
	9																							
	10																							

Matrix Codes: L - Liquid; S - Soil; A - Air; OL - Oil; W - Wipe; PC - Paint Chips; SL - Sludge; SD - Solid; DW- Drinking Water; DISS - Dissolved

Sample Type: G=Grab; C=Composite; B=Blank

(LAB USE ONLY)

Turnaround Time (Business Days)

Standard Service
- [ ] Standard - 5 day
- [ ] Standard - 4 day
- [x] Standard - 3 day

Rush Service
- [ ] 48 Hour *RUSH*
- [ ] 24 Hour *RUSH*

(LAB USE ONLY)
TAT Approved By / Date:

Data Deliverable Information

- [ ] Results Only (Level-1)
- [ ] Results plus Misc. QC (Level-2)
- [ ] Results plus ALL QC (Level-3)
- [ ] PA QC Package
- [x] NJ QC Package (Level3NJ)
- [ ] CLP Category A (Level-2)
- [ ] CLP Category B (Level-4)
- [ ] ASP QC Package (Level-4)
- [ ] Other
- [ ] EDD Format

(EDD Formats: Excel, pdf, EQUIS, GIS, GISKey, SPDES, Ascii, TAGM, OENJ)

REFERENCES

*Package A (proprietary) - Priority Pollutants Metals, SVOCs, PCB/Pest and Herbicides - to match all NJ DCSRS & NY Part 375 parameters and dectection limits. **Package B (proprietary)-Same as Package A, plus TCLP Metals & TPH. ***Package C (proprietary)-Same as Package B plus RCRA characteristics and Full TCLP

NOTES/COMMENTS:

Sample custody must be documented below, each time samples change possession, with a signature, date, and time.

Relinquished by Sampler:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1	9/26/14 13:15	1	2	2	2
Relinquished by: 3	Date / Time: 3	Received By: 3	Relinquished By: 4	Date / Time: 4 9/26/14	Received By: 4 1863
Relinquished by: 5	Date / Time: 5	Received By: 5			

COOLER INFORMATION

Cooler Temp:_____ pH:_____ ☐ On Ice ☐ Sample Receipt Discrepancy(attach Information)

Form SS-2/Nov. 2013

14 Brick Kiln Court
Northampton, PA 18067
Ph: (484) 275-6900
Fax: (484) 275-6970
www.ewmi.com

Monadnock Construction, Inc.
155-3rd Street
Brooklyn, NY 11231

Site Address:
325 East 25th Street
Manhattan, NY
Project # 108829

Excavation Depth Management Certification

By signing below, I certify that the site layout grid at 325 East 25th Street, Manhattan, NY has been laid out accurately to reflect the Color Coded Disposal Facility Maps attached to this letter. I am responsible for maintaining this grid throughout the life of this project and for accurately tracking and advising EWMI personnel of the depths that materials are being excavated from.

Attachments to this certification include:

1. Elevation Disposal Map
   Monadnock Construction, Inc. – 325 East 25th Street
   Prepared by: Environmental Waste Minimization, Inc.
   Dated: 11/11/2014

2. Color Coded Disposal Facility Map
   325 East 25th Street
   Prepared by: Environmental Waste Minimization, Inc.
   Dated: 09/24/2014

Name	*Signature*	*Company*	*Date*

Monadnock Construction, Inc. - 325 East 25th Street, Manhattan, NY **Date: 11/11/2014**

Elevation Disposal Map

Depth

(Below Grade Surface; bgs)

Site Dimensions: ~93' x 100'

0	**GRID 1 (WC-1A; WC-1B)** **(0-8')** ***Bayshore Soil Management, LLC.***	**GRID 2 (WC-2A; WC-2B)** **(0-8')** ***Palmerton, PA [PA Regulated]***	**GRID 3 (WC-3A; WC-3B)** **(0-8')** ***Palmerton, PA [PA Regulated]***
1			
2			
3			
4			
5			
6			
7			
8	**GRID 3 (WC-3A; WC-3B)** **(8'-12')** ***Lyndhurst, NJ [NJ RES] or Prospect Park, NJ [NJ RES]***		
9			
10			
11			
12			

Approximate Tonnage:

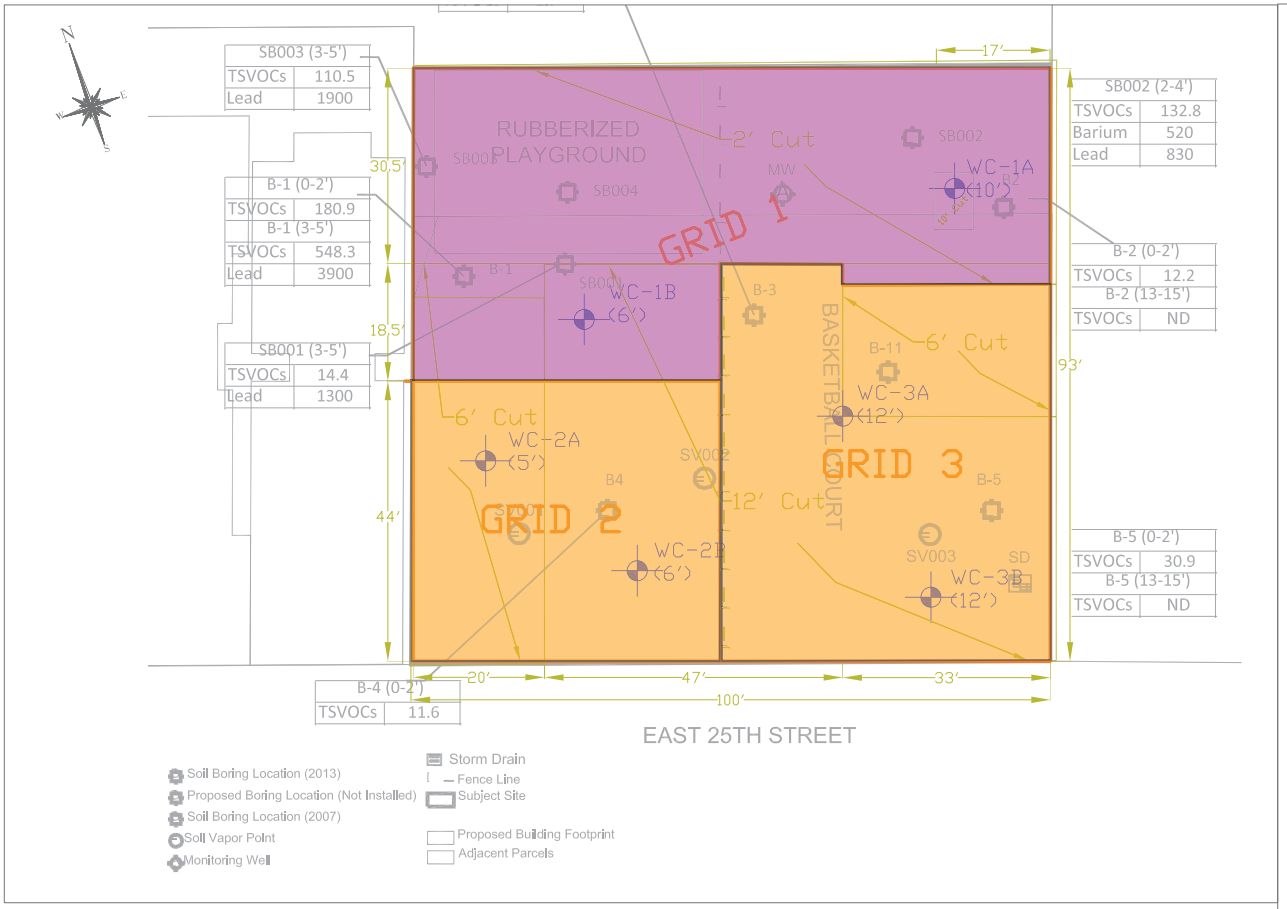
1,000	Bayshore
2,000	Palmerton, PA
750	Lyndhurst or PPark

3,750 **Total Approximate Tonnage**

Moisture < 15%; No Wood, metal, or MSW; Brick/Block/Concrete sized <1ft and <10% of load; Clay <10%; Ppark material free of petroleum

Environmental Waste Minimization, Inc.

EWMI



Sampling Protocol

The proposed development will involve the excavation of the north one third of the site to 2 feet below surface (fbs), southwestern portion and center east portion of the site to 6 fbs, and the southern portion to 12 fbs. A total of 4 soil sample sets is proposed to be collected to represent approximately 2,230 cubic yards of surplus soil to be excavated. The designated sampling frequency is approximately one per 550 cubic yards.

The site is split into 3 waste characterization grids to conform the excavation plan, subsurface geology condition and chemical quality of the surplus material. In each of the grid, two soil borings will be advanced to the corresponding proposed excavation depth or the surface of the bedrock. The proposed boring depths is indicated on the Sampling Plan map. GeoProbe direct push drilling rig will be utilized for boring advancement. The specific boring locations might be changed based on accessibility and field conditions.

In Grid 1 and Grid 2, one sample set will be collected throughout the borings from 0 to the corresponding excavation depth or the bedrock surface. In Grid 3, two sample sets will be collected within depth interval of 0 to 8 fbs and 8 to 12 fbs, respectively. Specifically for the pit excavation area in the northeastern portion of Grid 1, native soil ranges from approximately 8 to 12 fbs will be mixed with the native soil in the two borings in Grid 3 to make one composite sample for characterizing the native material. The corresponding sample IDs are identified in the Waste Characterization Sample Identification Table.

Each of the sample set will consist of one five-plont composite sample and one discrete sample. Each of the discrete sample shall be screened with a portable photo-ionization detector (PID) meter. The discrete sample that yields the highest PID reading is to be containerized by EnCore 5-gram samplers and analyzed for Volatile Organic Compounds (VOCs) by USEPA Method 8260. A portion of this grab sample will be mixed with the balance of the discrete samples to create the composite sample. The analytes of the composite sample is indicated in the Waste Characterization Sample Identification Table.

Waste Characterization Samples Identification Table

Grid	Volume (CYD)	Depth (fbg)	Material Characterization	Boring Location	Sample ID		Analysis
					Composite ID	Grab ID	
1	431	(0-2 or 6)	Fill	WC-1 A, WC-1B	WC-1 Fill	WC-1 Grab	Package B**
2	500	(0-6)	Fill	WC-2A, WC-2B	WC-2 Fill	WC-2 Grab	Package A*
1 & 2	TBD	Below 6	Bedrock	N/A	N/A		N/A
3	926	(0-8)	Fill	WC-3A, WC-3B	WC-3 Fill	WC-3 Fill Grab	Package A*
1&3	373	(8-12)	Native Silt	WC-1A, WC-3A, WC-3B	WC-1&3 Native	WC-1&3 Native Grab	Package A*
Total	2,230						

Note: *Package A includes: Volatiles (8260 C), Semi Volatiles (8270 D), TAL Metals (6010C), Pesticides (8081B), PCB's (8082 A) and Herbicides (8151A).
**Package B is a package A PLUS a TCLP RCRA 8 (1311/6010C) metals and TPH (8015C).

Legend

- Proposed Soil Boring Location (Proposed Depth Boring) (6')
- Waste Characterization Grid
- 10' Cut — Proposed Excavation Depth
- PA Regulated
- NJ Soil Burner

Surface Layer (0-8')

TITLE: Color Coded Disposal Facility Map

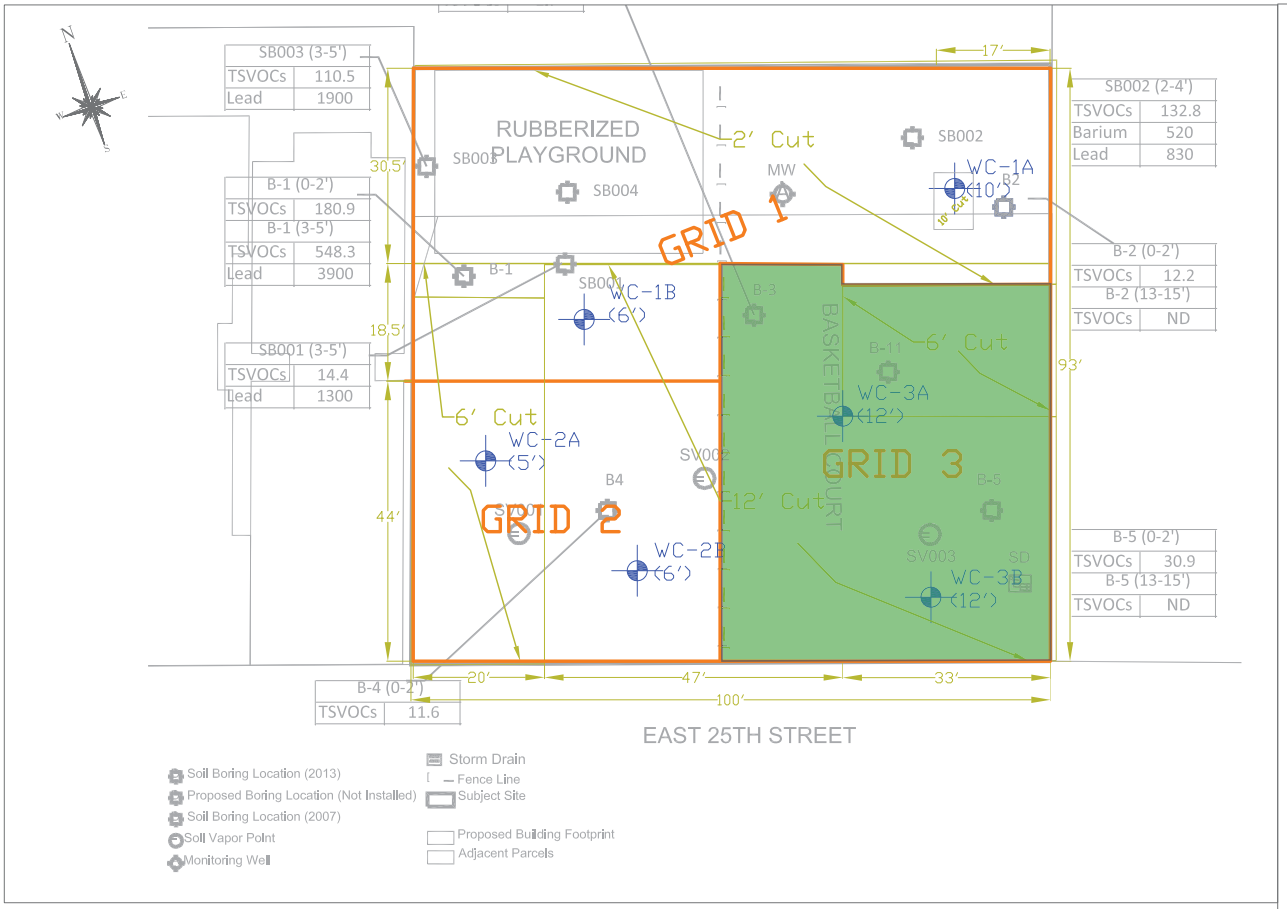
DRAWN BY:	DF
CHECKED BY:	DB
DATE:	9/24/2014
SCALE:	

PROJECT # 7542

PLATE # 01

325 East 25th Street, New York, NY (Block 931, Lot 17)

Environmental Waste Minimization, Inc. EWMI



Sampling Protocol

The proposed development will involve the excavation of the north one third of the site to 2 feet below surface (fbs), southwestern portion and center east portion of the site to 6 fbs, and the southern portion to 12 fbs. A total of 4 soil sample sets is proposed to be collected to represent approximately 2,230 cubic yards of surplus soil to be excavated. The designated sampling frequency is approximately one per 550 cubic yards.

The site is split into 3 waste characterization grids to conform the excavation plan, subsurface geology condition and chemical quality of the surplus material. In each of the grid, two soil borings will be advanced to the corresponding proposed excavation depth or the surface of the bedrock. The proposed boring depths is indicated on the Sampling Plan map. GeoProbe direct push drilling rig will be utilized for boring advancement. The specific boring locations might be changed based on accessibility and field conditions.

In Grid 1 and Grid 2, one sample set will be collected throughout the borings from 0 to the corresponding excavation depth or the bedrock surface. In Grid 3, two sample sets will be collected within depth interval of 0 to 8 fbs and 8 to 12 fbs, respectively. Specifically for the pit excavation area in the northeastern portion of Grid 1, native soil ranges from approximately 8 to 12 fbs will be mixed with the native soil in the two borings in Grid 3 to make one composite sample for characterizing the native material. The corresponding sample IDs are identified in the Waste Characterization Sample Identification Table.

Each of the sample set will consist of one five-point composite sample and one discrete sample. Each of the discrete sample shall be screened with a portable photo-ionization detector (PID) meter. The discrete sample that yields the highest PID reading is to be containerized by EnCore 5-gram samplers and analyzed for Volatile Organic Compounds (VOCs) by USEPA Method 8260. A portion of this grab sample will be mixed with the balance of the discrete samples to create the composite sample. The analytes of the composite sample is indicated in the Waste Characterization Sample Identification Table.

Waste Characterization Samples Identification Table

Grid	Volume (CYD)	Depth (fbg)	Material Characterization	Boring Location	Sample ID		Analysis
					Composite ID	Grab ID	
1	431	(0-2 or 6)	Fill	WC-1 A, WC-1B	WC-1 Fill	WC-1 Grab	Package B**
2	500	(0-6)	Fill	WC-2A, WC-2B	WC-2 Fill	WC-2 Grab	Package A*
1 & 2	TBD	Below 6	Bedrock	N/A	N/A		N/A
3	926	(0-8)	Fill	WC-3A, WC-3B	WC-3 Fill	WC-3 Fill Grab	Package A*
1&3	373	(8-12)	Native Silt	WC-1A, WC-3A, WC-3B	WC-1&3 Native	WC-1&3 Native Grab	Package A*
Total	2,230						

Note: *Package A includes: Volatiles (8260 C), Semi Volatiles (8270 D), TAL Metals (6010C), Pesticides (8081B), PCB's (8082 A) and Herbicides (8151A).
**Package B is a package A PLUS a TCLP RCRA 8 (1311/6010C) metals and TPH (8015C).

Legend

- Proposed Soil Boring Location (Proposed Depth Boring)
- Waste Characterization Grid
- 10' Cut — Proposed Excavation Depth
- NJ Res

Deeper Layer (8'-12')

TITLE: Color Coded Disposal Facility Map

DRAWN BY:	DF
CHECKED BY:	DB
DATE:	9/24/2014
SCALE:	

PROJECT # 7542

PLATE # 01

325 East 25th Street, New York, NY (Block 931, Lot 17)

Environmental Waste Minimization, Inc. EWMI

IMPACT ENVIRONMENTAL
170 Keyland Court| Bohemia| NY | 11716 | 631.269.8800
welcome to solid ground…
www.impactenvironmental.com

November 4, 2014

James Sherrier
Environmental Waste Minimization, Inc. (EWMI)
14 Brick Kiln Ct
Northhampton, PA

RE: IMP#7667 Phipps Plaza
325 East 25th Street, New York, NY
Approval

Dear Ms. Sherrier:

We have reviewed information regarding the material from the above referenced site ("site") proposed for acceptance at the Impact Recovery and Reuse Center ("IRRC") located at 1000 Page Avenue, Lyndhurst, NJ. The review included an evaluation of the following documents:

- 1. Waste Characterization Report dated October 3, 2014 prepared by Impact Environmental.
- 2. Remedial Investigation Report dated September 2013 prepared by P.W. Grosser and
- 3. Geotechnical Engineering Investigation Report dated March 2007 prepared by Pillori Associates

We understand that the site is underlain by a fill layer ranges from site surface to maximum of 12 feet below grade (fbg) comprised good amount of a mix of brick and block with incidental soils. Such materials are acceptable to the IRRC facility as Class B material contingent upon the material contains no more than 30% of soil.

The appropriate end-market facility for the soil byproducts for each of the site grids are as follows. The soil by-products acceptance is subject to the conditions outlined on the attached Palmerton Facility Approval Letter dated October 31, 2014.

Phase III Environmental, Palmerton, PA: **WC-2 FILL COMP, B-4 (0-2'), WC-3 FILL COMP, B-3 (0- 2') B-5 (0-2'), SD, WC-3 NATIVE COMP, WC-2 FILL GRAB, WC-3 FILL GRAB , WC-3 NATIVE GRAB.**

Keegen Landfill: **WC-1 FILL COMP, WC-1 FILL GRAB**

Additionally, the previous site subsurface investigation results indicate that a layer of native material presents beneath approximately 8 fbg in the southeastern portion of the site. The surplus native material observed on-site that is represented by the following sample ID is acceptable at IRRC as Clean Fill meeting NJ DCSRS.

WC-1 FILL COMP, WC-1 FILL GRAB

Receipt of all materials is subject to an inspection at the facility. The facility operates between 7:00 AM to 5:00 PM Monday through Friday and 7:00 AM to 3:00 PM on Saturday. Materials will be accepted and managed in accordance with our permit.

The following non-analytical factors will apply:

EXCLUDED MEDIA	TREATED & UNTREATED WOOD LIMITATION	SLAG/ASH/CINDER LIMITATION	MOISTURE CONTENT LIMITATION	PHOTO-IONIZATION DETECTOR LIMIT (PPM)	MATERIAL SIZE LIMIT
MSW, Wood, Vegetation, slag/ash/cinder	0%	0%	No Free Standing Liquid	0	12''

Please contact me for any further assistance in this matter.

Sincerely,

IMPACT ENVIRONMENTAL

Richard Parrish
President

IMPACT ENVIRONMENTAL
170 Keyland Court| Bohemia| NY | 11716 | 631.269.8800
welcome to solid ground… *www.impactenvironmental.com*

November 4, 2014

James Sherrier
Environmental Waste Minimization, Inc. (EWMI)
14 Brick Kiln Ct
Northhampton, PA

RE: IMP#7667 Phipps Plaza
325 East 25th Street, New York, NY
Approval

Dear Ms. Sherrier:

Impact Environmental Consulting, Inc. ("Impact") is the authorized environmental compliance engineer for the disposal facility at the former NJ Zinc site located at 1120 Mauch Chunk Road, Palmerton, PA. Impact Environmental reviews analytical data and site background information for site-specific sources to evaluate acceptance of materials into the facility in compliance with the facility permit (PADEP Permit #: WMGR096NE003).

Impact Environmental has reviewed information regarding material from the above referenced site ("site"). The review included an evaluation of the following documents:

- 1. Waste Characterization Report dated October 3, 2014 prepared by Impact Environmental.
- 2. Remedial Investigation Report dated September 2013 prepared by P.W. Grosser and
- 3. Geotechnical Engineering Investigation Report dated March 2007 prepared by Pillori Associates

The analytical data subject to the reports was reviewed and compared with the facility permit requirements. Soils from the following sampling locations are acceptable and approved for reuse at the NJ Zinc – West Plant site:

WC-2 FILL COMP, B-4 (0-2'), WC-3 FILL COMP, B-3 (0- 2') B-5 (0-2'), SD, WC-3 NATIVE COMP, WC-2 FILL GRAB, WC-3 FILL GRAB , WC-3 NATIVE GRAB.

The material meets the definition of Regulated fill as defined in General Permit No. WMGR096. The volume of material represented by this approval is 3,000 CYD. The following non-analytical factors will apply:

EXCLUDED MEDIA	TREATED & UNTREATED WOOD LIMITATION	SLAG/ASH/CINDER LIMITATION	MOISTURE CONTENT LIMITATION	PHOTO-IONIZATION DETECTOR LIMIT (PPM)	MATERIAL SIZE LIMIT
MSW, Vegetation.	5%	5%	No Free Standing Liquid	NA	NA

Soil will be accepted and managed in accordance with facility permits.

Please feel free to contact me with any questions.

Sincerely,
IMPACT ENVIRONMENTAL

Richard Parrish
President

BAYSHORE
Soil Management, LLC

75 Crows Mill Road, P.O. Box 290
Keasbey, New Jersey 08832

Phone: (732) 738-6000 • Fax: (732) 738-0620
www.bayshorerecycling.com

November 05, 2014

Ms. Kristen Dion
Environmental Waste Minimization, Inc.
14 Brick Kiln Court
Northampton, PA 18067

RE: Phipps Plaza South
325 East 25th Street
Manhattan, NY 10010

Dear Ms. Dion:

Bayshore Soil Management, LLC (BSM) has reviewed the provided analytical results for soils/fill material from the Phipps Plaza South site located at 325 East 25th Street in Manhattan, NY. In review of data provided in Phoenix Environmental Laboratories report: GBH20207, samples WC-1 Fill 1 Comp, WC-2 Fill 1 Comp, WC-3 Fill 1 Comp, and WC-3 Native Comp, BSM has identified that soils appear to meet our acceptance criteria for Petroleum Contaminated Soils/ Urban Fill. This decision was based on the submitted generator waste profile and analytical testing results stemming from site remedial investigation work.

Bayshore Soil Management, LLC can only accept non-hazardous contaminated soil and based on our review of the soil chemistry data, the material is acceptable under the guidelines of our operating permits.

This application has been approved under **BSM# 2714-1098** for up to 150 tons. We understand that this project is expected to generate up to 700 tons. For materials beyond 150T, BSM will collect EPH samples upon material receipt at 1/150T as needed.

Should you have any questions or require further information, please feel free to contact me at 732.738.6000.

Yours truly,

K. A Lacerda

Kassandra Lacerda
Compliance Manager

P Park NJ
100 Planten Ave.
Prospect Park, NJ 07508

11/13/2014

Ian Gorencoor
EWMI
14 Brick Kiln Court
Northampton, PA 18067

Re: Phipps Plaza South
325 East 25th Street
Manhattan, NY 10010

Dear Ian,

P Park NJ, LLC (P Park) has prepared this Approval Letter for EWMI with regards to material from the above-referenced site. P Park has reviewed the laboratory data you provided and compared it with our current protocols for acceptance. The analytical results were reviewed for the purposes of determining if the material on the subject site is acceptable for placement at P Park located in Prospect Park, NJ.

The analytical results provided support that material from specific portions of the site meet P Park's Clean Fill Protocol. All the analytical results provided, were reviewed and compared to the NJDEP Remediation Standards for Residential Direct Contact Soil Cleanup Criteria and several areas were found to be below the standards. This approval is based solely upon the information provided on this application and the following documents submitted with this application:

- Phoenix Environmental Laboratories report #BH20214 (10/2/2014).
- Waste Characterization Sampling Plan.

The applicant warrants that the material proposed for shipment to P Park is in fact, the same material which was tested and is represented by the sample results provided with this application. Furthermore, it is our understanding that material encountered within the scope of the Phipps Plaza South project which does not meet P Park NJ, LLC's protocol will be sent to a separate disposal facility permitted to take the material. EWMI further warrants that a proper QA/QC plan will be in place during the excavation and loading of the material to ensure that only approved soils are sent to the P Park facility.

The material approved for import into P Park is identified in the provided data as:

- **WC-3A (WC-3 NATIVE COMP) 8' – 12' bgs**
- **WC-3B (WC-3 GRAB) 8' – 12' bgs**

The above-referenced sample and/or grid locations MUST be noted on all manifests.

The total material approval is for 750 tons.

P Park NJ LLC's compliance engineers, WCD Consultants reviewed all analytical data and site background information and determined the material profiled meets our current acceptance criteria for approval and placement into the facility. Based upon our review, the results and application have been accepted and given the WCD approval # PPNJ-102914-0228 and P Park has issued the project #14-307.

All deliveries **must** be scheduled in advance with Lori Ripp via email at lripp@pparknj.com .

Please contact me if you have any questions.

Sincerely,

on behalf of Gary Roth

Gary Roth
General Manager
P. Park NJ, LLC

APPENDIX H

WASTE MANIFESTS

Bayshore Recycling Corp.
75 Crows Mill Rd
PO Box 290
Keasbey, NJ 08832

Facility ID: 132397

Ticket: 449614
Date: 3/24/2015
Time: 09:37:59 - 09:38:12

Scale

Customer: EWMI/BSM0216
14 BRICK KILN COURT
NORTHAMPTON, PA 18067-

Gross: 90340 lb In Scale 1
Tare: 28460 lb P.T.
Net: 61880 lb

Truck: AS531D

CUYDs: 25 License: AS531D
Truck Type: TRIAXLE

Carrier: MENDEZ TRUCKING

Manifest: 56760
Remaining: 0.00 TN

Profile: 2714-1098/PHIPPS PLAZA SOUTH
Generator: PHIPPS PLAZA SOUTH
Comment:

Origin	Materials & Services	Quantity	Unit
Manhattan	ID27 PCS	30.94	Tons

THE ABOVE IS CORRECT AND NON-HAZARDOUS TO THE BEST OF MY KNOWLEDGE

Driver: _____

Weighmaster: Joe S

Non Hazardous Manifest/Bill Of Lading

ndence and Invoices to:
ntal Waste Minimization, Inc.
lesponse, Inc.
Kiln Court
npton, PA 18067
484-275-6900
84-275-6970

Document # 56760

Job/Project # 108829

SECTION TO BE COMPLETED BY GENERATOR:

MPANY NAME/ADDRESS	IN CASE OF EMERGENCY OR SPILL CONTACT
KB25 Housing Development Fund Corp Phipps Plaza South 902 Broadway, 13th Floor 325 East 25th Street New York, NY 10010 Manhattan, NY 10010	Rapid Response Inc. 24 HOUR EMERGENCY PHONE # 877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non Hazardous Soil	2714-1098	EST. 22 Tons
		Grid 1 @ 0'-8' Depth		

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE [signature]

PRINT NAME Michael Coval

DATE 3/24/15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME	ADDRESS	PHONE NO.
Mender		( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AS 531	NJ	45		3-24-15

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE [signature]

PRINT DRIVER'S NAME Jorge Acevedo

DATE

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME	ADDRESS	PHONE NO.
Bayshore Soil Management, LLC	75 Crows Mill Road Keasbey, NJ 08832	732-738-6000

COMMENTS 449614

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE [signature]

PRINT NAME [signature]

DATE 03/24/15

Bayshore Recycling Corp.
75 Crows Mill Rd
PO Box 290
Keasbey, NJ 08832

Facility ID: 132397

Ticket: 449815
Date: 3/24/2015
Time: 13:04:12 - 13:04:29

				Scale
Customer:	EWMI/BSM0216	Gross:	86520 lb In	Scale 1
	14 BRICK KILN COURT	Tare:	28460 lb	P.T.
	NORTHAMPTON, PA 18067-	Net:	58060 lb	
Truck:	AS531D	CUYDs:	25	License: AS531D
				Truck Type: TRIAXLE
Carrier:	MENDEZ TRUCKING			
				Manifest: 56761
Profile:	2714-1098/PHIPPS PLAZA SOUTH			Remaining: 0.00 TN
Generator:	PHIPPS PLAZA SOUTH			
Comment:				

Origin	Materials & Services	Quantity	Unit
Manhattan	ID27 PCS	29.03	Tons

THE ABOVE IS CORRECT AND NON-HAZARDOUS TO THE BEST OF MY KNOWLEDGE

Drivers: _____ Weighmaster: Joe S

Non Hazardous Manifest/Bill Of Lading

Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 56761

Job/Project # 108829

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp Phipps Plaza South
902 Broadway, 13th Floor 325 East 25th Street
New York, NY 10010 Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT

Rapid Response Inc.

24 HOUR EMERGENCY PHONE #

877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non Hazardous Soil	2714-1098	EST. 22 Tons
		Grid 1 0-8' WC-1A, WC-1B		

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE [signature]

PRINT NAME Michael Gad

DATE 3/24/15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME Mendez

ADDRESS

PHONE NO. ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AS 53D	NJ	45		3-24-15

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE [signature]

PRINT DRIVER'S NAME Jorge Acevedo

DATE

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME Bayshore Soil Management, LLC

ADDRESS 75 Crows Mill Road Keasbey, NJ 08832

PHONE NO. 732-738-6000

COMMENTS 449815

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE [signature]

PRINT NAME

DATE 03/24/15

Bayshore Recycling Corp.
75 Crows Mill Rd
PO Box 290
Keasbey, NJ 08832

Facility ID: 132397

Ticket: 449864
Date: 3/24/2015
Time: 13:52:02 - 13:52:05

Customer: EWMI/BSM0216
14 BRICK KILN COURT
NORTHAMPTON, PA 18067-
Truck: AS521B

Scale
Gross: 90500 lb In Scale 2
Tare: 29300 lb P.T.
Net: 61200 lb
CUYDs: 25 License: AS521B
Truck Type: TRIAXLE

Carrier: MENDEZ TRUCKING

PO: 108029

Manifest: 56762
Remaining: 0.00 TN

Profile: 2714-1090/PHIPPS PLAZA SOUTH
Generator: PHIPPS PLAZA SOUTH
Comment:

Origin	Materials & Services	Quantity	Unit
Manhattan	ID27 PCS	30.60	Tons

THE ABOVE IS CORRECT AND NON-HAZARDOUS TO THE BEST OF MY KNOWLEDGE

Driver: _____

Weighmaster: Eamonn

Non Hazardous Manifest/Bill Of Lading

Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 56762

Job/Project # 108829

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp
902 Broadway, 13th Floor
New York, NY 10010

Phipps Plaza South
325 East 25th Street
Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non Hazardous Soil	2714-1098	EST. 22 Tons
		Grid 1 0'-8'		

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE [signature]

PRINT NAME Michael Coul

DATE 3/24/15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME	ADDRESS	PHONE NO.
MENDEZ TRUCKING	490 - UNION AVE BELLEVILLE NJ	( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AS521B	NJ	#56		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE [signature]

PRINT DRIVER'S NAME RIOVANNO L. ESPARRELLA

DATE 03-24-15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME	ADDRESS	PHONE NO.
Bayshore Soil Management, LLC	75 Crows Mill Road Keasbey, NJ 08832	732-738-6000

COMMENTS 449864

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE [signature]

PRINT NAME [signature]

DATE 3/24/15

Bayshore Recycling Corp.
75 Crows Mill Rd
PO Box 290
Keasbey, NJ 08832

Facility ID: 132397

Ticket: 449903
Date: 3/24/2015
Time: 14:31:38 - 14:31:42

Scale

Customer: EWMI/BSM0216
14 BRICK KILN COURT
NORTHAMPTON, PA 18067-

Gross: 86580 lb In Scale 2
Tare: 29560 lb P.T.
Net: 57020 lb

Truck: AP864P

CUYDs: 25

License: AP864P
Truck Type: TRIAXLE

Carrier: MENDEZ TRUCKING

PO: 100029

Manifest: 56763
Remaining: 0.00 TN

Profile: 2714-1098/PHIPPS PLAZA SOUTH
Generator: PHIPPS PLAZA SOUTH
Comment:

Origin	Materials & Services	Quantity	Unit
Manhattan	ID27 PCS	28.51	Tons

THE ABOVE IS CORRECT AND NON-HAZARDOUS TO THE BEST OF MY KNOWLEDGE

Driver: _____

Weighmaster: Eamonn

Hazardous Manifest/Bill Of Lading

nce and Invoices to:
al Waste Minimization, Inc.
esponse, Inc.
k Kiln Court
hampton, PA 18067
hone 484-275-6900
Fax 484-275-6970

Document # 56763

Job/Project # 108829

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp — Phipps Plaza South
902 Broadway, 13th Floor — 325 East 25th Street
New York, NY 10010 — Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT

Rapid Response Inc.

24 HOUR EMERGENCY PHONE #

877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non Hazardous Soil	2714-1098	EST. 22 Tons
		Grid 1 0'-8'		

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME Michael Gaul

DATE 3/24/15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME MENDEZ

ADDRESS 190 UNION AV BELLEVILLE NJ

PHONE NO. 973) 979-0100

VEHICLE I.D. NO. 61 P8648

STATE NJ

BOX NUMBER-IN

BOX NUMBER-OUT

COMMENTS 3/24/15

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE

PRINT DRIVER'S NAME Galso Avarof

DATE

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME Bayshore Soil Management, LLC

ADDRESS 75 Crows Mill Road Keasbey, NJ 08832

PHONE NO. 732-738-6000

COMMENTS 449403

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE 3/24/15

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 241,671

Ticket Number: 35092
1035092

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):

Phipps Plaza South
325 East 25th St.
New York NY 10010

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

PA REG FILL

NOTES:

GROSS/TARE/NET (lbs)

84120 lb
28900 lb
55220 lb

NET (Tons):

27.610 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
3/24/15	9:47 am	9:48 am

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

MENDEZ

Driver Name and Signature (conditional):

Truck Plate Number:

AS521B

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: K525 HOUSING DEVELOPMENT FUND CORP.
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Michael Gau

Authorized By (title) Agent of Phipps

Authorized By (sig) Michael Gau

TIME:_____ DATE: 3/24/15

Transporter:

MENDEZ
#56

2

Driven By Orlando L. Scanlan

Truck/Trailer Plate #56 AS521B

Driver Signature

TIME: 7:06 DATE: 03-24-15

Manifest Number 241671

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

Grid 2 0-8' Depth

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 55220 GROSS WEIGHT 84120

NET TONS 27.61 TARE WEIGHT 28900

TICKET NUMBER 1035092

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Mau Le

Date/Time 3/24/15 9:48 am

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 241,670

Ticket Number: 35095 ~~1035095~~

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):

Phipps Plaza South
325 East 25th St.
New York NY 10010

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

PA REG FILL

NOTES:

GROSS/TARE/NET (lbs)

82880 lb
28540 lb
54340 lb

NET (Tons):

27.170 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
3/24/15	10:11 am	10:12 am

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

MENDEZ

Driver Name and Signature (conditional):

Truck Plate Number:

~~AP664P~~

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: KB25 HOUSING DEVELOPMENT FUND CORP.
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Michael Gaul

Authorized By (title) Agent of Phipps

Authorized By (sig) Michael Gaul

TIME: 7:33 DATE: 3/24/15

Transporter: 61 MENDET

2

Driven By Eulo Aviles

Truck/Trailer Plate AP864P

Driver Signature Eulo Aviles

TIME: [illegible] DATE: 3/24/15

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

Grid 2 0'-8'

Manifest Number 241670

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 54340 GROSS WEIGHT 82880

NET TONS 27.17 TARE WEIGHT 28540

TICKET NUMBER 1035095

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Marc Lu

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time 3/24/15 10:12am

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) Eulo Aviles

Bayshore Recycling Corp.
75 Crows Mill Rd
PO Box 290
Keasbey, NJ 08832

Facility ID: 132397

Ticket: 451071
Date: 3/26/2015
Time: 14:07:16 - 14:07:27

Customer: EWMI/BSM0216
14 BRICK KILN COURT
NORTHAMPTON, PA 18067-
Truck: AS521B

Carrier: MENDEZ TRUCKING

Profile: 2714-1098/PHIPPS PLAZA SOUTH
Generator: PHIPPS PLAZA SOUTH
Comment:

		Scale
Gross:	94500 lb In	Scale 1
Tare:	29300 lb	P.T.
Net:	65200 lb	

CUYDs: 25 License: AS521B
Truck Type: TRIAXLE

Manifest: 56765
Remaining: 0.00 TN

Origin	Materials & Services	Quantity	Unit
Manhattan	ID27 PCS	32.60	Tons

THE ABOVE IS CORRECT AND NON-HAZARDOUS TO THE BEST OF MY KNOWLEDGE

Driver: _____

Weighmaster: Joe S

Non Hazardous Manifest/Bill Of Lading

ondence and Invoices to:
ental Waste Minimization, Inc.
Response, Inc.
k Kiln Court
ampton, PA 18067
ne 484-275-6900
484-275-6970

Document # 56765

Job/Project # 108829

S SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp Phipps Plaza South
902 Broadway, 13th Floor 325 East 25th Street
New York, NY 10010 Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non Hazardous Soil	2714-1098	EST. 22 Tons
		Grid I 0'-8'		

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME Michael Gaul

DATE

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME	ADDRESS	PHONE NO.
MENDEZ TRUCKING	490-UNION AVE BELLEVILLE NJ	( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
A5521 B	NJ	#-56		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE

PRINT DRIVER'S NAME DRIVER ARNOLD SCARCELLA

DATE 03-26-15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME	ADDRESS	PHONE NO.
Bayshore Soil Management, LLC	75 Crows Mill Road Keasbey, NJ 08832	732-738-6000

COMMENTS 45071

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME DRIVER ARNOLD SCARCELLA

DATE 03-26-15

Bayshore Recycling Corp.
75 Crows Mill Rd
PO Box 290
Keasbey, NJ 08832

Facility ID: 132397

Ticket: 451092
Date: 3/26/2015
Time: 14:28:43 - 14:28:47

Customer: EWMI/BSM0216
14 BRICK KILN COURT
NORTHAMPTON, PA 18067-
Truck: AS530D

Scale
Gross: 94080 lb In Scale 2
Tare: 29200 lb P.T.
Net: 64880 lb
CUYDs: 25 License: AS530D
Truck Type: TRIAXLE

Carrier: MENDEZ TRUCKING

PO: 100029

Profile: 2714-1090/PHIPPS PLAZA SOUTH
Generator: PHIPPS PLAZA SOUTH
Comment:

Manifest: 56764
Remaining: 0.00 TN

Origin	Materials & Services	Quantity	Unit
Manhattan	ID27 PCS	32.44	Tons

THE ABOVE IS CORRECT AND NON-HAZARDOUS TO THE BEST OF MY KNOWLEDGE

Driver: _____

Weighmaster: Eamonn

Non Hazardous Manifest/Bill Of Lading

spondence and Invoices to:
nmental Waste Minimization, Inc.
pid Response, Inc.
rick Kiln Court
rthampton, PA 18067
hone 484-275-6900
Fax 484-275-6970

Document # 56764

Job/Project # 108829

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp Phipps Plaza South
902 Broadway, 13th Floor 325 East 25th Street
New York, NY 10010 Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non Hazardous Soil	2714-1098	EST. 22 Tons
		Grid 1 0'-8'		

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE [signature]

PRINT NAME Michael Gaul

DATE 3/26/15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME MENDEZ TRUCKING. ADDRESS 490 UNION AVE Belleville NJ

PHONE NO. ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AS530D	NJ	44		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE Luis Tello

PRINT DRIVER'S NAME Luis Tello

DATE 3/26/15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME Bayshore Soil Management, LLC

ADDRESS 75 Crows Mill Road Keasbey, NJ 08832

PHONE NO. 732-738-6000

COMMENTS 451092

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE [signature]

PRINT NAME [signature]

DATE 3/26/15

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 241,669

Ticket Number: 35415

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):

Phipps Plaza South
325 East 25th St.
New York NY 10010

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

PA REG FILL

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)

88580 lb
28900 lb
59680 lb

NET (Tons):

29.840 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

Date and Time In and Out:

	Tare Time	Gross Time
3/26/15	10:20 am	10:21 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

MENDEZ

Driver Name and Signature (conditional):

Truck Plate Number:

AS521B

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: KB25 HOUSING DEVELOPMENT FUND CORP.
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Michael Gaul

Authorized By (title) Agent of Phipps

Authorized By (sig)

TIME:_____ DATE: 3/26/15

Transporter:

MENDEZ
#56

2

Driven By Orlando C. Sanchez

Truck/Trailer Plate #56 AS521B NJ

Driver Signature

TIME: 7:20 DATE: 03-26-15

Manifest Number 241669

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 59680 GROSS WEIGHT 88580

NET TONS 29.84 TARE WEIGHT 28900

TICKET NUMBER 1035415

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Jesse M

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time 3/26/15 10:21am

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 241.668

Ticket Number: 1035421 35421

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):

Phipps Plaza South
325 East 25th St.
New York NY 10010

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

PA REG FILL

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)

92460 lb
29140 lb
63320 lb

NET (Tons):

31.660 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
3/26/15	10:34 am	10:35 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

MENDEZ

Driver Name and Signature (conditional):

Luis Tello

Truck Plate Number:

AS530D

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: KB25 HOUSING DEVELOPMENT FUND CORP.
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Michael Gaul

Authorized By (title) Agent of Phipps

Authorized By (sig) [signature]

TIME:_____ DATE: 3/26/15

Transporter:

HENDEZ
#44

2

Driven By Luis Tello

Truck/Trailer Plate AS530D

Driver Signature Luis Tello

TIME:_____ DATE:_____

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

Manifest Number 241668

IMPACT

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 63320 GROSS WEIGHT 92460

NET TONS 31.66 TARE WEIGHT 29140

TICKET NUMBER 1035421

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) [signature]

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time 3/26/15 10:35AM

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) Luis Tello

Bayshore Recycling Corp.
75 Crows Mill Rd
PO Box 290
Keasbey, NJ 08832

Facility ID: 132397

Ticket: 452097
Date: 3/30/2015
Time: 12:05:53 - 12:06:08

Scale

Gross: 93400 lb In Scale 1
Tare: 29200 lb P.T.
Net: 64200 lb

CUYDs: 25 License: A5530D
Truck Type: TRIAXLE

Customer: EWMI/BSM0216
14 BRICK KILN COURT
NORTHAMPTON, PA 18067-

Truck: A5530D

Carrier: MENDEZ TRUCKING

Manifest: 57085
Remaining: 0.00 TN

Profile: 2714-1090/PHIPPS PLAZA SOUTH
Generator: PHIPPS PLAZA SOUTH
Comment:

