131-24 AVERY AVE

QUEENS, NEW YORK

Final Engineering Report

NYSDEC Site Number: C241229

Prepared for:

Wilson Realty Management LLC

226-16 77th Avenue

Oakland Garden, NY 11364

Prepared by:

YU & Associates Engineers, P.C.

200 Riverfront Boulevard

Elmwood Park, NJ 07407

201-791-0075

DECEMBER 2020

CERTIFICATIONS

I, ANDREW LEUNG, am currently a registered professional engineer licensed by the State of New York, I had primary direct responsibility for implementation of the remedial program activities, and I certify that the Remedial Action Work was implemented and that all construction activities were completed in substantial conformance with the Department-approved Remedial Action Work Plan

I certify that the data submitted to the Department with this Final Engineering Report demonstrates that the remediation requirements set forth in the Remedial Action Work Plan and in all applicable statutes and regulations have been or will be achieved in accordance with the time frames, if any, established for the remedy.

I certify that all use restrictions, Institutional Controls, Engineering Controls, and/or any operation and maintenance requirements applicable to the Site are contained in an environmental easement created and recorded pursuant ECL 71-3605 and that all affected local governments, as defined in ECL 71-3603, have been notified that such easement has been recorded.

I certify that a Site Management Plan has been submitted for the continual and proper operation, maintenance, and monitoring of all Engineering Controls employed at the Site, including the proper maintenance of all remaining monitoring wells, and that such plan has been approved by the Department.

I certify that all documents generated in support of this report have been submitted in accordance with the DER's electronic submission protocols and have been accepted by the Department.

I certify that all data generated in support of this report have been submitted in accordance with the Department's electronic data deliverable and have been accepted by the Department.

I certify that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. I, Andrew Leung , of YU & Associates Engineers, P.C., am certifying as Owner's Designated Site Representative for the site.

NY-063018-1 — NYS Professional Engineer #

12/16/2020 — Date

Signature

STATE OF NEW YORK ★ ANDREW LEUNG ★ LICENSED PROFESSIONAL ENGINEER 063018

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LIST OF ACRONYMS

Acronym	Definition
AOC	Areas of Concern
ASP	Analytical Services Protocol
AST	Aboveground Storage Tank
BCA	Brownfield Cleanup Agreement
BCP	Brownfield Cleanup Program
CAMP	Community Air Monitoring Program
C/D	Construction and Demolition
CPP	Citizen Participation Plan
CQAP	Construction Quality Assurance Plan
CSO	Combined Sewage Overflow
COC	Chlorinated Volatile Organic Compound
DCE	Dichloroethene
DER	Division of Environmental Remediation
DMM	Division of Materials Management
DUSR	Data Usability Summary Report
EC	Engineering Control
ECL	Environment Conservation Law
EDD	Electronic Data Deliverable
EDR	Environmental Data Resources
ELAP	Environmental Laboratory Approval Program
ESA	Environmental Site Assessment
ft bbfs	Feet Below Basement Floor Surface
ft bgs	Feet Below Ground Surface
FAR	Floor Area Ratio
FEMA	Federal Emergency Management Agency
FER	Final Engineering Report
FRTR	Federal Remediation Technologies Roundtable
FWRIA	Fish and Wildlife Resources Impact Analysis
GPR	Ground Penetration Radar
HASP	Health and Safety Plan
HAZWOPER	Hazardous Waste Operations and Emergency Response
HVAC	Heating, Ventilation and Air Conditioning
IC	Institutional Control
NYCDEP	New York City Department of Environmental Protection

Acronym	Definition
NYCRR	New York Codes, Rules and Regulations
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
NYSDOT	New York State Department of Transportation
OSHA	Occupational Safety and Health Administration
PAH	Polycyclic Aromatic Hydrocarbon
PCB	Polychlorinateed Biphenyl
PCE	Tetrachloroethene
PID	Photoionization Detector
POGW	Protection of Groundwater
ppm	parts per million
PRT	Post Run Tubing
QA/QC	Quality Assurance/Quality Control
QAPP	Quality Assurance Project Plan
RAO	Remedial Action Objective
RAWP	Remedial Action Work Plan
RCRA	Resource Conservation and Recovery Act
REC	Recognized Environmental Condition
RF/EM	Ratio Frequency/Electromagnetic
RIR	Remedial Investigation Report
RIWP	Remedial Investigation Work Plan
RL	Reporting Limit
RRSCO	Restricted-Residential Soil Clean-up Objective
SCG	Standards, Criteria and Guidance
SCO	Soil Clean-up Objective
SCS	Soil Conservation Service
SMP	Site Management Plan
SoMP	Soils/Materials Management Plan
SPDES	State Pollutant Discharge Elimination System
SSD	Sub-Slab Depressurization
SVOC	Semivolatile Organic Compound
TAL	Target Analyte List
TCE	Trichloroethene