Origin	Materials & Services	Quantity	Unit
Manhattan	ID27 PCS	32.10	Tons

THE ABOVE IS CORRECT AND NON-HAZARDOUS TO THE BEST OF MY KNOWLEDGE

Driver: _____

Weighmaster: Joe S

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 57085

Job/Project # 108829

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp Phipps Plaza South
902 Broadway, 13th Floor 325 East 25th Street
New York, NY 10010 Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non Hazardous Soil	2714-1098	EST. 22 Tons
		Grid 1 0'-8'		

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME Michael Gaul

DATE 3/30/15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME MENDEZ Trucking ADDRESS 490 Union Ave Belleville NJ

PHONE NO. ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AS530D	NJ	44		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE Luis Tello

PRINT DRIVER'S NAME Luis Tello

DATE 3/30/15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME Bayshore Soil Management, LLC

ADDRESS 75 Crows Mill Road
Keasbey, NJ 08832

PHONE NO. 732-738-6000

COMMENTS 452997

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE 03/30/15

Facility ID: 132397

Bayshore Recycling Corp.
75 Crows Mill Rd
PO Box 290
Keasbey, NJ 08832

Ticket: 452249
Date: 3/30/2015
Time: 14:34:02 - 14:34:06
Scale

Gross: 95020 lb In Scale 2
Tare: 29200 lb P.T.
Net: 65820 lb

Customer: EWMI/BSM0216
14 BRICK KILN COURT
NORTHAMPTON, PA 18067-

CUYDs: 25
License: AS530D
Truck Type: TRIAXLE

Truck: AS530D

Carrier: MENDEZ TRUCKING

PO: 100829

Manifest: 57084
Remaining: 0.00 TN

Profile: 2714-1090/PHIPPS PLAZA SOUTH
Generator: PHIPPS PLAZA SOUTH
Comments:

Origin	Materials & Services	Quantity Unit
Manhattan	ID27 PCS	32.91 Tons

THE ABOVE IS CORRECT AND NON-HAZARDOUS TO THE BEST OF MY KNOWLEDGE

Driver: _____

Weighmaster: Eamonn

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 57084

Job/Project # 108829

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp Phipps Plaza South
902 Broadway, 13th Floor 325 East 25th Street
New York, NY 10010 Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non Hazardous Soil	2714-1098	EST. 22 Tons
		Grid 1 0'-8'		

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE [signature]

PRINT NAME Michael Gavi

DATE 3-30-15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME	ADDRESS	PHONE NO.
MENDEZ TRUCKING	480 UNION AVE Belleville NJ	( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
A5530	NJ	44		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE Luis Tello

PRINT DRIVER'S NAME Luis Tello

DATE 3-30-15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME	ADDRESS	PHONE NO.
Bayshore Soil Management, LLC	75 Crows Mill Road Keasbey, NJ 08832	732-738-6000

COMMENTS 452249

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE [signature]

PRINT NAME [signature]

DATE 3/30/15

Bayshore Recycling Corp.
75 Crows Mill Rd
PO Box 290
Keasbey, NJ 08832

Facility ID: 132397

Ticket: 451886
Date: 3/30/2015
Time: 09:06:11 - 09:06:16
Scale

Customer: EWNI/DSN0216
14 BRICK KILN COURT
NORTHAMPTON, PA 18067-

Gross: 93900 lb In Scale 2
Tare: 29200 lb P.T.
Net: 64700 lb

Truck: AS530D

CUYDs: 25

License: AS530D
Truck Type: TRIAXLE

Carrier: MENDEZ TRUCKING

PO: 100829

Manifest: 56766
Remaining: 0.00 TN

Profile: 2714-1090/PHIPPS PLAZA SOUTH
Generator: PHIPPS PLAZA SOUTH
Comment:

Origin	Materials & Services	Quantity	Unit
Manhattan	ID27 PCS	32.35	Tons

THE ABOVE IS CORRECT AND NON-HAZARDOUS TO THE BEST OF MY KNOWLEDGE

Driver: _____

Weighmaster: Eamonn

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 56766

Job/Project # 108829

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp Phipps Plaza South
902 Broadway, 13th Floor 325 East 25th Street
New York, NY 10010 Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non Hazardous Soil	2714-1098	EST. 22 Tons
		Grid 1 0'-8'		

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE Michael Gaul

PRINT NAME Michael Gaul

DATE 3-30-15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME	ADDRESS	PHONE NO.
MENDEZ TRUCKING	490 Union Ave Belleville NJ	( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AS530D	NJ	44		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE Luis Tello

PRINT DRIVER'S NAME Luis Tello

DATE 3-30-15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME	ADDRESS	PHONE NO.
Bayshore Soil Management, LLC	75 Crows Mill Road Keasbey, NJ 08832	732-738-6000

COMMENTS 451886

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE 3 30 15

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 241,667

Ticket Number: 35545
1035545

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):

Phipps Plaza South
325 East 25th St.
New York NY 10010

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

PA REG FILL

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)

87320 lb
28600 lb
58720 lb

NET (Tons):

29.360 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
3/30/15	10:21 am	10:21 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

MENDEZ

Driver Name and Signature (conditional):

Marcelo Siguenza

Truck Plate Number:

AS763L

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: KB25 HOUSING DEVELOPMENT FUND CORP.
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Michael Gaul

Authorized By (title) Agent of Phipps

Authorized By (sig) Michael Gaul

TIME:_____ DATE: 3/30/15

Transporter:

Mendez TR 88

2

Driven By Marcelo Sequenda

Truck/Trailer Plate #288 AS963L NJ

Driver Signature

TIME:_____ DATE: 3/30/15

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

Grid 2 0'-8'

Manifest Number 241667

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 58720 GROSS WEIGHT 87320

NET TONS 29.36 TARE WEIGHT 28600

TICKET NUMBER 1035545

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Jesse M

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time 3/30/15 10:21am

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 241,666

Ticket Number: 1035626 35626

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):

Phipps Plaza South
325 East 25th St.
New York NY 10010

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

PA REG FILL

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)

92420 lb
28600 lb
63820 lb

NET (Tons):

31.910 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

Date and Time In and Out: Tare Time Gross Time

3/30/15 3:43 pm 3:43 pm

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

MENDEZ

Driver Name and Signature (conditional):

Marcelo Siguencia

Truck Plate Number:

AS763L

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: KB25 HOUSING DEVELOPMENT FUND CORP.
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Michael Gaul

Authorized By (title) Agent of Phipps

Authorized By (sig)

TIME: 13:00 DATE: 3/30/15

Transporter:

Mendez

2

Driven By Marcelo Siguencia

#288

Truck/Trailer Plate AS763L NJ

Driver Signature

TIME: _____ DATE: 3/30/15

Manifest Number 241666

IMPACT ENVIRONMENTAL

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

Grid 2 0'-8'

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 63820 GROSS WEIGHT 92420

NET TONS 31.91 TARE WEIGHT 28600

TICKET NUMBER 1035626

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Jesse A

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time 3/30/15 3:44PM

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Recycled Fill Site Permit WMGR095SE001

Manifest Number: 241,652

Ticket Number: 1036193 36193

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:
7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):
Phipps Plaza South
325 East 25th St.
New York NY 10010

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
PA REG FILL

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)

89540 lb
28960 lb
60580 lb

NET (Tons):
30.290 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

Date and Time In and Out:	Tare Time	Gross Time
4/6/15	10:29 am	10:30 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:
MENDEZ

Driver Name and Signature (conditional):

Truck Plate Number:
AP328G

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: KB25 HOUSING DEVELOPMENT FUND CORP.
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Michael Gau

Authorized By (title) Agent of Phipps

Authorized By (sig) Michael Gau

TIME: 7:00 DATE: 4/6/15

Transporter:

Mendez
94

2

Driven By Roger Mesen

Truck/Trailer Plate AP 328 G

Driver Signature

TIME: _____ DATE: _____

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

Grade 3
(0-8')

Manifest Number 241652

IMPACT

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 60580 GROSS WEIGHT 89540

NET TONS 30.29 TARE WEIGHT 28460

TICKET NUMBER 1036193

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Jose M

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time 4/6/15 10:30 AM

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Registered Facility Permit: WMGR098SE003

Manifest Number: 241,653

Ticket Number: 1036198 36198

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:
7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):
Phipps Plaza South
325 East 25th St.
New York NY 10010

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
PA REG FILL

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)

92240 lb
28600 lb
63640 lb

NET (Tons):
31.820 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

Date and Time In and Out:	Tare Time	Gross Time
4/6/15	10:47 am	10:47 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:
MENDEZ

Driver Name and Signature (conditional):
Marcelo Siguencia

Truck Plate Number:
AS763L

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: KB25 HOUSING DEVELOPMENT FUND CORP.
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Michael Gaul

Authorized By (title) Agent of Phipps

Authorized By (sig)

TIME: 7:00 DATE: 4/6/15

Transporter:

Mendez
#288

2

Driven By Marcelo Siguencia
#288

Truck/Trailer Plate AS763L HJ

Driver Signature

TIME: DATE: 4-6-15

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

Grid #3
(0'-8')

Manifest Number 241653

IMPACT

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 63640 GROSS WEIGHT 92240

NET TONS 31.82 TARE WEIGHT 28600

TICKET NUMBER 1036148

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time 4/6/15 10:47am

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Treating Permit WMGR098SE003

Manifest Number: 241,655

Ticket Number: 1036199 36199

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:
7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):
Phipps Plaza South
325 East 25th St.
New York NY 10010

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
PA REG FILL

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)

88480 lb
29140 lb
59340 lb

NET (Tons):
29.670 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:
CIS

Date and Time In and Out:	Tare Time	Gross Time
4/6/15	10:55 am	10:55 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:
MENDEZ

Driver Name and Signature (conditional):
Luis Tello

Truck Plate Number:
AS530D

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: KB25 HOUSING DEVELOPMENT FUND CORP.
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Michael Gaul

Authorized By (title) Agent of Phipps

Authorized By (sig) [signature]

TIME: 702 DATE: 4/6/15

Transporter:

Mendez
#44

2

Driven By Luis Tello

Truck/Trailer Plate A55301

Driver Signature Luis Tello

TIME: _____ DATE: _____

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

Grid 3 (0-4')

Manifest Number 241655

IMPACT

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 59340 GROSS WEIGHT 88480

NET TONS 29.67 TARE WEIGHT 29140

TICKET NUMBER 1036199

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Jose A

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time 4/6/15 10:56am

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) Luis Tello

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR098SE003

Manifest Number: 241,654

Ticket Number: 1036200 36200

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):

Phipps Plaza South
325 East 25th St.
New York NY 10010

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
PA REG FILL

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)

87720 lb
28540 lb
59180 lb

NET (Tons):

29.590 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:
CIS

Date and Time In and Out	Tare Time	Gross Time
4/6/15	10:58 am	10:58 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

MENDEZ

Driver Name and Signature (conditional):

Truck Plate Number:
AP864P

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: KB25 HOUSING DEVELOPMENT FUND CORP.
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Michael Gaul

Authorized By (title) Agent of Phipps

Authorized By (sig) Michael Gaul

TIME: 7:00 DATE: 4/6/15

Transporter:

Mendez
61

2

Driven By Celso Aveiros

Truck/Trailer Plate AP864P

Driver Signature Celso Aveiros

TIME: _____ DATE: _____

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

Gr. Jo 3 (0'-8')

Manifest Number 241654

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 59180 GROSS WEIGHT 87720

NET TONS 29.59 TARE WEIGHT 28540

TICKET NUMBER 1036200

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Jose M

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time 4/6/15 10:58am

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) Celso Aveiros

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Registered PA Site Permit WMGR096S002

Manifest Number: 241,656

Ticket Number: 1036201 36201

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:
7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):
Phipps Plaza South
325 East 25th St.
New York NY 10010

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
PA REG FILL

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)
88940 lb
28900 lb
60040 lb

NET (Tons):
30.020 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

Date and Time In and Out:	Tare Time	Gross Time
4/6/15	11:09 am	11:09 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:
MENDEZ

Driver Name and Signature (conditional):

Truck Plate Number:
AS521B

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: K625 HOUSING DEVELOPMENT FUND CORP.
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Michael Gaul

Authorized By (title) Agent of Phipps

Authorized By (sig) [signature]

TIME: 7 00 DATE: 4/6/15

Transporter:

Mendez
#56

2

Driven By Orlando C. Sequeira

Truck/Trailer Plate #56 AS521B NJ

Driver Signature [signature]

TIME: 7:03 DATE: 04-06-15

Manifest Number 241656

IMPACT ENVIRONMENTAL

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

Grid 3
(0'-8')

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 60040 GROSS WEIGHT 88940

NET TONS 30.02 TARE WEIGHT 28900

TICKET NUMBER 1036201

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) [signature]

Date/Time 4/6/15 11:10 am

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) [signature]

Phase III Environmental, LLC
FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071

Manifest Number: 241,657

Ticket Number: 1036204 36204

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:
7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):
Phipps Plaza South
325 East 25th St.
New York NY 10010

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
PA REG FILL

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)

88920 lb
27400 lb
61520 lb

NET (Tons):
30.760 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

Date and Time In and Out:	Tare Time	Gross Time
4/6/15	11:27 am	11:27 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:
MENDEZ

Driver Name and Signature (conditional):

Truck Plate Number:
AP690W

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: KB25 HOUSING DEVELOPMENT FUND CORP.
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Michael Caul

Authorized By (title) Agent of Phipps

Authorized By (sig) [signature]

TIME: 7:00 DATE: 4/6/15

Transporter:

Mendez
#24

2

Driven By DIDIER TABORDA

24
Truck/Trailer Plate AB690W NJ

Driver Signature [signature]

TIME: _____ DATE: 4-6-15

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

G1-J=3
(0'-8")

Manifest Number 241657

IMPACT

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 61520 GROSS WEIGHT 88920

NET TONS 30.76 TARE WEIGHT 27400

TICKET NUMBER 1036204

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) [signature]

Date/Time 4/6/15 11:28am

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) [signature]

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071

Manifest Number: 241.658

Ticket Number: 1036207 36207

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:
7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):
Phipps Plaza South
325 East 25th St.
New York NY 10010

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
PA REG FILL

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)

92540 lb
29420 lb
63120 lb

NET (Tons):
31.560 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

Date and Time In and Out:	Tare Time	Gross Time
4/6/15	11:37 am	11:38 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:
MENDEZ

Driver Name and Signature (conditional):

Truck Plate Number:
AN843J

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: KB25 HOUSING DEVELOPMENT FUND CORP.
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Michael Gaul

Authorized By (title) Agent of Phipps

Authorized By (sig) [signature]

TIME: 9 00 DATE: 4/6/15

Transporter:

Mendez
#36

2

Driven By Luis Aguilar

Truck/Trailer Plate AN843J

Driver Signature [signature]

TIME: _____ DATE: _____

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

Grids (0'-8')

Manifest Number 241658

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 63120 GROSS WEIGHT 92540

NET TONS 31.56 TARE WEIGHT 29420

TICKET NUMBER 1036207

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) [signature]

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time 4/6/15 11:38am

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) [signature]

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Registered Fill Site Permit: WMGR068SE003

Manifest Number: 241,659

Ticket Number: 36226 1036226

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):

Phipps Plaza South
325 East 25th St.
New York NY 10010

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

PA REG FILL

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)

91360 lb
28960 lb
62400 lb

NET (Tons):

31.200 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
4/6/15	3:28 pm	3:29 pm

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

MENDEZ

Driver Name and Signature (conditional):

Truck Plate Number:

AP328G

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: K825 HOUSING DEVELOPMENT FUND CORP.
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Michael Gal

Authorized By (title) Asst. to the Supt.

Authorized By (sig)

TIME: 12:40 DATE: 4/6/15

Transporter:

Mendez
94

2

Driven By Rogel Mesen

Truck/Trailer Plate AP 328G

Driver Signature

TIME: _____ DATE: _____

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

Grid # 3
(0'-8')

Manifest Number 241659

IMPACT

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 62400 GROSS WEIGHT 91320

NET TONS 31.20 TARE WEIGHT 28960

TICKET NUMBER 10362226

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time 4/6/15 3:29pm

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071

Manifest Number: 241,660

Ticket Number: 36234
1036234

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):

Phipps Plaza South
325 East 25th St.
New York NY 10010

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

PA REG FILL

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)

91420 lb
28600 lb
62820 lb

NET (Tons):

31.410 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
4/6/15	4:01 pm	4:02 pm

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

MENDEZ

Driver Name and Signature (conditional):

Marcelo Siqueira

Truck Plate Number:

AS763L

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: KB25 HOUSING DEVELOPMENT FUND CORP.
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Michael Gal

Authorized By (title) Asst of Phipps

Authorized By (sig)

TIME: 1:10 DATE: 4/6/15

Transporter:

Mendez
#288

2

Driven By Marcelo Siguenza
#288

Truck/Trailer Plate AS763L

Driver Signature

TIME: _____ DATE: 4-6-15

Manifest Number 241660

IMPACT

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

(Soil) = 3
(0'-8')

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 62820 GROSS WEIGHT 91420

NET TONS 31.41 TARE WEIGHT 28600

TICKET NUMBER 10362234

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Marcelo

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time 4/6/15 4:02 PM

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR095SE003

Manifest Number: ~~241,661~~

Ticket Number: 36235 ~~1036235~~

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):

Phipps Plaza South
325 East 25th St.
New York NY 10010

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

PA REG FILL

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)

90840 lb
29140 lb
61700 lb

NET (Tons):

30.850 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
4/6/15	4:04 pm	4:04 pm

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

MENDEZ

Driver Name and Signature (conditional):

Luis Tello

Truck Plate Number:

~~AS530D~~

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: KB25 HOUSING DEVELOPMENT FUND CORP.
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Michael Gaul

Authorized By (title) Agent of Phipps

Authorized By (sig) [signature]

TIME: 1:30 DATE: 4/16/15

Transporter:

Mendez
44

2

Driven By Luis Tello

Truck/Trailer Plate AS530D

Driver Signature Luis Tello

TIME:_____ DATE:_____

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

Grid 3 (0'-8')

Manifest Number 241661

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 61700 GROSS WEIGHT 90840

NET TONS 3085 TARE WEIGHT 29140

TICKET NUMBER 1036235

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Max Lee

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time 4/16/15 4:04pm

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) Luis Tello

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Recycling Fac Site Permit WMGR095SR003

Manifest Number: 241,662

Ticket Number: 36236 1036236

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):

Phipps Plaza South
325 East 25th St.
New York NY 10010

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

PA REG FILL

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)

83960 lb
28540 lb
55420 lb

NET (Tons):

27.710 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
4/6/15	4:16 pm	4:17 pm

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

MENDEZ

Driver Name and Signature (conditional):

Truck Plate Number:

AP864P

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: KB25 HOUSING DEVELOPMENT FUND CORP.
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Michael Gal

Authorized By (title) Agent of Phipps

Authorized By (sig) [signature]

TIME: 130 DATE: 4/16/15

Transporter:

Mendez #61

2

Driven By Celso Alvaros

Truck/Trailer Plate AB864P

Driver Signature [signature]

TIME: _____ DATE: _____

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

Grade 3 (6'-8')

Manifest Number 241662

IMPACT

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 55420 GROSS WEIGHT 83960

NET TONS 2771 TARE WEIGHT 28540

TICKET NUMBER 10360236

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Mar Le

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time 4/16/15 4:17pm

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) [signature]

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit (PAR600952)

Manifest Number: ~~241,663~~

Ticket Number: 36237 ~~1036237~~

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):

Phipps Plaza South
325 East 25th St.
New York NY 10010

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

PA REG FILL

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)

89340 lb
28900 lb
60440 lb

NET (Tons):

30.220 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
4/6/15	4:27 pm	4:27 pm

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

MENDEZ

Driver Name and Signature (conditional):

Truck Plate Number:

~~AS521B~~

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: KB25 HOUSING DEVELOPMENT FUND CORP.
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Michael Gan'

Authorized By (title) Agent of Phipps

Authorized By (sig)

TIME: 1:40 DATE: 4/6/15

Transporter:

Mendez
#56

2

Driven By Orlando L. Sorondo

#56
Truck/Trailer Plate A45213 NJ

Driver Signature

TIME: 1:40 DATE: 04-0615

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

Grid 3 (0'-8')

Manifest Number 241663

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 60440 GROSS WEIGHT 89340

NET TONS 30.22 TARE WEIGHT 28900

TICKET NUMBER 10362237

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Marisol

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time 4/6/15 4:25pm

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071

Manifest Number: 241,664

Ticket Number: 1036245 36245

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:
7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):
Phipps Plaza South
325 East 25th St.
New York NY 10010

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
PA REG FILE

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)
92080 lb
26720 lb
65360 lb

NET (Tons):
32.680 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: GIS

	Tare Time	Gross Time
Date and Time In 4/7/15:	9:38 am	9:39 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:
MENDEZ

Driver Name and Signature (conditional):

Truck Plate Number:
AP874P

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: KB25 HOUSING DEVELOPMENT FUND CORP.
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Michael Grant

Authorized By (title) Agent of Phipps

Authorized By (sig)

TIME: _____ DATE: 4/6/15

Transporter:

Mendez
#22

2

Driven By Mesias

Truck/Trailer Plate AP874P

Driver Signature

TIME: _____ DATE: 4-6-15

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

Grids 3 (0'-8')

Manifest Number 241664

IMPACT

TARE WEIGHT MUST BE INCLUDED
NET WEIGHT 65360 GROSS WEIGHT 92080
NET TONS 32.68 TARE WEIGHT 26720
TICKET NUMBER 1036245

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Jose M

Date/Time 4/7/15 9:40am

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Registered TSD Site Permit: (PAGR096SB03)

Manifest Number: 241,665

Ticket Number: 1036254 36254

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:
7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):
Phipps Plaza South
325 East 25th St.
New York NY 10010

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
PA REG FILL

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)

87680 lb
28620 lb
59060 lb

NET (Tons):
29.530 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

Date and Time In and Out:	Tare Time	Gross Time
4/7/15	10:11 am	10:11 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:
MENDEZ

Driver Name and Signature (conditional):

Truck Plate Number:
AP256H

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: KB25 HOUSING DEVELOPMENT FUND CORP.
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Michael Carl

Authorized By (title) Agent of phipps

Authorized By (sig)

TIME: 7:00 DATE: 4/1/15

Transporter:

Mendez #29

2

Driven By Adrian

Truck/Trailer Plate AP256H

Driver Signature

TIME: DATE:

Manifest Number 241665

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

Grid #3 (0'-8')

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 54060 GROSS WEIGHT 87680

NET TONS 29.53 TARE WEIGHT 28620

TICKET NUMBER 1036254

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Marc Le

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time 4/7/15 10:12am

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Registered Fill Site Permit WMGR068SE003

Manifest Number: 241,597 1036257

Ticket Number: 36257

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:
7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):
Phipps Plaza South
325 East 25th St.
New York NY 10010

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
PA REG FILL

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)
89520 lb
31520 lb
58000 lb

NET (Tons):
29.000 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

Date and Time In	Tare Time	Gross Time
4/7/15	10:19 am	10:20 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:
MENDEZ

Driver Name and Signature (conditional):
Mendez

Truck Plate Number:
AP279K

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: KB25 HOUSING DEVELOPMENT FUND CORP.
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Michael Gaul

Authorized By (title) Agent of Phipps

Authorized By (sig)

TIME: 7:00 DATE: 4/7/15

Transporter:

Mendez
#27

2

Driven By Mendez

Truck/Trailer Plate AP279K

Driver Signature Mendez

TIME: DATE: 4-7-15

Manifest Number 241597

IMPACT

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

Grid #3 (0'-8')

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 58000 GROSS WEIGHT 89520

NET TONS 29.00 TARE WEIGHT 31520

TICKET NUMBER 1030257

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Marissa

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time 4/7/15 10:20am

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) Mendez

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Registered PA Site Permit WMGR098SE003

Manifest Number: 241,598

Ticket Number: 1036259 36259

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):

Phipps Plaza South
325 East 25th St.
New York NY 10010

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
PA REG FILL

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)

88320 lb
28480 lb
59840 lb

NET (Tons):
29.920 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:
CIS

Date and Time In and Out:	Tare Time	Gross Time
4/7/15	10:24 am	10:24 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:
MENDEZ

Driver Name and Signature (conditional):
Jose F.

Truck Plate Number:
AP638R

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: KB25 HOUSING DEVELOPMENT FUND CORP.
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Michael Gaul

Authorized By (title) Agent of Phipps

Authorized By (sig)

TIME: 7:00 DATE: 4/7/15

Transporter:

Mendez
100

2

Driven By Jose Flores

Truck/Trailer Plate AP 638R

Driver Signature Jose F

TIME: _____ DATE: 4/7/15

Manifest Number 241598

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

Grid 3
(0'-8')

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 59840 GROSS WEIGHT 88320

NET TONS 29.92 TARE WEIGHT 28480

TICKET NUMBER 1036259

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Marissa

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time 4/7/15 10:24am

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) Jose F.

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Residual Fill Site Permit: WMGR046SE003

Manifest Number: 241,599

Ticket Number: 1036267 36267

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):

Phipps Plaza South
325 East 25th St.
New York NY 10010

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
PA REG FILL

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)

86200 lb
30900 lb
55300 lb

NET (Tons):

27.650 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:
CIS

Date and Time In and Out:

	Tare Time	Gross Time
4/7/15	10:43 am	10:44 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:
MENDEZ

Driver Name and Signature (conditional):

Truck Plate Number:
AP792H

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: KB25 HOUSING DEVELOPMENT FUND CORP.
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Michael Cw

Authorized By (title) Agent of Phipps

Authorized By (sig) [signature]

TIME: 7:00 DATE: 4/7/15

Transporter:

Mendez
98

2

Driven By Luis ABREU

Truck/Trailer Plate AP 7924

Driver Signature [signature]

TIME: _____ DATE: _____

Manifest Number 241599

IMPACT

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

Grid # 3
(0'-8')

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 55300 GROSS WEIGHT 86200
NET TONS 27.65 TARE WEIGHT 30900
TICKET NUMBER 10362267

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Marissa

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time 4/7/15 10:44am

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) [signature]

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Remediated Fill Site Permit #PAD[illegible]

Manifest Number: 241,600

Ticket Number: 1036275 36275

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):

Phipps Plaza South
325 East 25th St.
New York NY 10010

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
PA REG FILL

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)

92240 lb
29420 lb
62820 lb

NET (Tons):
31.410 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:
CIS

Date and Time In and Out:	Tare Time	Gross Time
4/7/15	11:07 am	11:08 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:
MENDEZ

Driver Name and Signature (conditional):

Truck Plate Number:
AN843J

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: KB25 HOUSING DEVELOPMENT FUND CORP.
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Michael Gal

Authorized By (title) Agent of Phipps

Authorized By (sig)

TIME: 7:00 DATE: 4/7/15

Transporter:

Mendez
#36

2

Driven By LUIS AGUILAR

Truck/Trailer Plate AN843J

Driver Signature

TIME: DATE: 4/7/15

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

GxJ#3 (0'-8")

Manifest Number 241600

IMPACT

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 62820 GROSS WEIGHT 92246

NET TONS 31.41 TARE WEIGHT 29420

TICKET NUMBER 1036275

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time 4/7/15 11:08am

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MALICH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR095SE002

Manifest Number: 241,601

Ticket Number: 1036287 36287

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:
7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):
Phipps Plaza South
325 East 25th St.
New York NY 10010

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
PA REG FILL

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)
93280 lb
26720 lb
66560 lb

NET (Tons):
33.280 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

Date and Time In and Out: 4/7/15 Tare Time 2:44 pm Gross Time 2:44 pm

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:
MENDEZ

Driver Name and Signature (conditional):

Truck Plate Number:
AP874P

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: K825 HOUSING DEVELOPMENT FUND CORP.
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Michael Gaul

Authorized By (title) Agent of Phipps

Authorized By (sig) [signature]

TIME: 12:05 DATE: 4/7/15

Transporter:

Mendez
#22

2

Driven By Moses

Truck/Trailer Plate AP 874D

Driver Signature [signature]

TIME: _____ DATE: _____

Manifest Number 241601

IMPACT

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

Grid # 3 (0'-8')

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 66560 GROSS WEIGHT 93280

NET TONS 33.28 TARE WEIGHT 26720

TICKET NUMBER 1036287

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) [signature]

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time 4/7/15 2:45pm

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) [signature]

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071

Manifest Number: 241,602

1036290 Number: 36290

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:
7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):
Phipps Plaza South
325 East 25th St.
New York NY 10010

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
PA REG FILL

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)

88680 lb
28480 lb
60200 lb

NET (Tons):
30.100 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

Date and Time In and Out:	Tare Time	Gross Time
4/7/15	4:00 pm	4:00 pm

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:
MENDEZ

Driver Name and Signature (conditional):
Jose F.

Truck Plate Number:
AP638R

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: KB25 HOUSING DEVELOPMENT FUND CORP.
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

Job # 7542

1

Authorized By (print) Michael Gal

Authorized By (title) Agent of Phipps

Authorized By (sig) [signature]

TIME: 12:50 DATE: 4/7/15

Transporter:

Mendez
100

2

Driven By Josa Flores

Truck/Trailer Plate AP 638R

Driver Signature Josa F

TIME: _____ DATE: 4/7/15

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

Grid #3 (0'-8')

Manifest Number 241602

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 60200 GROSS WEIGHT 88680

NET TONS 30.10 TARE WEIGHT 28480

TICKET NUMBER 1036290

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Jose A

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time 4/7/15 4:01 pm

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) Josa F.

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071

Manifest Number: ~~241,604~~

Ticket Number: ~~1036295~~ 36295

SCALE TICKET

Part 1 GENERATOR

Generator ~~7542~~ Address and Telephone #:
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Name and Address):
~~Phipps Plaza South~~
325 East 25th St.
New York NY 10010

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
~~PA REG FILL~~

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)
90180 lb
30900 lb
59280 lb

NET (Tons):
29.640 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

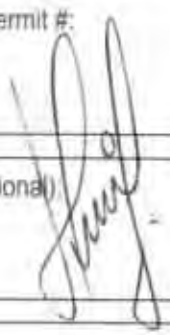
Date and Time In and Out:	~~Tare Time~~	~~Gross Time~~
~~4/7/15~~	4:13 pm	4:13 pm

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:
~~MENDEZ~~

Driver Name and Signature (conditional):



Truck ~~AR792H~~ Number:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: K825 HOUSING DEVELOPMENT FUND CORP.
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Michael Gaul

Authorized By (title) Agent of Phipps

Authorized By (sig) Michael Gaul

TIME: 110 DATE: 4/7/15

Transporter:

Mendez
* 98

2

Driven By Luiz ABREU

Truck/Trailer Plate AP 792H

Driver Signature

TIME: DATE:

Manifest Number 241604

IMPACT

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

Graded (0'-8')

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 59280 GROSS WEIGHT 90180

NET TONS 29.64 TARE WEIGHT 30900

TICKET NUMBER 1036295

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time 4/7/15 4:14pm

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR098SE001

Manifest Number: ~~241.603~~

Ticket Number: ~~1036296~~ 36296

SCALE TICKET

Part 1 GENERATOR

Generator ~~7542~~ Address and Telephone #:
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Name and Address):
~~Phipps Plaza South~~
325 East 25th St.
New York NY 10010

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
~~PA REG FILL~~

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)
88440 lb
28620 lb
59820 lb

NET (Tons):
29.910 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

Date and Time In and Out:	~~Tare Time~~	~~Gross Time~~
~~4/7/15~~	4:15 pm	4:16 pm

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:
MENDEZ

Driver Name and Signature (conditional):

Truck Number:
~~AP256H~~

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: KB25 HOUSING DEVELOPMENT FUND CORP.
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Michael Gail

Authorized By (title) Agent of Phipps

Authorized By (sig)

TIME: 12:55 DATE: 4/7/15

Transporter:

Mender #29

2

Driven By Adrian

Truck/Trailer Plate AP256H

Driver Signature

TIME: DATE:

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

(Grid 2 (0'-8')

Manifest Number 241603

IMPACT

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 59820 GROSS WEIGHT 88440

NET TONS 29.91 TARE WEIGHT 28620

TICKET NUMBER 1036296

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Date/Time 4/17/15 4:16pm

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated PA Solid Permit: WMGR098SE001

Manifest Number: 241,605

Ticket Number: 1036300 36300

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:
7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):
Phipps Plaza South
325 East 25th St.
New York NY 10010

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
PA REG FILL

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)
88100 lb
31520 lb
56580 lb

NET (Tons):
28.290 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

Date and Time In and Out:	Tare Time	Gross Time
4/7/15	4:29 pm	4:29 pm

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:
MENDEZ

Driver Name and Signature (conditional):

Truck Plate Number:
AP279K

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: K825 HOUSING DEVELOPMENT FUND CORP.
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Michael Gaul

Authorized By (title) Agent of Phipps

Authorized By (sig) Michael Gaul

TIME: 115 DATE: 4/7/15

Transporter:

Mendez #27

2

Driven By Mendez

Truck/Trailer Plate AP279K

Driver Signature Mendez

TIME: _____ DATE: 4-7-15

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

Grids 2 (0'-8')

Manifest Number 241605

IMPACT

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 56580 GROSS WEIGHT 88100

NET TONS 28.29 TARE WEIGHT 31520

TICKET NUMBER 10362300

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Manssen

Date/Time 4/7/15 4:30pm

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) Mendez

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE01

Manifest Number: 241.606

Ticket Number: 1036305 36305

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):

Phipps Plaza South
325 East 25th St.
New York NY 10010

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
PA REG FILL

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)

91420 lb
29420 lb
62000 lb

NET (Tons):

31.000 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

Date and Time In and Out:	Tare Time	Gross Time
4/7/15	4:52 pm	4:53 pm

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

MENDEZ

Driver Name and Signature (conditional):

Truck Plate Number:
AN843J

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: KB25 HOUSING DEVELOPMENT FUND CORP.
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Michael Gaul

Authorized By (title) Agent of Phipps

Authorized By (sig)

TIME: 1:35 DATE: 4/7/15

Transporter:

Mendez
#36

2

Driven By Luis Aguilar

Truck/Trailer Plate AN843J

Driver Signature

TIME: DATE:

Manifest Number 241606

IMPACT

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

Grid # 2 (0'-8')

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 62000 GROSS WEIGHT 91420

NET TONS 31.00 TARE WEIGHT 29420

TICKET NUMBER 1036305

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time 4/7/15 4:53 pm

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its transport.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit #MGR082503

Manifest Number: 241,611

Ticket Number: 1036324 36324

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):

Phipps Plaza South
325 East 25th St.
New York NY 10010

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
PA REG FILL

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)

89480 lb
26720 lb
62760 lb

NET (Tons):

31.380 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:
CIS

Date and Time In and Out:	Tare Time	Gross Time
4/8/15	10:27 am	10:27 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

MENDEZ

Driver Name and Signature (conditional):

Truck Plate Number:
AP874P

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: KB25 HOUSING DEVELOPMENT FUND CORP.
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Michael Gaul

Authorized By (title) Agent of Phipps

Authorized By (sig)

TIME: 4/8/15 DATE: 7:00

Transporter:

Mendez Trucking

22.

2

Driven By Mendez

Truck/Trailer Plate AP874P.

Driver Signature

TIME: _____ DATE: 4815

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

Grid 3 0-8'

Manifest Number 241611

IMPACT

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 67760 GROSS WEIGHT 94480

NET TONS 31.38 TARE WEIGHT 26720

TICKET NUMBER 10136324

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Mau Stan

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time 4/8/15 10:28am

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071

Manifest Number: 241,612

Ticket Number: 1036332 36332

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:
7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):
Phipps Plaza South
325 East 25th St.
New York NY 10010

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
PA REG FILL

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)

88580 lb
28620 lb
59960 lb

NET (Tons):
29.980 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

Date and Time In and Out:	Tare Time	Gross Time
4/8/15	10:45 am	10:45 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:
MENDEZ

Driver Name and Signature (conditional):

Truck Plate Number:
AP256H

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: K825 HOUSING DEVELOPMENT FUND CORP.
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Michael Gaul

Authorized By (title) Agent of Phipps

Authorized By (sig)

TIME: 4/8/14 DATE: ~~2014~~ 7:55

Transporter:

Mendez Trucking Z9

2

Driven By Alvin

Truck/Trailer Plate AP256H

Driver Signature

TIME: _____ DATE: _____

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

Grid 2 0'-8'

Manifest Number 241612

IMPACT

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 59960 GROSS WEIGHT 88580

NET TONS 29.98 TARE WEIGHT 28620

TICKET NUMBER 1036332

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Marissa

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time 4/8/15 10:40am

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071

Manifest Number: 241,607

Ticket Number: 36335

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:
7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):
Phipps Plaza South
325 East 25th St.
New York NY 10010

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
PA REG FILL

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)
87840 lb
28300 lb
59540 lb

NET (Tons):
29.770 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

Date and Time In and Out:	Tare Time	Gross Time
4/8/15	10:53 am	10:54 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:
MENDEZ

Driver Name and Signature (conditional):
JOHN RIVERA

Truck Plate Number:
AP865P

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: KB25 HOUSING DEVELOPMENT FUND CORP.
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Michael Corvi

Authorized By (title) Agent of Phipps

Authorized By (sig) [signature]

TIME:_____ DATE: 4/8/15

Transporter:

Mendez Trucking

2

Driven By JOHN W RIVERA RIVERA

Truck/Trailer Plate #62 AP-865P.

Driver Signature JOHN RIVERA.

TIME:_____ DATE 04-08-15

Manifest Number 241607

IMPACT

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

Grid 2 0'-8'

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 59540 GROSS WEIGHT 87840

NET TONS 29.77 TARE WEIGHT 28300

TICKET NUMBER 1036335

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Max Lar

Date/Time 4/8/15 10:54am

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) JOHN RIVERA.

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071

Manifest Number: 241,608

Ticket Number: 1036340 36340

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):

Phipps Plaza South
325 East 25th St.
New York NY 10010

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

PA REG FILL

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)

89120 lb
29340 lb
59780 lb

NET (Tons):

29.890 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

Date and Time In and Out:	Tare Time	Gross Time
4/8/15	11:36 am	11:36 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

MENDEZ

Driver Name and Signature (conditional):

Truck Plate Number:

AR903C

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: KB25 HOUSING DEVELOPMENT FUND CORP.
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Michael Gal

Authorized By (title) Agent of Shipper

Authorized By (sig) [signature]

TIME: 932 DATE: 4/8/15

Transporter:

Mendez Trucking #1

2

Driven By Leon Rivera

DE403C
Truck/Trailer Plate

Driver Signature [signature]

TIME: DATE:

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

Grid 2 0'-8'

Manifest Number 241608

IMPACT

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 59780 GROSS WEIGHT 89120

NET TONS 29.89 TARE WEIGHT 29340

TICKET NUMBER 1036340

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Mansba

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time 4/8/15 11:36am

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) [signature]

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE002

Manifest Number: ~~241,610~~

Ticket Number: 36357 ~~1036357~~

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):

Phipps Plaza South
325 East 25th St.
New York NY 10010

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

PA REG FILL

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)

92260 lb
26720 lb
65540 lb

NET (Tons):

32.770 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
~~4/8/15~~	~~3:56 pm~~	~~3:56 pm~~

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

MENDEZ

Driver Name and Signature (conditional):

Truck Plate Number:

AP874P

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: K825 HOUSING DEVELOPMENT FUND CORP.
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Michael Coel

Authorized By (title) Agent of Phipps

Authorized By (sig)

TIME: 12:56 DATE: 4/8/15

Transporter:

Mendez Trucking 22

2

Driven By Mason

Truck/Trailer Plate AP874P

Driver Signature

TIME: 1:10pm DATE: 4-8-15

Manifest Number 241610

IMPACT

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

Grid 2 0'-8'

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 65540 GROSS WEIGHT 92260

NET TONS 32.77 TARE WEIGHT 26720

TICKET NUMBER 1036357

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Marissa

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time 4/8/15 3:57pm

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Registered PA Site Permit: WMGR096S002

Manifest Number: 241,609

Ticket Number: 36367
1036367

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):

Phipps Plaza South
325 East 25th St.
New York NY 10010

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

PA REG FILL

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)

87880 lb
28300 lb
59580 lb

NET (Tons):

29.790 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
4/8/15	4:22 pm	4:22 pm

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

MENDEZ

Driver Name and Signature (conditional):

JOHN RIVERA

Truck Plate Number:

AP865P

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: KB25 HOUSING DEVELOPMENT FUND CORP.
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Michael Gaul

Authorized By (title) Agent of Phipps

Authorized By (sig) [signature]

TIME: 13:22 DATE: 4/8/14

Transporter:

Mendez Trucking

2

Driven By JOHN W RIVERA RIVERA

Truck/Trailer Plate #62 AP-865P

Driver Signature JOHN RIVERA

TIME: _____ DATE: 04-08-15

Manifest Number 241609

IMPACT

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

Grid 2 0'-8'

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 59580 GROSS WEIGHT 87880

NET TONS 29.79 TARE WEIGHT 28300

TICKET NUMBER 10363167

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Marissa

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time 4/8/15 4:22pm

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) JOHN RIVERA

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 241.613

Ticket Number: 36375
1036375

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):

Phipps Plaza South
325 East 25th St.
New York NY 10010

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

PA REG FILL

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)

82620 lb
28620 lb
54000 lb

NET (Tons)

27.000 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
4/8/15	4:53 pm	4:53 pm

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

MENDEZ

Driver Name and Signature (conditional):

Truck Plate Number:

AP256H

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: KB25 HOUSING DEVELOPMENT FUND CORP.
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Michael Gaw

Authorized By (title) Asst of Phipp

Authorized By (sig)

TIME: 13:40 DATE: 4/8/15

Transporter:

Mendez Trucking #29

2

Driven By

Truck/Trailer Plate AP256H

Driver Signature

TIME: DATE:

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

Grid 2 0'-8'

Manifest Number 241613

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 54000 GROSS WEIGHT 82620

NET TONS 27.00 TARE WEIGHT 28620

TICKET NUMBER 1036375

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Manese

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time 4/8/15 4:53pm

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Environmental Waste Minimization, Inc.

EIN#: 23-2827092
14 Brick Kiln Court
Northampton, PA 18067

Invoice

Date	Invoice #
4/22/2015	203880

Environmental Waste Minimization, Inc. EWMI

EVERY JOB SAFETY EVERY DAY

Bill To
Monadnock Construction, Inc. ATTN: Bob Weida 155 3rd Street Brooklyn, NY 11231

Terms	Due Date	Rep	P.O. No.
Net 55	6/16/2015	JKS	

Quantity	Description	Rate	Amount
198.95	Date of Service 04/16/15, Quote# 108829-Phipps Plaza Soil-325 E 25th St,. NYC Transportation and disposal of PA Regulated soil to Palmerton 4/16/2015	48.00	9,549.60

Subtotal	$9,549.60
Sales Tax (0.0%)	$0.00
Payments/Credits	$0.00
Balance Due	**$9,549.60**

Thank you for your business!

Phone #	E-mail	Web Site
484-275-6903	dfox@ewmi-info.com	www.ewmi.com

For your convenience, we accept Visa, Mastercard and American Express

Total # of Loads:	7	Wet Surcharge Tonnage:	0.00
Total Tonnage Shipped:	198.95	Light Load Surcharge Tonnage:	0
Average Tons per Load:	28.4214286	Total Tonnage (corrected for light loads):	0.00

Load#	Date	transporter	Truck #	Facility	Time In	Time Out	Manifest	Tons	Grid
1	4/16/2015	mendez		Palmerton			241614	24.94	2 (0-8)
2	4/16/2015	mendez	98	Palmerton			241615	24.01	2 (0-8)
3	4/16/2015	mendez	13	Palmerton			241616	28.88	2 (0-8)
4	4/16/2015	mendez	24	Palmerton			241617	26.73	2 (0-8)
5	4/16/2015	mendez		Palmerton			241618	35.67	2 (0-8)
6	4/16/2015	mendez		Palmerton			241619	30.11	2 (0-8)
7	4/16/2015	mendez		Palmerton			241620	28.61	2 (0-8)
8									

Transportation Charter / Manifest

Generator:

Authorized By (print) Michael Gad

Authorized By (sign) Agent of Client

Authorized By (sign) _____

Title _____ Date 9/8/15

Transporter:

Nicole Trucking

Driver By Mario

Transfer Trailer Plate AP37GP

Driver Signature P

7.15 9-16-15

Manifest Number 241614

IMPACT

Material/Note(s):

Grid 2 0'-8"

49880 76600

24.94 26720

1036710

Project under the management of Impact Environmental, In case of emergency call 631-269-8800 or 516-805-8960

Received By (print) Jose M

Receiving Facility:

Date-time 9/16/15 9:34 pm

By signing this manifest the Hauler accepts that the above material is to be transported that is being transported to and the above facility in good condition.

Driver By (sign) P

Phase III Environmental, LLC
Former NJ Zinc Facility
1120 Mauch Chunk Road
Palmerton, Pennsylvania 18071

Manifest Number: 241,614

Ticket Number: 1036710 36710

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):

Phipps Plaza South
325 East 25th St.
New York NY 10010

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

PA REG FILL

NOTES:

WEIGHT

GROSS/TARE/NET (lbs):

76600 lb
26720 lb
49880 lb

NET (Tons):

24.940 tn

Part 3 WEIGHT CETIFICATION

Certification. By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 285.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out	Tare Time	Gross Time
4/16/15	9:33 am	9:34 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

MENDEZ

Driver Name and Signature (optional):

Truck Plate Number:

AP874P

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material loaded and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/unsafe associated with the vehicle to the owner of the vehicle and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

[illegible]

Authorized By (print): Michael Gad

Authorized By (title): Agent of Phipps

Authorized By (sig): [signature]

Time: 7:15 Date: 4/16/15

Transporter:

Mendez Trucking 98

Driven By: JOSE ABREU

Truck/Trailer Plate: AP 17324

Driver Signature: [signature]

Material/Note(s):

[illegible]

Grid 2

Number of Tickets: 241615

IMPACT

[illegible]

Gross Weight: 84020 Gross Weight: 78920

Tare: 24.01 Tare Weight: 30900

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-6900

Received By (print): [signature]

Receiving Facility:

[illegible]

Date/Time: 4/16/15 9:58am

By signing, the receiver the trailer accepts that is solely responsible for the amount of material that is being transported as well as the methods and means by which it is

Driver Sig: [signature]

Phase III Environmental, LLC

Former NJ Zinc Facility
1120 Mauch Chunk Road
Palmerton, Pennsylvania 18071

Manifest Number: 241,615

Ticket Number: 1036713 36713

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):

Phipps Plaza South
325 East 25th St.
New York NY 10010

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

PA REG FILL

NOTES:

WEIGHT

GROSS/TARE/NET (lbs):

78920 lb
30900 lb
48020 lb

NET (Tons):

24.010 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket I hereby certify that the above named material has been accepted by this facility and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 285.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility and that I removed the seal upon the removal of the tarp cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
4/16/15	9:57 am	9:58 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

MENDEZ

Driver Name and Signature (conditional):

Truck Plate Number:

AP792H

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any instances of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

Authorized By (print): Michael Gaul

Authorized By (title): Agent of Phipps

Authorized By (sig): Michael

Time: 7:27 Date: 4/16/15

Transporter:

Mendez Trucking #13

Received By:

Truck/Trailer Plate: AP 27[illegible]K

Driver Signature:

Date: 4/16/2015

Material/Note(s):

Grid 2

Manifest Number: 241616

IMPACT

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Gross Weight: 57760 Gross Weight: 86440

Net Weight: 28.88 Net Weight: 25680

Ticket Number: 1036717

Receiving Facility:

Received By (print):

Date/Time: 4/16/2015 10:23am

By signing this manifest the Driver accepts that he is fully responsible for the content of waste that is being transported as well as the materials and tarps for the load.

Driver Sig:

Phase III Environmental, LLC

Former NJ Zinc Facility
1120 Mauch Chunk Road
Palmerton, Pennsylvania 18071

Manifest Number: 241,616

Ticket Number: 1036717 36717

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #

7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address)

Phipps Plaza South
325 East 25th St.
New York NY 10010

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

PA REG FILL

NOTES

WEIGHT

GROSS/TARE/NET (lbs)

86440 lb
28680 lb
57760 lb

NET (Tons)

28.880 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket I hereby certify that the above named material has been accepted by this facility and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 285.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility and that I removed the seal upon the removal of the tarp cover on the truck.

Name of Scale Operator: CIS

Date and Time In and Out	Tare Time	Gross Time
4/16/15	10:22 am	10:22 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

MENDEZ

Driver Name and Signature (conditional):

Truck Plate Number:

AP278K

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

Authorized By (print) Michael Gaul

Authorized By (title) Agent of Phipps

Authorized By (sig) Michael Gaul

Time 7:57 Date 4/16/15

Transporter:

Meder Trucking # 24

Driver (ID) REGER TABER

24

Truck / Trailer Plate A86904

Driver Signature

4-16-15

Material/Note(s):

Grid 2

Manifest Number 241617

IMPACT

Project under the management of Impact Environmental. In case of emergency call 631-2631 8800 or 516-805-8800

Receiving Facility:

Received By (print)

Date/Time 10:31am 4/16/15

By signing this manifest the Hauler accepts that it is solely responsible for the transport of material that is being transported on and for the methods and routes taken to and from

Driver By (sig)

Phase III Environmental, LLC

Former NJ Zinc Facility
1120 Mauch Chunk Road
Palmerton, Pennsylvania 18071

Manifest Number: 241,617

Ticket Number: 1036720 36720

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #

7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address)

Phipps Plaza South
325 East 25th St.
New York NY 10010

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material

PA REG FILL

NOTES

WEIGHT

GROSS/TARE/NET (lbs)

80860 lb
27400 lb
53460 lb

NET (Tons)

26.730 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 285.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator

CIS

Date and Time In and Out	Tare Time	Gross Time
4/16/15	10:30 am	10:30 am

Scale Operator Notes

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #.

MENDEZ

Driver Name and Signature (conditional)

Truck Plate Number

AP690W

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

Authorized By (print) Michael Coel

Authorized By (title) Asst of Phases

Authorized By (sig)

Time 12:00 Date 4/16/15

Transporter:

Mendez

Driver By: Mario

Truck/Trailer Plate AF874P

Driver Signature

12:00 4-16-15

Material/Note(s):

Grid 2

Number Number 241618

IMPACT

NET WEIGHT 71340 GROSS WEIGHT 98060

TARE 35.67 TARE WEIGHT 26720

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Receiving Facility:

Date/Time 4/16/15 2:54pm

By signing this manifest the hauler accepts full responsibility for the safety of material that is being transported as well as the methods and means for its transit.

Driver By (sig)

Phase III Environmental, LLC

Former NJ Zinc Facility
1120 Mauch Chunk Road
Palmerton, Pennsylvania 18071

Manifest Number: 241,618

Ticket Number: 1036744 36744

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):

Phipps Plaza South
325 East 25th St.
New York NY 10010

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

PA REG FILL

NOTES:

WEIGHT

GROSS/TARE/NET (lbs):

98060 lb
26720 lb
71340 lb

NET (Tons):

35.670 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the tarp cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out	Tare Time	Gross Time
4/16/15	2:53 pm	2:53 pm

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

MENDEZ

Driver Name and Signature (conditional):

Truck Plate Number:

AP874P

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any accidents or overbearing or vehicle equipment failure/hazards associated with this vehicle to the owner of the vehicle and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

[illegible]

Authorized By (print): Michael Gow

Authorized By (title): Agent of Phiggs

Authorized By (sig): [signature]

Date: 9/16/15

Transporter:

Mendez Trucking

Driver By: LUIS ABREU

Truck/Trailer Plate: AP 790H

Driver Signature: [signature]

Material Number: 241619

IMPACT

Material/Note(s):

Grid 2

Project under the management of Impact Environmental. In case of emergency call 516-268-8810 or 516-805-8910

Receiving Facility:

[illegible]

Received By (print): [illegible]

Date/Time: 9/16/15 3:40 PM

By signing this manifest the driver or owner or agent is responsible for the amount of material that is being transported as well as the methods and routes for the transport.

Driver By (sig): [signature]

Phase III Environmental, LLC

Former NJ Zinc Facility
1120 Main Chunk Road
Palmerton, Pennsylvania 18071

Manifest Number: 241,619

Ticket Number: 1036747 36747

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):

Phipps Plaza South
325 East 25th St.
New York NY 10010

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

PA REG FILL

NOTES:

WEIGHT

GROSS/TARE/NET (lbs):

91120 lb
30900 lb
60220 lb

NET (Tons):

30.110 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 285.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out: 4/16/15 Tare Time: 3:09 pm Gross Time: 3:10 pm

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

MENDEZ

Driver Name and Signature (conditional):

Truck Plate Number:

AP792H

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all public safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

Authorized By (print) Michael Gad

Authorized By (title) Agent of Phipps

Authorized By (sign) Michael Gad

Date 4/16/15

Transporter:

Mendez Trucking

Driven By

Truck / Trailer Plate

Driver Signature

Ticket # 241620

IMPACT

Material/Note(s):

Grid 2

Project under the management of Impact Environmental. In case of emergency call 631-269 8811 or 516-805-4800

Received By (print)

Date/Time 4/16/15 3:29pm

Receiving Facility:

By signing this manifest the trucker accepts full responsibility for the safe transportation of the material listed as well as the methods employed for its removal.

Driven By (sign)

Phase III Environmental, LLC

Formers NJ Zinc Facility
1120 Main Chunk Road
Palmerton, Pennsylvania 18071

Ma. Rest Number: 241.620

Ticket Number: 1036749 36749

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):

Phipps Plaza South
325 East 25th St.
New York NY 10010

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

PA REG FILL

NOTES:

WEIGHT

GROSS/TARE/NET (lbs):

85900 lb
28680 lb
57220 lb

NET (Tons):

28.610 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 285.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

GIS

Date and Time In and Out:	Tare Time	Gross Time
4/16/15	3:28 pm	3:28 pm

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

MENDEZ

Driver Name and Signature (conditional):

Truck Plate Number:

AP278K

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Total # of Loads:	3	Wet Surcharge Tonnage:	0.00
Total Tonnage Shipped:	92.58	Light Load Surcharge Tonnage:	0
Average Tons per Load:	30.86	Total Tonnage (corrected for light loads):	0.00

Load#	Date	transporter	Truck #	Facility	Time In	Time Out	Manifest	Tons
1	4/14/2015	Mendez	98	Bayshore			57083	28.12
2	4/14/2015	Mendez	98	Bayshore			57080	32.72
3	4/14/2015	Mendez	98	Bayshore			57082	31.74
4								
5								
6								
7								
8								
9								

Non Hazardous Manifest/Bill Of Lading

All correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 57083

Job/Project # 108829

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp Phipps Plaza South
902 Broadway, 13th Floor 325 East 25th Street
New York, NY 10010 Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non Hazardous Soil	2714-1098	EST. 22 Tons
		Grid 1 0'-8'		28.12 (T)

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE [signature]
PRINT NAME Krewe Gail
DATE 4/14/15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME Mendez Trucking - Bellmawr ADDRESS PHONE NO. ( ) -

VEHICLE I.D. NO. AP 7924 STATE NJ BOX NUMBER-IN #798 BOX NUMBER-OUT COMMENTS

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE [signature]
PRINT DRIVER'S NAME LUIZ ABREU
DATE 04/14/15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME Bayshore Soil Management, LLC ADDRESS 75 Crows Mill Road Keasbey, NJ 08832 PHONE NO. 732-738-6000

COMMENTS 458.657

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE [signature]
PRINT NAME
DATE 04/14/15

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 57083

Job/Project # 108829

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS	IN CASE OF EMERGENCY OR SPILL CONTACT
K825 Housing Development Fund Corp Phipps Plaza South 902 Broadway, 13th Floor 325 East 25th Street New York, NY 10010 Manhattan, NY 10010	Rapid Response Inc. 24 HOUR EMERGENCY PHONE # 877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non Hazardous Soil	2714-1098	EST. 22 Tons
		VERIFIED BY		

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE | DATE

PRINT NAME

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME	ADDRESS	PHONE NO.
		( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE | DATE

PRINT DRIVER'S NAME

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME	ADDRESS	PHONE NO.
Bayshore Soil Management, LLC	75 Crows Mill Road Keasbey, NJ 08832	732-738-6000

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE | DATE

PRINT NAME

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 57080

Job/Project # 108829

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp Phipps Plaza South
902 Broadway, 13th Floor 325 East 25th Street
New York, NY 10010 Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non Hazardous Soil	2714-1098	EST. 22 Tons
		Grid 1		32.72 (T)

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME Michael Gawl

DATE 4/14/15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME Mendez Trucking — ADDRESS Belleville

PHONE NO. ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AP-7924	NJ	#98		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE

PRINT DRIVER'S NAME Luis Arbelo

DATE 04/14/15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME Bayshore Soil Management, LLC

ADDRESS 75 Crows Mill Road
Keasbey, NJ 08832

PHONE NO. 732-738-6000

COMMENTS 488857

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE 04/14/15

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 57080

Job/Project # 108829

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp Phipps Plaza South
902 Broadway, 13th Floor 325 East 25th Street
New York, NY 10010 Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non Hazardous Soil	2714-1098	EST. 22 Tons
		Verified By Joseph Sila		

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME

DATE

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME	ADDRESS	PHONE NO.
Mendez Trucking — Belleville		( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AP7724	NJ	1098		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE

PRINT DRIVER'S NAME Luis Mendez

DATE 04/14/15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME	ADDRESS	PHONE NO.
Bayshore Soil Management, LLC	75 Crows Mill Road Keasbey, NJ 08832	732-738-8000

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE

Customer Receiving Corp.
ATTN: ACCTS PAY
PO Box 7485
Knoxville, TN 60654

Facility ID: 1-3357

Ticket: 470836
Date: 6/14/2015
Time: 14:06:20 - 14:08:33
Scale:
Gross: 80,120 lb Tu Scale 1
Tare: 31640 lb P.T.
Net: 48480 lb
Chips: 25 License: AE79201
Truck Type: TRIAXLE

Pre-Tender: 48480/PSBOFF16
14 OFFICE KILN COURT
HUNTINGTON, WV 10867
Truck: AE79201

Carrier: RUBBER DEDUCTED

Permit #: 57082
Newsprint: 0.65 TN

Profiles: 7716 1000/PULPING PLAN SORTD
Generators: PULPING PLANT SORTD
Comments:

Origin	Materials & Services	Quantity Unit
Mandatory	1002 PAS	31.74 tons

THE ABOVE IS CORRECT AND ACCURATE TO THE BEST OF MY KNOWLEDGE

Driver: _____ Weighmaster: Tom C

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 57082

Job/Project # 108829

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp Phipps Plaza South
902 Broadway, 13th Floor 325 East 25th Street
New York, NY 10010 Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non Hazardous Soil	2714-1098	EST. 22 Tons
		Grid 1		31.74 (t)

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME Michael Gail

DATE 4/14/15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME Mendez Trucking - Belleville

ADDRESS

PHONE NO. ( ) -

VEHICLE I.D. NO. AP7921H

STATE NJ

BOX NUMBER-IN #98

BOX NUMBER-OUT

COMMENTS

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE

PRINT DRIVER'S NAME Luis Abreu

DATE 04/14/15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME Bayshore Soil Management, LLC

ADDRESS 75 Crows Mill Road
Keasbey, NJ 08832

PHONE NO. 732-738-6000

COMMENTS 459036 459036

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE 04/14/15

4-14-15

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 57082

Job/Project # 108629

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp Phipps Plaza South
902 Broadway, 13th Floor 325 East 25th Street
New York, NY 10010 Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non Hazardous Soil	2714-1098	EST. 22 Tons
		Verified By Joseph Bila		

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME

DATE

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME

ADDRESS

PHONE NO. ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE

PRINT DRIVER'S NAME

DATE

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME
Bayshore Soil Management, LLC

ADDRESS
75 Crows Mill Road
Keasbey, NJ 08832

PHONE NO.
732-738-6000

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE

Total # of Loads:	9	Wet Surcharge Tonnage:	0.00
Total Tonnage Shipped:	279.78	Light Load Surcharge Tonnage:	0
Average Tons per Load:	31.0866667	Total Tonnage (corrected for light loads):	0.00

Load#	Date	transporter	Truck #	Facility	Time In	Time Out	Manifest	Tons
1	5/14/2015	Mendez	98	Bayshore			57081	30.00
2	5/14/2015	Mendez	55	Bayshore			56770	32.86
3	5/14/2015	Mendez	89	Bayshore			56769	29.96
4	5/14/2015	Mendez	89	Bayshore			57077	30.47
5	5/14/2015	Mendez	55	Bayshore			57079	33.02
6	5/14/2015	Mendez	98	Bayshore			57078	29.77
7	5/14/2015	Mendez	36	Bayshore			56767	32.75
8	5/14/2015	Mendez	29	Bayshore			57076	30.24
9	5/14/2015	Mendez	62	Bayshore			56768	30.71
10								
11								
12								

Bayshore Recycling Corp.
75 Crows Mill Rd
PO Box 290
Keasbey, NJ 08832

Facility ID: 132397

Ticket: 473508
Date: 5/14/2015
Time: 08:10:02 - 08:10:05

Scale

Gross: 91640 lb In Scale 2
Tare: 31640 lb P.T.
Net: 60000 lb

Customer: EWMI/BSM0216
14 BRICK KILN COURT
NORTHAMPTON, PA 18067-

Truck: AP792H

CUYDs: 25 License: AP792H

Truck Type: TRIAXLE

Carriers: MENDEZ TRUCKING

PO: 100829

Manifest: 57081
Remaining: 0.00 TN

Profile: 2714-1098/PHIPPS PLAZA SOUTH
Generator: PHIPPS PLAZA SOUTH
Comment:

Origin	Materials & Services	Quantity Unit
Manhattan	ID27 PCS	30.00 Tons

THE ABOVE IS CORRECT AND NON-HAZARDOUS TO THE BEST OF MY KNOWLEDGE

Driver: _____

Weighmaster: Alec

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 57081

Job/Project # 108829

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp Phipps Plaza South
902 Broadway, 13th Floor 325 East 25th Street
New York, NY 10010 Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non Hazardous Soil	2714-1098	EST. 22 Tons
				30.00 (T)
		Grid 1		

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE [signature]
PRINT NAME Michael Grill
DATE 5/14/15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME: Mendez Trucking – Belleville
ADDRESS:
PHONE NO.: ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AP 792 H	NJ	#98		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE [signature]
PRINT DRIVER'S NAME Luis Arbeu
DATE 05/14/15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME: Bayshore Soil Management, LLC
ADDRESS: 75 Crows Mill Road, Keasbey, NJ 08832
PHONE NO.: 732-738-6000

COMMENTS: 473508

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE [signature]
PRINT NAME [signature]
DATE 05/14/15

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 57081

Job/Project # 108829

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp Phipps Plaza South
902 Broadway, 13th Floor 325 East 25th Street
New York, NY 10010 Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non Hazardous Soil	2714-1098	EST 22 Tons

Verified By JBH

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME

DATE 5/14/15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME	ADDRESS	PHONE NO.
[illegible]	[illegible]	( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
[illegible]	NJ			

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE [illegible]

PRINT DRIVER'S NAME [illegible]

DATE [illegible]

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME	ADDRESS	PHONE NO.
Bayshore Soil Management, LLC	75 Crows Mill Road Keasbey, NJ 08832	732-738-6000

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE

Bayshore Recycling Corp.
75 Crows Mill Rd
PO Box 290
Keasbey, NJ 08832

Facility ID: 132397

Ticket: 473527
Date: 5/14/2015
Time: 08:27:15 - 08:27:22

Customer: EVMI/BSM0216
14 BRICK KILN COURT
NORTHAMPTON, PA 18067-

Truck: AS520B

Scale

Gross: 94940 lb In Scale 1
Tare: 29220 lb P.T.
Net: 65720 lb

CUYDs: 25 License: AS520B
Truck Type: TRIAXLE

Carrier: MENDEZ TRUCKING

Manifest: 56770
Remaining: 0.00 TN

Profile: 2714-1098/PHIPPS PLAZA SOUTH
Generator: PHIPPS PLAZA SOUTH
Comments:

Origin	Materials & Services	Quantity	Unit
Manhattan	ID27 PCS	32.86	Tons

THE ABOVE IS CORRECT AND NON-HAZARDOUS TO THE BEST OF MY KNOWLEDGE

Driver: _____

Weighmaster: Joe S

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 56770

Job/Project # 108829

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp Phipps Plaza South
902 Broadway, 13th Floor 325 East 25th Street
New York, NY 10010 Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non Hazardous Soil	2714-1098	EST. 22 Tons
		Grid 1		
				32.86 (T)

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE [signature]

PRINT NAME Michael Gaul

DATE 5/14/15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME MENDEZ TRUCKING ADDRESS 490 UNION AVE BELLEVILLE, NJ 07109 PHONE NO. ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
#55 AS5208	NJ	7:00AM.	7:30AM	

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE [signature]

PRINT DRIVER'S NAME CARLOS CORREA

DATE 5/14/15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME Bayshore Soil Management, LLC ADDRESS 75 Crows Mill Road Keasbey, NJ 08832 PHONE NO. 732-738-6000

COMMENTS 473527

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE [signature]

PRINT NAME [signature]

DATE 05/14/15

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 56767

Job/Project # 108829

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp Phipps Plaza South
902 Broadway, 13th Floor 325 East 25th Street
New York, NY 10010 Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT

Rapid Response Inc.

24 HOUR EMERGENCY PHONE #

877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non Hazardous Soil	2714-1098	EST. 22 Tons
		Cont		
		Verified by JSH		

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME Mike Cont Cont

DATE 5/14/15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME	ADDRESS	PHONE NO.
MENDEZ TRUCKING		( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AN9435	NJ	#36		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE

PRINT DRIVER'S NAME Luis Aguilar

DATE 5-14-15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME	ADDRESS	PHONE NO.
Bayshore Soil Management, LLC	75 Crows Mill Road Keasbey, NJ 08832	732-738-6000

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE

Bayshore Recycling Corp.
75 Crows Mill Rd
PO Box 290
Keasbey, NJ 08832

Facility ID: 132397

Ticket: 473530
Date: 5/14/2015
Time: 08:12:06 - 08:29:28

Customer: EWMI/BSM0216
14 BRICK KILN COURT
NORTHAMPTON, PA 18067-

Truck: AS354M

Scale

Gross: 89860 lb In Scale 1
Tare: 29940 lb Out Scale 3
Net: 59920 lb

CUYDs: 25

License: AS354M
Truck Type: TRIAXLE

Carrier: MENDEZ TRUCKING

Manifest: 56769
Remaining: 0.00 TN

Profile: 2714-1098/PHIPPS PLAZA SOUTH
Generator: PHIPPS PLAZA SOUTH
Comment:

Origin	Materials & Services	Quantity	Unit
Manhattan	ID27 PCS	29.96	Tons

THE ABOVE IS CORRECT AND NON-HAZARDOUS TO THE BEST OF MY KNOWLEDGE

Driver: Melo

Weighmaster: Mark

Non Hazardous Manifest/Bill Of Lading

AS354M

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 56769

Job/Project # 108829

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp Phipps Plaza South
902 Broadway, 13th Floor 325 East 25th Street
New York, NY 10010 Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT

Rapid Response Inc.

24 HOUR EMERGENCY PHONE #

877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non Hazardous Soil	2714-1098	EST. 22 Tons
		Grid 1		29.96 (T)

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE [signature]

PRINT NAME Michael Gaul

DATE 5/14/15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME MENDEZ TRUCKING

ADDRESS BELLEVILLE

PHONE NO. (973) 979-0000

VEHICLE I.D. NO. 89 AS354M

STATE NJ

BOX NUMBER-IN

BOX NUMBER-OUT

COMMENTS 5/14/15

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE [signature]

PRINT DRIVER'S NAME Pedro Alvarez

DATE

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME Bayshore Soil Management, LLC

ADDRESS 75 Crows Mill Road Keasbey, NJ 08832

PHONE NO. 732-738-6000

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE [signature]

PRINT NAME

DATE 05/14/15

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 56769

Job/Project # 108829

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp Phipps Plaza South
902 Broadway, 13th Floor 325 East 25th Street
New York, NY 10010 Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non Hazardous Soil	2714-1098	EST. 22 Tons

Verified By Joseph Dalton

I Hereby certify, that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME

DATE 5/15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME

ADDRESS

PHONE NO. ( ) -

VEHICLE I.D. NO.

STATE

BOX NUMBER-IN

BOX NUMBER-OUT

COMMENTS

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE

PRINT DRIVER'S NAME

DATE

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME
Bayshore Soil Management, LLC

ADDRESS
75 Crows Mill Road
Keasbey, NJ 08832

PHONE NO.
732-738-8000

COMMENTS

Hereby certify that the above described wastes were elivered to this Facilify, that the Facility is authorized nd permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE

Bayshore Recycling Corp.
75 Crows Mill Rd
PO Box 290
Keasbey, NJ 08832

Facility ID: 132397

Ticket: 473751
Date: 5/14/2015
Time: 11:26:36 - 11:26:38

Scale

Customer: EWMI/BSM0216
14 BRICK KILN COURT
NORTHAMPTON, PA 18067-

Gross: 91100 lb In Scale 2
Tare: 30160 lb P.T.
Net: 60940 lb

Truck: AS354M

CUYDs: 25

License: AS354M
Truck Type: TRIAXLE

Carrier: MENDEZ TRUCKING

PO: 100829

Manifest: 57077
Remaining: 0.00 TN

Profile: 2714-1090/PHIPPS PLAZA SOUTH
Generator: PHIPPS PLAZA SOUTH
Comment:

Origin	Materials & Services	Quantity	Unit
Manhattan	ID27 PCS	30.47	Tons

THE ABOVE IS CORRECT AND NON-HAZARDOUS TO THE BEST OF MY KNOWLEDGE

Drivers: Carl

Weighmaster: Eamonn

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 57077

Job/Project # 108829

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp Phipps Plaza South
902 Broadway, 13th Floor 325 East 25th Street
New York, NY 10010 Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non Hazardous Soil	2714-1098	EST. 22 Tons
		Grid 1		30.47 (T)

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME Michael Gaul

DATE 5/14/15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME MENDEZ

ADDRESS 490 UNION AV BELLEVILLE NJ

PHONE NO. 973 1979-0100

VEHICLE I.D. NO. 89 AS354M

STATE NJ

BOX NUMBER-IN

BOX NUMBER-OUT

COMMENTS 5/14/15

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE Belso Arbos

PRINT DRIVER'S NAME Belso Arbos

DATE

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME Bayshore Soil Management, LLC

ADDRESS 75 Crows Mill Road Keasbey, NJ 08832

PHONE NO. 732-738-6000

COMMENTS 473751

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE 05/14/15

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 57077

Job/Project # 108829

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp Phipps Plaza South
902 Broadway, 13th Floor 325 East 25th Street
New York, NY 10010 Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non Hazardous Soil	2714-1098	EST. 22 Tons
		Soil 1		
		Verified by JSR		

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME

DATE 5/18/15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME

ADDRESS

PHONE NO. ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE

PRINT DRIVER'S NAME

DATE

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME
Bayshore Soil Management, LLC

ADDRESS
75 Crows Mill Road
Keasbey, NJ 08832

PHONE NO.
732-738-6000

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE

Bayshore Recycling Corp.
75 Crows Mill Rd
PO Box 290
Keasbey, NJ 08832

Facility ID: 132397

Ticket: 473776
Date: 5/14/2015
Time: 11:46:35 - 11:46:50

Customer: EWMI/BSM0216
14 BRICK KILN COURT
NORTHAMPTON, PA 18067-

Truck: AS520B

Carrier: MENDEZ TRUCKING

Profile: 2714-1098/PHIPPS PLAZA SOUTH
Generator: PHIPPS PLAZA SOUTH
Comment:

		Scale	
Gross:	95260 lb	In	Scale 1
Tare:	29220 lb		P.T.
Net:	66040 lb		

CUYDs: 25
License: AS520B
Truck Type: TRIAXLE

Manifest: 57079
Remaining: 0.00 TN

Origin	Materials & Services	Quantity	Unit
Manhattan	ID27 PCS	33.02	Tons

THE ABOVE IS CORRECT AND NON-HAZARDOUS TO THE BEST OF MY KNOWLEDGE

Driver:

Weighmaster: Joe S

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 57079

Job/Project # 108829

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp Phipps Plaza South
902 Broadway, 13th Floor 325 East 25th Street
New York, NY 10010 Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non Hazardous Soil	2714-1098	EST. 22 Tons
		Grid 1		33.02 (T)

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE [signature]

PRINT NAME Michael Gaul

DATE 5/14/15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME MENDEZ TRUCKING

ADDRESS 490 UNION AVE BELLEVILLE, NJ 07109

PHONE NO. ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
#55 AS5208	NJ	10:15 AM	10: 40AM	

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE [signature]

PRINT DRIVER'S NAME CARLOS CORREA

DATE 5/14/15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME Bayshore Soil Management, LLC

ADDRESS 75 Crows Mill Road Keasbey, NJ 08832

PHONE NO. 732-738-6000

COMMENTS 473776

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE [signature]

PRINT NAME [illegible]

DATE 05/14/15

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 57079

Job/Project # 108829

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp Philpps Plaza South
902 Broadway, 13th Floor 325 East 25th Street
New York, NY 10010 Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non Hazardous Soil	2714-1098	EST. 22 Tons
		(Soil)		
		Verified By		

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME (Soil)

DATE 5/14/15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME MENDEZ TRUCKING

ADDRESS 490 UNION AVE Belleville, NJ 07109

PHONE NO. ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
#55 AS5208	NJ	10:15 AM	10:40 AM	

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE

PRINT DRIVER'S NAME CARLOS COLLEN

DATE 5/14/15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME
Bayshore Soil Management, LLC

ADDRESS
75 Crows Mill Road
Keasbey, NJ 08832

PHONE NO.
732-738-6000

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE

Bayshore Recycling Corp.
75 Crows Mill Rd
PO Box 290
Keasbey, NJ 08832

Facility ID: 132397

Ticket: 473799
Date: 5/14/2015
Time: 12:03:27 - 12:03:30

Scale

Customer: EWMI/BSM0216
14 BRICK KILN COURT
NORTHAMPTON, PA 18067-
Truck: AP792H

Gross: 91180 lb In Scale 2
Tare: 31640 lb P.T.
Net: 59540 lb
CUYDs: 25 License: AP792H
Truck Type: TRIAXLE

Carriers: MENDEZ TRUCKING

PO: 100829 Manifest: 57078
Profile: 2714-1090/PHIPPS PLAZA SOUTH Remaining: 0.00 TN
Generator: PHIPPS PLAZA SOUTH
Comment:

Origin	Materials & Services	Quantity Unit
Manhattan	ID27 PCS	29.77 Tons

THE ABOVE IS CORRECT AND NON-HAZARDOUS TO THE BEST OF MY KNOWLEDGE

Driver: Luz

Weighmaster: Eamonn

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 57078

Job/Project # 108829

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp Phipps Plaza South
902 Broadway, 13th Floor 325 East 25th Street
New York, NY 10010 Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non Hazardous Soil	2714-1098	EST. 22 Tons
		Gavl		29.77(T)

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME Michael Gavl

DATE 5/14/15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME: Mendez Trucking – Belleville

ADDRESS

PHONE NO. ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AP792#	NJ	#98		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE

PRINT DRIVER'S NAME Luis Abreu

DATE 05/14/15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME: Bayshore Soil Management, LLC

ADDRESS: 75 Crows Mill Road
Keasbey, NJ 08832

PHONE NO. 732-738-6000

COMMENTS 473799

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE 05/14/15

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 57078

Job/Project # 108829

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp
902 Broadway, 13th Floor
New York, NY 10010

Phipps Plaza South
325 East 25th Street
Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non Hazardous Soil	2714-1098	EST. 22 Tons
		Cell		
		Verified By		

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME

DATE 5/11/15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME	ADDRESS	PHONE NO.
Meinhardt Towing - Belleville		( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AP7928	NJ	398		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE

PRINT DRIVER'S NAME Eric Aberra

DATE 5/11/15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME	ADDRESS	PHONE NO.
Bayshore Soil Management, LLC	75 Crows Mill Road Keasbey, NJ 08832	732-738-6000

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE

Bayshore Recycling Corp.
75 Crows Mill Rd
PO Box 298
Keasbey, NJ 08832

Facility ID: 132397

Ticket: 473825
Date: 5/14/2015
Time: 12:22:34 - 12:22:42

Scale

Customer: EWMI/BSM0216
14 BRICK KILN COURT
NORTHAMPTON, PA 18067-
Truck: AN843J

Gross: 94740 lb In Scale 2
Tare: 29240 lb P.T.
Net: 65500 lb
CUYDs: 25 License: AN843J
Truck Type: TRIAXLE

Carrier: MENDEZ TRUCKING

PO: 100829

Manifest: 56767
Remaining: 0.00 TN

Profile: 2714-1098/PHIPPS PLAZA SOUTH
Generator: PHIPPS PLAZA SOUTH
Comment:

Origin	Materials & Services	Quantity	Unit
Manhattan	ID27/PCS	32.75	Tons

THE ABOVE IS CORRECT AND NON-HAZARDOUS TO THE BEST OF MY KNOWLEDGE

Driver: _____ Weighmaster: Eamonn

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 56767

Job/Project # 108829

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp Phipps Plaza South
902 Broadway, 13th Floor 325 East 25th Street
New York, NY 10010 Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT

Rapid Response Inc.

24 HOUR EMERGENCY PHONE #

877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non Hazardous Soil	2714-1098	EST. 22 Tons
		Grid 1		32.75(T)

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in propar condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME Michael Geavl

DATE 5/14/15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME MENDEZ TRUCKING

ADDRESS

PHONE NO. ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AN843J	NJ	#36		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE

PRINT DRIVER'S NAME Luis AGUILAR

DATE 5-14-15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME Bayshore Soil Management, LLC

ADDRESS 75 Crows Mill Road Keasbey, NJ 08832

PHONE NO. 732-738-6000

COMMENTS 473825

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME Alec Kasprzyk

DATE 5/14/15

Bayshore Recycling Corp.
75 Crows Mill Rd
PO Box 290
Keasbey, NJ 08832

Facility ID: 132397

Ticket: 473858
Date: 5/14/2015
Time: 12:43:14 - 12:43:21

Customer: EWMI/BSM0216
14 BRICK KILN COURT
NORTHAMPTON, PA 18067-
Truck: AP256H

Scale

Gross: 90060 lb In Scale 1
Tare: 29580 lb P.T.
Net: 60480 lb
CUYDs: 25 License: AP256H
Truck Type: TRIAXLE

Carrier: MENDEZ TRUCKING

Manifest: 57076
Remaining: 0.00 TN

Profile: 2714-1098/PHIPPS PLAZA SOUTH
Generator: PHIPPS PLAZA SOUTH
Comments:

Origin	Materials & Services	Quantity	Unit
Manhattan	ID27 DBS	30.24	Tons

THE ABOVE IS CORRECT AND NON-HAZARDOUS TO THE BEST OF MY KNOWLEDGE

Driver: _____

Weighmaster: Joe S

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 57076

Job/Project # 108829

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp Phipps Plaza South
902 Broadway, 13th Floor 325 East 25th Street
New York, NY 10010 Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non Hazardous Soil	2714-1098	EST. 22 Tons
		Gw1		
				30.24 (T)

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME Michael Cowl

DATE 5/14/15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME DiRemolles

ADDRESS

PHONE NO. ( ) -

VEHICLE I.D. NO. AP256H

STATE NJ

BOX NUMBER-IN # 29

BOX NUMBER-OUT

COMMENTS

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE Adrian

PRINT DRIVER'S NAME Adrian

DATE 5-14-15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME Bayshore Soil Management, LLC

ADDRESS 75 Crows Mill Road
Keasbey, NJ 08832

PHONE NO. 732-738-6000

COMMENTS 473858

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE 05/14/15

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 57076

Job/Project # 108929

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS	IN CASE OF EMERGENCY OR SPILL CONTACT
KB25 Housing Development Fund Corp Phipps Plaza South 902 Broadway, 13th Floor 325 East 25th Street New York, NY 10010 Manhattan, NY 10010	Rapid Response Inc. 24 HOUR EMERGENCY PHONE # 877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non Hazardous Soil	2714-1098	EST 22 Tons
		Cogil		
		VERIFIED BY		
		Joseph Sala		

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME Michael Cogil

DATE 5/14/11

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME	ADDRESS	PHONE NO.
DiCamillo	Sea	( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
9P256H	NJ	# 29		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE

PRINT DRIVER'S NAME

DATE 5-14-11

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME	ADDRESS	PHONE NO.
Bayshore Soil Management, LLC	75 Crows Mill Road Keasbey, NJ 08832	732-738-6000

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE

Bayshore Recycling Corp.
75 Crows Mill Rd
PO Box 290
Keasbey, NJ 08832

Facility ID: 132397

Ticket: 473861
Date: 5/14/2015
Time: 12:48:49 - 12:48:55

Customer: EWMI/BSM0216
14 BRICK KILN COURT
NORTHAMPTON, PA 18067

Scale

Gross: 90500 lb In Scale 1
Tare: 29080 lb P.T.
Net: 61420 lb

Truck: AP865P
CUYDs: 25
License: AP865P
Truck Type: TRIAXLE

Carrier: MENDEZ TRUCKING

Manifest: 56768
Remaining: 0.00 TN

Profile: 2714-1098/PHIPPS PLAZA SOUTH
Generator: PHIPPS PLAZA SOUTH
Comment:

Origin	Materials & Services	Quantity	Unit
Manhattan	1D27 PCS	30.71	Tons

THE ABOVE IS CORRECT AND NON-HAZARDOUS TO THE BEST OF MY KNOWLEDGE

Driver: _____

Weighmaster: Joe G

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 56768

Job/Project # 108829

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp Phipps Plaza South
902 Broadway, 13th Floor 325 East 25th Street
New York, NY 10010 Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non Hazardous Soil	2714-1098	EST. 22 Tons
		Grid 1		30.71 (T)

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME Michael Grid

DATE 5/14/15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME Mendez Trucking

ADDRESS 490 Union ave Belleville

PHONE NO. ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AP 865 P		62		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE Melchor Deloo

PRINT DRIVER'S NAME

DATE 5/14/15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME Bayshore Soil Management, LLC

ADDRESS 75 Crows Mill Road Keasbey, NJ 08832

PHONE NO. 732-738-6000

COMMENTS 478861

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE 05/14/16

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 56768

Job/Project # 108829

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp — Phipps Plaza South
902 Broadway, 13th Floor — 325 East 25th Street
New York, NY 10010 — Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non Hazardous Soil	2714-1098	EST 22 Tons
		Cat 1		
		Verified By		

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME

DATE 5/14/15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME	ADDRESS	PHONE NO.
		( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE

PRINT DRIVER'S NAME

DATE

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME	ADDRESS	PHONE NO.
Bayshore Soil Management, LLC	75 Crows Mill Road Keasbey, NJ 08832	732-738-6000

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE

Environmental Waste Minimization Inc.

14 Brick Kiln Court • Northampton, PA 18067
Tel. (484) 275-6900 Fax (484) 275-6970
www.ewmi-info.com

DAILY RECORD

Project #: 108829 Date: 5-6-15 Day:

Customer: Monadnock Customer Contact: Joe Stila

Job Location: 325 East 25th st Manhattan, NY Customer Phone: 845-825-0133

NAMES	CODE	START	O.S. START	O.S. FINISH	FINISH	Total Hour
Trevor B	Pm	430	700	830	830	4
Subcontractor	**CODE**	**START**	**O.S. START**	**O.S. FINISH**	**FINISH**	**Total Hour**

QTY	MATERIALS / CONSUMABLES
1	PPE Level- (Circle One) Mod -D D C B

EQUIPMENT	QTY
T-187	1
Hp Laptop	1

EQUIPMENT	QTY

DISPOSAL /

JOB DESCRIPTION / REMARKS

- I arrived on site at 645 and scooped out the job site and then met with Joe(Mondanock) to discuss today's load outs and future Load outs so we can staff the job if need be.
- Joe stated that hopefully within a week they will be hauling out steadily with more trucks from Grid 3 8'-12'. I asked him how Things are going and he said they are moving along just fine.
- I checked on paperwork so that they did not run out of manifest being that we are not on site. The manifest left on site are: PPark 30, Lyndhurst 100+, Bayshore 64, and Palmerton 16.
- After checking on the manifest I went out to watch a round of load outs take place. The trucks were here by 7 but they didn't start Loading them until 715. It takes quite some time to load trucks here because of the tight area. Each truck takes 15 min to load.
- Both trucks were finished and on their way to Palmerton by 745.
- After the trucks were done I met with Joe to see if he needed anything else and then I headed to my next job.

Weather: Cloudy Temperature: 65 °F

Customer Signature: Representative: Trevor Borger

Date: Date: 5-6-15

Original - Customer Copy

Total # of Loads:	4	Wet Surcharge Tonnage:	0.00
Total Tonnage Shipped:	118.55	Light Load Surcharge Tonnage:	0
Average Tons per Load:	29.6375	Total Tonnage (corrected for light loads):	0.00

Load#	Date	transporter	Truck #	Facility	Time In	Time Out	Manifest	Tons
1	5/6/2015	Mendez	89	Palmerton	700	730	241621	26.88
2	5/6/2015	Mendez	55	Palmerton	700	745	241622	29.52
3	5/6/2015	Mendez	89	Palmerton			241623	28.81
4	5/6/2015	Mendez	55	Palmerton			241624	33.34
5								
6								

Transportation Charter / Manifest

Generator:

Michael Gaul

Agent of Phillips

5/6/15

Transporter:

Mendez Trucking

SY

Material/Note(s):

Grid 2

241621

IMPACT

53760 83460

2688 29700

1037579

Project under the management of Impact Environmental. In case of emergency call 631 269 8800 or 516-805-8900

Receiving Facility:

5/6/15 1025

Transportation Charter / Manifest

Generator:

GENERATOR: K825 HOUSING DEVELOPMENT FUND C[illegible]R.
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print)

Authorized By (title)

Authorized By (sig) [signature] 5/6/10

TIME:_____ DATE:_____

Transporter:

2

Driven By [signature]

Truck/Trailer Plate

Driver Signature [signature]

TIME:_____ DATE:_____

Manifest Number 241621

IMPACT ENVIRONMENTAL

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

Cleared by [signature]

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT _____

NET TONS _____ TARE WEIGHT _____

TICKET NUMBER _____

Received By (print)

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) [signature]

FORMER NJ ZINC FACILITY
1120 MACUNGIE CREEK ROAD
PALMERTON, PENNSYLVANIA 18071

Manifest Number: 241,621

Ticket Number: 1037579 37579

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #

7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address)

Phipps Plaza South
325 East 25th St
New York NY 10010

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material

PA REG FILL

WEIGHT

GROSS/TARE/NET (lbs)

83460 lb
29700 lb
53760 lb

NET (Tons)

26.880 tn

NOTES

Part 3 WEIGHT CETIFICATION

Certification. By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 285.214.

Where applicable, I hereby certify that the Transporter Security seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the tarp cover on the truck.

Name of Scale Operator

CIS

Date and Time In and Out	Tare Time	Gross Time
5/6/15	10:24 am	10:25 am

Scale Operator Notes

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #

MENDEZ

Driver Name and Signature (conditional)

Truck Plate Number

AS354M

By signing this ticket the transporter driver accepts sole responsibility, and assumes all liabilities for the gross weight of the above listed vehicle and load as stated at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for complying with all DOT safety laws and regulations for the operation and maintenance of the vehicle while transporting, hauling and leaving the former NJ Zinc facility. Further the driver represents that he or she has visually reported any and all pre-existing or visible damages and/or damages associated with the vehicle to the owner of the vehicle and/or agent for Phase III Environmental, LLC to serve as the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

Authorized By (print): Michael Cruz

Authorized By (Initial): MC

Authorized By (sign): [signature]

Date: 5/6/15

Transporter:

Mendez Trucking #55

Driver: CARLOS CORREA

Truck Number: #55 AS52OR

Driver Signature: [signature]

7:45 5/6/15

241622

IMPACT

Material/Note(s):

Grid 2

Project under the management of Impact Environmental. In case of emergency call 831 233 9800 or 916 805 8000

Load Weight: 29520 Tare Weight: 24000

Ticket Number: 103758

Received By (print): [illegible]

Date/Time: 5/6/15 10:43am

Receiving Facility:

Received By (sign): [signature]

Transportation Charter / Manifest

Generator:

GENERATOR: K826 HOUSING DEVELOPMENT FUND
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print)

Authorized By (title)

Authorized By (sig)

TIME:_____ DATE:_____

Transporter:

2

Driven By

Truck/Trailer Plate

Driver Signature

TIME:_____ DATE: 5/4/15

Manifest Number 241622

IMPACT ENVIRONMENTAL

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

Verified by

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT _____

NET TONS _____ TARE WEIGHT _____

TICKET NUMBER _____

Received By (print)

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Formerly NJ Zinc Facility
1120 Mauch Chunk Road
Palmerton, Pennsylvania 18071

Work Order # 241.622 | Ticket # 1037588 37588

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #

7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address)

Phipps Plaza South
325 East 25th St.
New York NY 10010

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material

PA REG FILL

WEIGHT

GROSS TARE NET (lbs)		NET (Tons)
88040	lb	
29000	lb	29.520 tn
59040	lb	

NOTES

Part 3 WEIGHT CETIFICATION

Certification By signing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code § 95.4.

While approaching, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I witnessed the breaking of the seal upon removal of the load cover on the truck.