Acronym	Definition
TCL	Target Compound List
TOGS	Technical Operational Guidance Series
TSCA	Toxic Substances Control Act
USDA	United States Department of Agriculture
USEPA	United States Environmental Protection Agency
USGS	United States Geological Survey
UST	Underground Storage Tank
UUSCO	Unrestricted Use Soil Cleanup Objective
VOC	Volatile Organic Compound
WQS	Water Quality Standards
YU	YU & Associates Engineers, P.C.
ZVI	Zero Valent Iron

FINAL ENGINEERING REPORT

1.0 BACKGROUND AND SITE DESCRIPTION

Wilson Realty Management LLC entered into a Brownfield Cleanup Agreement (BCA) with the New York State Department of Environmental Conservation (NYSDEC) in January 2019, to investigate and remediate a 0.198-acre property located at 131-24 to 131-32 Avery Avenue in Flushing, Queens, New York. The property was remediated to residential, restricted-residential, commercial, and industrial use .

The site is located in the County of Queens, New York and is identified as Block 5076, Lot 69 and 75 on the Queens Tax Map. The site is situated on an approximately 0.198-acre area bounded by Avery Avenue and commercial properties to the north, commercial/residential property and Fowler Avenue to the south, manufactural and industrial properties to the east, and vacant properties and 131st Street and the Van Wyck Expressway to the west (see Figure 1 and 2). The boundaries of the site are fully described in Appendix A: Survey Map, Metes and Bounds.

The Remediation had been performed at the Site in accordance with the NYSDEC-approved RAWP and a conditional Track 1 cleanup was achieved. End-point soil sample results indicated that soil had been remediated and meet Track 1 Unrestricted Use SCOs, but residual chlorinated volatile organic compound (CVOC) impacts remained in groundwater and soil vapor. If the remedial goals for groundwater are achieved within 5 years of the issuance of the Certificate of Completion (CoC) as required in 6 NYCRR Part 375-3.8(e)(1)(iv), then a Track 1 cleanup will be achieved. If these goals are not achieved within five years, Track 2 Restricted Residential Use will apply and the CoC shall be modified. CVOCs in soil vapor are sufficiently addressed by the sub-grade parking ventilation system.

An electronic copy of this FER with all supporting documentation is included as Appendix B.

2.0 SUMMARY OF SITE REMEDY

2.1 REMEDIAL ACTION OBJECTIVES

Based on the results of the Remedial Investigation, the following Remedial Action Objectives (RAOs) were identified for this site.

2.1.1 Groundwater RAOs

RAOs for Public Health Protection

- Prevent ingestion of groundwater containing contaminant levels exceeding drinking water standards.
- Prevent contact with, or inhalation of, volatiles emanating from contaminated groundwater.

RAOs for Environmental Protection

- Restore ground water aquifer, to the extent practicable, to pre-disposal/pre-release conditions.
- Remove the source of ground or surface water contamination.

2.1.2 Soil RAOs

RAOs for Public Health Protection

- Prevent ingestion/direct contact with contaminated soil.
- Prevent inhalation of, or exposure to, contaminants volatilizing from contaminated soil.

RAOs for Environmental Protection

- Prevent migration of contaminants that would result in groundwater or surface water contamination.

2.1.3 Soil Vapor RAOs

RAOs for Public Health Protection

- Mitigate impacts to public health resulting from existing, or the potential for, soil vapor intrusions into buildings at the Site

2.2 DESCRIPTION OF SELECTED REMEDY

The site was remediated in accordance with the remedy selected by the NYSDEC in the RAWP dated March 11, 2019.

The factors considered during the selection of the remedy are those listed in 6NYCRR 375-1.8. The following are the components of the selected remedy:

1. Prior to the commencement of remedial measures, existing buildings were demolished and removed from the Site in accordance with New York City permit requirements;

2. On-site soil was excavated to the groundwater level with over-excavation in localized areas up to 3 feet below groundwater level. A total of 11,342.17 tons of soil was excavated, transported, and disposed off-site at appropriately permitted facilities;

3. On-site PCB hazardous soil was disposed of in accordance with TSCA.

4. On-site soil impacted by PCBs above 0.1 parts per million (ppm) was excavated to the extent of practical, which is 1-3 feet below groundwater level and transported for off-site disposal at a properly approved facility.