Name of Scale Operator

CIS

Date and Time In and Out	Tare Time	Gross Time
5/6/15	10:42 am	10:42 am

Scale Operator Notes

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #

MENDEZ

Driver Name and Signature (conditional):

CARLOS CORREA

Truck Plate Number

AS520B

By signing this ticket, the transport vehicle driver accepts sole responsibility, or otherwise assumes all liabilities for the gross weight of this vehicle as part of a scale load accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and operation of this vehicle when approaching, driving on and leaving the former NJ Zinc facility. Further, the driver represents that he or she will not conceal any incidents of overloading or vehicle equipment failure/concerns associated with the vehicle to the owner of the vehicle and/or transporter or Phase III Environmental, LLC to save any form of malice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

Transportation Charter / Manifest

Generator:

Authorized By (print): Michael Gaul

Authorized By (title): Agent of Phipps

Authorized By (sign): [signature]

Date: 5/6/15

Transporter:

Mendez Trucking

39

Driver's Name: Eliu Alcaraz

Truck / Trailer Plate: 39 A5354 M1

Driver Signature: [signature]

Material/Note(s):

(acid) 2

241623

5620 gal 87520

28x1 29700

1037643

Project under the management of Impact Environmental. In case of emergency call 626 789 8800 or 562 805 8900

Person Discharging: Faith

Receiving Facility:

Date/Time: 5-6-15 3:30 pm

Driver's Signature: [signature]

Transportation Charter / Manifest

Generator:

GENERATOR: K825 HOUSING DEVELOPMENT FUND C[illegible].
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Michael Gaul

Authorized By (title) Agent of Prop

Authorized By (sig)

TIME:_____ DATE: 7/6/11

Transporter:

[illegible]

2

Driven By

Truck/Trailer Plate

Driver Signature

TIME:_____ DATE:_____

Manifest Number 241623

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

[illegible]

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT _____

NET TONS _____ TARE WEIGHT _____

TICKET NUMBER _____

Received By (print)

Date/Time

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Former NJ Zinc Facility
1120 Mauch Chunk Road
Palmerton, Pennsylvania 18071

Vendor Number 241.623

Ticket Number 1037643 37643

SCALE TICKET

Part 1 GENERATOR

Generator Name Address and Telephone #

7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address)

Phipps Plaza South
325 East 25th St
New York NY 10010

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material

PA REG FILL

Notes

WEIGHT

GROSS / TARE / NET (lbs)	NET (Tons)
87320 lb	
29700 lb	
57620 lb	28.810 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 285.214.

Where applicable I hereby certify that the Transporter Security Seal reference in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the tarp cover on the truck.

Name of Scale Operator

CIS

Date and Time In and Out	Tare Time	Gross Time
5/6/15	3:56 pm	3:56 pm

Scale Operator Notes

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name Address and Permit #

MENDEZ

Driver Name and Signature (conditional)

By signing this ticket the transporter vehicle driver accepts sole responsibility and liability for payment of all tipping fees for the gross weight of the above listed material received and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting the above listed material from the former NJ Zinc facility. Further, the driver represents that he or she will promptly report any incidents of overloading or vehicle equipment failure hazards associated with the vehicle to the owner of the vehicle. The driver does so that Phase III Environmental, LLC is serving as a form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

Truck Plate Number

AG354M

ORIGINAL

Transportation Charter / Manifest

Generator:

Authorized By (print): Michael Gaul

Authorized By (title): Agent of Owner

Authorized By (sign): Michael Gaul

Date: 5/6/15 Time: 1:14PM

Transporter:

Mendez Trucking
#55

Driver By: Carlos Carreon

#55

Truck / Trailer No.: AS52203

Driver Signature: Carlos Carreon

Date: 5/6/15 Time: 1:55PM

Material/Note(s):

Grid 2

241624

IMPACT

Project under the management of Impact Environmental Release Personnel, call 858 268 8800 or 562-805-8900

Received By (print): Frank

Date/Time: 5-6-15 @ 4:40PM

Receiving Facility

Driver Signature: Carlos Carreon

Transportation Charter / Manifest

Generator:

GENERATOR: NB26 HOUSING DEVELOPMENT FUND
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print)

Authorized By (title)

Authorized By (sig)

TIME: DATE: 5/6/15

Transporter:

2

Driven By

Truck/Trailer Plate

Driver Signature

TIME: DATE:

Manifest Number 241624

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

Verified By

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT _____

NET TONS _____ TARE WEIGHT _____

TICKET NUMBER _____

Received By (print)

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Former NJ Zinc Facility
1120 Mauch Chunk Road
Palmerton, Pennsylvania 18071

Manifest Number 241,624

Ticket Number 37649

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #
7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address)
Phipps Plaza South
325 East 25th St
New York NY 10010

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material
PA REG FILL

WEIGHT

GROSS / TARE / NET (lbs)	
95680	lb
29000	lb
66680	lb

NET (Tons)
33.340 tn

NOTES

Part 3 WEIGHT CETIFICATION

Certification: By signing this ticket, I hereby certify that the above named material has been accepted by this facility and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.213.

Where applicable, I hereby certify that the Transporter Seal(s) listed in the **Scale Operator Notes** section of this ticket were intact upon entrance to this facility and that I removed the seal(s) upon the removal of the load from the truck.

Name of Scale Operator
CIS

Date and Time In and Out	Tare Time	Gross Time
5/6/15	4:15 pm	4:15 pm

Scale Operator Notes

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #
MENDEZ

Driver Name and Signature (condition)
Carlos Correa

Truck Plate Number
AS5208

By signing, I agree that the transporter and driver accepts sole responsibility for all of the obligations for the gross weight of this delivery [illegible] accepted at the former NJ Zinc facility. I [illegible] that he or she is solely responsible for complying with all [illegible] safety rules or regulations for the operation and maintenance of the vehicle when transporting, loading and leaving the former NJ Zinc facility. Further the driver represents that he or she will [illegible] repair and, in lieu of overweight or vehicle [illegible] hazard is associated with the vehicle to the owner of the vehicle and in turn he will release Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

Environmental Waste Minimization Inc.

14 Brick Kiln Court • Northampton, PA 18067
Tel. (484) 275-6900 Fax (484) 275-6970
www.ewmi-info.com

DAILY RECORD

Project #: 108829 Date: 12-29-14 Day:
Customer: Monadnock Customer Contact: Joe Stila
Job Location: 325 East 25th st Manhattan, NY Customer Phone: 845-825-0133

NAMES	CODE	START	O.S. START	O.S. FINISH	FINISH	Total Hour
Trevor B	Pm	430	700	1445	1700	12.5

Subcontractor	CODE	START	O.S. START	O.S. FINISH	FINISH	Total Hour

QTY	MATERIALS / CONSUMABLES
1	PPE Level- (Circle One) Mod -D D C B

EQUIPMENT	QTY
T-163	1
Hp Laptop	1

EQUIPMENT	QTY

DISPOSAL /

JOB DESCRIPTION / REMARKS

- I arrived on site at 645 and I met with Joe(Monadnock) to discuss todays load outs.
- Today we are only doing 6*2 to Palmerton, at 715 a 7th truck showed up so I called Kristen(EWMI) to make sure we could do 7*2.
- The trucks arrived at 645and started loading at 715, the final truck of the first round left at 900.
- Joe(Monadnock) decided around 1030 that there would be no load outs tomorrow but that he wanted 3*1 for Wednesday. I let Kristen(EWMI) know about that and asked her to check to see if Bayshore was open on Friday.
- The second round of trucks started rolling in around 1230.
- The last truck was loaded around 230 and we came to find out that Mendez #100 had broke down and would not be returning.
- 13 loads were taken out in total for the day.

Weather: sunny Temperature: 44 °F
Customer Signature: Representative: Trevor Borger
Date: Date: 12-29-14

Environmental Waste Minimization Inc.

14 Brick Kiln Court • Northampton, PA 18067
Tel. (484) 275-6900 Fax (484) 275-6970
www.ewmi-info.com

DAILY RECORD

Project #: 108829 Date: 12-23-14 Day: _____

Customer: Monadnock Customer Contact: Joe Stila

Job Location: 325 East 25th st Manhattan, NY Customer Phone: 845-825-0133

NAMES	CODE	START	O.S. START	O.S. FINISH	FINISH	Total Hour
Trevor B	Pm	430	700	1145	1500	10.5
Subcontractor	**CODE**	**START**	**O.S. START**	**O.S. FINISH**	**FINISH**	**Total Hour**

QTY	MATERIALS / CONSUMABLES
1	PPE Level- (Circle One) Mod -D D C B

EQUIPMENT	QTY
T-122	1
Hp Laptop	1

EQUIPMENT	QTY

DISPOSAL /

JOB DESCRIPTION / REMARKS

- I arrived on site at 645 and I met with Joe(Monadnock) to discuss todays load outs.
- Today we are only doing 3*2 because bayshore is closing at 100.
- The trucks arrived at 645and started loading at 715, all trucks were loaded by 745.
- It took longer then yesterday for the trucks to get back for the second turn due to the traffic and Bayshore being busy.
- Loading was finished around 1145 and I headed back to the shop.

Weather: Rain Temperature: 44 °F

Customer Signature: _____ Representative: Trevor Borger

Date: _____ Date: 12-23-14

Original - Customer Copy

Environmental Waste Minimization Inc.

14 Brick Kiln Court • Northampton, PA 18067
Tel. (484) 275-6900 Fax (484) 275-6970
www.ewmi-info.com

DAILY RECORD

Project #: 108829 Date: 12-22-14 Day: _____

Customer: Monadnock Customer Contact: Joe Stila

Job Location: 325 East 25th st Manhattan, NY Customer Phone: 845-825-0133

NAMES	CODE	START	O.S. START	O.S. FINISH	FINISH	Total Hour
Trevor B	Pm	430	700	1345	1730	13
Subcontractor	**CODE**	**START**	**O.S. START**	**O.S. FINISH**	**FINISH**	**Total Hour**

QTY	MATERIALS / CONSUMABLES
1	PPE Level- (Circle One) Mod -D D C B

EQUIPMENT	QTY
T-163	1
Hp Laptop	1

EQUIPMENT	QTY

DISPOSAL /

JOB DESCRIPTION / REMARKS

- I arrived on site at 645 and I met with Joe(Monadnock) to discuss todays load outs.
- All the grids were laid out prior to my arrival and Joe confirmed that all loads were coming from Grid 1(0-8') and all were going To Bayshore.
- The trucks were on site for 700 and were loaded with their first round of loads.
- The trucks turns took a little over 2.5 hours.
- After the first round of loads we got into a lot more brick so I took some pictures and sent them to Tasha(EWMI) to confirm that We could still ship the material. She got back to me and said we were good to continue.
- Joe informed us that he would not be loading out any trucks on Wednesday due to the holiday.
- The third round of trucks got loaded and I left the site at 145.

Weather: Cloudy Temperature: 44 °F

Customer Signature: _____ Representative: Trevor Borger

Date: _____ Date: 12-22-14

Total # of Loads:	13	Wet Surcharge Tonnage:	0.00
Total Tonnage Shipped:	394.47	Light Load Surcharge Tonnage:	0
Average Tons per Load:	30.3438462	Total Tonnage (corrected for light loads):	0.00

Load#	Date	transporter	Truck #	Facility	Time In	Time Out	Manifest	Tons	Grid
1	12-29-14	Mendez	94	Palmerton	700	730	241680	30.41	3(0-8')
2	12-29-14	Mendez	97	Palmerton	700	745	241681	28.90	3(0-8')
3	12-29-14	Mendez	98	Palmerton	700	800	241682	29.88	3(0-8')
4	12-29-14	Mendez	83	Palmerton	700	815	241683	31.83	3(0-8')
5	12-29-14	Mendez	91	Palmerton	700	830	241684	32.06	3(0-8')
6	12-29-14	Mendez	100	Palmerton	700	845	241685	27.50	3(0-8')
7	12-29-14	Mendez	13	Palmerton	700	900	241686	29.04	3(0-8')
8	12-29-14	Mendez	94	Palmerton	1220	1250	241687	30.95	3(0-8')
9	12-29-14	Mendez	97	Palmerton	1235	1300	241688	30.09	3(0-8')
10	12-29-14	Mendez	98	Palmerton	1255	1320	241689	29.49	3(0-8')
11	12-29-14	Mendez	83	Palmerton	1340	1400	241690	31.39	3(0-8')
12	12-29-14	Mendez	91	Palmerton	1350	1415	241691	31.50	3(0-8')
13	12-29-14	Mendez	13	Palmerton	1405	1430	241678	31.43	3(0-8')

Transportation Charter / Manifest

Generator:

GENERATOR: KB25 HOUSING DEVELOPMENT FUND CORP.
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB #: 7542

1

Authorized By (print) Chaudhry Usman

Authorized By (title) Ch. J. Adikhari

Authorized By (sig) Environmental Consultant

TIME: 7:00 DATE: 12-29

Transporter:

MENDEZ TRUCKING
#94

2

Driven By Roger Mesen

Truck/Trailer Plate AP 328 G

Driver Signature

TIME: 7:06 DATE: 12-29

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

GRED 3 (08')
(WC-3A, WC-3B)

Manifest Number 241680

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 60800 GROSS WEIGHT 89780

NET TONS 30.41 TARE WEIGHT 28980

TICKET NUMBER 1032203

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Date/Time 12/29/14 9:54am

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 241,680

Ticket Number: 1032203 32203

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):

Phipps Plaza South
325 East 25th St.
New York NY 10010

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

PA REG FILL

NOTES:

GROSS/TARE/NET (lbs)

89780 lb
28960 lb
60820 lb

NET (Tons):

30.410 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:	Tare Time	Gross Time
12/29/14	9:53 am	9:54 am

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

MENDEZ

Driver Name and Signature (conditional):

Truck Plate Number:

AP328G

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: KB25 HOUSING DEVELOPMENT FUND CORP.
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Chaudhry Usman

Authorized By (title) Environmental Consultant

Authorized By (sig) Ch. U. Ali Khan

TIME: 7:30 DATE: 12/29

Transporter:

MENDEZ TRUCKING
#97

2

Driven By Todd

Truck/Trailer Plate AP 79 H

Driver Signature

TIME: 7:30 DATE: 12/29

Manifest Number 241681

IMPACT ENVIRONMENTAL

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

GRID 3 (0-8')
(WC-3A, WC-3B)

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 57800 GROSS WEIGHT 89200

NET TONS 28.90 TARE WEIGHT 31400

TICKET NUMBER 1032207

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time 12/29/14 10:04 am

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 241.681

Ticket Number: 1032207 32207

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):

Phipps Plaza South
325 East 25th St.
New York NY 10010

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

PA REG FILL

NOTES:

GROSS/TARE/NET (lbs)

89200 lb
31400 lb
57800 lb

NET (Tons):

28.900 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:	Tare Time	Gross Time
12/29/14	10:04 am	10:04 am

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

MENDEZ

Driver Name and Signature (conditional):

Truck Plate Number:

AP791H

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: KB25 HOUSING DEVELOPMENT FUND [illegible]
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Chaudhry Usman

Authorized By (title) Environmental Consultant

Authorized By (sig) Ch. Usman

TIME: 7:45 DATE: 12-29

Transporter:

MENDEZ TRUCKING
#98

2

Driven By Luiz ABREU

Truck/Trailer Plate AFR 7892 H

Driver Signature

TIME: 7:45 DATE: 12-29

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

GEO 3 (0-8')
(WC-5A, WC-5B)

Manifest Number 241682

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 59700 GROSS WEIGHT 90600

NET TONS 29.85 TARE WEIGHT 30900

TICKET NUMBER 1032211

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) [illegible]

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time 12/29/14 10:27am

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 241.682

Ticket Number: 1032211 32211

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):

Phipps Plaza South
325 East 25th St.
New York NY 10010

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

PA REG FILL

NOTES:

GROSS/TARE/NET (lbs)

90660 lb
30900 lb
59760 lb

NET (Tons):

29.880 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:	Tare Time	Gross Time
12/29/14	10:26 am	10:26 am

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

MENDEZ

Driver Name and Signature (conditional):

Truck Plate Number:

AR792H

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: KB25 HOUSING DEVELOPMENT FUND CORP.
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Ghaudhry Usman

Authorized By (title) Environmental consultant

Authorized By (sig) Ch. U. Ali Khan

TIME: 8:00 DATE: 12-29

Transporter:

MENDEZ TRUCKING

#83

2

Driven By CARLOS TINITANA

Truck/Trailer Plate AL337N

Driver Signature

TIME: 8:00 DATE: 12-29

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

GRID 3 (0-3') (WL-0A, WL-0B)

Manifest Number 241683

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 63660 GROSS WEIGHT 92460

NET TONS 31.83 TARE WEIGHT 28800

TICKET NUMBER 1032220

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time 12/29/14 10:49am

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 241,683

Ticket Number: 1032220 32220

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):

Phipps Plaza South
325 East 25th St.
New York NY 10010

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
PA REG FILL

NOTES:

GROSS/TARE/NET (lbs)

92460 lb
28800 lb
63660 lb

NET (Tons):
31.830 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:
CIS

Date and Time In and Out: Tare Time Gross Time
12/29/14 10:48 am 10:48 am

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:
MENDEZ

Driver Name and Signature (conditional):

Truck Plate Number:
AL337N

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: KB25 HOUSING DEVELOPMENT FUND CORP.
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Chaudhry Usman

Authorized By (title) Environmental Consultant

Authorized By (sig) Ch. U. Al'Usman

TIME: 8:15 DATE: 12-29

Transporter:

MENDEZ TRUCKING
#91

2

Driven By Edwin Carcamo

Truck/Trailer Plate AN556Y #91

Driver Signature Edwin C.

TIME: 8:15 DATE: 12-29

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

GEO 3 (0-8')
(WC-3A, LOC-30)

Manifest Number 241684

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 64120 GROSS WEIGHT 92460

NET TONS 32.06 TARE WEIGHT 28340

TICKET NUMBER 1032228

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Mu hy

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time 12/29/14 11:04am

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) Edwin C

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 241,684

Ticket Number: 1032228 32228

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

7542
K825 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):

Phipps Plaza South
325 East 25th St.
New York NY 10010

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

PA REG FILL

NOTES:

GROSS/TARE/NET (lbs)

92460 lb
28340 lb
64120 lb

NET (Tons):

32.060 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:	Tare Time	Gross Time
~~12/29/14~~	~~11:04 am~~	~~11:04 am~~

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

MENDEZ

Driver Name and Signature (conditional):

Truck Plate Number:

AN556Y

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: K825 HOUSING DEVELOPMENT FUND C[illegible]P.
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Chaudhry Usman

Authorized By (title) Environmental Consultant

Authorized By (sig) Ch. U. Ali Usman

TIME: 8:30 DATE: 12-29

Transporter:

MENDEZ TRUCKING
#100

2

Driven By E.O. Mendez

Truck/Trailer Plate # ~~100~~ AP638R

Driver Signature

TIME: 8:30 DATE: 12-29

Material Note(s):

MATERIAL MEETING PA REGULATED FILL
GRID 3 (0-8')
(CWC-3A, WC-3B)

Manifest Number 241685

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED
NET WEIGHT 55000 GROSS WEIGHT 83480
NET TONS 27.50 TARE WEIGHT 28480
TICKET NUMBER 1032347

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) [illegible] 732-41

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time 12/30/14

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 241,685

Ticket Number: 32347 032347

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

7642
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):

Phipps Plaza South
325 East 26th St.
New York NY 10010

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

PA REG FILL

NOTES:

GROSS/TARE/NET (lbs)

83480 lb
28480 lb
55000 lb

NET (Tons):

27.500 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
12/30/14	12:09 pm	12:10 pm

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

MENDEZ

Driver Name and Signature (conditional):

Truck Plate Number:

AP630R

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: KB25 HOUSING DEVELOPMENT FUND CORP.
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Chaudhry Usman

Authorized By (title) Environmental consultant

Authorized By (sig) Ch. U. Ali

TIME: 8:45 DATE: 12-29

Transporter:

MENDEZ TRUCKING

#13

2

Driven By Harold Jimenez

Truck/Trailer Plate 13-AP278K

Driver Signature

TIME: 8:45 DATE: 12-29

Manifest Number 241686

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

GRID 3 (0-8')
(WC-OA, WC-B)

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 58080 GROSS WEIGHT 86720

NET TONS 2904 TARE WEIGHT 28640

TICKET NUMBER 1032232

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Date/Time 12/29/14 11:21am

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 241,686

Ticket Number: 32232
1032232

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):

Phipps Plaza South
325 East 25th St.
New York NY 10010

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

PA REG FILL

NOTES:

GROSS/TARE/NET (lbs)

86760 lb
28680 lb
58080 lb

NET (Tons):

29.040 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out: Tare Time Gross Time

12/29/14 11:20 am 11:20 am

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

MENDEZ

Driver Name and Signature (conditional):

Truck Plate Number:

AP278K

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: KB25 HOUSING DEVELOPMENT FUND CORP.
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Chandra Usman

Authorized By (title) Environmental Consultant

Authorized By (sig) Chr. V. Ulikman

TIME:_____ DATE:_____

Transporter:

MENDEZ TRUCKING

94

2

Driven By Roger Mesen

Truck/Trailer Plate AP 3286

Driver Signature

TIME:_____ DATE:_____

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

GRADE 3 (08')
(WC-3A, WC-3B)

Manifest Number 241687

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 61900 GROSS WEIGHT 90860

NET TONS 30.95 TARE WEIGHT 28960

TICKET NUMBER 1632266

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Man Le

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time 12/29/14 3:43pm

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 241,687

Ticket Number: 1032260 32260

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):

Phipps Plaza South
325 East 25th St.
New York NY 10010

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

PA REG FILL

NOTES:

GROSS/TARE/NET (lbs)

90660 lb
28960 lb
61900 lb

NET (Tons):

30.950 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

Date and Time In and Out: Tare Time Gross Time
12/29/14 3:43 pm 3:43 pm

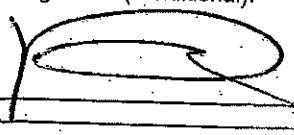
Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

MENDEZ

Driver Name and Signature (conditional):



Truck Plate Number:

AP328C

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: KB25 HOUSING DEVELOPMENT FUND CORP.
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Chaudhry Usman

Authorized By (title) Environmental Consultant

Authorized By (sig) Ch. U. Ali Khan

TIME: 12:55 DATE: 12-29

Transporter:

MENDEZ TRUCKING
#97

2

Driven By

Truck/Trailer Plate AP791H

Driver Signature

TIME: 12:55 DATE: 12-29

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

GRID 3 (0-8')
CWC-3A, WC-08)

Manifest Number 241688

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 60180 GROSS WEIGHT 91580

NET TONS 30.09 TARE WEIGHT 31460

TICKET NUMBER 1032254

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time 12/29/14 3:30pm

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 241,688

Ticket Number: 1032254 32254

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):

Phipps Plaza South
325 East 25th St.
New York NY 10010

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
PA REG FILL

NOTES:

GROSS/TARE/NET (lbs)

91580 lb
31400 lb
60180 lb

NET (Tons):

30.090 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:
CIS

Date and Time In and Out:	Tare Time	Gross Time
12/29/14	3:30 pm	3:30 pm

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:
MENDEZ

Driver Name and Signature (conditional):

Truck Plate Number:
AP791H

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: KB25 HOUSING DEVELOPMENT FUND C[illegible]P.
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Chaudhry Usman

Authorized By (title) Environmental Consultant

Authorized By (sig) [signature]

TIME: 1:00 DATE: 12-29

Transporter:

MENDEZ TRUCKING
#98

2

Driven By LUIZ ABREU

Truck/Trailer Plate AP 7924

Driver Signature [signature]

TIME: 1:00 DATE: 12-29

Manifest Number 241689

IMPACT ENVIRONMENTAL

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

GRID 3 (0-8')
(WC-DA, WC-3B)

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 58980 GROSS WEIGHT 89880

NET TONS 29.49 TARE WEIGHT 309

TICKET NUMBER 1032263

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Max Li

Date/Time 12/29/14 3:57PM

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) [signature]

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 241,689

Ticket Number: 032263 32263

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):

Phipps Plaza South
325 East 25th St.
New York NY 10010

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

PA REG FILL

NOTES:

GROSS/TARE/NET (lbs)

89880 lb
30900 lb
58980 lb

NET (Tons):

29.490 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

Date and Time In and Out: 12/29/14 Tare Time 3:58 pm Gross Time 3:59 pm

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

MENDEZ

Driver Name and Signature (conditional):

Truck Plate Number:

AP792H

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: K825 HOUSING DEVELOPMENT FUND C[illegible].
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Chaudhry Usman

Authorized By (title) Environmental Consultant

Authorized By (sig) Ch. U. Ali Khan

TIME: 1:45 DATE: 12-29

Transporter:

MENDEZ TRUCKING
#83

2

Driven By CARLOS TINITANA

Truck/Trailer Plate ~~AL 83~~ # N
AL 337 N

Driver Signature

TIME: 1:45 DATE: 12-29

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

GRID 3 (0-8')
(WC-3A, WC-3B)

Manifest Number 241690

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED
NET WEIGHT 62780 GROSS WEIGHT 91588
NET TONS 31.39 TARE WEIGHT 28808
TICKET NUMBER 1032278

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time 12/29/14 4:49pm

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 241.690

Ticket Number: 032278 32278

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):

Phipps Plaza South
325 East 25th St.
New York NY 10010

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
PA REG FILL

NOTES:

GROSS/TARE/NET (lbs)

91580 lb
28800 lb
62780 lb

NET (Tons):
31.390 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:
CIS

Date and Time In and Out: Tare Time Gross Time
12/29/14 4:49 pm 4:49 pm

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:
MENDEZ

Driver Name and Signature (conditional):

Truck Plate Number:
AL337N

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: K825 HOUSING DEVELOPMENT FUND C[illegible]P.
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Chaudhry Usman

Authorized By (title) Environmental Consultant

Authorized By (sig) Ch. U. Ali Khan

TIME: 2:00 DATE: 12-29

Transporter:

MENDEZ TRUCKING
#91

2

Driven By Selvin CARCAMO

Truck/Trailer Plate #91 AN5569Y

Driver Signature Selvin C

TIME: 2:00 DATE: 12-29

Manifest Number 241691

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL
GRID 3 (0-8')
(WC-3A, WC-3B)

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 63080 GROSS WEIGHT 91340

NET TONS 31.50 TARE WEIGHT 28340

TICKET NUMBER 1032279

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Marc Lee

Date/Time 12/29/14 4:8PM

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) Selvin C

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 241,691

Ticket Number: 032279 32279

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

7542
KB26 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):

Phipps Plaza South
325 East 25th St.
New York NY 10010

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

PA REG FILL

NOTES:

GROSS/TARE/NET (lbs)

91340 lb
28340 lb
63000 lb

NET (Tons):

31.500 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

Date and Time In and Out:	Tare Time	Gross Time
12/29/14	4:51 pm	4:51 pm

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

MENDEZ

Driver Name and Signature (conditional):

Truck Plate Number:

AN556Y

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: KB25 HOUSING DEVELOPMENT FUND CORP.
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Chaudhry Usman

Authorized By (title) Environmental Consultant

Authorized By (sig)

TIME: 2:15 DATE: 12-29

Transporter:

Mendez
#13

2

Driven By Harold Jimenez

Truck/Trailer Plate 13-AP278K

Driver Signature

TIME: 2:15 DATE: 12-29

Manifest Number 241678

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL
Grid 3 (WC-3A, WC-3B)
(C-8)

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 60280 GROSS WEIGHT 91540

NET TONS 31.43 TARE WEIGHT 28680

TICKET NUMBER 1032288

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time 12/29/14 5:01pm

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 241,678

Ticket Number: 032280 32280

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):

Phipps Plaza South
325 East 25th St.
New York NY 10010

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
PA REG FILL

NOTES:

GROSS/TARE/NET (lbs)

91540 lb
28680 lb
62860 lb

NET (Tons):
31.430 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:
CIS

Date and Time In and Out: 12/29/14 Tare Time 5:05 pm Gross Time 5:06 pm

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:
MENDEZ

Driver Name and Signature (conditional):

Truck Plate Number:
AP278K

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Total # of Loads:	15	Wet Surcharge Tonnage:	0.00
Total Tonnage Shipped:	397.07	Light Load Surcharge Tonnage:	0
Average Tons per Load:	26.4713333	Total Tonnage (corrected for light loads):	0.00

Load#	Date	transporter	Truck #	Facility	Time In	Time Out	Manifest	Tons	Grid
1	12/22/2014	Mendez	288	Bayshore	700	720	56739	23.24	1(0-8')
2	12/22/2014	Mendez	28	Bayshore	700	735	56740	26.92	1(0-8')
3	12/22/2014	Mendez	10	Bayshore	700	750	56741	23.06	1(0-8')
4	12/22/2014	Mendez	28	Bayshore	1010	1025	56742	27.68	1(0-8')
5	12/22/2014	Mendez	288	Bayshore	1030	1045	56743	27.63	1(0-8')
6	12/22/2014	Mendez	10	Bayshore	1055	1110	56744	26.08	1(0-8')
7	12/22/2014	Mendez	28	Bayshore	1250	1300	56745	31.20	1(0-8')
8	12/22/2014	Mendez	288	Bayshore	1310	1325	56746	29.30	1(0-8')
9	12/22/2014	Mendez	10	Bayshore	1330	1345	56747	24.16	1(0-8')
10	12/22/2014	Mendez		Bayshore			56751	26.06	1(0-8')
11	12/22/2014	Mendez		Bayshore			56748	26.61	1(0-8')
12	12/22/2014	Mendez		Bayshore			56749	28.16	1(0-8')
13	12/22/2014	Mendez		Bayshore			56753	25.96	1(0-8')
14	12/22/2014	Mendez		Bayshore			56750	26.30	1(0-8')
15	12/22/2014	Mendez		Bayshore			56752	24.71	1(0-8')

Driver: Lance

million Dig

Bayshore Recycling Corp.
75 Crows Mill Rd
PO Box 290
Keasbey, NJ 08832

Facility ID: 132397

Ticket: 421860
Date: 12/22/2014
Time: 08:57:10 - 08:57:13

Scale

Customer: ENVIRONMENTAL WASTE MINIMIZATION, INC/RSM0216
14 BRICK KILN COURT
NORTHAMPTON, PA 18067

Gross: 76000 lb In Scale 1
Tare: 30400 lb P.T.
Net: 45600 lb

Truck: AN370M

CUYDs: 25

License: AN370M
Truck Type: TRIAXLE

Carrier: MENDEZ TRUCKING

Manifest: 56739
Remaining: 0.00 TN

Profile: 2714-1096/PHIPPS PLAZA SOUTH
Generator: PHIPPS PLAZA SOUTH
Comment:

Origin	Materials & Services	Quantity Unit
Manhattan	ID87 MCS	23.24 Tons

THE ABOVE IS CORRECT AND NON-HAZARDOUS TO THE BEST OF MY KNOWLEDGE

Non Hazardous Manifest/Bill Of Lading

M. Tom Dyl. 9/25

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 56739

Job/Project # 108829

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp — Phippa Plaza South
902 Broadway, 13th Floor — 325 East 25th Street
New York, NY 10010 — Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT

Rapid Response Inc.

24 HOUR EMERGENCY PHONE #

877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non Hazardous Soil	2714-1098	EST. 22 Tons
		Grid 1 (WC-1A, WC-1B)		
		(0-8')		

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME

DATE 12-22-14

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME	ADDRESS	PHONE NO.
MENDEZ	490 UNION AV BELLEVILLE NJ	( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
288	NJ			

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE Milton Urgiles

PRINT DRIVER'S NAME MILTON URGILES

DATE 12-22-14

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME	ADDRESS	PHONE NO.
Bayshore Soil Management, LLC	75 Crows Mill Road Keasbey, NJ 08832	732-738-8000

COMMENTS

4715.40

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE 12/22/14

Driver: _____ Weighmaster: Lance

Ruber S.

Bayshore Recycling Corp.
75 Crows Mill Rd
PO Box 290
Keasbey, NJ 08832

Facility ID: 132397

Ticket: 421042
Date: 12/22/2014
Time: 08:42:20 - 08:42:30

Customer: ENVIRONMENTAL WASTE MINIMIZATION, INC/BSM0216
14 BRICK KILN COURT
NORTHAMPTON, PA 18067

Truck: AN869W

Carrier: MENDEZ TRUCKING

Profile: 2714-1098/PHIPPS PLAZA SOUTH
Generator: PHIPPS PLAZA SOUTH
Comments:

	Scale	
Gross:	82920 lb	In Scale 1
Tare:	29080 lb	P.T.
Net:	53840 lb	

CUYDs: 25 License: AN869W
Truck Type: TRIAXLE

Manifest: 56740
Remaining: 0.00 TN

Origin	Materials & Services	Quantity Unit
Manhattan	ID27 PCB	26.92 Tons

THE ABOVE IS CORRECT AND NON-HAZARDOUS TO THE BEST OF MY KNOWLEDGE

Non Hazardous Manifest/Bill Of Lading

Ruber S.

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 56740

Job/Project # 108829

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp Phipps Plaza South
902 Broadway, 13th Floor 325 East 25th Street
New York, NY 10010 Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1036

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non Hazardous Soil	2714-1088	EST. 22 Tons
		Grid 1 (WC-1A, WC-1B (0-8')		

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME

DATE 12-22-14

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME

ADDRESS

PHONE NO. ( ) -

M Fuentes

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT
DM 5670M	NJ		

COMMENTS

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE

PRINT DRIVER'S NAME Ramon Sullivan

DATE 12-22-14

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME
Bayshore Soil Management, LLC

ADDRESS
75 Crows Mill Road
Keasbey, NJ 08832

PHONE NO. 732-738-6000

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE 12-22-14

Eduardo S.

Bayshore Recycling Corp.
75 Crows Mill Rd
PO Box 290
Keasbey, NJ 08832

Facility ID: 132397

Ticket: 421071
Date: 12/22/2014
Time: 09:10:56 - 09:10:59

Scale

Customer: ENVIRONMENTAL WASTE MINIMIZATION, INC/BSM0216
14 BRICK KILN COURT
NORTHAMPTON, PA 18067-

Gross: 77100 lb In Scale 2
Tare: 30980 lb P.T.
Net: 46120 lb

Truck: ANE50N

CUYDs: 25

License: ANE50N
Truck Type: TRIAXLE

Carrier: MENDEZ TRUCKING

Manifest: 56741
Remaining: 0.00 TN

Profile: 2714-1098/PHIPPS PLAZA SOUTH
Generator: PHIPPS PLAZA SOUTH
Comment:

Origin	Materials & Services	Quantity	Unit
Manhattan	C027 PCS	23.06	Tons

THE ABOVE IS CORRECT AND NON-HAZARDOUS TO THE BEST OF MY KNOWLEDGE

Non Hazardous Manifest/Bill Of Lading

Edmundo S.

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 56741

Job/Project # 108829

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS	IN CASE OF EMERGENCY OR SPILL CONTACT
KB25 Housing Development Fund Corp Phipps Plaza South 902 Broadway, 13th Floor 325 East 25th Street New York, NY 10010 Manhattan, NY 10010	Rapid Response Inc. 24 HOUR EMERGENCY PHONE # 877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non Hazardous Spoil	2714-1096	EST. 22 Tons
		Grid 1 (WC-1A, WC-1B)		
		(6-8')		

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME

DATE 12-22-14

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME	ADDRESS	PHONE NO.
MENDEZ TRUCKING	BELLVILLE	( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
ANSSOM	NJ	10		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE

PRINT DRIVER'S NAME EDWARDO SILVA

DATE 12-22-14

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME	ADDRESS	PHONE NO.
Bayshore Soil Management, LLC	75 Crows Mill Road Keasbey, NJ 08832	732-738-6000

COMMENTS L12 1871

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE 12 22 14

Ruber S.

Bayshore Recycling Corp.
75 Crows Mill Rd
PO Box 299
Keasbey, NJ 08832

Facility ID: 132397

Ticket: 422008
Date: 12/22/2014
Time: 11:23:50 - 11:23:53

Scale

Customer: EMMI/BSM0216
14 BRICK KILN COURT
NORTHAMPTON, PA 18067
Truck: AN869W

Gross: 84440 lb In Scale C
Tare: 29080 lb P.T.
Net: 55360 lb
CUYDs: 25 License: AN869W
Truck Type: TRIAXLE

Carrier: MENDEZ TRUCKING

Manifest: 56742
Remaining: 0.00 TN

Profile: 2714-1690/PHIPPS PLAZA SOUTH
Generator: PHIPPS PLAZA SOUTH
Comment:

Origin	Materials & Services	Quantity Unit
Manhattan	1D27 PLS	27.68 Tons

THE ABOVE IS CORRECT AND NON-HAZARDOUS TO THE BEST OF MY KNOWLEDGE

Driver's Signature: _____ Weighmaster's Signature: _____

Non Hazardous Manifest/Bill Of Lading

Rubes S.

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 56742

Job/Project # 108829

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp Phippe Plaza South
902 Broadway, 13th Floor 325 East 25th Street
New York, NY 10010 Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non Hazardous Soil	2714-1098	EST. 22 Tons
		Grid 1 (WC-1A, WC-1B)		
		(0-8')		

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME

DATE 12-22-14

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME: M & M D P C

ADDRESS

PHONE NO. ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
A4864W	NJ			

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE

PRINT DRIVER'S NAME

DATE 12-22-14

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME: Bayshore Soil Management, LLC

ADDRESS: 75 Crowe Mill Road, Keasbey, NJ 08832

PHONE NO. 732-738-6000

COMMENTS: 4172008

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE 12-22-14

Milton Dept

Bayshore Recycling Corp.
75 Crows Mill Rd
PO Box 299
Keasbey, NJ 08832

Facility ID: 132397

Ticket: 422032
Date: 12/22/2014
Time: 11:47:38 - 11:47:40

Scale

Customer: EWNT/BSM0216
14 BRICK KILN COURT
NORTHAMPTON, PA 18067-

Gross: 85660 lb. In Scale 1
Tare: 30400 lb P.T.
Net: 55260 lb

Truck: AN370M

CUYDs: 25

License: AN370M
Truck Type: TRIAXLE

Carrier: MENDEZ TRUCKING

Manifest: 56743
Remaining: 0.00 TN

Profile: 2714-1098/PHIPPS PLAZA SOUTH
Generator: PHIPPS PLAZA SOUTH
Comments:

Origin	Materials & Services	Quantity Unit
Manhattan	TD27 PCS	27.63 Tons

THE ABOVE IS CORRECT AND NON-HAZARDOUS TO THE BEST OF MY KNOWLEDGE

Drivers:

Weighmaster: Lance

Non Hazardous Manifest/Bill Of Lading

MILTON URGILES

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 56743

Job/Project # 108829

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp — Phipps Plaza South
902 Broadway, 13th Floor — 325 East 25th Street
New York, NY 10010 — Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT

Rapid Response Inc.

24 HOUR EMERGENCY PHONE #

877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non Hazardous Soil	2714-1098	Est. 22 Tons
		Grid I (WC-1A, WC-1B)		
		(0-8')		

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME

DATE 12-22-14

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME	ADDRESS	PHONE NO.
MENDEZ	490 UNION AV BELLEVILLE NJ	( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE Milton Urgiles

PRINT DRIVER'S NAME MILTON URGILES

DATE 12-22-14

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME	ADDRESS	PHONE NO.
Bayshore Soil Management, LLC	75 Crows Mill Road Keasbey, NJ 08832	732-738-6000

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE 12/22/14

Eduardo S.

Bayshore Recycling Corp.
75 Crows Mill Rd
PO Box 290
Keasbey, NJ 08832

Facility ID: 132397

Ticket: 422055
Date: 12/22/2014
Time: 12:12:54 - 12:12:57

Scale

Customer: EWMI/BSM0216
14 BRICK KILN COURT
NORTHAMPTON, PA 18067-

Gross: 83140 lb In Scale 1
Tare: 30980 lb P.T.
Net: 52160 lb

Truck: AN550M

CUYDs: 25 License: AN550M
Truck Type: TRIAXLE

Carrier: MENDEZ TRUCKING

Manifest: 56744
Remaining: 0.00 TN

Profile: 2714-1098/PHIPPS PLAZA SOUTH
Generator: PHIPPS PLAZA SOUTH
Comments:

Origin	Materials & Services	Quantity Unit
Manhattan	ID27 PCS	26.08 Tons

THE ABOVE IS CORRECT AND NON-HAZARDOUS TO THE BEST OF MY KNOWLEDGE

Driver: _____ Weighmaster: Laura

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 56744

Job/Project # 108829

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp
902 Broadway, 13th Floor
New York, NY 10010

Phipps Plaza South
325 East 25th Street
Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT

Rapid Response Inc.

24 HOUR EMERGENCY PHONE #

877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non Hazardous Soil	2714-1098	EST. 22 Tons
		Grid 1 (1W-1A, 1W-1B)		
		(0-8')		

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME

DATE 12-22-11

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME: MENDEZ TRUCKING

ADDRESS: BELLVILLE

PHONE NO. ( ) -

VEHICLE I.D. NO.: NA1550M

STATE: NJ

BOX NUMBER-IN: 10

BOX NUMBER-OUT

COMMENTS

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE

PRINT DRIVER'S NAME: EDWARDO SOSA

DATE 12-22-11

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME: Bayshore Soil Management, LLC

ADDRESS: 75 Crows Mill Road
Keasbey, NJ 08832

PHONE NO. 732-738-6000

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE 12-22-11

Ruber S.

Bayshore Recycling Corp.
75 Crows Mill Rd
PO Box 290
Keasbey, NJ 08832

Facility ID: 132397

Ticket: 422185
Date: 12/22/2014
Time: 14:07:30 - 14:07:33

Customer: EWNI/BSM0216
14 BRICK KILN COURT
NORTHAMPTON, PA 18067-
Truck: AN869W

Scale
Gross: 91480 lb In Scale 1
Tare: 29080 lb P.T.
Net: 62400 lb
CUYDs: 25 License: AN869W
Truck Type: TRIAXLE

Carrier: MENDEZ TRUCKING

Profile: 2714-1058/PHIPPS PLAZA SOUTH
Generator: PHIPPS PLAZA SOUTH
Comments:

Manifest: 56745
Remaining: 0.00 TN

Origin	Materials & Services	Quantity	Unit
Manhattan	ID27 PCS	31.20	Tons

THE ABOVE IS CORRECT AND NON-HAZARDOUS TO THE BEST OF MY KNOWLEDGE

Driver:

Weighmaster: Lopez

Non Hazardous Manifest/Bill Of Lading

Ruber S.

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 56745

Job/Project # 108829

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp
902 Broadway, 13th Floor
New York, NY 10010

Phipps Plaza South
925 East 25th Street
Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT

Rapid Response Inc.

24 HOUR EMERGENCY PHONE #

877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non Hazardous Soil	2714-1098	EST. 22 Tons
		Grid I (WC-1A, WC-1B)		
		(0-8')		

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME

DATE 12-22-14

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME: MCMS

ADDRESS

PHONE NO. ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AN86QW	NJ			

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE

PRINT DRIVER'S NAME RUBEN GILVO

DATE 12-22-14

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME: Bayshore Soil Management, LLC

ADDRESS: 75 Crows Mill Road, Keasbey, NJ 08832

PHONE NO. 732-738-8000

COMMENTS

12/22/14

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE 12/22/14

Driver: _____ Weighmaster: Lance

milton Veg

Bayshore Recycling Corp.
75 Crowe Mill Rd
PO Box 290
Keasbey, NJ 08832

Facility ID: 132397

Ticket: 422210
Date: 12/22/2014
Time: 14:32:52 - 14:32:56

Scale

Customer: EWMI/BSM0216
14 BRICK KILN COURT
NORTHAMPTON, PA 18067-

Gross: 89000 lb In Scale 1
Tare: 30400 lb P.T.
Net: 58600 lb

Truck: AN370M

CUYDs: 25 License: AN370M
Truck Type: TRIAXLE

Carrier: MENDEZ TRUCKING

Manifest: 56746
Remaining: 9.00 TN

Profile: 2714-1090/PHIPPS PLAZA SOUTH
Generator: PHIPPS PLAZA SOUTH
Comments:

Origin	Materials & Services	Quantity Unit
Manhattan	1027 PCS	29.30 Tons

THE ABOVE IS CORRECT AND NON-HAZARDOUS TO THE BEST OF MY KNOWLEDGE

Driver: _____ Weighmaster: Lance

Non Hazardous Manifest/Bill Of Lading

Milton Urgiles

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 56746

Job/Project # 108829

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

K525 Housing Development Fund Corp
902 Broadway, 13th Floor
New York, NY 10010

Phipps Plaza South
325 East 25th Street
Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non Hazardous Soil	2714-1098	EST. 22 Tons
		Grid 1 (WC-1A, WC-1B) (0-8')		

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME

DATE 12-22-14

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME: MENDEZ

ADDRESS: 490 UNION AV BELLEVILLE NJ

PHONE NO. ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
798				

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE Milton Urgiles

PRINT DRIVER'S NAME MILTON URGILES

DATE 12-22-14

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME: Bayshore Soil Management, LLC

ADDRESS: 75 Crows Mill Road
Keasbey, NJ 08832

PHONE NO. 732-738-6000

COMMENTS

4/22/10

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE 12-22-14

Weighmasters Lance

Eduardo S.

Bayshore Recycling Corp.
75 Crows Mill Rd
PO Box 290
Keasbey, NJ 08832

Facility ID: 132397

Ticket: 422245
Date: 12/22/2014
Time: 15:15:59 - 15:16:01

Scale

Customer: ENMI/BSM0216
14 BRICK KILN COURT
NORTHAMPTON, PA 18067-

Gross: 79300 lb In Scale 1
Tare: 30980 lb P.T.
Net: 48320 lb

Truck: AN550M

CUYDs: 25 License: AN550M
Truck Type: TRIAXLE

Carrier: MENDEZ TRUCKING

Manifest: 56747
Remaining: 0.00 TN

Profile: 2714-1098/PHIPPS PLAZA SOUTH
Generator: PHIPPS PLAZA SOUTH
Comments:

Origin	Materials & Services	Quantity Unit
Manhattan	IDEZ_RES	24.16 Tons

THE ABOVE IS CORRECT AND NON-HAZARDOUS TO THE BEST OF MY KNOWLEDGE

Driver: Weighmasters Lance

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 56747

Job/Project # 108829

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp Phippe Plaza South
902 Broadway, 13th Floor 325 East 25th Street
New York, NY 10010 Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT

Rapid Response Inc.

24 HOUR EMERGENCY PHONE #

877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non Hazardous Soil	2714-1098	EST. 22 Tons
		Grid 1 (WC-1A, WC-1B)		
		1.0-8')		

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME

DATE 12-22-14

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME: MENDEZ TRUCKING

ADDRESS: BELLVILLE

PHONE NO. ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AN550M	NJ	10		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE

PRINT DRIVER'S NAME: EDWARDO SILVA

DATE 12-22-14

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME: Bayshore Soil Management, LLC

ADDRESS: 75 Crows Mill Road Keasbey, NJ 08832

PHONE NO. 732-738-8000

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE 12/22/14

Milton Vrgi

Bayshore Recycling Corp.
75 Crows Mill Rd
PO Box 298
Keasbey, NJ 08832

Facility ID: 132397

Ticket: 422577
Date: 12/23/2014
Time: 11:52:44 - 11:52:46

Customer: EWMI/BSM0216
14 BRICK KILN COURT
NORTHAMPTON, PA 18067-

Truck: AN370M

Carrier: MENDEZ TRUCKING

Profile: 2714-1098/PHIPPS PLAZA SOUTH
Generator: PHIPPS PLAZA SOUTH
Comment:

Scale

Gross: 82520 lb In Scale 1
Tare: 30400 lb P.T.
Net: 52120 lb
CUYDs: 25 License: AN370M
Truck Type: TRIAXLE

Manifest: 56751
Remaining: 0.00 TN

Origin	Materials & Services	Quantity Unit
Manhattan	ID27 PCS	26.06 Tons

THE ABOVE IS CORRECT AND NON-HAZARDOUS TO THE BEST OF MY KNOWLEDGE

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 56751

Job/Project # 108829

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp — Phipps Plaza South
902 Broadway, 13th Floor — 325 East 25th Street
New York, NY 10010 — Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT

Rapid Response Inc.

24 HOUR EMERGENCY PHONE #

877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non Hazardous Soil	2714-1098	EST. 22 Tons
		Grid I (WC-1A, WC-1B)		
		(0-8')		

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME

DATE 12-23-14

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME	ADDRESS	PHONE NO.
MENDEZ	430 UNION AV BELLEVILLE NJ	( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE Milton Urgiles

PRINT DRIVER'S NAME MILTON URGILES

DATE 12-23-14

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME	ADDRESS	PHONE NO.
Bayshore Soil Management, LLC	75 Crows Mill Road Keasbey, NJ 08832	732-738-8000

COMMENTS

4225-14

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE 12/23/14

Milton Drop

Bayshore Recycling Corp.
75 Crows Mill Rd
PO Box 290
Keasbey, NJ 08832

Facility ID: 132397

Ticket: 482302
Date: 12/23/2014
Time: 00:28:51 - 00:28:54

Scale

Customer: EWMI/BSM00216
14 BRICK KILN COURT
NORTHAMPTON, PA 18967-

Truck: AN370M

Gross: 83620 lb In Scale 2
Tare: 30400 lb P.T.
Net: 53220 lb

CUYDs: 25

License: AN370M
Truck Type: TRIAXLE

Carrier: MENDEZ TRUCKING

Manifest: 56748
Remaining: 0.00 TN

Profile: 2714-1090/PHIPPS PLAZA SOUTH
Generator: PHIPPS PLAZA SOUTH
Comments:

Origin	Materials & Services	Quantity Unit
Manhattan	ID27 PCS	26.61 Tons

THE ABOVE IS CORRECT AND NON-HAZARDOUS TO THE BEST OF MY KNOWLEDGE

Driver: _____ Weighmaster: Eamonn

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 56748

Job/Project # 108829

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp
902 Broadway, 13th Floor
New York, NY 10010

Phipps Plaza South
325 East 25th Street
Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non Hazardous Soil	2714-1098	EST. 22 Tons
		Grid I (IUC-1A, IUC-1B) (0-8')		

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME

DATE 12-23-14

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME: MENDEZ

ADDRESS: 490 UNION AV BELLEVILLE NJ

PHONE NO. ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE Milton Urgiles

PRINT DRIVER'S NAME MILTON URGILES

DATE 12-23-14

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME: Bayshore Soil Management, LLC

ADDRESS: 75 Crows Mill Road, Keasbey, NJ 08832

PHONE NO. 732-738-6000

COMMENTS: 122382

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE 12/23/14

Driver: _____ Weighmaster: Eamonn

Ruber S.

Bayshore Recycling Corp.
75 Crows Mill Rd
PO Box 290
Keasbey, NJ 08832

Facility ID: 132397

Ticket: 422425
Date: 12/23/2014
Time: 09:10:39 - 09:10:42

Scale

Customer: EMNL/BSM0216
14 BRICK KILN COURT
NORTHAMPTON, PA 18067-

Gross: 85400 lb In Scale 2
Tare: 29080 lb P.T.
Net: 56320 lb

Truck: AN869W

CUYDs: 25 License: AN869W
Truck Type: TRIAXLE

Carrier: MENDEZ TRUCKING

Manifest: 56749
Remaining: 0.00 TN

Profile: 2714-1090/PHIPPS PLAZA SOUTH
Generator: PHIPPS PLAZA SOUTH
Comment:

Origin	Materials & Services	Quantity	Unit
Manhattan	1027 MLS	28.16	Tons

THE ABOVE IS CORRECT AND NON-HAZARDOUS TO THE BEST OF MY KNOWLEDGE

Drivers: _____ Weighmaster: Eamonn

Non Hazardous Manifest/Bill Of Lading

Kuber S.

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 56749

Job/Project # 108829

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB26 Housing Development Fund Corp
902 Broadway, 13th Floor
New York, NY 10010

Phippe Plaza South
325 East 25th Street
Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT

Rapid Response Inc.

24 HOUR EMERGENCY PHONE #

877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non Hazardous Soil	2714-1098	EST. 22 Tons
		Grid 1 (LVC-1A, LVC-1B)		
		(LV-8)		

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME

DATE 12-23-14

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME: M ENVIES

ADDRESS

PHONE NO. ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AWRB9W	NY			

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE

PRINT DRIVER'S NAME Ruben Colon

DATE 12-23-14

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME: Bayshore Soil Management, LLC

ADDRESS: 75 Crows Mill Road, Keasbey, NJ 08832

PHONE NO. 732-738-8000

COMMENTS: 422425

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE 12/23/14

Driver: _____ Weighmaster: Lance

Ruben S.

Bayshore Recycling Corp.
75 Crows Mill Rd
PO Box 290
Keasbey, NJ 08832

Facility ID: L32397

Ticket: 422616
Date: 12/23/2014
Time: 12:20:48 - 12:28:51

Scale

Customer: EWNI/BSN0216
14 BRICK KILN COURT
NORTHAMPTON, PA 18067-

Truck: ANA69W

Gross: 81000 lb In Scale 1
Tare: 29080 lb P.T.
Net: 51920 lb

CUYDs: 25 License: ANA69W
Truck Type: TRIAXLE

Carrier: MENDEZ TRUCKING

Manifest: 56753
Remaining: 0.00 TN

Profile: 2714-1098/PHIPPS PLAZA SOUTH
Generator: PHIPPS PLAZA SOUTH
Comments:

Origin	Materials & Services	Quantity Unit
Manhattan	1927 PCS	25.96 Tons

THE ABOVE IS CORRECT AND NON-HAZARDOUS TO THE BEST OF MY KNOWLEDGE

Driver's _____ Weighmaster's _____

Non Hazardous Manifest/Bill Of Lading

Rubber S.

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 56753

Job/Project # 108929

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp — Phipps Plaza South
902 Broadway, 13th Floor — 325 East 25th Street
New York, NY 10010 — Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT

Rapid Response Inc.

24 HOUR EMERGENCY PHONE #

877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non Hazardous Soil	2714-1096	EST. 22 Tons
		6.d 1 (LX-1A, LX-1B)		
		Test (C-8')		

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME

DATE 12-22-14

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME — ADDRESS — PHONE NO. ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AN869W	NJ			

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE

PRINT DRIVER'S NAME

DATE 12-22-14

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME: Bayshore Soil Management, LLC

ADDRESS: 75 Crows Mill Road, Keasbey, NJ 08832

PHONE NO. 732-738-6000

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE 12/22/14

Driver: _____ Weighmaster: Lance

Eduardo S.

Bayshore Recycling Corp.
75 Crows Mill Rd
PO Box 290
Keasbey, NJ 08832

Facility ID: 132397

Ticket: 422414
Date: 12/23/2014
Time: 09:04:13 - 09:04:16

Customer: CWNI/DSM0216
14 BRICK KILN COURT
NORTHAMPTON, PA 18067-

Truck: AN550M

Scale

Gross: 83500 lb In Scale 1
Tare: 30980 lb P.T.
Net: 52520 lb

CUYDs: 25 License: AN550M

Truck Type: TRIAXLE

Carrier: MENDEZ TRUCKING

Profile: 2714-1008/PHIPPS PLAZA SOUTH
Generator: PHIPPS PLAZA SOUTH

Manifest: 56750
Remaining: 6.00 TN

Comments

Origin	Materials & Services	Quantity Unit
Manhattan	ID27 PCS	26.30 Tons

THE ABOVE IS ~~CORRECT AND~~ NON-HAZARDOUS TO THE BEST OF MY KNOWLEDGE

Driver: _____ Weighmaster: Lance

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 56750

Job/Project # 108829

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp Phipps Plaza South
902 Broadway, 13th Floor 325 East 25th Street
New York, NY 10010 Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non Hazardous Soil	2714-1098	EST. 22 Tons
		Grid I (WC-1A, WC-1B)		
		(U-8)		

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME

DATE

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME: MENDEZ TRUCKING BRONX, LLC

ADDRESS

PHONE NO. ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
4N55DM	NJ	10		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE

PRINT DRIVER'S NAME: EDWARD SILVA

DATE

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME: Bayshore Soil Management, LLC

ADDRESS: 75 Crows Mill Road, Keasbey, NJ 08832

PHONE NO. 732-738-8000

COMMENTS

I hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE

Eduardo S.

Bayshore Recycling Corp.
75 Crows Mill Rd
PO Box 290
Keasbey, NJ 08832

Facility ID: 132397

Ticket: 422600
Date: 12/23/2014
Time: 12:10:41 - 12:10:45

Scale

Customer: EMM1/BSM0216
14 BRICK KILN COURT
NORTHAMPTON, PA 18067

Gross: 80400 lb In - Scale 2
Tare: 30980 lb P.T.
Net: 49420 lb

Truck: AN550M

CUYDs: 25 License: AN550M
Truck Type: TRIAXLE

Carriers: MENDEZ TRUCKING

Manifest: 56752
Remaining: 0.00 TN

Profile: 2714-1098/PHIPPS PLAZA SOUTH
Generator: PHIPPS PLAZA SOUTH
Comments:

Origin	Materials & Services	Quantity Unit
Manhattan	1027 MCS	24.71 Tons

THE ABOVE IS CORRECT AND NON-HAZARDOUS TO THE BEST OF MY KNOWLEDGE

Drivers: Eduardo Weighmaster: Eamonn

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 56752

Job/Project # 108829

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp Phipps Plaza South
902 Broadway, 13th Floor 325 East 25th Street
New York, NY 10010 Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT

Rapid Response Inc.

24 HOUR EMERGENCY PHONE #

877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non Hazardous Soil	2714-1098	EST. 22 Tons
		Grid I (LOC-1A, LOC-1B)		
		(0-8')		

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME

DATE 10-22-14

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME	ADDRESS	PHONE NO.
MENDEZ TRUCKING LLC		( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
ANSPOM	NJ	10		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE

PRINT DRIVER'S NAME Eduardo Silva

DATE 10-23-14

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME	ADDRESS	PHONE NO.
Bayshore Soil Management, LLC	75 Crows Mill Road Keasbey, NJ 08832	732-738-6000

COMMENTS 422608

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE 12/12/14

Total # of Loads:	6	Wet Surcharge Tonnage:	0.00
Total Tonnage Shipped:	157.80	Light Load Surcharge Tonnage:	0
Average Tons per Load:	26.3	Total Tonnage (corrected for light loads):	0.00

Load#	Date	transporter	Truck #	Facility	Time In	Time Out	Manifest	Tons	Grid
1	12/23/2014	Mendez	288	Bayshore	700	715	56748	26.61	1(0-8')
2	12/23/2014	Mendez	28	Bayshore	700	730	56749	28.16	1(0-8')
3	12/23/2014	Mendez	10	Bayshore	700	745	56750	26.30	1(0-8')
4	12/23/2014	Mendez	288	Bayshore	1020	1045	56751	26.06	1(0-8')
5	12/23/2014	Mendez	10	Bayshore	1050	1105	56752	24.71	1(0-8')
6	12/23/2014	Mendez	28	Bayshore	1100	1130	56753	25.96	1(0-8')
7									
8									
9									

Bayshore Recycling Corp.
75 Crows Mill Rd
PO Box 290
Keasbey, NJ 08832

Facility ID: 132397

Ticket: 422382
Date: 12/23/2014
Time: 08:28:51 - 08:28:54

Scale

Customer: EWMI/BSM0216
14 BRICK KILN COURT
NORTHAMPTON, PA 18067-
Truck: AN370M

Gross: 83620 lb In Scale 2
Tare: 30400 lb P.T.
Net: 53220 lb
CUYDs: 25 License: AN370M
Truck Type: TRIAXLE

Carrier: MENDEZ TRUCKING

Manifest: 56748
Remaining: 0.00 TN

Profile: 2714-1090/PHIPPS PLAZA SOUTH
Generator: PHIPPS PLAZA SOUTH
Comment:

Origin	Materials & Services	Quantity Unit
Manhattan	ID27 PCS	26.61 Tons

THE ABOVE IS CORRECT AND NON-HAZARDOUS TO THE BEST OF MY KNOWLEDGE

Driver: _____ Weighmaster: Eamonn

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 56748

Job/Project # 103920

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS	IN CASE OF EMERGENCY OR SPILL CONTACT
KB25 Housing Development Fund Corp Phipps Plaza South 202 Broadway, 13th Floor 325 East 25th Street New York, NY 10010 Manhattan, NY 10010	Rapid Response Inc. 24 HOUR EMERGENCY PHONE # 877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non Hazardous Soil	2714-1098	EST 22 Tons
		Grid 1 (Lot-1A, Lot-1B)		
		(D-8')		
				Pg 1 of 1

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME Michael Gaul

DATE 10-23-14

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME	ADDRESS	PHONE NO.
NEWBERRY	430 UNION AV BELLEVILLE NJ	( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE Milton Hughes

PRINT DRIVER'S NAME MILTON HUGHES

DATE 10-23-14

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME	ADDRESS	PHONE NO.
Newcherry Soil Management, LLC	75 Crows Mill Road Keasbey, NJ 08832	732-738-8000

COMMENTS 412382

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE 10/23/14

Driver: _____ Weighmaster: Eamonn

Bayshore Recycling Corp.
75 Crows Mill Rd
PO Box 290
Keasbey, NJ 08832

Facility ID: 132397

Ticket: 422425
Date: 12/23/2014
Time: 09:10:39 - 09:10:42

Customer: EWMI/BSM0216
14 BRICK KILN COURT
NORTHAMPTON, PA 18067-
Truck: AN869W

Scale
Gross: 85400 lb In Scale 2
Tare: 29080 lb P.T.
Net: 56320 lb
CUYDs: 25 License: AN869W
Truck Type: TRIAXLE

Carrier: MENDEZ TRUCKING

Manifest: 56749
Remaining: 0.00 TN

Profile: 2714-1098/PHIPPS PLAZA SOUTH
Generator: PHIPPS PLAZA SOUTH
Comment:

Origin	Materials & Services	Quantity Unit
Manhattan	ID27 PCS	28.16 Tons

THE ABOVE IS CORRECT AND NON-HAZARDOUS TO THE BEST OF MY KNOWLEDGE

Driver: _____ Weighmaster: Eamonn

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 56749

Job/Project # 108829

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS	IN CASE OF EMERGENCY OR SPILL CONTACT
KB25 Housing Development Fund Corp. Phippe Plaza South 902 Broadway, 13th Floor 325 East 25th Street New York, NY 10010 Manhattan, NY 10010	Rapid Response Inc. 24 HOUR EMERGENCY PHONE # 877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non Hazardous Soil	2714-1085	EST. 22 Tons
		Grid C(0C-1A, 1C-1B)		
		(0C-8')		
				28 Ton

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE [signature] DATE 10-23-14

PRINT NAME [illegible]

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME	ADDRESS	PHONE NO.
M. Gallo & Co.		( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
A11869W	NJ			

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE [signature] DATE 10-23-14

PRINT DRIVER'S NAME Ramon Silva

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME	ADDRESS	PHONE NO.
Ravelbars Soil Management, LLC	75 Crows Mill Road Keasbey, NJ 08832	732-738-0000

COMMENTS 42425

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE [signature] DATE 10/23/14

PRINT NAME [illegible]

Driver: _____ Weighmaster: Lance

Bayshore Recycling Corp
75 Crows Mill Rd
PO Box 290
Keasbey, NJ 08832

Facility ID: 132397

Ticket: 422414
Date: 12/23/2014
Time: 09:04:13 - 09:04:16

Scale

Customer: EWMI/BSM0216
14 BRICK KILN COURT
NORTHAMPTON, PA 18067-

Truck: AN550M

Gross: 83500 lb In Scale 1
Tare: 30980 lb P.T.
Net: 52600 lb

CUYDs: 25 License: AN550M
Truck Type: TRIAXLE

Carrier: MENDEZ TRUCKING

Manifest: 56750
Profile: 2714-1098/PHIPPS PLAZA SOUTH Remaining: 0.00 TN
Generator: PHIPPS PLAZA SOUTH

Comments:

Origin	Materials & Services	Quantity Unit
Manhattan	ID27 PCS	26.30 Tons

THE ABOVE IS CORRECT AND NON-HAZARDOUS TO THE BEST OF MY KNOWLEDGE

Driver: _____ Weighmaster: Lance

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 56750

Job/Project # 108029

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp
992 Broadway, 13th Floor
New York, NY 10010

Philipps Plaza South
325 East 25th Street
Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
33	DT	Non Hazardous Soil	2714-1098	EST. 22 Tons
		Grid 1 (WC-1A, WC-1B) (0-8')		
				2nd BOL

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME Michael Cau

DATE

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME Meader Trucking

ADDRESS Bellville

PHONE NO. ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AN650M	NJ	10		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE

PRINT DRIVER'S NAME Edward Sima

DATE

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY. (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME
Bayshore Soil Management LLC

ADDRESS
75 Crows Mill Road
Keasbey, NJ 08832

PHONE NO.
732-738-8600

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE

Bayshore Recycling Corp
75 Crows Mill Rd
PO Box 290
Keasbey, NJ 08832

Facility ID: 132397

Ticket: 422577
Date: 12/23/2014
Time: 11:52:44 - 11:52:46

Customer: EWMI/BSM0216
14 BRICK KILN COURT
NORTHAMPTON, PA 18067-

Gross: 82520 lb In Scale 1
Tare: 30400 lb P.T.
Net: 52120 lb

Truck: AN370M
CUYDs: 25
License: AN370M
Truck Type: TRIAXLE

Carriers: MENDEZ TRUCKING

Manifest: 56751

Profile: 2714-1090/PHIPPS PLAZA SOUTH
Generator: PHIPPS PLAZA SOUTH
Remaining: 0.00 TN
Comments:

Origin	Materials & Services	Quantity	Unit
Manhattan	ID27 PCS	26.06	Tons

THE ABOVE IS CORRECT AND NON-HAZARDOUS TO THE BEST OF MY KNOWLEDGE

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 56751

Job/Project # 103829

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS	IN CASE OF EMERGENCY OR SPILL CONTACT
	Rapid Response Inc.
KR26 Housing Development Fund Corp Phipps Plaza South 902 Broadway, 19th Floor 325 East 25th Street New York, NY 10010 Manhattan, NY 10010	24 HOUR EMERGENCY PHONE # 877-460-1035

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non-Hazardous Soil	2714-1098	EST. 22 Tons
		Grid I (UC-1A, UC-1H) (0-8')		
				21.01

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE [signature] DATE 10-23-14

PRINT NAME [illegible]

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME	ADDRESS	PHONE NO.
WENDEL	130 UNION AV BELLEVILLE NJ	( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER IN	BOX NUMBER OUT	COMMENTS
			1	

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE [signature] DATE 10-23-14

PRINT DRIVER'S NAME HILTON VALLES

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME	ADDRESS	PHONE NO.
Raystown Soil Management, LLC	75 Crowe Mill Road Keasbey, NJ 08832	732-738-6000

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE [signature] DATE 10/23/14

PRINT NAME [illegible]

Bayshore Recycling Corp.
75 Crows Mill Rd
PO Box 290
Keasbey, NJ 08832

Facility ID: 132397

Ticket: 422608
Date: 12/23/2014
Time: 12:18:41 - 12:18:45

Scale

Customer: EWMI/BSM0216
14 BRICK KILN COURT
NORTHAMPTON, PA 18067-

Gross: 80400 lb In Scale 2
Tare: 30980 lb P.T.
Net: 49420 lb

Truck: AN550M

CUYDs: 25

License: AN550M
Truck Type: TRIAXLE

Carrier: MENDEZ TRUCKING

Manifest: 56752
Remaining: 0.00 TN

Profile: 2714-1090/PHIPPS PLAZA SOUTH
Generator: PHIPPS PLAZA SOUTH
Comment:

Origin	Materials & Services	Quantity	Unit
Manhattan	ID27 PCS	24.71	Tons

THE ABOVE IS CORRECT AND NON-HAZARDOUS TO THE BEST OF MY KNOWLEDGE

Drivers: Edmundo

Weighmaster: Eamonn

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 56752

Job/Project # 100923

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

1825 Housing Development Fund Corp — Phipps Plaza South
902 Broadway, 13th Floor — 325 East 25th Street
New York, NY 10010 — Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc

24 HOUR EMERGENCY PHONE #
877-480-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non Hazardous Soil	2714-1008	EST. 22 Tons
		Grid I (LOC-1A, LOC-1B) (0-8')		
				24.91 T

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE
PRINT NAME Michael Gaul
DATE 10-20-14

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME	ADDRESS	PHONE NO.
Metro Trucking Reliable LLC		( )

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AN5240M	NJ	10		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE
PRINT DRIVER'S NAME Luis D. Silva
DATE 10-23-14

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME	ADDRESS	PHONE NO.
Bayshore Soil Management LLC	75 Crows Mill Road, Keasbey, NJ 08832	732-738-0000

COMMENTS 4826808

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE
PRINT NAME
DATE 10-23-14

Bayshore Recycling Corp. Facility ID: 132397
75 Crows Mill Rd
PO Box 290 Ticket: 422616
Keasbey, NJ 08832 Date: 12/23/2014
Time: 12:28:48 - 12:28:51

Scale

Customer: EWMI/BSM0216 Gross: 81000 lb In Scale 1
14 BRICK KILN COURT Tare: 29080 lb P.T.
NORTHAMPTON, PA 18067 Net: 51920 lb

Truck: AN869W CUYDs: 25 License: AN869W
Truck Type: TRIAXLE

Carrier: MENDEZ TRUCKING

Manifest: 56253
Profile: 2214-1090/PHIPPS PLAZA SOUTH Remaining: 0.00 TN
Generator: PHIPPS PLAZA SOUTH
Comment:

Origin	Materials & Services	Quantity Unit
Manhattan	ID27 PCS	25.96 Tons

THE ABOVE IS CORRECT AND NON-HAZARDOUS TO THE BEST OF MY KNOWLEDGE

Customer Weighmaster

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 56753

Job/Project # 108829

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS:

KB25 Housing Development Fund Corp Phipps Plaza South
902 Broadway, 13th Floor 325 East 25th Street
New York, NY 10010 Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT:
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #:
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non Hazardous Soil	2714-1096	EST. 22 Tons
		Grid 1 (WC-1A, WC-1B)		
		Grid 10-8')		
				DYS(DT)

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE: [signature]

PRINT NAME: Michael Cox

DATE: 10-23-14

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME	ADDRESS	PHONE NO.
[illegible]		( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
A26680	NJ			

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE: [signature]

PRINT DRIVER'S NAME: [illegible]

DATE: 10-23-14

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME	ADDRESS	PHONE NO.
Haverstraw Soil Management LLC	75 Crows Mill Road Keasbey, NJ 08832	732.738.6000

COMMENTS: 482 tons

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE: [signature]

PRINT NAME: [illegible]

DATE: 10/24/14

Total # of Loads:	8	Wet Surcharge Tonnage:	0.00
Total Tonnage Shipped:	274.03	Light Load Surcharge Tonnage:	0
Average Tons per Load:	34.25375	Total Tonnage (corrected for light loads):	0.00

Load#	Date	transporter	Truck #	Facility	Time In	Time Out	Manifest	Tons
1	6/30/2015	Mendez	94	Palmerton			241634	33.28
2	6/30/2015	Mendez	87	Palmerton			241633	32.70
3	6/30/2015	Mendez	83	Palmerton			241632	35.66
4	6/30/2015	Mendez	22	Palmerton			241631	35.45
5	6/30/2015	Mendez	94	Palmerton			241635	33.86
6	6/30/2015	Mendez	83	Palmerton			241636	34.87
7	6/30/2015	Mendez	89	Palmerton			241638	32.79
8	6/30/2015	Mendez	22	Palmerton			241637	35.42
9								
10								

Transportation Charter / Manifest

Generator:

GENERATOR: KB25 HOUSING DEVELOPMENT FUND C[illegible]P.
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Michael Gowl

Authorized By (title) Agent of Phipps

Authorized By (sig)

TIME: 7:00 DATE: 6/30/15

Transporter:

Meader Trucking
#94

2

Driven By Carlo Guerrero

Truck/Trailer Plate AP-328 G AP 328 G

Driver Signature

TIME: DATE:

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

Grid 2

Manifest Number 241634

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 106500 GROSS WEIGHT 95520

NET TONS 3328 TARE WEIGHT 28980

TICKET NUMBER 104123

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Faith

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time 6-30-15 10:28am

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 241,634

Ticket Number: 41123

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:
7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):
Phipps Plaza South
325 East 25th St.
New York NY 10010

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
PA REG FILL

NOTES:

GROSS/TARE/NET (lbs)

95520 lb
28960 lb
66560 lb

NET (Tons):
33.280 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: GIS

Date and Time In and Out:	Tare Time	Gross Time
6/30/15	10:27 am	10:27 am

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:
MENDEZ

Driver Name and Signature (conditional):

Truck Plate Number:
AP328G

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: KB25 HOUSING DEVELOPMENT FUND CORP.
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Marshall Cowl

Authorized By (title) Agent of Prop

Authorized By (sig) [signature]

TIME: 7:05 DATE: 6/30/15

Transporter:

Mendez Trucking

2

Driven By MARCEL MINO

Truck/Trailer Plate 8Y AS354M

Driver Signature [signature]

TIME: _____ DATE: 6-30-15

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

Grid 2

Manifest Number 241633

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 65400 GROSS WEIGHT 95100

NET TONS 32.70 TARE WEIGHT 29700

TICKET NUMBER 1041138

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) marissa

Date/Time 6/30/15 10:57am

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) [signature]

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 241,633

Ticket Number: 1041138 41138

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):

Phipps Plaza South
325 East 25th St.
New York NY 10010

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
PA REG FILL

NOTES:

GROSS/TARE/NET (lbs)

95100 lb
29700 lb
65400 lb

NET (Tons):

32.700 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:
CIS

Date and Time In and Out:	Tare Time	Gross Time
6/30/15	10:56 am	10:57 am

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:
MENDEZ

Driver Name and Signature (conditional):

Truck Plate Number:
AS354M

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: K825 HOUSING DEVELOPMENT FUND CORP.
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Michael Gaul

Authorized By (title) Agent of Phipps

Authorized By (sig) [signature]

TIME: 7:25 DATE: 6/30/15

Transporter:

Meader Trucking

2

Driven By Francisco

Truck/Trailer Plate AL 337N #83

Driver Signature

TIME:_____ DATE:_____

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

Grid 2

Manifest Number 241632

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 71320 GROSS WEIGHT 100120

NET TONS 35.66 TARE WEIGHT 28800

TICKET NUMBER 104139

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Manssa

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time 6/30/15 10:59am

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) [signature]

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 241,632

Ticket Number: 1041139 41139

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):

Phipps Plaza South
325 East 25th St.
New York NY 10010

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

PA REG FILL

NOTES:

GROSS/TARE/NET (lbs)

100120 lb
28800 lb
71320 lb

NET (Tons):

35.660 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

Date and Time In and Out:	Tare Time	Gross Time
6/30/15	10:58 am	10:59 am

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

MENDEZ

Driver Name and Signature (conditional):

Francisco Heredia

Truck Plate Number:

AL337N

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: KB25 HOUSING DEVELOPMENT FUND CORP.
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Michael Gow

Authorized By (title) Agent of Phipps

Authorized By (sig) [signature]

TIME: 7:35 DATE: 6/30/15

Transporter:

Mendez Trucking

2

Driven By Javier Idrow

Truck/Trailer Plate Mendez # 22 AP874P

Driver Signature [signature]

TIME: _____ DATE: 6/30/15

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

Grid 2

Manifest Number 241631

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 70900 GROSS WEIGHT 97620

NET TONS 3545 TARE WEIGHT 26720

TICKET NUMBER 1041151

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Faith

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time 6-30-15 11:29AM

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) [signature]

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: ~~241,631~~

Ticket Number: 41151 ~~1041151~~

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):

Phipps Plaza South
325 East 25th St.
New York NY 10010

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

PA REG FILL

NOTES:

GROSS/TARE/NET (lbs)

97620 lb
26720 lb
70900 lb

NET (Tons):

35.450 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: ~~CIS~~

Date and Time In and Out: ~~6/30/15~~ Tare Time ~~11:28 am~~ Gross Time ~~11:28 am~~

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

MENDEZ

Driver Name and Signature (conditional):

Truck Plate Number:

~~AP874P~~

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: K525 HOUSING DEVELOPMENT FUND CORP.
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Michael Gaul

Authorized By (title) Agent of Phipps

Authorized By (sig) [signature]

TIME: 12:47 DATE: 6/30/15

Transporter:

Meeker Trucking
#94

2

Driven By Carlo Guerrero

Truck/Trailer Plate AP - 328 G

Driver Signature [signature]

TIME:_____ DATE:_____

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

Grid 2

Manifest Number 241635

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 68720 GROSS WEIGHT 96080

NET TONS 33.86 TARE WEIGHT 27360

TICKET NUMBER 1041199

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Marissa

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time 6/30/15 3:56pm

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) [signature]

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 241,635

Ticket Number: 1041199 41199

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):

Phipps Plaza South
325 East 25th St.
New York NY 10010

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
PA REG FILL

NOTES:

GROSS/TARE/NET (lbs)

96680 lb
28960 lb
67720 lb

NET (Tons):

33.860 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

Date and Time In and Out: 6/30/15 Tare Time 3:55 pm Gross Time 3:56 pm

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:
MENDEZ

Driver Name and Signature (conditional):
X

Truck Plate Number:
AP328G

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: K825 HOUSING DEVELOPMENT FUND CORP.
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Michael Gavi

Authorized By (title) Agent of Phipps

Authorized By (sig)

TIME: 13:23 DATE: 6/30/15

Transporter:

Mader Trucking

2

Driven By Francisco Hidalgo

Truck/Trailer Plate F83 AL337E

Driver Signature

TIME: DATE:

Manifest Number 241636

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

Grid 2

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 69740 GROSS WEIGHT 98540

NET TONS 3487 TARE WEIGHT 28800

TICKET NUMBER 1041212

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Faith

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time 6-30-15 4:34pm

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 241,636

Ticket Number: 041212 41212

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:
7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):
Phipps Plaza South
325 East 25th St.
New York NY 10010

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
PA REG FILL

NOTES:

GROSS/TARE/NET (lbs)
98540 lb
28800 lb
69740 lb

NET (Tons):
34.870 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

Date and Time In and Out: 6/30/15 Tare Time 4:32 pm Gross Time 4:33 pm

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:
MENDEZ

Driver Name and Signature (conditional):
Francisco Hidalgo

Truck Plate Number:
AL337N

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: KB25 HOUSING DEVELOPMENT FUND CORP.
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Michael Gaul

Authorized By (title) Agent of Phipps

Authorized By (sig) [signature]

TIME: 13:36 DATE: 6/30/15

Transporter:

Mendez Trucking

2

Driven By Manuel Mendo

Truck/Trailer Plate 89 ASSTM

Driver Signature [signature]

TIME: _____ DATE: 6-30-15

Manifest Number 241638

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

Grid 2

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 65580 GROSS WEIGHT 95280

NET TONS 3279 TARE WEIGHT 29700

TICKET NUMBER 1041221

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Faith

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time 6-30-15 5:12PM

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) [signature]

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 241,638

Ticket Number: 1041221 41221

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):

Phipps Plaza South
325 East 25th St.
New York NY 10010

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
PA REG FILL

NOTES:

GROSS/TARE/NET (lbs)

95280 lb
29700 lb
65580 lb

NET (Tons):

32.790 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

Date and Time In and Out: 6/30/15 Tare Time 5:11 pm Gross Time 5:12 pm

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:
MENDEZ

Driver Name and Signature (conditional):

Truck Plate Number:
AS354M

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: KB25 HOUSING DEVELOPMENT FUND CORP.
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Michael Lwl

Authorized By (title) Agent of Phipps

Authorized By (sig) [signature]

TIME: N&U DATE: 6/30/15

Transporter:

Mendez Trucking

2

Driven By Javier Idrovo

Truck/Trailer Plate Mendez # 22 AP874P

Driver Signature [signature]

TIME: _____ DATE: 6/30/15

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

Grid 2

Manifest Number 241637

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 70840 GROSS WEIGHT 97560

NET TONS 3542 TARE WEIGHT 26720

TICKET NUMBER 1041228

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Faith

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time 6-30-15 5:29pm

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) [signature]

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 241,637

Ticket Number: 041228 41228

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):

Phipps Plaza South
325 East 25th St.
New York NY 10010

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
PA REG FILL

NOTES:

GROSS/TARE/NET (lbs)

97560 lb
26720 lb
70840 lb

NET (Tons):

35.420 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

Date and Time In and Out:	Tare Time	Gross Time
6/30/15	5:28 pm	5:29 pm

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

MENDEZ

Driver Name and Signature (conditional):

Truck Plate Number:

AP874P

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Environmental Waste Minimization Inc.

14 Brick Kiln Court • Northampton, PA 18067
Tel. (484) 275-6900 Fax (484) 275-6970
www.ewmi-info.com

DAILY RECORD

Project #: 108829 Date: February 18, 2015 Day: _____

Customer: Monadnock Customer Contact: Joe Stila

Job Location: 325 E 25th St NYC, NY Customer Phone: 845-825-0133

NAMES	CODE	START	O.S. START	O.S. FINISH	FINISH	Total Hour
Ryan Shelly	PM	430	630	1200	1200	7.5
Subcontractor	**CODE**	**START**	**O.S. START**	**O.S. FINISH**	**FINISH**	**Total Hour**

QTY	MATERIALS / CONSUMABLES
1	PPE Level- (Circle One) Mod -D D C B

EQUIPMENT	QTY
EWMI Vehicle T-117	1

Paperwork left on-site	QTY

DISPOSAL /

JOB DESCRIPTION / REMARKS

Mobilization to site.
Met with Joe from Stila to discuss the day's activities which included load out of soil.
3 trucks were scheduled for turns beginning at 700. The breakdown was to be 3x2 to Palmerton.
3 trucks were on site at 700hrs. 3 additional trucks arrived between 1030 and 1120. Breakdown was changed to 6x1.
Material that was being loaded was from grid WC-3 (0'-8' bgs).

Discussed plans for tomorrow. 4 loads to Palmerton were requested and scheduled.

Today:
6 Loads of soil were sent to Palmerton.

Total of 6 Loads Today.
Truck Log attached.

Weather: Clear Temperature: 18 °F

Customer Signature: _____ Representative: Ryan Shelly

Date: _____ Date: February 18, 2015

Original - Customer Copy

Environmental Waste Minimization Inc.

14 Brick Kiln Court • Northampton, PA 18067
Tel. (484) 275-6900 Fax (484) 275-6970
www.ewmi-info.com

DAILY RECORD

Project #: 108829 Date: 2-19-15 Day:
Customer: Monadnock Customer Contact: Joe Stila
Job Location: 325 East 25th st Manhattan, NY Customer Phone: 845-825-0133

NAMES	CODE	START	O.S. START	O.S. FINISH	FINISH	Total Hour
Trevor B	Pm	430	700	1100	1300	8.5
Subcontractor	**CODE**	**START**	**O.S. START**	**O.S. FINISH**	**FINISH**	**Total Hour**

QTY	MATERIALS / CONSUMABLES
1	PPE Level- (Circle One) Mod -D D C B

EQUIPMENT	QTY
T-122	1
Hp Laptop	1

EQUIPMENT	QTY

DISPOSAL /

JOB DESCRIPTION / REMARKS

- I arrived on site at 645 and I met with Joe(Monadnock) to discuss todays load outs.
- Today we are loading out of Grid 3 (0-8') with 4 trucks to Palmerton. Joe had thought that we were getting 2*2 but I confirmed With Natasha(EWMI) that we were getting 1*4.
- Two trucks were on site for 700 but the other to showed up late and at the wrong job site in Brooklyn.
- I asked Joe if he needed any truck for Friday and he told me that they won't be hauling.
- Our second two trucks came in around 10 and were loaded by 11.
- I met with Joe and gave him his papers and a run-down of what went on for the day.

Weather: sunny Temperature: 20 °F
Customer Signature: Representative: Trevor Borger
Date: Date: 2-19-15

Original - Customer Copy

Total # of Loads:	4	Wet Surcharge Tonnage:	0.00
Total Tonnage Shipped:	109.82	Light Load Surcharge Tonnage:	0
Average Tons per Load:	27.455	Total Tonnage (corrected for light loads):	0.00

Load#	Date	transporter	Truck #	Facility	Time In	Time Out	Manifest	Tons
1	2/19/2015	Mendez	44	Palmerton	700	750	241592	25.12
2	2/19/2015	Mendez	24	Palmerton	700	815	241593	29.11
3	2/19/2015	Mendez	62	Palmerton	955	1015	241594	26.17
4	2/19/2015	Mendez	22	Palmerton	955	1045	241595	29.42
5								
6								
7								
8								

Transportation Charter / Manifest

Generator:

GENERATOR: KB25 HOUSING DEVELOPMENT FUND C[illegible].
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Agent of Phipps

Authorized By (title) Agent

Authorized By (sig)

TIME: 2:40 DATE: 2/19/15

Transporter:

Mendez #44

Grid 3 (0-8')

2

Driven By Luis Tello

Truck/Trailer Plate AS530D

Driver Signature Luis Tello

TIME: 7:46 DATE: 2-19-15

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

Manifest Number 241592

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 50240 GROSS WEIGHT 79380

NET TONS 2512 TARE WEIGHT 29140

TICKET NUMBER 1033810

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Jesse A

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time 02/19/15 10:10am

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) Luis Tello

Transportation Charter / Manifest

Generator:

GENERATOR: KB25 HOUSING DEVELOPMENT FUND CORP.
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Agent of Prop

Authorized By (title) Agent

Authorized By (sig)

TIME: 2:40 DATE: 2/19/25

Transporter:

Mendez #44

Grad (Corp)

2

Driven By Luis Trillo

Truck/Trailer Plate AS530D

Driver Signature Luis Trillo

TIME: 2:40 DATE: 2/19/25

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

Manifest Number 241592

Verify - JStila

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT _____

NET TONS _____ TARE WEIGHT _____

TICKET NUMBER _____

Received By (print)

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) Luis Trillo

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 241,592

Ticket Number: 33810
1033810

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):

Phipps Plaza South
325 East 25th St
New York NY 10010

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

PA REG FILL

NOTES:

GROSS/TARE/NET (lbs)

79380 lb
29140 lb
50240 lb

NET (Tons):

25.120 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
2/19/15	10:09 am	10:09 am

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

MENDEZ

Driver Name and Signature (conditional):

Luis Tello

Truck Plate Number:

AS630D

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: K825 HOUSING DEVELOPMENT FUND CORP.
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) [illegible]

Authorized By (title) [illegible]

Authorized By (sig) [illegible]

TIME: [illegible] DATE: [illegible]

Transporter:

Manifest #

(G.A.J. (L.L.C.)

2

Driven By [illegible]

Truck/Trailer Plate [illegible]

Driver Signature [illegible]

TIME: [illegible] DATE: [illegible]

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

Manifest Number 241593

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT _____

NET TONS _____ TARE WEIGHT _____

TICKET NUMBER _____

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Date/Time

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) [illegible]

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 241,593

Ticket Number: 1033815 33815

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):

Phipps Plaza South
325 East 25th St
New York NY 10010

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

PA REG FILL

NOTES:

GROSS/TARE/NET (lbs)

85620 lb
27400 lb
58220 lb

NET (Tons):

29.110 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
2/19/15	10:39 am	10:40 am

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

MENDEZ

Driver Name and Signature (conditional):

Truck Plate Number:

AP600W

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: K825 HOUSING DEVELOPMENT FUND C[illegible].
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Agent & Phipps

Authorized By (title) Agent

Authorized By (sig)

TIME: 10:00 DATE: 2/19/15

Transporter:

Mendez # 62

Grid 3 (0-8')

2

Driven By Adrian

Truck/Trailer Plate AP865P

Driver Signature

TIME: 10:00 DATE: 2-19-15

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

Manifest Number 241594

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 52340 GROSS WEIGHT 80640

NET TONS 2617 TARE WEIGHT 28300

TICKET NUMBER 1033827

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Jesse M

Date/Time 02/19/15 12:55pm

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Transportation Charter / Manifest

Generator:

GENERATOR: KB25 HOUSING DEVELOPMENT FUND CORP.
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) [illegible]

Authorized By (title) Agent

Authorized By (sig)

TIME: [illegible] DATE: 2/19/15

Transporter:

Mendez # 61

Grad 3 (6-A?)

2

Driven By [illegible]

Truck/Trailer Plate AP86SP

Driver Signature

TIME: [illegible] DATE: 2-19-15

Manifest Number 241594

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT _____

NET TONS _____ TARE WEIGHT _____

TICKET NUMBER _____

Received By (print)

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 241,594

Ticket Number: 1033827 33827

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York NY 10010

Source of Material (Description and Address):

Phipps Plaza South
325 East 25th St.
New York NY 10010

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

PA REG FILL

NOTES:

GROSS/TARE/NET (lbs)

80640 lb
28300 lb
52340 lb

NET (Tons):

26.170 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
2/19/15	12:54 pm	12:54 pm

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

MENDEZ

Driver Name and Signature (conditional):

Truck Plate Number:

AP965P

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: KB25 HOUSING DEVELOPMENT FUND C[illegible].
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Agent of Phipps

Authorized By (title) Agent

Authorized By (sig)

TIME: 10:15 DATE: 2/19/15

Transporter:

Mendez #22
Grid 3 (0-8')

2

Driven By Mesias

Truck/Trailer Plate AP874P.

Driver Signature

TIME: 16:15 DATE: 2-19-15

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

Manifest Number 241595

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 58840 GROSS WEIGHT 85560

NET TONS 2942 TARE WEIGHT 26720

TICKET NUMBER 1033829

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Date/Time 02/19/15 1:11pm

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Transportation Charter / Manifest

Generator:

GENERATOR: KB25 HOUSING DEVELOPMENT FUND CORP.
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Agent of Prop.