5. End-point sampling was conducted following soil excavations to demonstrate that the remedy has achieved Track 1 the soil cleanup levels. Over-excavation was performed where the end-point sample results indicate exceedances of Unrestricted Use SCOs criteria;

6. In-Situ chemical treatment of on-site groundwater was implemented to treat the on-site CVOCs groundwater contamination. A chemical reduction agent, zero-valent iron (ZVI) powder was directly applied on the contaminated saturated soil at the bottom of the excavation and mixed with the 2 feet of soils using conventional moving equipment (e.g. backhoe). Follow up quarterly groundwater monitoring will be performed to confirm the effectiveness of the application as part of the SMP;

7. On-site groundwater contamination was remediated through site-wide in-situ chemical reduction. Potential groundwater contamination off-site migration was prevented by installing the permeable reactive barriers (PRB). Upon the completion of soil excavation, the PRBs were installed as continuous trenches with reduction chemical reagent along each perimeter of the property boundary to prevent potential groundwater contamination off-site migration.

8. Though not an element of the remedy, a continuous vapor barrier membrane was installed along the subsurface foundation walls and beneath the entire mat foundation slab. GCP Applied Technologies (GCP) Preprufe® 160R and Bituthene® 3000 Membrane were installed on the exterior of the foundation walls, and GCP Preprufe® 300R was installed underneath the foundation slab. Approximately 8,910 square feet (sq ft) of GCP Preprufe® 300R, 3,238 sq ft of GCP Preprufe® 160R and 3,238 sq ft of Bituthene® 3000 have been installed at the Site. Penetrations including pipes and groundwater monitoring wells have been sealed with 6-inch overlap. The vapor barrier membrane was installed to protect against VOC intrusion to the site building from residual on-site and potential off-site sources;

9. Though not an element of the remedy, the sub-grade ventilation system will be constructed in the cellar and operated in accordance with the New York City Mechanical Code Section 404.2 for parking garage. The ventilated cellar provides a level of protection from potential accumulation of vapors migrating from underlying soil in the cellar areas in the unlikely event of a breach of the building slab. The cellar fans will be installed, operated, and maintained in accordance with New York City Mechanical Code.

10. In accordance with NYSDEC's Part 375 Track 1 cleanup requirements, the remedy includes the use of a short-term groundwater chemical treatment using ZVI powder that is anticipated to achieve RAOs identified by the decision document within 5 years. Until groundwater performance monitoring results indicate RAOs have been achieved, the site will be managed by an Environmental Easement and Site Management Plan (SMP). The Environmental Easement has been executed and recorded to restrict groundwater use and is included as Appendix C. An SMP has been prepared for short-term management of residual CVOC-impacted groundwater and the groundwater monitoring/injection wells. The SMP includes plans for groundwater monitoring and reporting and is included as Appendix D.

3.0 INTERIM REMEDIAL MEASURES, OPERABLE UNITS AND REMEDIAL CONTRACTS

The remedy for this site was performed as a single project, and no interim remedial measures, operable units or separate construction contracts were performed.

4.0 DESCRIPTION OF REMEDIAL ACTIONS PERFORMED

Remedial activities completed at the Site were conducted in accordance with the NYSDEC-approved Remedial Action Work Plan (RAWP) for the 131-24 Avery Avenue site (March 2019). All deviations from the RAWP are noted below.

4.1 GOVERNING DOCUMENTS

4.1.1 Site Specific Health & Safety Plan (HASP)

A site-specific HASP was prepared by YU and addressed the requirements for all remedial and invasive work performed at the Site. HASP related activities included:

- Developed and implemented health and safety plan in conformance with §29 CFR 1910.120 and project requirements.
- Medical surveillance for site personnel.
- Provided information, education and training, including HAZWOPER training and certification for site personnel.
- Delineated on-site personnel responsibilities and contact information.
- VOCs and particulates were monitored with a Photo Ionization Detector (PID) and a dust monitor.
- Identified chemical and physical hazards known to be present at the Site. Primary chemical hazards present at the Site were PCBs and Chlorinated VOCs (CVOCs). Field measures such as PCBs test kit and PID were used to delineate specific chemical hazard area, and proper PPE was occupied accordingly.
- Established a decontamination zone, as well as support and exclusion zones. Decontamination of equipment, PPE and field personnel were conducted after each day's work and before end-point sampling.
- Ensured proper use of PPE for different project activities. A modified level D PPE was occupied for construction of underpinning along west perimeter and chemical mixing event. A level D PPE was occupied for other activities.
- Maintained a record of work-related illness, injuries, and accidents.
- Prepared for emergencies.

All remedial work performed under this Remedial Action was in full compliance with governmental requirements, including Site and worker safety requirements mandated by Federal OSHA.

Project personnel and visitors were given periodic on-site health and safety briefings by the site health and safety officer, or designee, to assist site personnel in safely conducting their work activities. The briefings included information on new operations to be conducted, changes in work practices or the Site's environmental conditions. Personnel's signatures were collected on the health and safety sign-in sheet after the debriefing. The HASP and copies of the sign-in sheets are included in Appendix E. The Health and Safety Plan (HASP) was complied with for all remedial and invasive work performed at the Site.