Authorized By (title) Agent

Authorized By (sig)

TIME: 1:20 DATE: 2/11/22

Transporter:

Mayer #22
(Grid 3 (1-5))

2

Driven By

Truck/Trailer Plate

Driver Signature

TIME: 4:11 DATE: 2/11/22

Manifest Number 241595

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

Verify -

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT _____

NET TONS _____ TARE WEIGHT _____

TICKET NUMBER _____

Received By (print)

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 241.595

Ticket Number: 1033829 33829

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):

Phipps Plaza South
325 East 25th St
New York NY 10010

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

PA REG FILL

NOTES:

GROSS/TARE/NET (lbs)

85560 lb
26720 lb
58840 lb

NET (Tons):

29.420 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
2/19/15	1:10 pm	1:11 pm

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

MENDEZ

Driver Name and Signature (conditional):

Truck Plate Number:

AP874P

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Total # of Loads:	6	Wet Surcharge Tonnage:	0.00
Total Tonnage Shipped:	159.42	Light Load Surcharge Tonnage:	0
Average Tons per Load:	26.57	Total Tonnage (corrected for light loads):	0.00

Load#	Date	transporter	Truck #	Facility	Time In	Time Out	Manifest	Tons	Grid
1	2/18/2015	Mendez	94	Palmerton	700	850	241672	24.68	WC-3 (0'-8' bgs)
2	2/18/2015	Mendez	223	Palmerton	700	910	241673	27.24	WC-3 (0'-8' bgs)
3	2/18/2015	Mendez	24	Palmerton	700	935	241674	29.98	WC-3 (0'-8' bgs)
4	2/18/2015	Mendez	56	Palmerton	1030	1120	241675	27.29	WC-3 (0'-8' bgs)
5	2/18/2015	Mendez	44	Palmerton	1030	1120	241676	25.44	WC-3 (0'-8' bgs)
6	2/18/2015	Mendez	1	Palmerton	1125	1135	241677	24.79	WC-3 (0'-8' bgs)
7									

Transportation Charter / Manifest

Generator:

GENERATOR: KB25 HOUSING DEVELOPMENT FUND CORP.
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Agent of Phipps

Authorized By (title) Agent

Authorized By (sig)

TIME: 7:00 DATE: 2/18/15

Transporter:

Meuler 94

2

Driven By Roger Mesey

Truck/Trailer Plate AP 378G

Driver Signature

TIME: 845 DATE: 2/18/15

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

WC-3 (0&8')

Manifest Number 241672

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 49360 GROSS WEIGHT 78320

NET TONS 2468 TARE WEIGHT 28960

TICKET NUMBER ~~1033776~~ 1033791

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time 02/18/15 11:20 am

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Transportation Charter / Manifest

Generator:

GENERATOR: KB25 HOUSING DEVELOPMENT FUND C
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print)

Authorized By (title)

Authorized By (sig)

TIME: DATE:

Transporter:

2

Driven By

Truck/Trailer Plate

Driver Signature

TIME: DATE:

Manifest Number 241672

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

WC 3 (0.2)

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT _____

NET TONS _____ TARE WEIGHT _____

TICKET NUMBER _____

Received By (print)

Date/Time

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 241672

Ticket Number: 1033791 33791

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

7542
KB251 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):

Phipps Plaza South
325 East 25th St
New York NY 10010

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

PA REG FILL

GROSS/TARE/NET (lbs)

78320 lb
28960 lb
49360 lb

NET (Tons):

24.680 tn

NOTES:

REPLACED TICKET 1033776

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
2/18/15	12:34 pm	12:34 pm

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

HERNDEZ

Driver Name and Signature (conditional):

JH

Truck Plate Number:

AR928C

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: KB25 HOUSING DEVELOPMENT FUND CORP.
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Angel of Phipps

Authorized By (title) Angel

Authorized By (sig)

TIME: 7am DATE: 2/18/15

Transporter:

Meroler 223

2

Driven By Hector

Truck/Trailer Plate AM 320V

Driver Signature

TIME: 905 DATE: 2/18/15

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

WC-3 (0-8')

Manifest Number 241673

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED
NET WEIGHT 54480 GROSS WEIGHT 83100
NET TONS 2724 TARE WEIGHT 28620
TICKET NUMBER 1033784

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time 02/18/15 12:01pm

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Transportation Charter / Manifest

Generator:

GENERATOR: KB25 HOUSING DEVELOPMENT FUND C
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print)

Authorized By (title)

Authorized By (sig)

TIME: DATE:

Transporter:

2

Driven By

Truck/Trailer Plate

Driver Signature

TIME: DATE:

Manifest Number 241673

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT _____

NET TONS _____ TARE WEIGHT _____

TICKET NUMBER _____

Received By (print)

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 241673

Ticket Number: 1033784 33784

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York NY 10010

Source of Material (Description and Address):

Phipps Plaza South
325 East 25th St
New York NY 10010

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

PA REG FILL

NOTES:

GROSS/TARE/NET (lbs)

83100 lb
28020 lb
55080 lb

NET (Tons):

27.240 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
2/10/15	12:01 pm	12:01 pm

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

MENDEZ

Driver Name and Signature (conditional):

Truck Plate Number:

AM328V

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: KB25 HOUSING DEVELOPMENT FUND CORP.
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Agent of Phipps

Authorized By (title) Agent

Authorized By (sig)

TIME: F/W DATE: 2/18/15

Transporter:

Meeker 24

2

Driven By DEREK TABOR

24
Truck/Trailer Plate A8690W

Driver Signature

TIME: 930 DATE: 2/18/15

Manifest Number 241674

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

WC-3 (0-8')

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 59960 GROSS WEIGHT 87360

NET TONS 2998 TARE WEIGHT 27400

TICKET NUMBER 1033787

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time 02/18/15 12:11pm

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Transportation Charter / Manifest

Generator:

GENERATOR: K825 HOUSING DEVELOPMENT FUND C
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print)

Authorized By (title)

Authorized By (sig)

TIME: DATE:

Transporter:

2

Driven By

Truck/Trailer Plate

Driver Signature

TIME: DATE:

Manifest Number 241674

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

Verified By

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT _____

NET TONS _____ TARE WEIGHT _____

TICKET NUMBER _____

Received By (print)

Date/Time

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 241674

Ticket Number: 1033787 33787

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

7542
1B25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):

Phipps Plaza South
325 East 25th St
New York NY 10010

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

PA REG FILL

NOTES:

GROSS/TARE/NET (lbs)

57360 lb
27400 lb
59960 lb

NET (Tons):

29.980 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
2/18/15	12:10 pm	12:10 pm

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

MENDEZ

Driver Name and Signature (conditional):

Truck Plate Number:

AP600W

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: KB25 HOUSING DEVELOPMENT FUND CORP.
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Agent of Phipps

Authorized By (title) Agent

Authorized By (sig)

TIME: 7:00 DATE: 2/12/15

Transporter:

Meader 56

2

Driven By Orlando O Scarzelli

Truck/Trailer Plate #56 AS521B NJ

Driver Signature

TIME: 1100 DATE: 2/18/15

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

WC-3 (0'-8')

Manifest Number 241675

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 54580 GROSS WEIGHT 83480

NET TONS 27.29 TARE WEIGHT 28900

TICKET NUMBER 1033801

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time 2/18/15 1:39pm

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Transportation Charter / Manifest

Generator:

GENERATOR: KB25 HOUSING DEVELOPMENT FUND
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print)

Authorized By (title)

Authorized By (sig)

TIME: _____ DATE: _____

Transporter:

2

Driven By

Truck/Trailer Plate

Driver Signature

TIME: _____ DATE: _____

Manifest Number 241675

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT _____

NET TONS _____ TARE WEIGHT _____

TICKET NUMBER _____

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Date/Time

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 241,675

Ticket Number: 1033801 33801

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

7542
KB29 Housing Development Fund
902 Broadway 13th Floor
New York NY 10010

Source of Material (Description and Address):

Phipps Plaza South
325 East 25th St
New York NY 10010

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

PA REG FILL

NOTES:

GROSS/TARE/NET (lbs)

~~83480~~ lb
28900 lb
~~54580~~ lb

NET (Tons):

27.290 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
2/19/15	1:36 pm	1:39 pm

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

MENDEZ

Driver Name and Signature (conditional):

Truck Plate Number:

~~AS521B~~

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: KB25 HOUSING DEVELOPMENT FUND C[illegible]PP.
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Agustin Phipps

Authorized By (title) Agent

Authorized By (sig)

TIME: [illegible] DATE: 2/18/15

Transporter:

Mercedes 44

2

Driven By Luis Tello

Truck/Trailer Plate AS530D

Driver Signature Luis Tello

TIME: 1100 DATE: 2/18/15

Manifest Number 241676

IMPACT ENVIRONMENTAL

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

WC-3 (0-8')

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 50880 GROSS WEIGHT 80020

NET TONS 25.44 TARE WEIGHT 29140

TICKET NUMBER 1033802

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Manuel

Date/Time 2/18/15 1:41pm

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) Luis Tello

Transportation Charter / Manifest

Generator:

GENERATOR: KB25 HOUSING DEVELOPMENT FUND
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print)

Authorized By (title)

Authorized By (sig)

TIME: DATE:

Transporter:

2

Driven By

Truck/Trailer Plate

Driver Signature

TIME: DATE:

Manifest Number 241676

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT _____

NET TONS _____ TARE WEIGHT _____

TICKET NUMBER _____

Received By (print)

Date/Time

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 241,676

Ticket Number: 1033802 33802

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York NY 10010

Source of Material (Description and Address):

Phipps Plaza South
325 East 25th St
New York NY 10010

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

PA REG FILL

NOTES:

GROSS/TARE/NET (lbs)

80820 lb
29140 lb
50680 lb

NET (Tons):

25.440 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
2/18/15	1:40 pm	1:41 pm

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

MENDEZ

Driver Name and Signature (conditional):

Luis Tello

Truck Plate Number:

A3530D

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: KB25 HOUSING DEVELOPMENT FUND CORP.
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Agatol Phipps

Authorized By (title) Agent

Authorized By (sig)

TIME: 7:00 DATE: 2/18/15

Transporter:

Mendez 1

2

Driven By Marlon E Lopez

Truck/Trailer Plate A12403 C

Driver Signature MLL

TIME: 11:30 DATE: 2/18/15

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

WC-3 (0'-8')

Manifest Number 241677

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED
NET WEIGHT 49380 GROSS WEIGHT 78920
NET TONS 2479 TARE WEIGHT 29340
TICKET NUMBER 1033804

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Josh M

Date/Time 02/18/15 2:43pm

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) MLL

Transportation Charter / Manifest

Generator:

GENERATOR: KB25 HOUSING DEVELOPMENT FUND
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print)

Authorized By (title)

Authorized By (sig)

TIME: _____ DATE: _____

Transporter:

2

Driven By

Truck/Trailer Plate

Driver Signature

TIME: _____ DATE: _____

Manifest Number 241677

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT _____

NET TONS _____ TARE WEIGHT _____

TICKET NUMBER _____

Received By (print)

Date/Time

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 241677

Ticket Number: 33804
1033804

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):

Phipps Plaza South
325 East 25th St
New York NY 10010

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

PA REG FILL

NOTES:

GROSS/TARE/NET (lbs)

76920 lb
29340 lb
49580 lb

NET (Tons):

24.790 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
2/10/15	2:42 pm	2:42 pm

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

[illegible]

Driver Name and Signature (conditional):

[signature]

Truck Plate Number:

AR903C

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 241,596

Ticket Number: 1034049 34049

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):

Phipps Plaza South
325 East 25th St
New York NY 10010

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

PA REG FILL

NOTES:

GROSS/TARE/NET (lbs)

81080 lb
26720 lb
54360 lb

NET (Tons):

27.180 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:
CIS

Date and Time In and Out:

	Tare Time	Gross Time
2/26/15	1:30 pm	1:30 pm

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

MENDEZ

Driver Name and Signature (conditional):

Truck Plate Number:
AP874P

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Total # of Loads:	6	Wet Surcharge Tonnage:	0.00
Total Tonnage Shipped:	173.50	Light Load Surcharge Tonnage:	0
Average Tons per Load:	28.9166667	Total Tonnage (corrected for light loads):	0.00

Load#	Date	transporter	Truck #	Facility	Time In	Time Out	Manifest	Tons
1	2/25/2015	Mendez		Bayshore			56755	27.25
2	2/25/2015	Mendez		Bayshore			56754	28.03
3	2/25/2015	Mendez		Bayshore			56756	28.71
4	2/25/2015	Mendez		Bayshore			56757	28.30
5	2/25/2015	Mendez		Bayshore			56759	31.43
6	2/25/2015	Mendez		Bayshore			56758	29.78
7								

Bayshore Recycling Corp.
75 Crows Mill Rd
PO Box 290
Keasbey, NJ 08832

Facility ID: 132397

Ticket: 440898
Date: 2/25/2015
Time: 09:11:47 - 09:11:51

Customer: EWMI/BSM0216
14 BRICK KILN COURT
NORTHAMPTON, PA 18067-
Truck: AS530D

Scale

Gross: 83700 lb In Scale 2
Tare: 29200 lb P.T.
Net: 54500 lb
CUYDs: 25 License: AS530D
Truck Type: TRIAXLE

Carrier: MENDEZ TRUCKING

Manifest: 56755
Remaining: 0.00 TN

Profile: 2714-1098/PHIPPS PLAZA SOUTH
Generator: PHIPPS PLAZA SOUTH
Comments:

Origin	Materials & Services	Quantity Unit
Manhattan	IDE7 PCS	27.25 Tons

THE ABOVE IS CORRECT AND NON-HAZARDOUS TO THE BEST OF MY KNOWLEDGE

Driver: Luis

Weighmaster: Alec

...on Hazardous Manifest/Bill Of Lading

...idence and Invoices to:
...ental Waste Minimization, Inc.
... Response, Inc.
...ick Kiln Court
...rthampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 56755

Job/Project # 108829

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp Phipps Plaza South
902 Broadway, 13th Floor 325 East 25th Street
New York, NY 10010 Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT

Rapid Response Inc.

24 HOUR EMERGENCY PHONE #

877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non Hazardous Soil	2714-1098	EST. 22 Tons
		Grid J WC-1A WC-1B		

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME Michael Cowl

DATE 2-25-15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME MENDEZ

ADDRESS 1190 Union Ave Belleville.

PHONE NO. ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
A5530D	NJ			

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE Luis Tello

PRINT DRIVER'S NAME Luis Tello

DATE 2-25-15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME Bayshore Soil Management, LLC

ADDRESS 75 Crows Mill Road Keasbey, NJ 08832

PHONE NO. 732-738-6000

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE 2/25/15

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 56755

Job/Project # 108829

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp Phipps Plaza South
902 Broadway, 13th Floor 325 East 25th Street
New York, NY 10010 Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non Hazardous Soil	2714-1098	EST. 22 Tons
		GBid1 Verify		

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME

DATE

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME MENDEZ

ADDRESS

PHONE NO. ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
A45307	NJ			

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE

PRINT DRIVER'S NAME

DATE

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME
Bayshore Soil Management, LLC

ADDRESS
75 Crows Mill Road
Keasbey, NJ 08832

PHONE NO.
732-738-6000

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE

Bayshore Recycling Corp.
75 Crows Mill Rd
PO Box 290
Keasbey, NJ 08832

Facility ID: 132397

Ticket: 440875
Date: 2/25/2015
Time: 08:42:19 - 08:42:24

Customer: EWMI/BSM0216
14 BRICK KILN COURT
NORTHAMPTON, PA 18067-
Truck: AP640W

Scale
Gross: 84580 lb In Scale 2
Tare: 28520 lb P.T.
Net: 56060 lb
CUYDs: 25 License: AP640W
Truck Type: TRIAXLE

Carrier: TORITO TRUCKING CORP

Profile: 2714-1098/PHIPPS PLAZA SOUTH
Generator: PHIPPS PLAZA SOUTH
Comment:

Manifest: 56754
Remaining: 0.00 TN

Origin	Materials & Services	Quantity Unit
Manhattan	ID27 PCS	28.03 Tons

THE ABOVE IS CORRECT AND NON-HAZARDOUS TO THE BEST OF MY KNOWLEDGE

Driver: _____

Weighmaster: Joe S

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 56754

Job/Project # 108829

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp Phipps Plaza South
902 Broadway, 13th Floor 325 East 25th Street
New York, NY 10010 Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT

Rapid Response Inc.

24 HOUR EMERGENCY PHONE #

877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non Hazardous Soil	2714-1098	EST. 22 Tons
		Grid 1		

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME Michael Gaul

DATE 2-25-15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME: MENDEZ T

ADDRESS: BELLEVILLE NJ

PHONE NO. ( ) -

VEHICLE I.D. NO.: AR6940W

STATE: NJ

BOX NUMBER-IN

BOX NUMBER-OUT

COMMENTS

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE

PRINT DRIVER'S NAME EDGAR TAPIA

DATE 2-25-15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME: Bayshore Soil Management, LLC

ADDRESS: 75 Crows Mill Road
Keasbey, NJ 08832

PHONE NO. 732-738-6000

COMMENTS: 4405 76

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE 02/25/15

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 56754

Job/Project # 108829

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp
902 Broadway, 13th Floor
New York, NY 10010

Phipps Plaza South
325 East 25th Street
Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non Hazardous Soil	2714-1098	EST. 22 Tons
		Grid 1 Verified		

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME

DATE

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME

ADDRESS

PHONE NO.

( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE

PRINT DRIVER'S NAME

DATE

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME
Bayshore Soil Management, LLC

ADDRESS
75 Crows Mill Road
Keasbey, NJ 08832

PHONE NO.
732-738-6000

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE

Bayshore Recycling Corp.
75 Crows Mill Rd
PO Box 290
Keasbey, NJ 08832

Facility ID: 132397

Ticket: 441092
Date: 2/25/2015
Time: 12:11:10 - 12:11:15
Scale

Customer: EWAI/BSM0216
14 BRICK KILN COURT
NORTHAMPTON, PA 18067-
Truck: AP690W

Gross: 84080 lb In Scale 1
Tare: 26660 lb P.T.
Net: 57420 lb
CUYDs: 25 License: AP690W
Truck Type: TRIAXLE

Carrier: MENDEZ TRUCKING

Manifest: 56756
Remaining: 0.00 TN

Profile: 2714-1090/PHIPPS PLAZA SOUTH
Generator: PHIPPS PLAZA SOUTH
Comments:

Origin	Materials & Services	Quantity Unit
Manhattan	ID27 PCS	28.71 Tons

THE ABOVE IS CORRECT AND NON-HAZARDOUS TO THE BEST OF MY KNOWLEDGE

Drivers: _____ Weighmaster: Joe S

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 56756

Job/Project # 108829

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp Phipps Plaza South
902 Broadway, 13th Floor 325 East 25th Street
New York, NY 10010 Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT

Rapid Response Inc.

24 HOUR EMERGENCY PHONE #

877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non Hazardous Soil	2714-1098	EST. 22 Tons

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE Michael Gorl

PRINT NAME Michael Gorl

DATE 2-25-15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME	ADDRESS	PHONE NO.
MENDEZ TRUCKING	BELLEVILLE NJ	( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AP690W	NJ			

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE

PRINT DRIVER'S NAME DOREEN TABORDA

DATE 2-25-15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME	ADDRESS	PHONE NO.
Bayshore Soil Management, LLC	75 Crows Mill Road Keasbey, NJ 08832	732-738-6000

COMMENTS 44092

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE 02/25/15

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 56756

Job/Project # 108829

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp Phipps Plaza South
902 Broadway, 13th Floor 325 East 25th Street
New York, NY 10010 Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non Hazardous Soil	2714-1098	EST. 22 Tons
		Grid 1 VERIFIED		

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME

DATE

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME

ADDRESS

PHONE NO. ( ) -

MEADER TRUCKING Belleville NJ

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT
A906W	NJ		

COMMENTS

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE

PRINT DRIVER'S NAME Darren Tarozza

DATE 2.25.15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR

FACILITY NAME
Bayshore Soil Management, LLC

ADDRESS
75 Crows Mill Road
Keasbey, NJ 08832

PHONE NO.
732-738-6000

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE

Bayshore Recycling Corp.
75 Crows Mill Rd
PO Box 290
Keasbey, NJ 08832

Facility ID: 132397

Ticket: 441101
Date: 2/25/2015
Time: 12:21:01 - 12:21:10

Scale

Gross: 85800 lb In Scale 1
Tare: 29200 lb P.T.
Net: 56600 lb

CUYDs: 25 License: AS530D
Truck Type: TRIAXLE

Customer: EWMI/BSM0216
14 BRICK KILN COURT
NORTHAMPTON, PA 18067-

Truck: AS530D

Carrier: MENDEZ TRUCKING

Manifest: 56757
Remaining: 0.00 TN

Profile: 2714-1098/PHIPPS PLAZA SOUTH
Generator: PHIPPS PLAZA SOUTH
Comment:

Origin	Materials & Services	Quantity Unit
Manhattan	ID27 PCB	28.30 Tons

THE ABOVE IS CORRECT AND NON-HAZARDOUS TO THE BEST OF MY KNOWLEDGE

Drivers: _____

Weighmaster: Joe S

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 56757

Job/Project # 108829

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp Phipps Plaza South
902 Broadway, 13th Floor 325 East 25th Street
New York, NY 10010 Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT

Rapid Response Inc.

24 HOUR EMERGENCY PHONE #

877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non Hazardous Soil	2714-1098	EST. 22 Tons
		Grid 1		

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE [signature]

PRINT NAME Agent of Phipps

DATE 2-25-15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME MENDEZ

ADDRESS 490 Union Ave Belleville NJ

PHONE NO. ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
A5530D	NJ			

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE Luis Tello

PRINT DRIVER'S NAME Luis Tello

DATE 2-25-15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME Bayshore Soil Management, LLC

ADDRESS 75 Crows Mill Road Keasbey, NJ 08832

PHONE NO. 732-738-6000

COMMENTS 4441.01

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE [signature]

PRINT NAME

DATE 02/26/15

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 56757

Job/Project # 108829

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp Phipps Plaza South
902 Broadway, 13th Floor 325 East 25th Street
New York, NY 10010 Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non Hazardous Soil	2714-1098	EST. 22 Tons
		Cell 1		
		Verified		

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME

DATE 2-25-15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME Hedde

ADDRESS 190 Union Ave Bellville NJ

PHONE NO. ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT
A5530	NJ		

COMMENTS

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE Luis Tello

PRINT DRIVER'S NAME Luis Tello

DATE 2-25-15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR

FACILITY NAME
Bayshore Soil Management, LLC

ADDRESS
75 Crows Mill Road
Keasbey, NJ 08832

PHONE NO. 732-738-8000

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE

Bayshore Recycling Corp.
75 Crows Mill Rd
PO Box 290
Keasbey, NJ 08832

Facility ID: 132397

Ticket: 441257
Date: 2/25/2015
Time: 14:56:15 - 14:56:19

Customer: EWMI/BSM0216
14 BRICK KILN COURT
NORTHAMPTON, PA 18067-
Truck: AP690W

Scale

Gross: 89520 lb In Scale 1
Tare: 26660 lb P.T.
Net: 62860 lb
CUYDs: 25 License: AP690W
Truck Type: TRIAXLE

Carrier: MENDEZ TRUCKING

Manifest: 56759
Remaining: 0.00 TN

Profile: 2714-1098/PHIPPS PLAZA SOUTH
Generator: PHIPPS PLAZA SOUTH
Comment:

Origin	Materials & Services	Quantity	Unit
Manhattan	ID27 PCS	31.43	Tons

THE ABOVE IS CORRECT AND NON-HAZARDOUS TO THE BEST OF MY KNOWLEDGE

Driver: _____

Weighmaster: Joe S

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 56759

Job/Project # 108829

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp Phipps Plaza South
902 Broadway, 13th Floor 325 East 25th Street
New York, NY 10010 Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT

Rapid Response Inc.

24 HOUR EMERGENCY PHONE #

877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non Hazardous Soil	2714-1098	EST. 22 Tons
		Grid 1		

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE [signature]

PRINT NAME Agent of Phipps

DATE 2-25-15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME	ADDRESS	PHONE NO.
MENDEZ TRUCKING	BELLEVILLE NJ	( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AP690W	NJ			

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE [signature]

PRINT DRIVER'S NAME DEDEEN TABORDA

DATE 2-25-15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME	ADDRESS	PHONE NO.
Bayshore Soil Management, LLC	75 Crows Mill Road Keasbey, NJ 08832	732-738-6000

COMMENTS 44257

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE [signature]

PRINT NAME [illegible]

DATE 02/25/15

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 56759

Job/Project # 108829

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp Phipps Plaza South
902 Broadway, 13th Floor 325 East 25th Street
New York, NY 10010 Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non Hazardous Soil	2714-1098	EST. 22 Tons
		GRID 1-1		
		Verify		

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME

DATE 2.25.15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME	ADDRESS	PHONE NO.
MENDEZ TRUCKING	BELLEVILLE NJ	( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
A9690W	NJ			

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE

PRINT DRIVER'S NAME ORDER TABORDA

DATE 2.25.15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME	ADDRESS	PHONE NO.
Bayshore Soil Management, LLC	75 Crows Mill Road Keasbey, NJ 08832	732-738-6000

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE

Bayshore Recycling Corp.
75 Crows Mill Rd
PO Box 290
Keasbey, NJ 08832

Facility ID: 132397

Ticket: 441271
Date: 2/25/2015
Time: 15:15:51 - 15:15:58

Customer: EWMI/BSN0216
14 BRICK KILN COURT
NORTHAMPTON, PA 18067-
Truck: AS530D

Scale
Gross: 88760 lb In Scale 2
Tare: 29200 lb P.T.
Net: 59560 lb
CUYDs: 25 License: AS530D
Truck Type: TRIAXLE

Carrier: MENDEZ TRUCKING

Manifest: 56758
Remaining: 0.00 TN

Profile: 2714-1098/PHIPPS PLAZA SOUTH
Generator: PHIPPS PLAZA SOUTH
Comment:

Origin	Materials & Services	Quantity Unit
Manhattan	ID27 PCS	29.78 Tons

THE ABOVE IS CORRECT AND NON-HAZARDOUS TO THE BEST OF MY KNOWLEDGE

Driver: _____

Weighmaster: Joe S

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 56758

Job/Project # 108829

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp Phipps Plaza South
902 Broadway, 13th Floor 325 East 25th Street
New York, NY 10010 Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT

Rapid Response Inc.

24 HOUR EMERGENCY PHONE #

877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non Hazardous Soil	2714-1098	EST. 22 Tons
		Grid 1		

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME Agent of Phipps

DATE 2-25-15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME MENDEZ ADDRESS 490 Union Ave Belleville NJ PHONE NO. ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AS530D	NJ			

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE Luis Tello

PRINT DRIVER'S NAME Luis Tello

DATE 2-25-15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME Bayshore Soil Management, LLC ADDRESS 75 Crows Mill Road Keasbey, NJ 08832 PHONE NO. 732-738-6000

COMMENTS 44271

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE 02/25/15

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 56758

Job/Project # 108829

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS	IN CASE OF EMERGENCY OR SPILL CONTACT
KB25 Housing Development Fund Corp Phipps Plaza South 902 Broadway, 13th Floor 325 East 25th Street New York, NY 10010 Manhattan, NY 10010	Rapid Response Inc. 24 HOUR EMERGENCY PHONE # 877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Non Hazardous Soil	2714-1098	EST. 22 Tons
		GRICL 1		
		VERIFY		

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME

DATE

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME	ADDRESS	PHONE NO.
MENDEZ	199 Union Ave Belleville NJ	( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AS530D	NJ			

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE Luis Tello

PRINT DRIVER'S NAME Luis Tello

DATE 2-25-15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME	ADDRESS	PHONE NO.
Bayshore Soil Management, LLC	75 Crows Mill Road Keasbey, NJ 08832	732-738-6000

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE

Total # of Loads:	1	Wet Surcharge Tonnage:	0.00
Total Tonnage Shipped:	27.18	Light Load Surcharge Tonnage:	0
Average Tons per Load:	27.18	Total Tonnage (corrected for light loads):	0.00

Load#	Date	transporter	Truck #	Facility	Time In	Time Out	Manifest	Tons
1	2/26/2015	Mendez	22	Palmerton			241596	27.18
2								
3								
4								
5								

Transportation Charter / Manifest

Generator:

GENERATOR: KB25 HOUSING DEVELOPMENT FUND C[illegible].
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Michael Gaul

Authorized By (title) Agent of Phipps

Authorized By (sig) [signature]

TIME: 10:99 DATE: 2-26-15

Transporter:

Mendez 22.

2

Driven By Mesias

Truck/Trailer Plate AP874P

Driver Signature [signature]

TIME: 11:15 DATE: 2-26-15

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

Manifest Number 241596

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 54360 GROSS WEIGHT 81080

NET TONS 27.18 TARE WEIGHT 26720

TICKET NUMBER 1034049

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Jose M

Date/Time 02/26/15 1:30pm

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) [signature]

Transportation Charter / Manifest

Generator:

GENERATOR: K825 HOUSING DEVELOPMENT FUND C[illegible]P.
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Michael Grol

Authorized By (title) Agent of Phipps

Authorized By (sig) [signature]

TIME: 0949 DATE: 2-26-15

Transporter:

Mendez 22

2

Driven By Mesias

Truck/Trailer Plate AP874P

Driver Signature [signature]

TIME: 11:15 DATE: 2 26 15

Manifest Number 241596

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL

Grid 2 WC-2A, WC-2B

VERIFIED BY [signature]

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT _____

NET TONS _____ TARE WEIGHT _____

TICKET NUMBER _____

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Received By (print)

Date/Time

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) [signature]

Environmental Waste Minimization Inc.

14 Brick Kiln Court • Northampton, PA 18067
Tel. (484) 275-6900 Fax (484) 275-6970
www.ewmi-info.com

DAILY RECORD

Project #: 108829 Date: 6-19-15 Day: _____

Customer: Monadnock Customer Contact: Joe Stila

Job Location: 325 East 25th st Manhattan, NY Customer Phone: 845-825-0133

NAMES	CODE	START	O.S. START	O.S. FINISH	FINISH	Total Hour
Trevor B	Pm	430	700	1345	1600	11.5
Subcontractor	**CODE**	**START**	**O.S. START**	**O.S. FINISH**	**FINISH**	**Total Hour**

QTY	MATERIALS / CONSUMABLES
1	PPE Level- (Circle One) Mod -D D C B

EQUIPMENT	QTY
T-187	1
Hp Laptop	1

EQUIPMENT	QTY

DISPOSAL /

JOB DESCRIPTION / REMARKS

- I arrived on site at 645 and met with Joe(Monadnock) to discuss our load outs today. He had asked for 8 loads to PPark but we only Got enough trucks to get 6 loads today. We will be shipping from Grid 3 (8-12').
- When I investigated the stock pile I found that there was a lot of Brick in the pile, along with some wood and pipe. I took some Pictures and sent them to Natasha(EWMI) so she could see. She agreed with me that we would probably get surcharged for the amount of Brick, but we would do our best to remove all the other debris.
- Both trucks were loaded and off site around 730, when they arrived at PPark the y both got hit with a surcharge because of the brick.
- I asked Natasha what our game plan was and she said to keep shipping.
- The trucks arrived a little after 10 to get loaded for the second round and the material looked the same as the first round.
- The last round of trucks arrived just after 1 and the load outs started. The second truck that arrived for the last round was replacing One of the trucks from the previous rounds. The load outs wrapped up just after 130.
- Joe asked me if they could get 2x3 on Monday now instead of 3x3. I called Natasha(EWMI) and she made the changes.

Weather: Sunny Temperature: 85 °F

Customer Signature: _____ Representative: Trevor Borger

Date: _____ Date: 6-19-15

Original - Customer Copy

Total # of Loads:	6	Wet Surcharge Tonnage:	0.00
Total Tonnage Shipped:	177.99	Light Load Surcharge Tonnage:	0
Average Tons per Load:	29.665	Total Tonnage (corrected for light loads):	0.00

Load#	Date	transporter	Truck #	Facility	Time In	Time Out	Manifest	Tons	Grid
1	6/19/2015	Mendez	61	PPark	700	725	56709	29.97	3(8-12')
2	6/19/2015	Mendez	32	PPark	700	735	56710	29.95	3(8-12')
3	6/19/2015	Mendez	61	PPark	1015	1030	56711	28.62	3(8-12')
4	6/19/2015	Mendez	32	PPark	1020	1045	56712	30.21	3(8-12')
5	6/19/2015	Mendez	32	PPark	1305	1325	56713	29.59	3(8-12')
6	6/19/2015	Mendez	53	PPark	1320	1340	56714	29.65	3(8-12')
7									
8				Surcharge for mixed material-177.99/tons					
9									
10									
11									
12									
13									
14									

Weight Ticket

Ticket No. 46072
Issued On 06.19.2015 09:02 AM

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer

Ref. No.	42
Name	Environmental Waste Minimization Inc.
Address	14 Brick Kiln Court
City, State, ZIP	Northampton, PA 18067

Truck

Hauler Name	MENDEZ
Plate No.	AP864P

Project

Name	KB25 Housing Development Fund Corp,
Job	14-367
PO #	PO #108829
Address	325 East 25th Street
City, State, Zip	10010 Manhattan

Date and Time

Gross	6/19/2015 9:02:23 AM
Tare	6/19/2015 8:45:18 AM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Surcharge - Reclassified as Mixed Material	89,000	29,060	59,940	29.97	0.00
Clean Fill	89,000	29,060	59,940	29.97	0.00
TOTAL					

Fill Zone: IX
Remarks: MANIFEST #56709

Driver Signature

Weighmaster Signature

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 56709

Job/Project # 108829 #14,367.

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp Phipps Plaza South
902 Broadway, 13th Floor 325 East 25th Street
New York, NY 10010 Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	102914-0228	EST. 22 Tons
		Grid 3 (8-12')		89000
		WC-3A, WC-3B		24060
				29.97

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE John Dmko on Behalf of owner
PRINT NAME John Dmko " "
DATE 6-19-15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME Mendez
ADDRESS 490 Union Ave Belleville
PHONE NO. ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AP 864P	NJ	61		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon

DRIVER'S SIGNATURE DARIO OCHOA
PRINT DRIVER'S NAME DARIO OCHOA
DATE 6-19-15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME PPark NJ, LLC
ADDRESS 100 Planten Ave Prospect Park, NJ 07508
PHONE NO. 973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE
PRINT NAME Matt Hunt
DATE 6/19/15

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 56709

Job/Project # 108829

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp
902 Broadway, 13th Floor
New York, NY 10010

Phipps Plaza South
325 East 25th Street
Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	102914-0228	EST. 22 Tons
		Grid 3 (8-12')		
		WC-3A, WC-3B		
		Verified By [signature]		

I Hereby certify that the above named waste(s) are properly assified, described, packaged, marked, and labeled and are in oper condition for transportation according to the applicable gulations of the DOT and the EPA.

GENERATOR'S SIGNATURE [signature]

PRINT NAME [illegible]

DATE 6-11-15

IS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

MPANY NAME
Nendez

ADDRESS
490 Union Ave Belleville

PHONE NO.
( ) -

ICLE I.D. NO.
8614P

STATE
NJ

BOX NUMBER-IN
61

BOX NUMBER-OUT

COMMENTS

by certify that the above described waste(s) ccepted for transportation at the producer's delivery to the waste facility. Both as listed n.

DRIVER'S SIGNATURE [signature]

PRINT DRIVER'S NAME [illegible]

DATE 6-11-15

ECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

Y NAME
PPark NJ, LLC

ADDRESS
100 Planten Ave
Prospect Park, NJ 07508

PHONE NO.
973-947-4488

NTS

tify that the above described wastes were his Facility, that the Facility is authorized d to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE

Weight Ticket

Ticket No. 46073
Issued On 06.19.2015 09:11 AM

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer

Ref. No.	42
Name	Environmental Waste Minimization Inc.
Address	14 Brick Kiln Court
City, State, ZIP	Northampton, PA 18067

Truck

Hauler Name	MENDEZ #32
Plate No.	AP306X

Project

Name	KB25 Housing Development Fund Corp,
Job	14-367
PO #	PO #108829
Address	325 East 25th Street
City, State, Zip	10010 Manhattan

Date and Time

Gross	6/19/2015 9:09:50 AM
Tare	6/19/2015 9:01:51 AM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Surcharge - Reclassified as Mixed Material	89,240	29,340	59,900	29.95	0.00
Clean Fill	89,240	29,340	59,900	29.95	0.00
TOTAL					

Fill Zone: IX-S
Remarks: MANIFEST #56710

Driver Signature

Weighmaster Signature

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 56710 #14-367.

Job/Project # 108829

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp Phipps Plaza South
902 Broadway, 13th Floor 325 East 25th Street
New York, NY 10010 Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	102914-0228	EST. 22 Tons
		Grid 3 (8-12')		89240
		WC-3A, WC-3B		29340
				29.95

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE John Dunko on behalf of owner
PRINT NAME John Dunko on behalf of owner
DATE 6-19-15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME Mendez
ADDRESS 496 Union Ave Belleville
PHONE NO. ( ) -

VEHICLE I.D. NO. AP306X
STATE NJ
BOX NUMBER-IN 32
BOX NUMBER-OUT
COMMENTS

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE
PRINT DRIVER'S NAME EDUARDO SILVA
DATE 06-19-15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME PPark NJ, LLC
ADDRESS 100 Planten Ave Prospect Park, NJ 07508
PHONE NO. 973.947.4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE
PRINT NAME Matt Hunt
DATE 6/19/15

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 56710

Job/Project # 108829

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp Phipps Plaza South
902 Broadway, 13th Floor 325 East 25th Street
New York, NY 10010 Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	102914-0228	EST. 22 Tons
		Grid 3 (8-12')		
		WC-3A, WC-3B		
		Verified By [signature]		

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE [signature]

PRINT NAME [signature]

DATE 6-19-15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME	ADDRESS	PHONE NO.
Mendez	490 Union Ave Belleville	( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AP306X	NJ	32		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE [signature]

PRINT DRIVER'S NAME Edwardo S. Silva

DATE 06-19-15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME	ADDRESS	PHONE NO.
PPark NJ, LLC	100 Planten Ave Prospect Park, NJ 07508	973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE

Weight Ticket

Ticket No. 46094
Issued On 06.19.2015 12:04 PM

PPark
100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer

Ref. No.	42
Name	Environmental Waste Minimization Inc.
Address	14 Brick Kiln Court
City, State, ZiP	Northampton, PA 18067

Truck

Hauler Name	MENDEZ
Plate No.	AP864P

Project

Name	KB25 Housing Development Fund Corp,/Phipps Plaza
Job	14-367
PO #	PO #108829
Address	325 East 25th Street
City, State, Zip	10010 Manhattan

Date and Time

Gross	6/19/2015 12:00:54 PM
Tare	6/19/2015 11:55:31 AM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Surcharge - Reclassified as Mixed Material	86,220	28,980	57,240	28.62	0.00
Clean Fill	86,220	28,980	57,240	28.62	0.00
TOTAL					

Fill Zone: IX
Remarks: MANIFEST #56711

Driver Signature

Weighmaster Signature

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 56711

Job/Project # 108829

14.367

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp Phipps Plaza South
902 Broadway, 13th Floor 325 East 25th Street
New York, NY 10010 Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	102914-0228	EST. 22 Tons
		Grid 3 (8-12')		86.22
				28.98
		WC-3A, WC-3B		28.62

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE John Danko on behalf of owner

PRINT NAME John Danko on behalf of owner

DATE 6-19-15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME	ADDRESS	PHONE NO.
Meridez	490 Union Ave Belleville	( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AP 864P	NJ	61		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE [signature]

PRINT DRIVER'S NAME [illegible]

DATE 6-19-15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME	ADDRESS	PHONE NO.
PPark N.J. LLC	100 Planten Ave Prospect Park, NJ 07508	973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE [signature]

PRINT NAME Matt Hunt

DATE 6/19/15

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 56711

Job/Project # 108829

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp Phipps Plaza South
902 Broadway, 13th Floor 325 East 25th Street
New York, NY 10010 Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT

Rapid Response Inc.

24 HOUR EMERGENCY PHONE #

877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	102914-0228	EST. 22 Tons
		Grid 3 (B-D)		
		WC-3A, WC-3B		
		Verified By		

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME

DATE 6-19-15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME	ADDRESS	PHONE NO.
Mendez	1190 Union Ave Belleville	( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AP 864P	NJ	61		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE

PRINT DRIVER'S NAME

DATE 6.19.15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME	ADDRESS	PHONE NO.
PPark NJ, LLC	100 Planten Ave Prospect Park, NJ 07508	973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE

Weight Ticket

Ticket No. 46095
Issued On 06.19.2015 12:08 PM

PPark
100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer

Ref. No.	42
Name	Environmental Waste Minimization Inc.
Address	14 Brick Kiln Court
City, State, ZIP	Northampton, PA 18067

Truck

Hauler Name	MENDEZ #32
Plate No.	AP306X

Project

Name	KB25 Housing Development Fund Corp,/Phipps Plaza
Job	14-367
PO #	PO #108829
Address	325 East 25th Street
City, State, Zip	10010 Manhattan

Date and Time

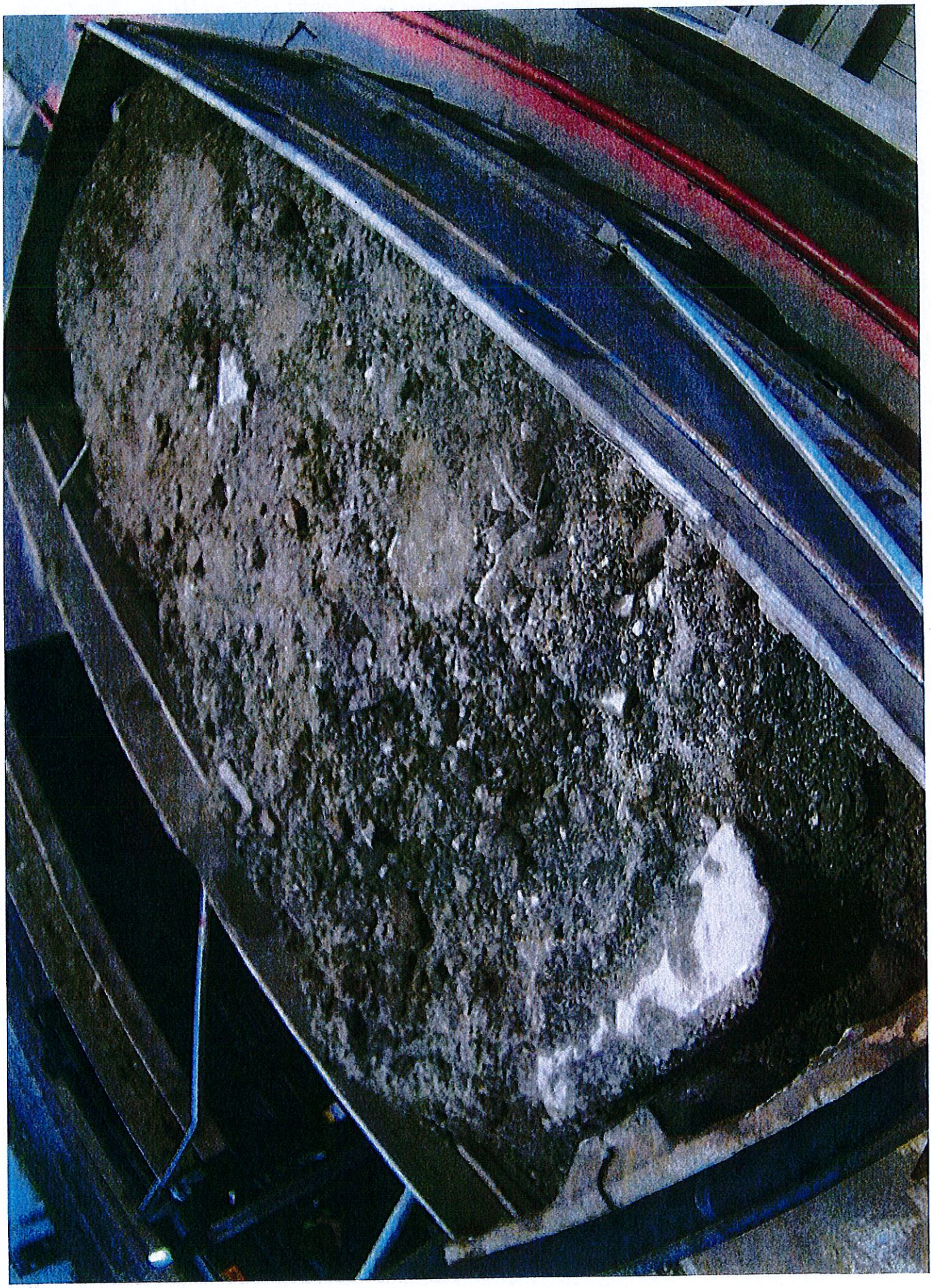
Gross	6/19/2015 12:08:04 PM
Tare	6/19/2015 12:00:42 PM

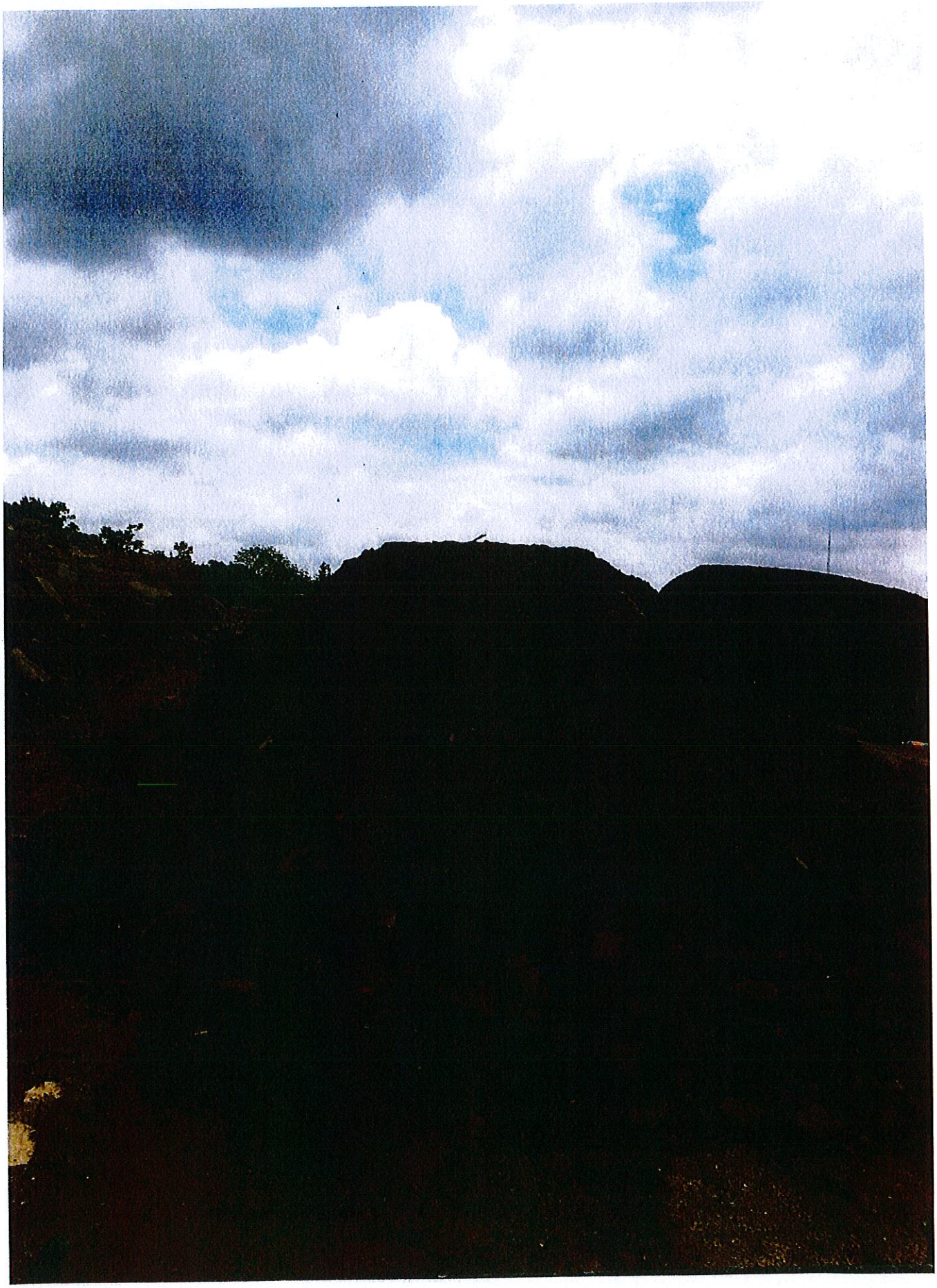
Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Surcharge - Reclassified as Mixed Material	89,680	29,260	60,420	30.21	0.00
Clean Fill	89,680	29,260	60,420	30.21	0.00
TOTAL					

Fill Zone: IX
Remarks: MANIFEST #56712

Driver Signature

Weighmaster Signature





Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 56712

Job/Project # 108829 #14-367

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp Phipps Plaza South
902 Broadway, 13th Floor 325 East 25th Street
New York, NY 10010 Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	102914-0228	EST. 22 Tons
		Grid 3 (8-12')		89680
		WC-3A, WC-3B		29260.
				30.21.