4.1.2 Quality Assurance Project Plan (QAPP)

The QAPP was included as Appendix I of the Remedial Action Work Plan (RAWP) approved by the NYSDEC. The QAPP describes the specific policies, objectives, organization, functional activities and quality assurance/ quality control activities designed to achieve the project data quality objectives. The QAPP also describes proposed sampling and analytical methods for end-point sampling in accordance with procedures outlined in the DER-10 (May 2010), as well as 40 CFR Part 761 Subpart O Sampling to Verify Completion of Self Implementing Cleanup and On-site Disposal of Bulk PCB Remediation Waste and Porous Surfaces in Accordance with 761.61(a)(6).

4.1.3 Construction Quality Assurance Plan (CQAP)

The Construction Quality Assurance Plan(s) (CQAPs) managed performance of the Remedial Action tasks through designed and documented QA/QC methodologies applied in the field and in the lab. The CQAP provided a detailed description of the observation and testing activities that were used to monitor construction quality and confirm that remedial construction was in conformance with the remediation objectives and specifications.

NYSDEC was the primary regulatory agency responsible for observing and monitoring the progress of remediation activities at the Site. YU had been retained by the Remedial Party to design, implement, and oversee the remedial action in accordance with the RAWP. A Construction Manager (CM) from W&L Group Construction Inc. provided professional construction management in connection with the project and implemented the CQAP. The CQAP included the following:

- Responsibilities and authorities of the organizations and key personnel involved in the design and construction of the remedy.
- The observations and tests that were used to monitor construction and the frequency of performance of such activities.
- The sampling activities, sample size, sample locations, frequency of testing, acceptance and rejection criteria, and plans for implementing corrective measures as addressed in the plans and specifications.
- Requirements for project coordination meetings between the Applicant and its representatives, the Construction Manager, Excavation Contractor, remedial or environmental subcontractors, and other involved parties.
- Description of the reporting requirements for quality assurance activities including such items as daily summary reports, schedule of data submissions, inspection data sheets, problem identification and corrective measures reports, evaluation reports, acceptance reports, and final documentation.
- Description of the final documentation retention provisions.

4.1.4 Soil/Materials Management Plan (S/MMP)

The S/MMP was incorporated in the approved RAWP. The S/MMP included detailed plans for managing soils/materials that were disturbed at the Site, including soil excavation, handling, storage, transport and disposal. It also included the controls that were applied to these efforts to assure effective, nuisance-free performance in compliance with all applicable Federal, State and local laws and regulations.

The S/MMP described the approach to managing, transporting and disposing soil, demarcation, backfill and excavation from the Site. The handling and transporting of material removed from the Site to a suitable off-site disposal facility were monitored by the Remedial Engineer. Also, the identification of the impacted materials during excavation, the implementation of support of excavation, the selection of samples for waste characterization and the control plan of odor and dust were determined by a remediation inspector under the direction of the Remedial Engineer. The details of S/MMP are described in the following paragraphs.

Visual, olfactory and PID soil screening and assessment were performed by a qualified environmental professional or experienced field geologist under the direction of the Remedial Engineer during remedial and development excavations into known or potentially contaminated material. Soil screening was performed regardless of when the

invasive work was done and included all excavation and invasive work performed during the remedy and during development phase.

Stockpile areas were separately constructed for soil staging on the Site to avoid mixing different materials. Stockpile areas fulfilled the requirements shown as below:

- One layer of 20 mil thick polyethylene sheeting with proper thickness and sufficient strength was required to prevent puncture when placing the excavated soil.
- Stockpiles were covered upon reaching maximum capacity until ready for loading. Stockpiles with enough space were also covered at the end of each work day.
- Stockpiles were inspected at a minimum once each week and after every storm event. Results of inspections were recorded in a logbook and maintained at the Site and available for inspection by NYSDEC.
- Stockpiles were kept covered at all times with appropriately anchored tarps. Stockpiles were routinely inspected and damaged tarp covers we promptly replaced.

The handling and transporting of material removed from the Site to a suitable offsite disposal facility was monitored by the Remedial Engineer. Also, the identification of the impacted materials during excavation, shoring of excavations, the selection of samples for waste characterization, and the implementation of the odor and dust control plan were overseen by a qualified environmental professional under the direction of the Remedial Engineer.

After the completion of soil removal and any other invasive remedial activities and prior to backfilling, a physical demarcation layer, consisting of Mirafi 140N geotextile fabric was placed on this surface to provide a visual reference. Approximately two feet of gravel was placed on top of the demarcation layer across the Site. All materials proposed for import into the Site was approved by the Remedial Engineer and was in compliance with provisions in the RAWP prior to receipt at the Site.