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE John Danko on Behalf of owner
PRINT NAME John Danko on Behalf of owner
DATE 6-19-15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME	ADDRESS	PHONE NO.
Mendez	490 ~~Mendez~~ Union Ave Belleville	( )

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AP 306X	NJ	32		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE
PRINT DRIVER'S NAME Eduardo Silva
DATE 6-19-15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME	ADDRESS	PHONE NO.
PPark N.J. LLC	100 Planten Ave Prospect Park, NJ 07508	973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE
PRINT NAME Matt Hurst
DATE 6/19/15

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 56712

Job/Project # 108829

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp Phipps Plaza South
902 Broadway, 13th Floor 325 East 25th Street
New York, NY 10010 Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	102914-0228	EST. 22 Tons
		Grid 3 (8-12)		
		WC-3A, WC-3B		
		Verified by Joe DeLia		

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE John Danko on Behalf of owner

PRINT NAME John Danko on Behalf of owner

DATE 6-19-15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME	ADDRESS	PHONE NO.
Mendez	1190 Union Ave Belleville	( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AP 306X	NJ	32		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE

PRINT DRIVER'S NAME Eduardo Silva

DATE 6-19-15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME	ADDRESS	PHONE NO.
PPark NJ, LLC	100 Planten Ave Prospect Park, NJ 07508	973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE

Weight Ticket

Ticket No. 46101
Issued On 06.19.2015 02:48 PM

PPark
100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer

Ref. No.	42
Name	Environmental Waste Minimization Inc.
Address	14 Brick Kiln Court
City, State, ZiP	Northampton, PA 18067

Truck

Hauler Name	MENDEZ #32
Plate No.	AP306X

Project

Name	KB25 Housing Development Fund Corp,/Phipps Plaza
Job	14-367
PO #	PO #108829
Address	325 East 25th Street
City, State, Zip	10010 Manhattan

Date and Time

Gross	6/19/2015 2:48:34 PM
Tare	6/19/2015 2:42:05 PM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Surcharge - Reclassified as Mixed Material	88,340	29,160	59,180	29.59	0.00
Clean Fill	88,340	29,160	59,180	29.59	0.00
TOTAL					

Fill Zone: IX
Remarks: MANIFEST #56713

Driver Signature

Weighmaster Signature

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 56713

Job/Project # 108829 14-367

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp Phipps Plaza South
902 Broadway, 13th Floor 325 East 25th Street
New York, NY 10010 Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	102914-0228	EST. 22 Tons
		Grid 3 (8-10')		
				88.34
		WC-3A, WC-3B		
				29.60
				29.54

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE [signature] on behalf of owner
PRINT NAME John Danko
DATE 6-19-15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME: MONTEZ TRUCKING
ADDRESS: 490 Union Ave Belleville
PHONE NO.: ( ) -

VEHICLE I.D. NO.: AP 306X
STATE: NJ
BOX NUMBER-IN: 32
BOX NUMBER-OUT:
COMMENTS:

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE [signature]
PRINT DRIVER'S NAME Marco Silva
DATE 6-19-15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME: PPark N.J, LLC
ADDRESS: 100 Planten Ave
Prospect Park, NJ 07508
PHONE NO.: 973-947-4488

COMMENTS:

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE [signature]
PRINT NAME [signature]
DATE 6/19/15

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 56713

Job/Project # 108829

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp Phipps Plaza South
902 Broadway, 13th Floor 325 East 25th Street
New York, NY 10010 Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	102914-0228	EST. 22 Tons
		Grid 3 (8-10')		
		WC-3A, WC-3B		
		Verified By Joseph Sylva		

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE [signature]

PRINT NAME John Drutko

DATE 6-19-15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME	ADDRESS	PHONE NO.
MENZ EZ TRUCKING	490 Union Ave Bellmawr	( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AP 306X	NJ	32		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE [signature]

PRINT DRIVER'S NAME Eduardo Silva

DATE 6-19-15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME	ADDRESS	PHONE NO.
PPark NJ, LLC	100 Planten Ave Prospect Park, NJ 07508	973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE

Weight Ticket

Ticket No. 46103
Issued On 06.19.2015 03:09 PM

PPark
100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer

Ref. No.	42
Name	Environmental Waste Minimization Inc
Address	14 Brick Kiln Court
City, State, ZiP	Northampton, PA 18067

Truck

Hauler Name	MENDEZ #53
Plate No	AS758P

Project

Name	KB25 Housing Development Fund Corp./Phipps Plaza
Job	14-367
PO #	PO #108829
Address	325 East 25th Street
City, State, Zip	10010 Manhattan

Date and Time

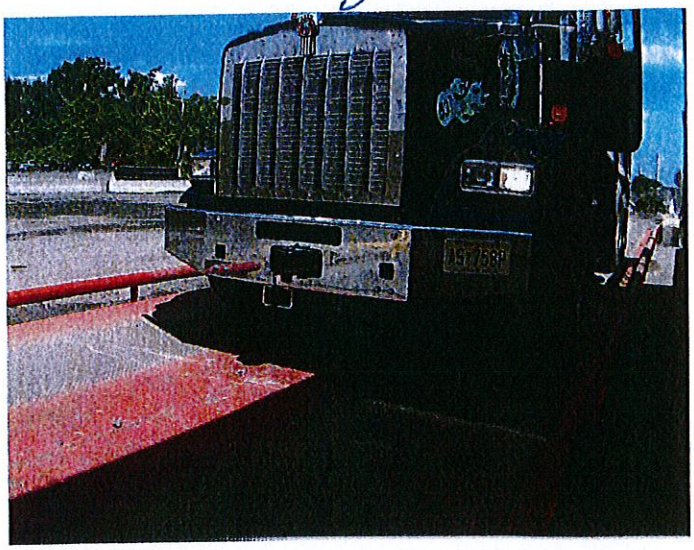
Gross	6/19/2015 3:09:23 PM
Tare	6/19/2015 3:01:20 PM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Surcharge - Reclassified as Mixed Material	88,120	28,820	59,300	29.65	0.00
Clean Fill	88,120	28,820	59,300	29.65	0.00
TOTAL					

Fill Zone: IX
Remarks: MANIFEST #56714

Driver Signature

Weighmaster Signature



Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 56714

Job/Project # 108829

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp Phipps Plaza South
902 Broadway, 13th Floor 325 East 25th Street
New York, NY 10010 Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	102914-0228	EST. 22 Tons
		Grid 3 (8-12')		$8120
		WC-3A, WC-3B		$800
				$1.65

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE John Danko on behalf of owner

PRINT NAME John Danko

DATE 6-19-15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME: Mendez

ADDRESS: 490 Union Ave Belleville

PHONE NO. ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AS 158 P	NJ	53		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon

DRIVER'S SIGNATURE

PRINT DRIVER'S NAME Newton E Lopez

DATE 6-19-15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME: PPark NJ, LLC

ADDRESS: 100 Planten Ave
Prospect Park, NJ 07508

PHONE NO. 973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE 6/19/15

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 56714

Job/Project # 108829

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp Phipps Plaza South
902 Broadway, 13th Floor 325 East 25th Street
New York, NY 10010 Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	102914-0228	EST. 22 Tons
		Grid 3 (8-12')		
		WC-3A, WC-3B		
		Verified by [illegible]		

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE John Danko on behalf of owner

PRINT NAME John Danko

DATE 6-19-15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME Meadco

ADDRESS 490 Union Ave Belleville

PHONE NO. ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AS 758P	NJ	53		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE [signature]

PRINT DRIVER'S NAME Marlon E Lopez

DATE 6-19-15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME PPark NJ, LLC

ADDRESS 100 Planten Ave
Prospect Park, NJ 07508

PHONE NO. 973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE

Environmental Waste Minimization Inc.
14 Brick Kiln Court • Northampton, PA 18067
Tel. (484) 275-6900 Fax (484) 275-6970
www.ewmi-info.com

DAILY RECORD

Project #: 108829 Date: 6-25-15 Day:
Customer: Monadnock Customer Contact: Joe Stila
Job Location: 325 East 25th st Manhattan, NY Customer Phone: 845-825-0133

NAMES	CODE	START	O.S. START	O.S. FINISH	FINISH	Total Hour
Trevor B	Pm	430	700	1400	1600	11.5
Subcontractor	**CODE**	**START**	**O.S. START**	**O.S. FINISH**	**FINISH**	**Total Hour**

QTY	MATERIALS / CONSUMABLES
1	PPE Level- (Circle One) Mod -D D C B

EQUIPMENT	QTY
T-187	1
Hp Laptop	1

EQUIPMENT	QTY

DISPOSAL /

JOB DESCRIPTION / REMARKS

- I arrived on site today at 645 and met with Joe(Mondanock) to discuss today's loads. He ordered 3x2 to Palmerton but we had 4 Trucks here when we arrived. I let Natasha(EWMI) know that we might do 8 loads today, but we would make that decision as soon as the Second truck was loaded.
- Load outs started at 710.
- When the second truck was almost loaded Joe mad the call to keep only 6 loads to Palmerton today.
- I notified Natasha and the last two trucks that they wouldn't have to come back for the second round.
- Our first round was completed at 805.
- Our final round of trucks arrived around 130. Just before they had arrived, Monadnock was receiving loads of clean fill for the Project. Thankfully the driver of the trucks were patient and allowed us to wait for our soil trucks and load them out. The load outs were Complete by 2.

Weather: Sunny Temperature: 85 °F

Customer Signature: Representative: Trevor Borger

Date: Date: 6-25-15

Original - Customer Copy

Total # of Loads:	6	Wet Surcharge Tonnage:	0.00
Total Tonnage Shipped:	184.47	Light Load Surcharge Tonnage:	0
Average Tons per Load:	30.745	Total Tonnage (corrected for light loads):	0.00

Load#	Date	transporter	Truck #	Facility	Time In	Time Out	Manifest	Tons	Grid
1	6/22/2015	Mendez	87	PPark			56717	33.93	3(8-12')
2	6/22/2015	Mendez	61	PPark			56720	29.76	3(8-12')
3	6/22/2015	Mendez	87	PPark			56721	29.78	3(8-12')
4	6/22/2015	Mendez	61	PPark			56722	30.36	3(8-12')
5	6/22/2015	Mendez	61	PPark			56718	31.44	3(8-12')
6	6/22/2015	Mendez	32	PPark			56719	29.20	3(8-12')
7									
8				Surcharge for mixed material- 123.83/tons					
9									

Weight Ticket

Ticket No. 46115
Issued On 06.22.2015 09:57 AM

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	Name	KB25 Housing Development Fund Corp,/Phipps Plaza
Name	Environmental Waste Minimization Inc.	Job	14-367
Address	14 Brick Kiln Court	PO #	PO #108829
		Address	325 East 25th Street
City, State, ZiP	Northampton, PA 18067	City, State, Zip	10010 Manhattan

Truck		Date and Time	
Hauler Name	MENDEZ TRUCKING	Gross	6/22/2015 9:57:03 AM
Plate No.	AN719Y	Tare	6/22/2015 9:16:03 AM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Surcharge - Reclassified as Mixed Material	96,700	28,840	67,860	33.93	0.00
Clean Fill	96,700	28,840	67,860	33.93	0.00
TOTAL					

Fill Zone: IX-S
Remarks: MANIFEST #56717

Driver Signature

Weighmaster Signature

915-B SPUH

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 56717

Job/Project # 108829

14.367

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp Phipps Plaza South
902 Broadway, 13th Floor 325 East 25th Street
New York, NY 10010 Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT

Rapid Response Inc.

24 HOUR EMERGENCY PHONE #

877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	102914-0228	EST. 22 Tons
		Grid 3 (8-12')		96.700
		WC-3A, WC-3B		7840.
				23.93

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME Michael Cook

DATE 6/22/15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME	ADDRESS	PHONE NO.
MENDEZ	490 Union av Belleville, NJ	( ) -

VEHICLE ID NO	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AN-7194	NJ.	87		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE Nelson Vera

PRINT DRIVER'S NAME NELSON VERA

DATE 06/22/15.

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME	ADDRESS	PHONE NO.
PPark NJ, LLC	100 Planten Ave Prospect Park, NJ 07508	973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME Matt Hunt

DATE 6/22/15

Weight Ticket

Ticket No. 46128
Issued On 06.22.2015 12:12 PM

PPark
100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer

Ref. No.	42
Name	Environmental Waste Minimization Inc.
Address	14 Brick Kiln Court
City, State, ZIP	Northampton, PA 18067

Project

Name	KB25 Housing Development Fund Corp,/Phipps Plaza
Job	14-367
PO #	PO #108829
Address	325 East 25th Street
City, State, Zip	10010 Manhattan

Truck

Hauler Name	MENDEZ
Plate No.	AP864P

Date and Time

Gross	6/22/2015 12:11:24 PM
Tare	6/22/2015 12:02:01 PM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Surcharge - Reclassified as Mixed Material	88,200	28,680	59,520	29.76	0.00
Clean Fill	88,200	28,680	59,520	29.76	0.00
TOTAL					

Fill Zone: IX
Remarks: MANIFEST #66720

Driver Signature

Weighmaster Signature

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 56720

Job/Project # 108829

1 of 1

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp Phipps Plaza South
902 Broadway, 13th Floor 325 East 25th Street
New York, NY 10010 Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	102914-0228	EST. 22 Tons
		Grid 3 (8-12')		88200
		WC-3A, WC-3B		18680.
				39.76

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME Michael Gaul

DATE 6/22/15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME	ADDRESS	PHONE NO.
Hauler #61	490 Union St	( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AB864P				6-22-15

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE DARIO OCHOA

PRINT DRIVER'S NAME DARIO OCHOA

DATE

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME	ADDRESS	PHONE NO.
PPark N.J. I I C	100 Planten Ave Prospect Park, NJ 07508	973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME

DATE 6/22/15

Weight Ticket

Ticket No. 46135
Issued On 06.22.2015 01:26 PM

PPark

100 Planten Ave.
Prospect Park, NJ 07508
973-947-4400 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	**Name**	KB25 Housing Development Fund Corp,/Phipps Plaza
Name	Environmental Waste Minimization Inc.	**Job**	14-367
Address	14 Brick Kiln Court	**PO #**	PO #108829
		Address	325 East 25th Street
City, State, ZiP	Northampton, PA 18067	**City, State, Zip**	10010 Manhattan

Truck		Date and Time	
Hauler Name	MENDEZ TRUCKING	**Gross**	6/22/2015 1:26:06 PM
Plate No.	AN719Y	**Tare**	6/22/2015 1:14:14 PM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Surcharge - Reclassified as Mixed Material	88,300	28,740	59,560	29.78	0.00
Clean Fill	88,300	28,740	59,560	29.78	0.00
TOTAL					

Fill Zone: IX-S
Remarks: MANIFEST #56721

Driver Signature

Weighmaster Signature

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 56721 #18367.

Job/Project # 108829

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp
902 Broadway, 13th Floor
New York, NY 10010

Phipps Plaza South
325 East 25th Street
Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT

Rapid Response Inc.

24 HOUR EMERGENCY PHONE #

877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	102914-0228	EST. 22 Tons
		Grid 3 (8-12')		08300
		WC-3A, WC-3B		28.40
				28.18

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME Michael Geal

DATE 6/22/15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME	ADDRESS	PHONE NO.
MENDEZ	490 Union Ave Belleville NJ.	( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AN7194	NJ.	87		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE Nelson Vera

PRINT DRIVER'S NAME NELSON VERA

DATE 06/22/15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME	ADDRESS	PHONE NO.
PPark NJ, LLC	100 Planten Ave Prospect Park, NJ 07508	973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME Matt Hurst

DATE 6/22/15

Weight Ticket

Ticket No. 46145
Issued On 06.22.2015 02:54 PM

PPark
100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	Name	KB25 Housing Development Fund Corp,/Phipps Plaza
Name	Environmental Waste Minimization Inc.	Job	14-367
Address	14 Brick Kiln Court	PO #	PO #108829
		Address	325 East 25th Street
City, State, ZiP	Northampton, PA 18067	City, State, Zip	10010 Manhattan

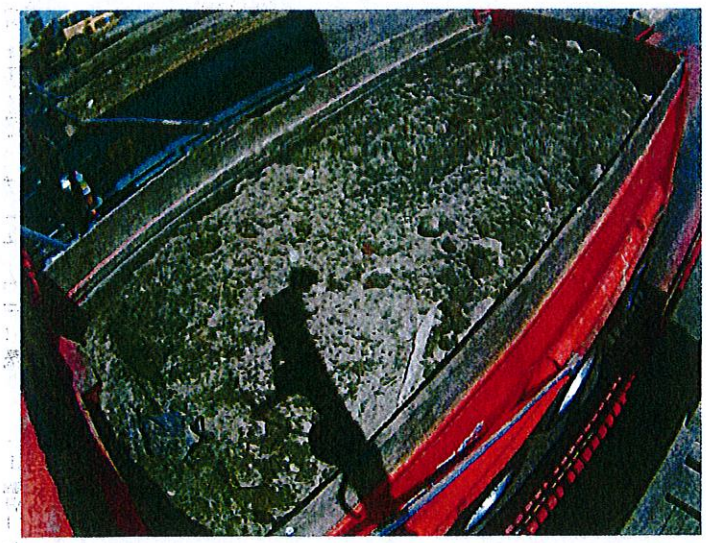
Truck		Date and Time	
Hauler Name	MENDEZ	Gross	6/22/2015 2:54:50 PM
Plate No.	AP864P	Tare	6/22/2015 2:50:44 PM

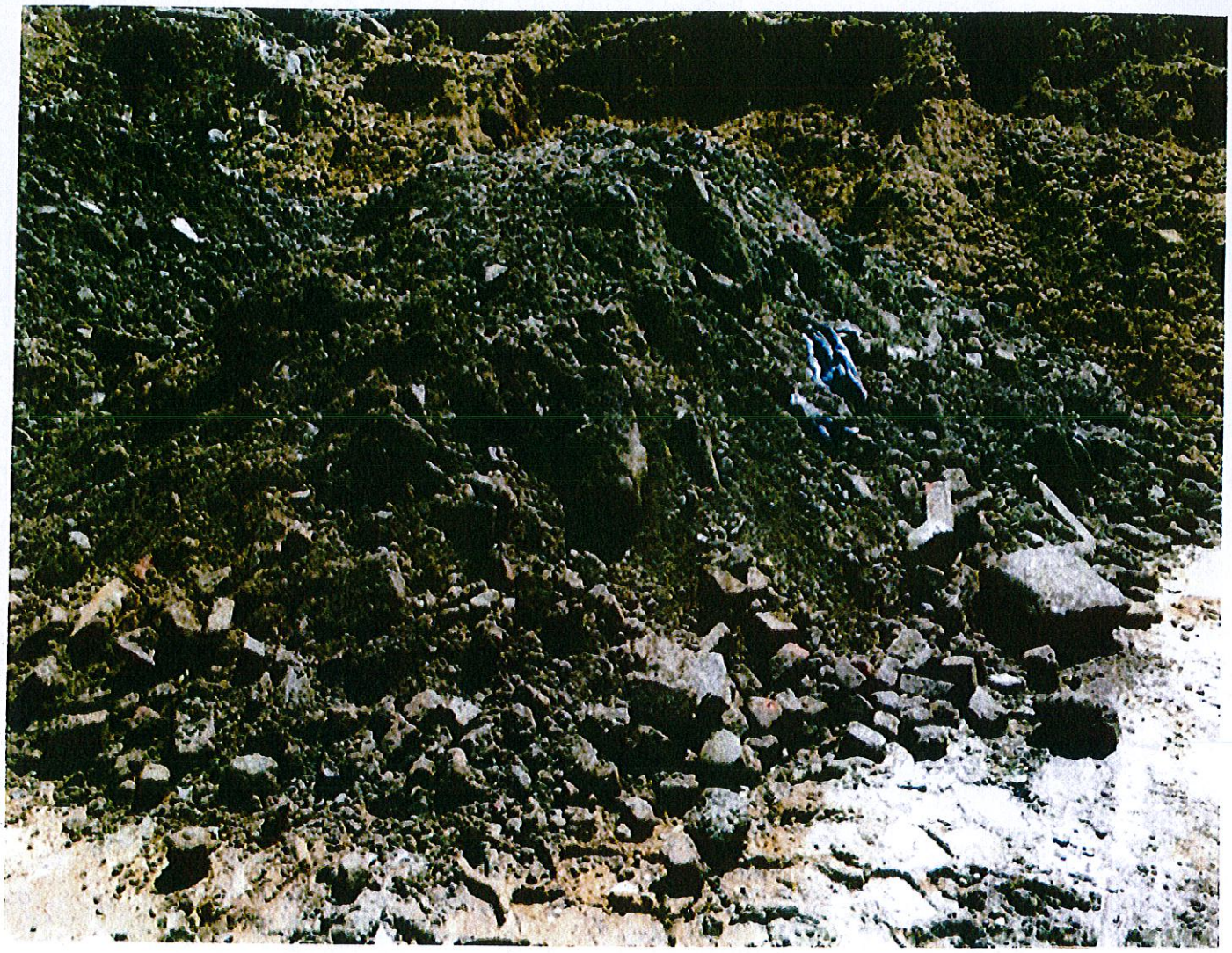
Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Surcharge - Reclassified as Mixed Material	89,300	28,580	60,720	30.36	0.00
Clean Fill	89,300	28,580	60,720	30.36	0.00
TOTAL					

Fill Zone: IX S
Remarks: MANIFEST #50722 - 24% MOISTURE

Driver Signature

Weighmaster Signature





Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 56722

Job/Project # 108829 #14367

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp
902 Broadway, 13th Floor
New York, NY 10010

Phipps Plaza South
325 East 25th Street
Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT

Rapid Response Inc.

24 HOUR EMERGENCY PHONE #

877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	102914-0228	EST. 22 Tons
		Grid 3 (8-12')		89300
		WC-3A, WC-3B		80.
				30.36

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME Michael Gad

DATE 6/22/15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME	ADDRESS	PHONE NO.
Lopez #61	490 Wisconsin	( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AF864P				6-22-15

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE

PRINT DRIVER'S NAME

DATE

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME	ADDRESS	PHONE NO.
PPark N.I, LLC	100 Planten Ave Prospect Park, NJ 07508	973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME Matt Hunt

DATE 6/22/15

Weight Ticket

Ticket No. 46113
Issued On 06.22.2015 09:13 AM

PPark

100 Planten Ave.
Prospect Park, NJ 07508
073 017 1188 (Phono)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	**Name**	KB25 Housing Development Fund Corp,/Phipps Plaza
Name	Environmental Waste Minimization Inc.	**Job**	14-367
Address	14 Brick Kiln Court	**PO #**	PO #108829
		Address	325 East 25th Street
City, State, ZiP	Northampton, PA 18067	**City, State, Zip**	10010 Manhattan

Truck		Date and Time	
Hauler Name	MENDEZ	**Gross**	6/22/2015 9:13:38 AM
Plate No.	AP864P	**Tare**	6/22/2015 9:04:51 AM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Clean Fill	91,660	28,780	62,880	31.44	0.00
TOTAL					

Fill Zone: IX
Remarks: MANIFEST #56718

Driver Signature

Weighmaster Signature

Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 56718

Job/Project # 108829

#14-367

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp Phipps Plaza South
902 Broadway, 13th Floor 325 East 25th Street
New York, NY 10010 Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT
Rapid Response Inc.

24 HOUR EMERGENCY PHONE #
877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	102914-0228	EST. 22 Tons
		Grid 3 (8-12')		91660
		WC-3A, WC-3B	-	28780
				31.44

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME Michael Graf

DATE 6/22/15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME	ADDRESS	PHONE NO.
Mendez #61	990 union sv	( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AP864P				

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE DARIO OCHOA

PRINT DRIVER'S NAME DARIO OCHOA

DATE

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME	ADDRESS	PHONE NO.
PPark N.J, LLC	100 Planten Ave Prospect Park, NJ 07508	973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME Matt Hurst

DATE 6/22/15

Weight Ticket

Ticket No. 46117
Issued On 06.22.2015 09:27 AM

PPark
100 Planten Ave.
Prospect Park, NJ 07508
973-947-4488 (Phone)
973-542-2218 (Fax)

Customer		Project	
Ref. No.	42	Name	KB25 Housing Development Fund Corp./Phipps Plaza
Name	Environmental Waste Minimization Inc.	Job	14-367
Address	14 Brick Kiln Court	PO #	PO #108829
		Address	325 East 25th Street
City, State, ZiP	Northampton, PA 18067	City, State, Zip	10010 Manhattan

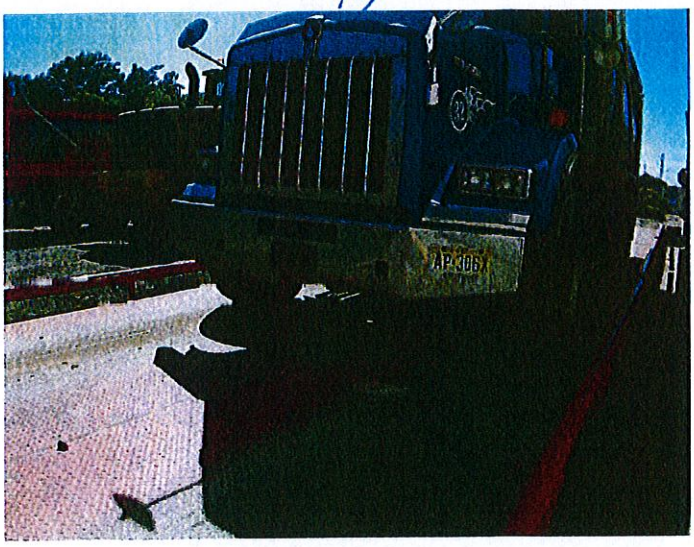
Truck		Date and Time	
Hauler Name	MENDEZ #32	Gross	6/22/2015 9:26:42 AM
Plate No.	AP306X	Tare	6/22/2015 9:10:44 AM

Material	GROSS	TARE	NET (lbs)	NET (tons)	Unit Price (tons)
Clean Fill	87,760	29,360	58,400	29.20	0.00
TOTAL					

Fill Zone: IX
Remarks: MANIFEST #56719

Driver Signature

Weighmaster Signature



Non Hazardous Manifest/Bill Of Lading

All Correspondence and Invoices to:
Environmental Waste Minimization, Inc.
& Rapid Response, Inc.
14 Brick Kiln Court
Northampton, PA 18067
Phone 484-275-6900
Fax 484-275-6970

Document # 56719

Job/Project # 108829

#14-367

THIS SECTION TO BE COMPLETED BY GENERATOR:

COMPANY NAME/ADDRESS

KB25 Housing Development Fund Corp — Phipps Plaza South
902 Broadway, 13th Floor — 325 East 25th Street
New York, NY 10010 — Manhattan, NY 10010

IN CASE OF EMERGENCY OR SPILL CONTACT

Rapid Response Inc.

24 HOUR EMERGENCY PHONE #

877-460-1038

QUANTITY	SIZE/TYPE	DESCRIPTION	APPROVAL CODE	WEIGHT/VOLUME
XX1	DT	Residential Soil	102914-0228	EST. 22 Tons
		Grid 3 (8-12')		8760
		WC-3A, WC-3B		9360
				9.20.

I Hereby certify that the above named waste(s) are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

GENERATOR'S SIGNATURE

PRINT NAME Michael Carl

DATE 6/22/15

THIS SECTION TO BE COMPLETED BY HAULER / TRANSPORTER:

COMPANY NAME: MENDEZ TRUCKING BELLVILLE NJ.

ADDRESS

PHONE NO. ( ) -

VEHICLE I.D. NO.	STATE	BOX NUMBER-IN	BOX NUMBER-OUT	COMMENTS
AP 306X	NJ	32		

I Hereby certify that the above described waste(s) were accepted for transportation at the producer's site for delivery to the waste facility. Both as listed hereupon.

DRIVER'S SIGNATURE

PRINT DRIVER'S NAME Eduardo S. M.

DATE 6-22-15

THIS SECTION TO BE COMPLETED BY RECEIVER AT DISPOSAL FACILITY: (ONCE SIGNED, A COPY MUST BE FORWARDED TO EWMI AND GENERATOR)

FACILITY NAME: PPark NJ, LLC

ADDRESS: 100 Planten Ave
Prospect Park, NJ 07508

PHONE NO. 973-947-4488

COMMENTS

I Hereby certify that the above described wastes were delivered to this Facility, that the Facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

PRINT NAME Matt Hunt

DATE 6/22/15

Total # of Loads:	6	Wet Surcharge Tonnage:	0.00
Total Tonnage Shipped:	201.69	Light Load Surcharge Tonnage:	0
Average Tons per Load:	33.615	Total Tonnage (corrected for light loads):	0.00

Load#	Date	transporter	Truck #	Facility	Time In	Time Out	Manifest	Tons	Grid
1	6/25/2015	Mendez	31	Palmerton	700	720	241625	31.57	2(0-8')
2	6/25/2015	Mendez	89	Palmerton	700	735	241626	32.78	2(0-8')
3	6/25/2015	Mendez	36	Palmerton	700	750	241627	34.17	2(0-8')
4	6/25/2015	Mendez	30	Palmerton	700	805	241628	32.99	2(0-8')
5	6/25/2015	Mendez	36	Palmerton	1315	1330	241629	35.70	2(0-8')
6	6/25/2015	Mendez	31	Palmerton	1335	1350	241630	34.48	2(0-8')
7									
8									
9									

Transportation Charter / Manifest

Generator:

GENERATOR #825 HOUSING DEVELOPMENT FUND CORP.
902 BROADWAY, 13 FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25 TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7842

1

Authorized By (print) Michael Gaul

Authorized By (title) Agent of Phipps

Authorized By (sig)

TIME: 7:05 DATE: 6/25/15

Transporter:

Mendez
#31

2

Driven By MARCELO RIVERO

Truck/Trailer Plate: KFG503, X

Driver Signature

Manifest Number: 241625

IMPACT

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL
Grid 2 (WX-2A, WX-2B)
(0-8')

TARE WEIGHT MUST BE INCLUDED
NET WEIGHT 63140 GROSS WEIGHT 21 [illegible]
NET TONS 31.57 TARE WEIGHT 31 [illegible]
TICKET NUMBER 1040153

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Faith

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time 6-25-15 10:43 [illegible]

By signing this manifest the driver accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Transportation Charter / Manifest

Generator:

GENERATOR: KB25 HOUSING DEVELOPMENT FUND [illegible]
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) [illegible]

Authorized By (title) [illegible]

Authorized By (sig)

TIME:_____ DATE:_____

Transporter:

Mendez
#31

2

Driven By [illegible]

Truck/Trailer Plate [illegible]

Driver Signature

TIME:_____ DATE:_____

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL
(0-8')

Manifest Number 241625

VERIFIED BY [illegible]

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT _____

NET TONS _____ TARE WEIGHT _____

TICKET NUMBER _____

Received By (print)

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) _

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071

Manifest Number	Ticket Number
241,625	1040657 40657

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):

Phipps Plaza South
325 East 25th St.
New York NY 10010

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

PA REG FILL

NOTES

WEIGHT

GROSS/TARE/NET (lbs)

89640 lb
26500 lb
63140 lb

NET (Tons)

31.570 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator

CIS

Date and Time In and Out	Tare Time	Gross Time
6/25/15	10:41 am	10:42 am

Scale Operator Notes

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

MENDEZ

Driver Name and Signature (Conditional):

Truck Plate Number

AP305X

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: KB25 HOUSING DEVELOPMENT FUND CORP
902 BROADWAY, 13 FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST
NEW YORK, NY 10010
BLOCK 931, LOT 17

P.S. # 754

1

Authorized By (print) Michael Gad

Authorized By (title) Agent of Phipps

Authorized By (sig)

Time 7:19 Date 6/25/15

Transporter:

Mendez
89

2

Driven By MARCEL MENDO

Truck/Trailer Plate 89 AS 354 M

Driver Signature

7:30 6-25-15

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL
Grid 2 (WC-2A, WC-2B)
(0-8')

Manifest Number 241626

IMPACT

TARE WEIGHT MUST BE INCLUDED
NET WEIGHT 16530 GROSS WEIGHT 39360
NET LOSS 3278 TARE WEIGHT 23130
TICKET NUMBER 41401656

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Faith

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MACUNGIE CREEK ROAD
PALMERTON, PA 18071

3

Date/Time 6-25-15 1040hrs

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel

Driven By (sig)

Transportation Charter / Manifest

Generator:

GENERATOR: KB25 HOUSING DEVELOPMENT FUND
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print)

Authorized By (title)

Authorized By (sig)

Transporter:

Mendez
89

2

TIME:_____ DATE:_____

Driven By Marcel Mino

Truck/Trailer Plate 84 AS334M

Driver Signature

TIME: 7:30 DATE: 6-24-25

Manifest Number 241626

IMPACT ENVIRONMENTAL

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL
Grid 2 (WC-2A, WC-2C)
(0-5')

Verified By

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT _____

NET TONS _____ TARE WEIGHT _____

TICKET NUMBER _____

Received By (print)

Date/Time

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071

Manifest Number: 241,626

Ticket Number: 1040656 40656

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):

Phipps Plaza South
325 East 25th St.
New York NY 10010

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

PA REG FILL

NOTES:

WEIGHT

GROSS/TARE/NET (lbs):

95260 lb
29700 lb
65560 lb

NET (Tons):

32.780 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
6/25/15	10:39 am	10:40 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

MENDEZ

Driver Name and Signature (conditional):

Truck Plate Number:

AS354M

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: RBS Holdings Development Fund LLC
902 Broadway, 13th Floor
New York, NY 10010

Site: Phipps Plaza South
325 East 25th St.
New York, NY 10010
Block 931, Lot 17

Job # 7542

1

Authorized By (print) Michael Gwl

Authorized By (title) Agent of Phipps

Authorized By (sig)

Time 7:35 Date 6/25/15

Transporter:

Mendez

#36

2

Driven By Santos Arroyo

Truck/Trailer Plate AN893J

Driver Signature

Time _____ Date _____

Material/Note(s):

Material Meeting PA Regulated Fill

Grid 2 (WC-2A, WC-2B)

(0-8')

Manifest Number 241627

IMPACT

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 68340 GROSS WEIGHT 97760

NET TONS 34.17 TARE WEIGHT 29420

TICKET NUMBER 1040654

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Marissa

Receiving Facility:

Former New Jersey Zinc-West Plant
1120 Mauch Chunk Road
Palmerton, PA 18071

3

Date/Time 6/25/15 10:32am

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel

Driven By (sig)

Transportation Charter / Manifest

Generator:

GENERATOR: KB25 HOUSING DEVELOPMENT FUND C[illegible]P.
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print)

Authorized By (title)

Authorized By (sig)

TIME:_____ DATE:_____

Transporter:

Mendez

#36

2

Driven By Santos Amaya

Truck/Trailer Plate AN893J

Driver Signature

TIME:_____ DATE:_____

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL)

(0-8')

Verified By

Manifest Number 241627

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT _____

NET TONS _____ TARE WEIGHT _____

TICKET NUMBER _____

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071

Manifest Number: 241,627

Ticket Number: 1040654 40654

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):

Phipps Plaza South
325 East 25th St.
New York NY 10010

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

PA REG FILL

NOTES:

WEIGHT

GROSS/TARE/NET (lbs)

97760 lb
29420 lb
68340 lb

NET (Tons)

34.170 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out	Tare Time	Gross Time
6/25/15	10:32 am	10:32 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

MENDEZ

Driver Name and Signature (conditional):

Truck Plate Number:

AN843J

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: KBS II [illegible] DEVELOPMENT FUND [illegible]
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST
NEW YORK, NY 10010
BLOCK 931 LOT 17

[illegible] # 7842

1

Authorized By (print) Michael Gail

Authorized By (title) Agent of Phipps

Authorized By (sig) [signature]

Time 7:52 Date 6/25/15

Transporter:

Mendez
#30

2

Driven By Mendez Trucking

Truck/Trailer Plate #30 AP 304X

Driver Signature [signature]

Time _____ Date _____

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL
Grid 2 (WC-2A, WC-2B)
(0-8')

Manifest Number 241628

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED
NET WEIGHT 65180 GROSS WEIGHT 92480
NET TONS 32.99 TARE WEIGHT 26500
TICKET NUMBER 10406061

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) mansa

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time 06/25/15 11:04am

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel

Driven By (sig) [signature]

Transportation Charter / Manifest

Generator:

GENERATOR: K525 HOUSING DEVELOPMENT FUND C[illegible].
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print)

Authorized By (title)

Authorized By (sig)

TIME:_____ DATE:_____

Transporter:

Mendez
#30

2

Driven By Mendez Trucking

Truck/Trailer Plate #30 AP 304 X

Driver Signature [signature]

TIME:_____ DATE:_____

Manifest Number 241628

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL
Grid 2 (WC-2A, LC-2A)
(0-8')

Verified By [signature]

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT _____

NET TONS _____ TARE WEIGHT _____

TICKET NUMBER _____

Received By (print)

Date/Time

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071

Manifest Number: ~~241,628~~

Ticket Number: 40661 ~~1040661~~

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):

Phipps Plaza South
325 East 25th St.
New York NY 10010

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

PA REG FILL

NOTES:

WEIGHT

GROSS/TARE/NET (lbs):

92480 lb
26500 lb
65980 lb

NET (Tons):

32.990 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
~~6/25/15~~	~~11:02 am~~	~~11:03 am~~

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

MENDEZ

Driver Name and Signature (conditional):

José Gordon Pena

Truck Plate Number:

AP304X

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: KB25 HOUSING DEVELOPMENT FUND
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST
NEW YORK, NY 10010
S/B/L 931 L 17

JOB # 7542

1

Authorized By (print) Michael Gaul

Authorized By (title) Agent of Phipps

Authorized By (sig)

TIME 13:07 DATE 6/25/15

Transporter:

Mendez
#36

2

Driven By Santos Amaya

Truck/Trailer Plate AN843J

Driver Signature

TIME _____ DATE _____

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL
Grid 2 (WC-2A, WC-2B)
(0-8')

Manifest Number 241629

IMPACT

TARE WEIGHT MUST BE INCLUDED
NET WEIGHT 21400 GROSS WEIGHT 100870
NET TONS 39.70 TARE WEIGHT 39420
TICKET NUMBER 24075

Project under the management of Impact Environmental. In case of emergency call 631-269 8800 or 516-805-8900

Received By (print) Faith

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Date/Time 6-25-15 3:57pm

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel

Driven By (sig)

Transportation Charter / Manifest

Generator:

GENERATOR: K625 HOUSING DEVELOPMENT FUND C[illegible].
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) Michael Cowl

Authorized By (title) Agent of Phipps

Authorized By (sig) [signature]

TIME:_____ DATE:_____

Transporter:

Mendez

FI 36

2

Driven By Santos Amaya

Truck/Trailer Plate AN843J

Driver Signature [signature]

TIME:_____ DATE:_____

Manifest Number 241629

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL
CAT 2 (USE SAME USE SOIL)
(0-8')

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT _____

NET TONS _____ TARE WEIGHT _____

TICKET NUMBER _____

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Verified By [signature]

Received By (print)

Date/Time

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) [signature]

Phase III Environmental, LLC

Former NJ Zinc Facility
1120 Mauch Chunk Road
Palmerton, Pennsylvania 18071

Manifest Number 241,629

Ticket Number 1040747 40747

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address):

Phipps Plaza South
325 East 25th St.
New York NY 10010

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material

PA REG FILL

NOTES

WEIGHT

GROSS/TARE/NET (lbs)

100820 lb
29420 lb
71400 lb

NET (Tons)

35.700 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator

CIS

Date and Time In and Out	Tare Time	Gross Time
6/25/15	3:56 pm	3:56 pm

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

MENDEZ

Driver Name and Signature (conditional)

Truck Plate Number

AN843J

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: KB25 HOUSING DEVELOPMENT FUND CORP
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 1542

1

Authorized By (print) Michael Gaw

Authorized By (title) Agent of Phipps

Authorized By (sig) [signature]

TIME: _____ DATE: 6/25/15

Transporter:

Mendez
#31

2

Driven By MARCELO RIVERO

Truck/Trailer Plate DP 306X

Driver Signature [signature]

TIME: _____ DATE: _____

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL
Grid 2, (WC-2A, WC-2B)
(0-8')

Manifest Number 241630

IMPACT

TARE WEIGHT MUST BE INCLUDED
NET WEIGHT 10896 GROSS WEIGHT 23460
NET TONS 34.03 TARE WEIGHT 23560
TICKET NUMBER 241631

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

Received By (print) Fonty

Date/Time 6-25-15 4:20pm

By signing this manifest the Hauler accepts that it is solely responsible for the proper Material that is being transported as well as the methods and means for its travel

Driven By (sig) [signature]

Transportation Charter / Manifest

Generator:

GENERATOR: KB25 HOUSING DEVELOPMENT FUND C
902 BROADWAY, 13TH FLOOR
NEW YORK, NY 10010

SITE: PHIPPS PLAZA SOUTH
325 EAST 25TH ST.
NEW YORK, NY 10010
BLOCK 931, LOT 17

JOB # 7542

1

Authorized By (print) M Ahmed (Gen)

Authorized By (title) Asst at Phipps

Authorized By (sig) [signature] 6/25/15

TIME:_____ DATE:_____

Transporter:

Mendez
#31

2

Driven By Marcelo Pineda

Truck/Trailer Plate 9P305X

Driver Signature [signature]

TIME:_____ DATE:_____

Manifest Number 241630

Material/Note(s):

MATERIAL MEETING PA REGULATED FILL
Grid 2, (WC-2A, WC-2B)
(0-8')

Verified By [signature]

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT _____

NET TONS _____ TARE WEIGHT _____

TICKET NUMBER _____

Received By (print)

Date/Time

Receiving Facility:

FORMER NEW JERSEY ZINC-WEST PLANT
1120 MAUCH CHUNK ROAD
PALMERTON, PA 18071

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

Former NJ Zinc Facility
1120 Mauch Chunk Road
Palmerton, Pennsylvania 18071

Manifest Number: 241,630

Ticket Number: 1040754 40754

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

7542
KB25 Housing Development Fund
902 Broadway 13th Floor
New York, NY 10010

Source of Material (Description and Address)

Phipps Plaza South
325 East 25th St.
New York NY 10010

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material
PA REG FILL

NOTES

WEIGHT

GROSS/TARE/NET (lbs)

95460 lb
26500 lb
68960 lb

NET (Tons)

34.480 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

Date and Time In and Out:	Tare Time	Gross Time
6/25/15	4:19 pm	4:20 pm

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

MENDEZ

Driver Name and Signature (conditional)

Truck Plate Number:

AP305X

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

APPENDIX I

BACKFILL MATERIAL LABORATORY REPORTS

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

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: 508-822-9288

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: 5/16/15

ALPHA Job #: L1508041

Client Information

Client: PW Grosser Consulting
Address: 630 Johnson Ave
Bohemia NY 11716
Phone: 631-589-6353
Fax:
Email: Thomas.Hofweg@grosser.com

Project Information

Project Name: New York Recycling LLC.
Project Location: 475 Exterior St. Bronx, NY
Project #: PHG-1301
(Use Project name as Project #): ☒
Project Manager: Tom Helin
ALPHAQuote #:

Turn-Around Time

Standard ☐ Due Date: 48 hrs
Rush (only if pre approved) ☒ # of Days: 5/19/15

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	VOC	SVOC	TAL Metals	PCB Pest	Total Bottle	Sample Specific Comments
L1508041-01	SP001	5/15/15	8:45	S	RM	X	X	X	X	5	

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									
Preservative									

Relinquished By:	Date/Time	Received By:	Date/Time
	5-15-15 10:00	AAL	5-15-15 10:00
AAL	5-15-15 1900		5-15-15 1900
	5/16/15 0105		5/16/15 0105

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: 508-822-9288

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: 5/16/15

ALPHA Job #: L1507234

Client Information

Client: PW Grosser Consulting
Address: 630 Johnson Ave
Bohemia NY 11716
Phone: 631-589-6353
Fax:
Email: ThomasM@pwgrosser.com

Project Information

Project Name: New York Recycling LLC.
Project Location: 475 Exterior St. Bronx, NY
Project #: PHG-1301
(Use Project name as Project #): X
Project Manager: Tom Melia
ALPHAQuote #:

Turn-Around Time

Standard ☐ Due Date: 48 hrs
Rush (only if pre approved) X # of Days: 5/19/15

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

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:

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	VOC	SVOC	TAL Metals	PCB/Pest	Sample Specific Comments	Total Bottle
1070[illegible]-01	SP001	5/15/15	8:45	S	RM	X	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
	5-15-15 10:00	AAL	5-15-15 10:00
AAL	5-15-15 1900		5-15-15 1900
	5/16/15 0805		

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)

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: 5/26/15

ALPHA Job #: L1511499

Client Information

Client: PW Grosser Consulting
Address: 630 Johnson Ave Bohemia NY, 11716
Phone: 631-589-6353
Fax:
Email: Thomas.M@pwgrosser.com

Project Information

Project Name: 31-40 123rd St
Project Location: Flushing, NY
Project #: PHC-1301
(Use Project name as Project #) ☐
Project Manager: Tom Meiler
ALPHAQuote #:

Turn-Around Time

Standard ☐ Due Date: Thurs, May 28
Rush (only if pre approved) ☐ # of Days: 48

Deliverables

☐ NJ Full / Reduced
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☐ Same as Client Info
PO #

Regulatory Requirement

☐ SRS Residential/Non Residential
☐ SRS Impact to Groundwater
☐ NJ Ground Water Quality Standards
☐ NJ IGW SPLP Leachate Criteria
☐ Other

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.

ANALYSIS

VOC | SVOC | TAL Metals | PCBs/Pest

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC	SVOC	TAL Metals	PCBs/Pest	Sample Specific Comments
11499 -01	WC001	5/26/15	13:50	S	AM	X	X	X	X	

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
	5/26/15 16:00	AAH/Tom Meiler	5/26/15 16:10
AAH/Tom Meiler	5/26/15 1820		5-26-15 1820
	5/26/15 23:45		5/26/15 23:45

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)

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: 6/10/15

ALPHA Job #: L1512935

Client Information

Client: PJ Grosser Consulting
Address: 630 Johnson Ave
Bohemia NY 11716
Phone: 631-589-6353
Fax:
Email: ThomasM@PJGrosser.com

Project Information

Project Name: Durante / Phipps Plaza
Project Location:
Project #: PHC-1301
(Use Project name as Project #): X
Project Manager: Tom Melia
ALPHAQuote #:

Turn-Around Time

Standard ☐ Due Date: 6/12/15
Rush (only if pre approved) X # of Days: 2

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	VOC (8260)	SVOC (8270)	PCB / Herbicides	TAL Metals					Total # Bottles	Sample Specific Comments
12935-01	WC001	6/10/15	11:00	S	RM	X	X	X	X						

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									
Preservative									

Relinquished By:	Date/Time	Received By:	Date/Time
PJGC	6/10/15 -> 13:00	AAL	6-10-15 1300
	6-10-15 1830	Tom Tober /	6-10-15 1830
Tom Tober /	6-10-15 2215	AAL	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: 01-25 HC (rev. 30-Sept-2013)

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.

CHAIN OF CUSTODY

PAGE_____ OF _____

ALPHA ANALYTICAL

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Date Rec'd in Lab: 6/22/15

ALPHA Job #: L1514055

Client Information

Client: PW Grosser Consulting
Address: 630 Johnson Ave
Bohemia NY
Phone: 516-315-6002
Fax:
Email: thomasm@pwgrosser.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: PHG B01
Project Location: 325 E25th St
Project #: PHG B01
Project Manager: Thomas Melia
ALPHA Quote #:

Turn-Around Time

☐ Standard ☐ RUSH *(only confirmed if pre-approved!)*

Date Due: ASAP Time:

Report Information - Data Deliverables

☐ FAX ☐ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	*Criteria*

Other Project Specific Requirements/Comments/Detection Limits:

SAMPLE HANDLING
*Filtration*______
☐ Done
☐ Not needed
☐ 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	ANALYSIS: VOC	SVOC	Metals	PCBs	Pesticides	Sample Specific Comments	TOTAL # BOTTLES
14055_01	VC003	6/22	15:28	Soil	MG	✓	✓	✓	✓	✓		

Container Type	
Preservative	

Relinquished By:	Date/Time	Received By:	Date/Time
Michael Coul	16:00 6/22/15		6/22/15 16:00
	6/22/15 1820	Tom Tobin	6-22-15 1820
Tom Tobin	6/23/15 0315		6/23/15 0315

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.

FORM NO: 01-01 (rev. 14-OCT-07)

APPENDIX J

VAPOR BARRIER SPECIFICATIONS

BITUTHENE® SYSTEM 4000

Self-adhesive HDPE waterproofing membrane with super tacky compound for use with patented, water-based Bituthene® System 4000 Surface Conditioner

Description

Bituthene® System 4000 Waterproofing Membrane is a 1.5 mm (1⁄16 in.) flexible, pre-formed membrane which combines a high performance, cross laminated, HDPE carrier film with a unique, super tacky, self-adhesive rubberized asphalt compound.

Bituthene® System 4000 Surface Conditioner is a water-based, latex surface treatment which imparts an aggressive, high tack finish to the treated substrate. It is specifically formulated to bind site dust and concrete efflorescence, thereby providing a suitable surface for the Bituthene® System 4000 Waterproofing Membrane.

Conveniently packaged in each roll of membrane, Bituthene® System 4000 Surface Conditioner promotes good initial adhesion and, more importantly, excellent permanent adhesion of the Bituthene® System 4000 Waterproofing Membrane. The VOC (Volatile Organic Compound) content of this product is 100 g/L.

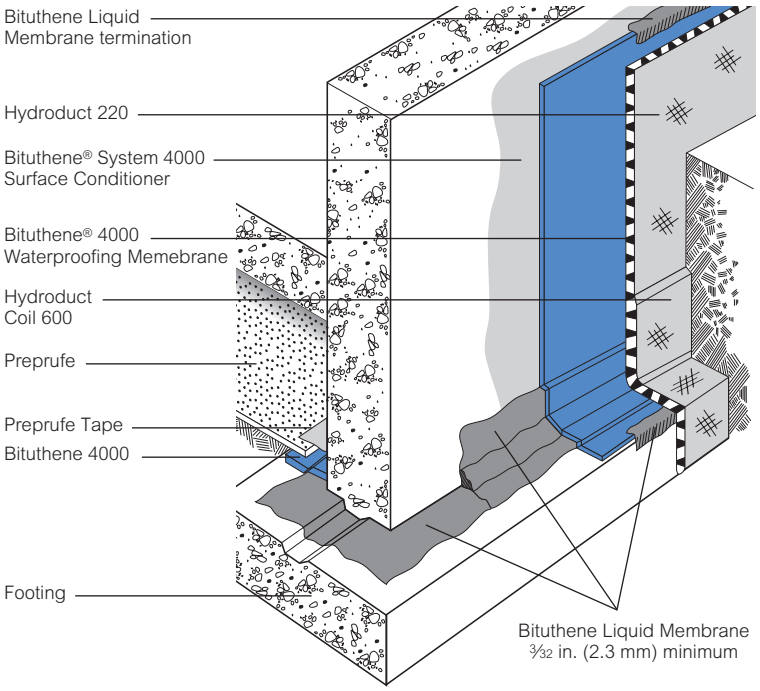
Architectural and Industrial Maintenance Regulations limit the VOC content in products classified as Architectural Coatings. Refer to Technical Letters at graceconstruction.com for most current list of allowable limits.

Advantages

- **Excellent adhesion**—special adhesive compound engineered to work with high tack System 4000 Surface Conditioner
- **Cold applied**—simple application to substrates, especially at low temperatures
- **Reduced inventory and handling costs**—System 4000 Surface Conditioner is included with each roll of membrane
- **Wide application temperature range**—excellent bond to self and substrate from 25°F (-4°C) and above

Product Advantages

- Excellent adhesion
- Cold applied
- Reduced inventory and handling costs
- Wide application temperature range
- Overlap security
- Cross laminated, high density polyethylene carrier film
- Flexible
- Ripcord®



Drawings are for illustration purposes only.
Please refer to graceconstruction.com for specific application details.

- **Overlap security**—minimizes margin for error under site conditions
- **Cross laminated, high density polyethylene carrier film**—provides high tear strength, puncture and impact resistance
- **Flexible**—accommodates minor structural movements and will bridge shrinkage cracks
- **Ripcord®**—this split release on demand feature allows the splitting of the release paper into two (2) pieces for ease of installation in detailed areas

Use

Bituthene® membrane is ideal for waterproofing concrete, masonry and wood surfaces where in-service temperatures will not exceed 135°F (57°C). It can be applied to foundation walls, tunnels, earth sheltered structures and split slab construction, both above and below grade. (For above grade applications, see *Above Grade Waterproofing Bituthene® System 4000*.)

Bituthene® waterproofing membrane is 1/16 in. (1.5 mm) thick, 3 ft (0.9 m) wide and 66.7 ft (20 m) long and is supplied in rolls. It is unrolled sticky side down onto concrete slabs or applied onto vertical concrete faces primed with Bituthene® System 4000 Surface Conditioner. Continuity is achieved by overlapping a minimum 2 in. (50 mm) and firmly rolling the joint.

Bituthene® membrane is extremely flexible. It is capable of bridging shrinkage cracks in the concrete and will accommodate minor differential movement throughout the service life of the structure.

Application Procedures

Safety, Storage and Handling Information

Bituthene® products must be handled properly. Vapors from solvent-based primers and mastic are harmful and flammable.

For these products, the best available information on safe handling, storage, personal protection, health and environmental considerations has been gathered. Material Safety Data Sheets (MSDS) are available at graceconstruction.com and users should acquaint themselves with this information. Carefully read detailed precaution statements on product labels and the MSDS before use.

Surface Preparation

Surfaces should be structurally sound and free of voids, spalled areas, loose aggregate and sharp protrusions. Remove contaminants such as grease, oil and wax from exposed surfaces. Remove dust, dirt, loose stone and debris. Concrete must be properly dried (minimum 7 days for normal structural concrete and 14 days for lightweight structural concrete).

If time is critical, Bituthene® Primer B2 or Bituthene® Primer B2 LVC may be used to allow priming and installation of membrane on damp surfaces or green concrete. Priming may begin in this case as soon as the concrete will maintain structural integrity. Use form release agents which will not transfer to the concrete. Remove forms as soon as possible from below horizontal slabs to prevent entrapment of excess moisture. Excess moisture may lead to blistering of the membrane. Cure concrete with clear, resin-based curing compounds which do not contain oil, wax or pigment. Except with Bituthene® Primer B2 or Bituthene® Primer B2 LVC, allow concrete to thoroughly dry following rain. Do not apply any products to frozen concrete.

Repair defects such as spalled or poorly consolidated areas. Remove sharp protrusions and form match lines. On masonry surfaces, apply a parge coat to rough concrete block and brick walls or trowel cut mortar joints flush to the face of the concrete blocks.

Temperature

- Apply Bituthene® System 4000 Membrane and Conditioner only in dry weather and when air and surface temperatures are 25°F (-4°C) or above.
- Apply Bituthene® Primer B2 or Bituthene® Primer B2 LVC in dry weather above 25°F (-4°C). (See separate product information sheet.)

Conditioning

Bituthene® System 4000 Surface Conditioner is ready to use and can be applied by spray or roller. For best results, use a pump-type air sprayer with fan tip nozzle, like the Bituthene® System 4000 Surface Conditioner Sprayer, to apply the surface conditioner.

Apply Bituthene® System 4000 Surface Conditioner to clean, dry, frost-free surfaces at a coverage rate of 300 ft^2/gal (7.4 m^2/L). Coverage should be uniform. Surface conditioner should not be applied so heavily that it puddles or runs. **Do not apply conditioner to Bituthene® membrane.**

Allow Bituthene® System 4000 Surface Conditioner to dry one hour or until substrate returns to its original color. At low temperatures or in high humidity conditions, dry time may be longer.

Bituthene® System 4000 Surface Conditioner is clear when dry and may be slightly tacky. In general, conditioning should be limited to what can be covered within 24 hours. In situations where long dry times may prevail, substrates may be conditioned in advance. Substrates should be reconditioned if significant dirt or dust accumulates.

Before surface conditioner dries, tools should be cleaned with water. After surface conditioner dries, tools should be cleaned with mineral spirits. Mineral spirits is a combustible liquid which should be used only in accordance with manufacturer's recommendations. **Do not use solvents to clean hands or skin.**

Corner Details

The treatment of corners varies depending on the location of the corner. For detailed information on Bituthene® Liquid Membrane, see separate product information sheet.

- At wall to footing inside corners—
  Option 1: Apply membrane to within 1 in. (25 mm) of base of wall. Treat the inside corner by installing a ¾ in. (20 mm) fillet of Bituthene® Liquid Membrane. Extend Bituthene® Liquid Membrane at least 2½ in. (65 mm) onto footing, and 2½ in. (65 mm) onto wall membrane.

  Option 2: Treat the inside corner by installing a ¾ in. (20 mm) fillet of Bituthene® Liquid Membrane. Apply 12 in. (300 mm) wide strip of sheet membrane centered over fillet. Apply wall membrane over inside corner and extend 6 in. (150 mm) onto footing. Apply 1 in. (25 mm) wide troweling of Bituthene® Liquid Membrane over all terminations and seams within 12 in. (300 mm) of corner.
- At footings where the elevation of the floor slab is 6 in. (150 mm) or more above the footing, treat the inside corner either by the above two methods or terminate the membrane at the base of the wall. Seal the termination with Bituthene® Liquid Membrane.

Joints

Properly seal all joints with waterstop, joint filler and sealant as required. Bituthene® membranes are not intended to function as the primary joint seal. Allow sealants to fully cure. Pre-strip all slab and wall cracks over 1/16 in. (1.5 mm) wide and all construction and control joints with 9 in. (230 mm) wide sheet membrane strip.

Application on Horizontal Surfaces

(Note: Preprufe® pre-applied membranes are strongly recommended for below slab or for any application where the membrane is applied before concreting. See Preprufe® waterproofing membrane product information sheets.)

Apply membrane from the low point to the high point so that laps shed water. Overlap all seams at least 2 in. (50 mm). Stagger all end laps. Roll the entire membrane firmly and completely as soon as possible. Use a linoleum roller or standard water-filled garden roller less than 30 in. (760 mm) wide, weighing a minimum of 75 lbs (34 kg) when filled. Cover the face of the roller with a resilient material such as a ½ in. (13 mm) plastic foam or two wraps of indoor-outdoor carpet to allow the membrane to fully contact the primed substrate. Seal all T-joints and membrane terminations with Bituthene® Liquid Membrane at the end of the day.

Protrusions and Drains

Apply membrane to within 1 in. (25 mm) of the base of the protrusion. Apply Bituthene® Liquid Membrane 0.1 in. (2.5 mm) thick around protrusion. Bituthene® Liquid Membrane should extend over the membrane a minimum of 2½ in. (65 mm) and up the penetration to just below the finished height of the wearing course.

Vertical Surfaces

Apply membrane in lengths up to 8 ft (2.5 m). Overlap all seams at least 2 in. (50 mm). On higher walls apply membrane in two or more sections with the upper overlapping the lower by at least 2 in. (50 mm). Roll all membrane with a hand roller.

Terminate the membrane at grade level. Press the membrane firmly to the wall with the butt end of a hardwood tool such as a hammer handle or secure into a reglet. Failure to use heavy pressure at terminations can result in a poor seal. A termination bar may be used to ensure a tight seal. Terminate the membrane at the base of the wall if the bottom of the interior floor slab is at least 6 in. (150 mm) above the footing. Otherwise, use appropriate inside corner detail where the wall and footing meet.

Membrane Repairs

Patch tears and inadequately lapped seams with membrane. Clean membrane with a damp cloth and dry. Slit fishmouths and repair with a patch extending 6 in. (150 mm) in all directions from the slit and seal edges of the patch with Bituthene® Liquid Membrane. Inspect the membrane thoroughly before covering and make any repairs.

Drainage

Hydroduct® drainage composites are recommended for both active drainage and protection of the membrane. See Hydroduct® product information sheets.

Protection of Membrane

Protect Bituthene® membranes to avoid damage from other trades, construction materials or backfill. Place protection immediately in temperatures above 77°F (25°C) to avoid potential for blisters.

- On vertical applications, use Hydroduct® 220 Drainage Composite. Adhere Hydroduct® 220 Drainage Composite to membrane with Preprufe® Detail Tape. Alternative methods of protection are to use 1 in. (25 mm) expanded polystyrene or ¼ in. (6 mm) extruded

polystyrene that has a minimum compressive strength of 8 lbs/in.^{2} (55 kN/m^2). Such alternatives do not provide positive drainage to the system. If ¼ in. (6 mm) extruded polystyrene protection board is used, backfill should not contain sharp rock or aggregate over 2 in. (50 mm) in diameter. Adhere polystyrene protection board with Preprufe® Detail Tape.

- In mud slab waterproofing, or other applications where positive drainage is not desired and where reinforced concrete slabs are placed over the membrane, the use of ¼ in. (6 mm) hardboard or 2 layers of ⅛ in. (3 mm) hardboard is recommended.

Insulation

Always apply Bituthene® membrane directly to primed or conditioned structural substrates. Insulation, if used, must be applied over the membrane. Do not apply Bituthene® membranes over lightweight insulating concrete.

Backfill

Place backfill as soon as possible. Use care during backfill operation to avoid damage to the waterproofing system. Follow generally accepted practices for backfilling and compaction. Backfill should be added and compacted in 6 in. (150 mm) to 12 in. (300 mm) lifts.

For areas which cannot be fully compacted, a termination bar is recommended across the top termination of the membrane.

Placing Steel

When placing steel over properly protected membrane, use concrete bar supports (dobies) or chairs with plastic tips or rolled feet to prevent damage from sharp edges. Use special care when using wire mesh, especially if the mesh is curled.

Approvals

- City of Los Angeles Research Report RR 24386
- Miami-Dade County Code Report NOA 04-0114.03
- U.S. Department of Housing and Urban Development (HUD) HUD Materials Release 628E

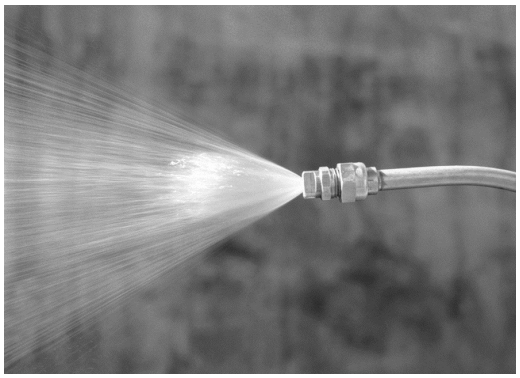
Bituthene System 4000 Surface Conditioner Sprayer

The Bituthene® System 4000 Surface Conditioner Sprayer is a professional grade, polyethylene, pump-type, compressed air sprayer with a brass fan tip nozzle. It has a 2 gal (7.6 L) capacity. The nozzle orifice and spray pattern have been specifically engineered for the optimum application of Bituthene® System 4000 Surface Conditioner.

Hold nozzle 18 in. (450 mm) from substrate and squeeze handle to spray. Spray in a sweeping motion until substrate is uniformly covered.

Sprayer should be repressurized by pumping as needed. For best results, sprayer should be maintained at high pressure during spraying.

To release pressure, invert the sprayer and spray until all compressed air is released.



Maintenance

The Bituthene® System 4000 Surface Conditioner Sprayer should perform without trouble for an extended period if maintained properly.

Sprayer should not be used to store Bituthene® System 4000 Surface Conditioner. The sprayer should be flushed with clean water immediately after spraying. For breaks in the spray operation of one hour or less, invert the sprayer and squeeze the spray handle until only air comes from the nozzle. This will avoid clogging.

Should the sprayer need repairs or parts, call the maintenance telephone number on the sprayer tank (800-323-0620).

- Bituthene® 4000 Membranes carry a Underwriters' Laboratory Class A Fire Rating (Building Materials Directory, File #R7910) when used in either of the following constructions:
  - —Limited to noncombustible decks at inclines not exceeding ¼ in. (6 mm) to the horizontal 1 ft (0.3 m). One layer of Bituthene® waterproofing membrane, followed by one layer of ⅛ in. (3 mm) protection board, encased in 2 in. (50 mm) minimum concrete monolithic pour.
  - —Limited to noncombustible decks at inclines not exceeding ¼ in. (6 mm) to the horizontal 1 ft (0.3 m). One layer of Bituthene® waterproofing membrane, followed by one layer of DOW Styrofoam PD Insulation Board [2 in. (50 mm) thick]. This is covered with one layer of 2 ft x 2 ft x 2 in. (0.6 m x 0.6 m x 50 mm) of concrete paver topping.

Warranty

Five year material warranties covering Bituthene® and Hydroduct® products are available upon request. Contact your Grace sales representative for details.

Technical Services

Support is provided by full time, technically trained Grace representatives and technical service personnel, backed by a central research and development staff.

Supply

Bituthene® System 4000	3 ft x 66.7 ft roll (200 ft²) [0.9 m x 20 m (18.6 m²)]
Roll weight	83 lbs (38 kg) gross
Palletization	25 rolls per pallet
Storage	Store upright in dry conditions below 95°F (+35°C).
System 4000 Surface Conditioner	1 x 0.625 gal (2.3 L) bottle in each roll of System 4000 Membrane
Ancillary Products	
Surface Conditioner Sprayer	2 gal (7.6 L) capacity professional grade sprayer with specially engineered nozzle
Bituthene® Liquid Membrane	1.5 gal (5.7 L) pail/125 pails per pallet or 4 gal (15.1 L) pail/48 pails per pallet
Preprufe® Detail Tape	2 in. x 50 ft (50 mm x 15 m) roll/16 rolls per carton
Bituthene® Mastic	Twelve 30 oz (0.9 L) tubes/carton or 5 gal (18.9 L) pail/36 pails per pallet
Complementary Material	
Hydroduct®	See separate data sheets

Equipment by others: Soft broom, utility knife, brush or roller for priming

Physical Properties for Bituthene® System 4000 Waterproofing Membrane

Property	Typical Value	Test Method
Color	Dark gray-black	
Thickness	1/16 in. (1.5 mm) nominal	ASTM D3767—method A
Flexibility, 180° bend over 1 in. (25 mm) mandrel at -25°F (-32°C)	Unaffected	ASTM D1970
Tensile strength, membrane, die C	325 lbs/in.² (2240 kPa) minimum	ASTM D412 modified[1]
Tensile strength, film	5,000 lbs/in.² (34.5 MPa) minimum	ASTM D882 modified[1]
Elongation, ultimate failure of rubberized asphalt	300% minimum	ASTM D412 modified[1]
Crack cycling at -25°F (-32°C), 100 cycles	Unaffected	ASTM C836
Lap adhesion at minimum application temperature	5 lbs/in. (880 N/m)	ASTM D1876 modified[2]
Peel strength	9 lbs/in. (1576 N/m)	ASTM D903 modified[3]
Puncture resistance, membrane	50 lbs (222 N) minimum	ASTM E154
Resistance to hydrostatic head	231 ft (71 m) of water	ASTM D5385
Permeance	0.05 perms (2.9 ng/m²sPa) maximum	ASTM E96, section 12—water method
Water absorption	0.1% maximum	ASTM D570

Footnotes:
1. The test is run at a rate of 2 in. (50 mm) per minute.
2. The test is conducted 15 minutes after the lap is formed and run at a rate of 2 in. (50 mm) per minute at 40°F (5°C).
3. The 180° peel strength is run at a rate of 12 in. (300 mm) per minute.

Physical Properties for Bituthene® System 4000 Surface Conditioner

Property	Typical Value
Solvent type	Water
Flash point	>140°F (>60°C)
VOC* content	91 g/L
Application temperature	25°F (-4°C) and above
Freeze thaw stability	5 cycles (minimum)
Freezing point (as packaged)	14°F (-10°C)
Dry time (hours)	1 hour**

* Volatile Organic Compound
** Dry time will vary with weather conditions

www.graceconstruction.com

For technical assistance call toll free at 866-333-3SBM (3726)

BIT-220I Printed in U.S.A. 04/14 GCS/PDF

GRACE

PREPRUFE® 300R & 160R

Pre-applied waterproofing membranes that bond integrally to poured concrete for use below slabs or behind basement walls on confined sites

Description

Preprufe® 300R & 160R membranes are unique composite sheets comprising a thick HDPE film, an aggressive pressure sensitive adhesive and a weather resistant protective coating.

Unlike conventional non-adhering membranes, which are vulnerable to water ingress tracking between the unbonded membrane and structure, the unique Preprufe bond to concrete prevents ingress or migration of water around the structure.

The Preprufe R System includes:

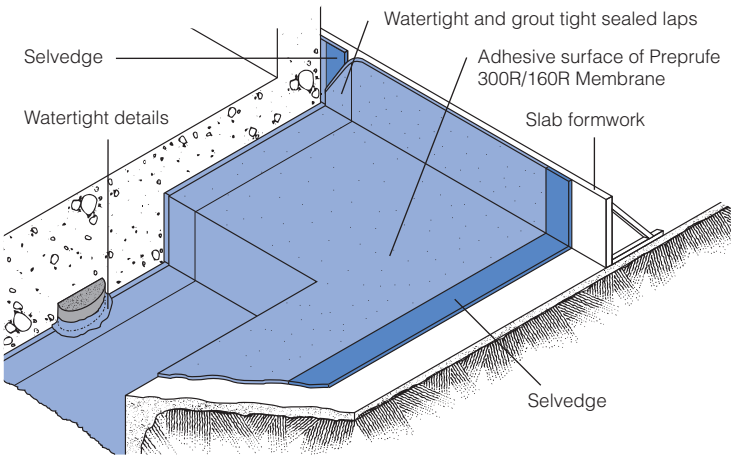
- **Preprufe 300R**—heavy-duty grade for use below slabs and on rafts (i.e. mud slabs). Designed to accept the placing of heavy reinforcement using conventional concrete spacers.
- **Preprufe 160R**—thinner grade for blindside, zero property line applications against soil retention systems.
- **Preprufe Tape LT**—for covering cut edges, roll ends, penetrations and detailing (temperatures between 25°F (-4°C) and 86°F (+30°C)).
- **Preprufe Tape HC**—as above for use in Hot Climates (minimum 50°F (10°C)).
- **Bituthene® Liquid Membrane**—for sealing around penetrations, etc.
- **Adcor™ ES**—waterstop for joints in concrete walls and floors
- **Preprufe Tieback Covers**—preformed cover for soil retention wall tieback heads
- **Preprufe Preformed Corners**—preformed inside and outside corners

Preprufe 300R & 160R membranes are applied either horizontally to smooth prepared concrete, carton forms or well rolled and compacted earth or crushed stone substrate; or vertically to permanent formwork or adjoining structures. Concrete is then cast directly against the adhesive side of the membranes. The specially developed Preprufe adhesive layers work together to form a continuous and integral seal to the structure.

Preprufe can be returned up the inside face of slab formwork but is not recommended for conventional twin-sided formwork on walls, etc. Use Bituthene self-adhesive membrane or Procor® fluid applied membrane to walls after removal of formwork for a fully bonded system to all structural surfaces.

Advantages

- **Forms a unique continuous adhesive bond to concrete poured against it**—prevents water migration and makes it unaffected by ground settlement beneath slabs
- **Fully-adhered watertight laps** and detailing
- **Provides a barrier to water, moisture and gas**—physically isolates the structure from the surrounding ground
- **BBA Certified** for basement Grades 2, 3, & 4 to BS 8102:1990
- **Zero permeance** to moisture
- **Solar reflective**—reduced temperature gain
- **Simple and quick to install**—requiring no priming or fillets
- **Can be applied to permanent formwork**—allows maximum use of confined sites
- **Self protecting**—can be trafficked immediately after application and ready for immediate placing of reinforcement
- **Unaffected by wet conditions**—cannot activate prematurely
- **Inherently waterproof, non-reactive system:**
  - not reliant on confining pressures or hydration
  - unaffected by freeze/thaw, wet/dry cycling
- **Chemical resistant**—effective in most types of soils and waters, protects structure from salt or sulphate attack



Drawings are for illustration purposes only.
Please refer to graceconstruction.com for specific application details.

BBA BRITISH BOARD OF AGREMENT CERTIFICATE No. 97/3325

Installation

The most current application instructions, detail drawings and technical letters can be viewed at graceconstruction.com. For other technical information contact your local Grace representative.

Preprufe 300R & 160R membranes are supplied in rolls 4 ft (1.2 m) wide, with a selvedge on one side to provide self-adhered laps for continuity between rolls. The rolls of Preprufe Membrane and Preprufe Tape are interwound with a disposable plastic release liner which must be removed before placing reinforcement and concrete.

Substrate Preparation

All surfaces—It is essential to create a sound and solid substrate to eliminate movement during the concrete pour. Substrates must be regular and smooth with no gaps or voids greater than 0.5 in. (12 mm). Grout around all penetrations such as utility conduits, etc. for stability (see Figure 1).

Horizontal—The substrate must be free of loose aggregate and sharp protrusions. Avoid curved or rounded substrates. When installing over earth or crushed stone, ensure substrate is well compacted to avoid displacement of substrate due to traffic or concrete pour. The surface does not need to be dry, but standing water must be removed.

Vertical—Use concrete, plywood, insulation or other approved facing to sheet piling to provide support to the membrane. Board systems such as timber lagging must be close butted to provide support and not more than 0.5 in. (12 mm) out of alignment.

Membrane Installation

Preprufe can be applied at temperatures of 25°F (-4°C) or above. When installing Preprufe in cold or marginal weather conditions 55°F (<13°C) the use of Preprufe Tape LT is recommended at all laps and detailing. Preprufe Tape LT should be applied to clean, dry surfaces and the release liner must be removed immediately after application. Alternatively, Preprufe Low Temperature (LT) is available for low temperature condition applications. Refer to Preprufe LT data sheet for more information.

Horizontal substrates—Place the membrane HDPE film side to the substrate with the clear plastic release liner facing towards the concrete pour. End laps should be staggered to avoid a build up of layers. Leave plastic release liner in position until overlap procedure is completed (see Figure 2).

Accurately position succeeding sheets to overlap the previous sheet 3 in. (75 mm) along the marked selvedge. Ensure the underside of the succeeding sheet is clean, dry and free from contamination before attempting to overlap. Peel back the plastic release liner from between the overlaps as the two layers are bonded together. Ensure a continuous bond is achieved without creases and roll firmly with a heavy roller. Completely remove the plastic liner to expose the protective coating. Any initial tack will quickly disappear.

Refer to Grace Tech Letter 15 for information on suitable rebar chairs for Preprufe.

Vertical substrates—Mechanically fasten the membrane vertically using fasteners appropriate to the substrate with the the clear plastic release liner facing towards the concrete pour. The membrane may be installed in any convenient length. Fastening can be made through the selvedge using a small and low profile head fastener so that the membrane lays flat and allows firmly rolled overlaps. Immediately remove the plastic release liner.

Ensure the underside of the succeeding sheet is clean, dry and free from contamination before attempting to overlap. Roll firmly to ensure a watertight seal.

Roll ends and cut edges—Overlap all roll ends and cut edges by a minimum 3 in. (75 mm) and ensure the area is clean and free from contamination, wiping with a damp cloth if necessary. Allow to dry and apply Preprufe Tape LT (or HC in hot climates) centered over the lap edges and roll firmly (see Figure 3). Immediately remove printed plastic release liner from the tape.

Details

Refer to Preprufe Field Application Manual, Section V Application Instructions or visit graceconstruction.com. This manual gives comprehensive guidance and standard details.

Membrane Repair

Inspect the membrane before installation of reinforcement steel, formwork and final placement of concrete. The membrane can be easily cleaned by power washing if required. Repair damage by wiping the area with a damp cloth to ensure the area is clean and free from dust, and allow to dry. Repair small punctures (0.5 in. (12 mm) or less) and slices by applying Preprufe Tape centered over the damaged area and roll firmly. Remove the release liner from the tape. Repair holes and large punctures by applying a patch of Preprufe membrane, which extends 6 in. (150 mm) beyond the damaged area. Seal all edges of the patch with Preprufe Tape, remove the release liner from the tape and roll firmly. Any areas of damaged adhesive should be covered with Preprufe Tape. Remove printed plastic release liner from tape. Where exposed selvedge has lost adhesion or laps have not been sealed, ensure the area is clean and dry and cover with fresh Preprufe Tape, rolling firmly. Alternatively, use a hot air gun or similar to activate adhesive and firmly roll lap to achieve continuity.

Pouring of Concrete

Ensure the plastic release liner is removed from all areas of Preprufe membrane and tape.

It is recommended that concrete be poured within 56 days (42 days in hot climates) of application of the membrane. Following proper ACI guidelines, concrete must be placed carefully and consolidated properly to avoid damage to the membrane. Never use a sharp object to consolidate the concrete.

Removal of Formwork

Preprufe membranes can be applied to removable formwork, such as slab perimeters, elevator and lift pits, etc. Once the concrete is poured the formwork must remain in place until the concrete has gained sufficient compressive strength to develop the surface bond. Preprufe membranes are not recommended for conventional twin-sided wall forming systems.

A minimum concrete compressive strength of 1500 psi (10 N/mm^2) is recommended prior to stripping formwork supporting Preprufe membranes. Premature stripping may result in displacement of the membrane and/or spalling of the concrete.

Refer to Grace Tech Letter 17 for information on removal of formwork for Preprufe.

Figure 1

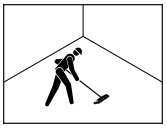


Figure 2

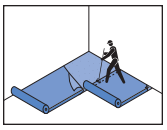
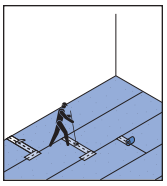
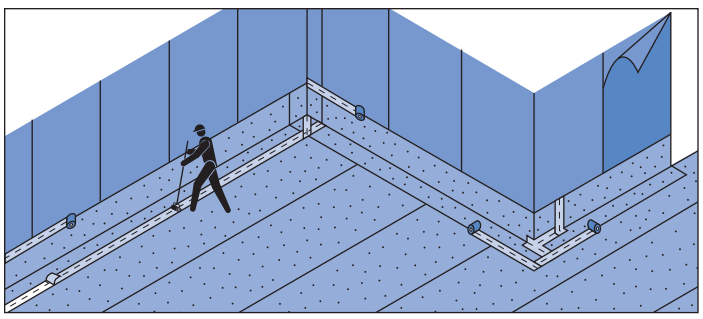


Figure 3

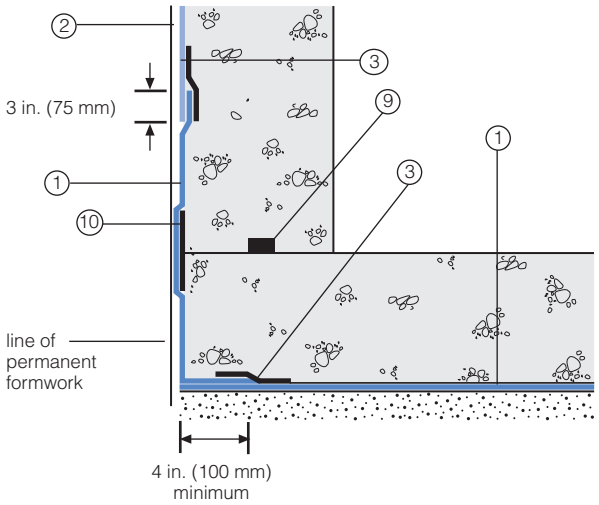




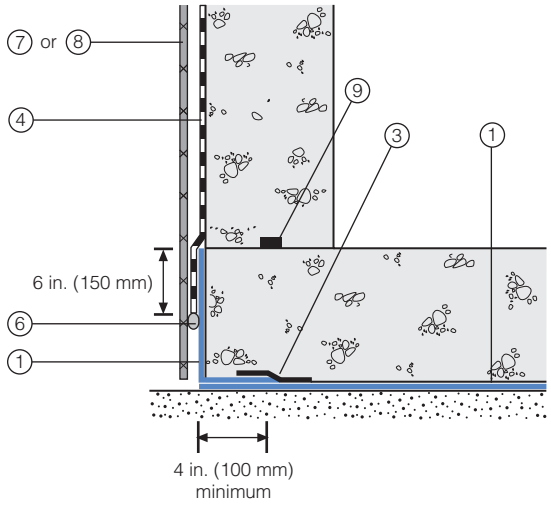
Detail Drawings

Details shown are typical illustrations and not working details. For a list of the most current details, visit us at graceconstruction.com. For technical assistance with detailing and problem solving please call toll free at 866-333-3SBM (3726).

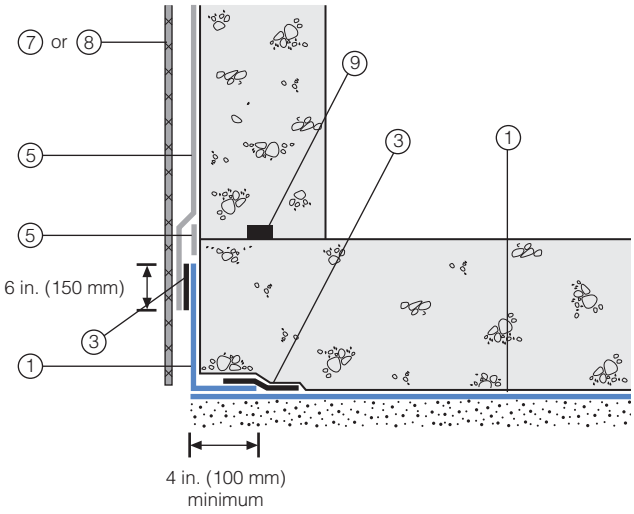
Wall base detail against permanent shutter



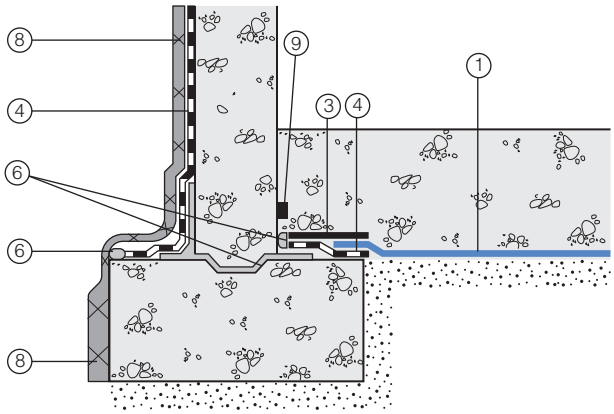
Bituthene wall base detail (Option 1)



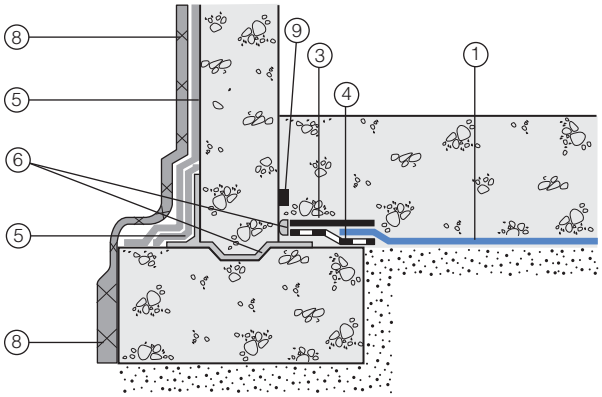
Procor wall base detail (Option 1)



Bituthene wall base detail (Option 2)



Procor wall base detail (Option 2)



1 Preprufe 300R
2 Preprufe 160R
3 Preprufe Tape
4 Bituthene
5 Procor
6 Bituthene Liquid Membrane
7 Protection
8 Hydroduct®
9 Adcor ES
10 Preprufe CJ Tape

Supply

Dimensions (Nominal)	Preprufe 300R Membrane	Preprufe 160R Membrane	Preprufe Tape (LT or HC*)
Thickness	0.046 in. (1.2 mm)	0.032 in. (0.8 mm)	
Roll size	4 ft x 98 ft (1.2 m x 30 m)	4 ft x 115 ft (1.2 m x 35 m)	4 in. x 49 ft (100 mm x 15 m)
Roll area	392 ft^2 (36 m^2)	460 ft^2 (42 m^2)	
Roll weight	108 lbs (50 kg)	92 lbs (42 kg)	4.3 lbs (2 kg)
Minimum side/end laps	3 in. (75 mm)	3 in. (75 mm)	3 in. (75 mm)
* LT denotes Low Temperature (between 25°F (-4°C) and 86°F (+30°C)) HC denotes Hot Climate (50°F (>+10°C))			
Ancillary Products			
Bituthene Liquid Membrane—1.5 US gal (5.7 liter) or 4 US gal (15.1 liter)			

Physical Properties

Property	Typical Value 300R	Typical Value 160R	Test Method
Color	white	white	
Thickness	0.046 in. (1.2 mm)	0.032 in. (0.8 mm)	ASTM D3767
Lateral Water Migration Resistance	Pass at 231 ft (71 m) of hydrostatic head pressure	Pass at 231 ft (71 m) of hydrostatic head pressure	ASTM D5385, modified[1]
Low temperature flexibility	Unaffected at -20°F (-29°C)	Unaffected at -20°F (-29°C)	ASTM D1970
Resistance to hydrostatic head	231 ft (71 m)	231 ft (71 m)	ASTM D5385, modified[2]
Elongation	500%	500%	ASTM D412, modified[3]
Tensile strength, film	4000 psi (27.6 MPa)	4000 psi (27.6 MPa)	ASTM D412
Crack cycling at -9.4°F (-23°C), 100 cycles	Unaffected, Pass	Unaffected, Pass	ASTM C836
Puncture resistance	221 lbs (990 N)	100 lbs (445 N)	ASTM E154
Peel adhesion to concrete	5 lbs/in. (880 N/m)	5 lbs/in. (880 N/m)	ASTM D903, modified[4]
Lap peel adhesion	5 lbs/in. (880 N/m)	5 lbs/in. (880 N/m)	ASTM D1876, modified[5]
Permeance to water vapor transmission	0.01 perms (0.6 ng/(Pa x s x m^2))	0.01 perms (0.6 ng/(Pa x s x m^2))	ASTM E96, method B
Water absorption	0.5%	0.5%	ASTM D570

Footnotes:

1. Lateral water migration resistance is tested by casting concrete against membrane with a hole and subjecting the membrane to hydrostatic head pressure with water. The test measures the resistance of lateral water migration between the concrete and the membrane.
2. Hydrostatic head tests of Preprufe Membranes are performed by casting concrete against the membrane with a lap. Before the concrete cures, a 0.125 in. (3 mm) spacer is inserted perpendicular to the membrane to create a gap. The cured block is placed in a chamber where water is introduced to the membrane surface up to the head indicated.
3. Elongation of membrane is run at a rate of 2 in. (50 mm) per minute.
4. Concrete is cast against the protective coating surface of the membrane and allowed to properly dry (7 days minimum). Peel adhesion of membrane to concrete is measured at a rate of 2 in. (50 mm) per minute at room temperature.
5. The test is conducted 15 minutes after the lap is formed (per Grace published recommendations) and run at a rate of 2 in. (50 mm) per minute.

Specification Clauses

Preprufe 300R or 160R shall be applied with its adhesive face presented to receive fresh concrete to which it will integrally bond. Only Grace Construction Products approved membranes shall be bonded to Preprufe 300R/160R. All Preprufe 300R/160R system materials shall be supplied by Grace Construction Products, and applied strictly in accordance with their instructions. Specimen performance and formatted clauses are also available.

NOTE: Use Preprufe Tape to tie-in Procor with Preprufe.

Health and Safety

Refer to relevant Material Safety data sheet. Complete rolls should be handled by a minimum of two persons.

www.graceconstruction.com

For technical assistance call toll free at 866-333-3SBM (3726)

PF-111H Printed in U.S.A. 07/12 FA/PDF

GRACE