4.1.5 Community Air Monitoring Plan (CAMP)

A CAMP was incorporated in the HASP, which is included in Appendix E. Continuous dust monitoring was performed for ground intrusive activities and during the demolition of contaminated or potentially contaminated structures. Ground intrusive activities include, but are not limited to, soil/waste excavation and handling, test pitting or trenching, and soil mixing.

Periodic monitoring for VOCs was required during both intrusive and nonintrusive activities such as excavation, soil load-out, stockpiling, and the collection of soil end-point samples. "Periodic" monitoring during sample collection consisted of taking a reading upon arrival at a sample location, monitoring while collecting the sample, and taking a reading prior to leaving a sample location.

CAMP results are summarized in section 4.2.5 and CAMP data is included in Appendix F

4.1.6 Contractors Site Operations Plans (SOPs)

The Remediation Engineer reviewed all plans and submittals for this remedial project (i.e. those listed above plus contractor and subcontractor submittals) and confirmed that they were in compliance with the RAWP. All remedial documents were submitted to NYSDEC and NYSDOH in a timely manner and prior to the start of work. The plans and submittals related to the remedial work included:

- Revised SOE plan provided by the structural engineer,
- Backfill gravel specification provided by Tilcon New York

4.1.7 Community Participation Plan

Community participation activities were guided by the Citizen Participation Plan throughout the Remedial Action. The approved Citizen Participation Plan for this project is attached in Appendix G of the March 2019 RAWP. Document repositories had been established and available for public review at the Queens Public Library and NYSDEC Region II office and contain all applicable project documents.

4.2 REMEDIAL PROGRAM ELEMENTS

4.2.1 Contractors and Consultants

The Agency supervising the remedial activities is NYSDEC. The Remedial Engineer for this project is Andrew Leung P.E. from YU & Associates Engineers, P.C and the Remediation Inspectors are Chengyu Hang, Pratik Manandhar, Huibin Luo, Olayinka Bolade from YU & Associates Engineers, P.C. The Site Safety Officer is John Cespedes from Allied Safety Group. The following contractors also implemented tasks as follow:

Contractor/Subcontractor Name	Associated Tasks
DREX Corp.	Drilling, excavation, installation of SOE, chemical mixing, and cover system installation
YU & Associates Engineers, P.C.	Remediation oversight, end-point sampling, and community air monitoring
PAL Environmental Services, Inc (PAL)	Monitoring/injection well installation
Earth Efficient, LLC	Soil disposal coordination
W & L Group Construction	General Contractor and Construction Management
Alpha Analytical, Inc	Analytical analysis of soil samples
Environmental Data Services, Inc	DUSR for end-point soil samples
Clean Harbors, Inc	Groundwater removal
Wayne Disposal, Inc and Clean Harbors Lone Mountain LLC	Disposal Facility for PCB TSCA building material and soil
Waste Management Fairless Landfill	Disposal Facility for PCB impacted concrete and soil
Greenview, BTL, Rodota and Hoffman Griffett Qarry	Disposal Facility for historical fill
Clean Water of New York	Disposal Facility for groundwater from elevator pit

4.2.2 Site Preparation

Mobilization

Following approval of the RAWP from NYSDEC and notice to proceed, YU and the remediation contractor mobilized necessary materials and equipment to the Site. Stockpile, decontamination areas, and egress points were designated as part of mobilization. A pre-construction meeting was held with NYSDEC and all contractors on Mach 16, 2020.

Stabilized Construction Entrance

During remediation, a truck wash area was located just before the site's stone-based egress path so that trucks could be decontaminated prior to departure from the Site. Truck and equipment egress points were maintained during the remediation so that they were clear of dirt and other materials

Site Fencing

The entire site perimeter was secured and fenced using plywood prior to the start of the remedial and construction activities.

Equipment and Material Staging

Appropriate equipment and materials staging areas were designated during remediation by the Construction Manager so as to facilitate remediation and prevent cross-contamination.

Agency Approval and Permits

Documentation of agency approvals required by the RAWP is included in Appendix G.

4.2.3 General Site Controls

Site security

Site security regarding excavation, handling, stockpiling and decontamination was fulfilled during both operational and non-operational hours. The level of site security was contingent upon the site location and performance. Perimeter fencing was installed primarily around the work area to restrict public site access, while other security measures such as temporary fencing, barrier tape, and warning signs were also employed as necessary.

- Perimeter Fencing: An approximately eight-foot high (8') plywood fence was installed around the perimeter of the construction site. Three Site access gates located on the south perimeter were provided. Site access gates were locked while the Site was closed to prevent unauthorized access. Fence construction and location met the requirements of the NYC Building Code and contractor's permit application including the approved Site Safety Plan.
- Temporary Fencing: Perimeter fencing was supplemented by temporary fencing, which was approximately 8' high and installed with posts driven into the ground. Fine mesh netting in orange was installed on the fence.
- Barrier Tape & Warning Signs: Barrier tape and warning signs were installed or posted as needed to delineate and restrict access to any potential unsafe zone such as excavation area, decontamination area, stockpiling area, etc.

Job site record keeping

Photos were taken of remedial activities. Field notes were kept by the on-site field personnel. Electronic copies of daily reports were prepared by YU and submitted to NYSDEC and NYSDOH Project Managers in a timely manner.

Equipment Decontamination / Residual Waste Management

Equipment decontamination was completed on-site in order to prevent dispersion of any contaminating materials. Excavator buckets were brushed to clean the loose soil and debris while excavating different contaminated media. All removed soil and debris were then placed into the dump truck containing the correspondent contaminated media and disposed in the same manner as that media.

Soil screening results

Visual, olfactory and PID soil screening and assessment were performed by a qualified environmental professional or experienced field geologist under the direction of the Remedial Engineer during remedial and development excavations into known or potentially contaminated material. Soil screening was performed regardless of when the invasive work was done and included all excavation and invasive work performed during the remedy and during development phase. PID monitoring was conducted on a regular basis within the work zone to monitor the potential worker exposure to vapor. While there were PID readings in the work zone that exceeded 5 ppm, which is the action level defined in the site-specific HASP, these were all of short duration (less than 15 minutes) or limited to a certain location. If the PID reading indicated a vapor concentration above the action level (5ppm) in the work zone, personnel who were working in this area were instructed to wear proper PPE.

Stockpile methods

Stockpile areas were separately constructed for soil staging on the Site to avoid mixing different materials. Stockpile areas fulfilled the minimum requirements shown as below:

- One layer of 20 mil thick polyethylene sheeting with proper thickness and sufficient strength was required to prevent puncture when placing the excavated soil.
- The soil was placed and removed by equipment using procedures to protect the liner.
- Stockpiles were covered upon reaching maximum capacity until ready for loading. Stockpiles with enough space were also covered at the end of each work day.

- Stockpiles were inspected at a minimum once each week and after every storm event. Results of inspections were recorded in a logbook and maintained at the Site and available for inspection by NYSDEC.
- Stockpiles were kept covered at all times with appropriately anchored polyethylene sheeting. Stockpiles were routinely inspected and damaged tarp covers were promptly replaced.
- Silt fences were placed along the site perimeter to prevent soil sedimentation and runoff off-site.
- Water was available on-site at suitable supply and pressure and was used in dust control.

4.2.4 Nuisance Controls

Truck Wash and Egress Housekeeping

During remediation, a truck wash area was established at the site's stone-based egress path (construction stabilized entrance) so that trucks could be decontaminated prior to departure from the Site. Truck and equipment egress points were maintained during the remediation so that they were clear of dirt and other materials. During the earlier stage of the remediation, the stabilized entrance was located in the middle of the southern perimeter. During the later stage, the stabilized entrance was relocated to the southwest corner of the site.

Dust Control

Dust control measures on-Site included the following:

- Dust suppression was achieved through the use of a hose connected to the hydrant off-Site. The use of the hydrant was permitted by NYCDEP.
- Gravels were used as roadways to provide a clean and dust-free road surface for trucks and machines to be operated upon.
- On-Site machine and truck operation were limited in area to minimize the area required for water spraying.

Odor Control

Periodic monitoring was conducted by YU to observe the perceptible odor. If nuisance odors are identified, work was halted and the source of odors was identified and corrected. Work would not resume until all nuisance odors had been abated.

Necessary means were employed to prevent on- and off-Site odor issues. Odor control measures included: (a) limiting the area of open excavations; and (b) shrouding

open excavations with tarps and other covers. No significant odor issue was identified for the Site during remediation.

4.2.5 CAMP Results

YU personnel was on-site for oversight of the construction excavation along with remedial activities. Dust monitoring and PID screening were conducted during soil excavation and removal. If nuisances were identified or elevated readings were observed, control measures were performed until nuisances had been abated to acceptable level. Dust monitoring data and PID readings were generally below the action levels during remedial activities. Monitoring was performed from March 26, 2019 to July 28, 2019 and the results are included in Appendix F. Exceedances of dust monitor were observed in the following days:

May 3, 7 and 31, 2019 SOE welding along south perimeter;

July 16, 2019 during subbase gravel compaction;

June 10, 2019 during soil excavation and load-out.

Dust control measures as spraying water and temporarily stop working were conducted when the exceedances were observed. During strong wind events, masks and extra caution were used during remedial activities.

Copies of all field data sheets relating to the CAMP are provided in electronic format in Appendix F.

4.2.6 Reporting

Daily Reports

Electronic copies of daily reports were submitted to NYSDEC and NYSDOH Project Managers by the end of each day following the reporting period and the reports included the following components:

- An update of progress made during the reporting day;
- Locations of work and quantities of material imported and exported from the Site;
- References to site map for Site activities;
- A summary of any and all complaints with relevant details (names, phone numbers);
- A summary of CAMP finding, including excursions;
- An explanation of notable Site conditions.

Daily reports included a description of daily activities keyed to a site map for the Site that identifies work areas. These reports included a summary of air sampling results, odor and dust problems and corrective actions, and all complaints received from the public. The NYSDEC assigned project number appeared on all reports.

All daily reports are included in electronic format in Appendix H.

The digital photo log required by the RAWP is included in electronic format in Appendix I

4.3 CONTAMINATED MATERIALS REMOVAL

The Site achieved the Track 1 cleanup for the remediation of soil following the UUSCOs as set forth in Table 375-6.8(b) of 6 NYCRR Part 375. A summary of the remedial actions performed at the Site is shown as below:

- Removal of 951 tons of PCBs hazardous soil and off-site disposal at permitted facilities;
- Removal of 2,033 tons of PCBs impacted and off-site disposal at permitted facilities;
- Removal of 8,358 tons of TCE/PCE contaminated soil/fill and off-site disposal at permitted facilities;
- Removal of 72,845 gallons of groundwater from elevator pit and off-site disposal at a permitted facility;
- In situ chemical reduction was implemented to treat the on-site groundwater by using ZVI powders. The ZVI powder was placed at the bottom of the excavation that extend to the 2 feet below water table and was intermixed with the saturated soils. The area of excavation bottom is approximate 8,700 sq ft and a total of 7,700 lbs of ZVI powder was used to treat the groundwater contamination;
- Groundwater monitoring has been conducted to confirm the results of groundwater treatment. Based on the groundwater monitoring results, the residue CVOCs levels in groundwater are generally low in most of the monitoring wells, except for the well in southeast corner. If bulk reduction of groundwater contaminant cannot be achieved, chemical injection events will be conducted as necessary.

A list of the soil cleanup objectives (SCOs) for the contaminants of concern for this project is provided in Table 1. Table 2 shows the total quantities of each category of

material removed from the Site and disposal facilities. Figure of area where PCB hazardous and impacted soil excavation was performed is shown in Figure 5. Figure of area where over-excavation was performed is shown in Figure 6.

4.3.1 PCB Hazardous Soil Removal

PCB remediation waste is regulated by the United States Environmental Protection Agency (USEPA) under the Toxic Substances Control Acts (TSCA), specifically 40 Code of Federal Regulations (CFR) 761. PCB hazardous soil on-site was excavated, handled, and disposed of based on the Self-Implementing On-site Cleanup and Disposal of PCB Remediation Waste (SIP) prepared by Airtek Environmental Corporation dated September 8, 2016, waste characterization prepared by YU in November 2017, and PCB delineation sampling prior to and during construction. The area of PCBs hazardous soil was delineated in grids sitewide. Between May 14, 2018 and April 9, 2019, PCB hazardous soil (PCB concentration in soil over 50 ppm) from the Site was excavated, separately stockpiled, and loaded onto trucks by DREX. After soil removal, PCBs verification samples were collected at the bottom of excavation. Additional excavation was performed if the verification samples failed to achieve the TSCA criteria. The PCBs delineation maps showing the locations and intervals of PCB hazardous soil are included in the Figure 5. Contour maps of estimated cut and fill thicknesses for remedial activities at the site are included in Figure 7.

4.3.1.1 Disposal Details

Site characterization for PCBs hazardous soil was performed by Airtek under the Self-Implementing Cleanup and Disposal and was approved by EPA. Samples were collected to delineate PCBs contamination in soils in accordance with the USEPA TSCA regulations as set forth in 40 CFR 761.61. A map summarizing the PCBs site characterization results is shown in Appendix J.

As per disposal facility's request for further delineation of the PCB hazardous soil of the Site, additional PCB delineation sampling was conducted by YU between March 26, 2018 and May 6, 2019. Soil samples were collected either from soil borings or immediately after soil removal at the 0 to 3 feet, 3 to 5 feet, 5 to 10 feet, and 10 to 20 feet intervals. Soil samples collected from these intervals were analyzed to see if the PCBs concentrations exceed 50 mg/kg. If PCBs concentrations exceeded, then soil samples from the subsequent interval were analyzed until PCBs concentrations in soil were detected below 50 ppm to delineate the vertical extent of PCB contamination. A total of 55 PCB delineation samples

were collected. The PCBs delineation maps showing the locations of the additional PCB delineation samples and the areas and intervals of PCB hazardous soil are included in the Figure 4 and 5. The sampling results of the additional PCB delineation samples are summarized in Table 5. The raw analytical laboratory data of additional PCB delineation samples is included in Appendix K.

Letters from Applicants to disposal facility owners and acceptance letters from disposal facility owners are attached in Appendix L.

Between May 14, 2018 and April 9, 2019, approximately 951 tons of PCB hazardous soil was transported off-site by EarthEfficient and disposed of under TSCA at Wayne Disposal, Inc in Belleville, MI and Clean Harbors at Waynoka, OK. Table 2 shows the total quantities of each category of material removed from the site and the disposal locations.

Manifests and bills of lading are included in electronic format in Appendix L.

4.3.2 PCB Impacted Soil Removal

Between March 29 and June 11, 2019, PCB impacted soil (PCB concentration in soil below 50 ppm but over 2 ppm) from the site was excavated, separately stockpiled, and loaded onto trucks by DREX. The area of PCBs impacted soil was delineated in grids sitewide. After soil removal, PCBs verification samples were collected at the bottom of excavation. Additional excavation was performed if the verification samples results were above 2 ppm. The PCBs delineation maps showing the locations and intervals of PCB impacted soil are included as Figure 5. Contour maps of estimated cut and fill thicknesses for remedial activities at the site are included in Figure 7.

4.3.2.1 Disposal Details

Waste characterization was performed at the Site on October 23 and 24, 2017, a total of 6 borings were installed to the depth of 20 ft bgs. Soil samples were collected at each boring at the 0 to 5 feet, 5 to 10 feet, and 10 to 20 feet intervals and analyzed for Toxicity Characteristic Leaching Procedure (TCLP) Metals, TAL Metals, total cyanide, TCL VOCs, TCL SVOCs, PCB, pesticides, Hex Chromium, Total Petroleum Hydrocarbons (TPH) – DRO, ignitibility, corrosivity, and reactivity. Between March 27, 2019 and May 6, 2019, additional 5 composite samples were collected by YU and tested for PCBs according to the disposal facility's request. A summary of the samples collected to characterize the waste, and associated analytical results are summarized on Figure 3 and Tables 3, 4, 6.

As per disposal facility's request for further delineation of the PCB impacted soil (PCB concentration over 2 ppm but less than 50 ppm) of the Site, additional PCB delineation sampling was conducted by YU between March 26, 2018 and May 6, 2019. Soil samples were collected either from soil borings or immediately after soil removal at the 0 to 3 feet, 3 to 5 feet, 5 to 10 feet, and 10 to 20 feet intervals. Soil samples collected from these intervals were analyzed to see if the PCBs concentrations exceed 2 mg/kg. If PCBs concentrations exceeded, then soil samples from the subsequent interval were analyzed until PCBs concentrations in soil were detected below 2 ppm to delineate the vertical extent of PCB contamination. A total of 48 PCB delineation samples were collected. The PCBs delineation maps showing the locations of the additional PCB delineation samples and the areas and intervals of PCB impacted soil are included in the Figure 4 and 5. The sampling results of the additional PCB delineation samples are summarized in Table 5. The raw analytical laboratory data of additional PCB delineation samples is included in Appendix K.

Letters from Applicants to disposal facility owners and acceptance letters from disposal facility owners are attached in Appendix L.

Between March 29 and June 11, 2019, approximately 2033 tons of PCB impacted soil was transported off-site by EarthEfficient and disposed of at Waste Management Fairless facility at Moorisville, PA. Table 2 shows the total quantities of each category of material removed from the site and the disposal locations.

Manifests and bills of lading are included in electronic format in Appendix L.

4.3.3 TCE/PCE Contaminated Soil/Fill Removal

Between May 9 and July 16, 2019, TCE/ PCE contaminated soil/fill from the Site was excavated, stockpiled or directly loaded onto trucks by DREX. The area of TCE/PCE contaminated soil/fill is sitewide. After soil removal the entire site was excavated to groundwater level, which is approximately 18 ft bgs. Over-excavation was performed if the end-point samples failed to achieve the Track 1 SCOs and excavation bottom was extended to 3 feet below groundwater level. Contour maps of estimated cut and fill thicknesses for remedial activities at the site are included in Figure 7.

4.3.3.1 Contained-In Determination Request

On July 3, 2019, YU submitted Contained-In Determination Requests to Henry Wilkie, Assistant Engineer, Division of Material Management, concerning the TCE/PCE contaminated soil onsite. The reports summarized the results of soil sampling conducted at the Site for NYSDEC's review. In the NYSDEC approval letter, soil on site below from

10 ft to 20 ft bgs did not have to be managed as hazardous waste when transported to a permitted solid waste landfill with a liner and leachate collection system. The contain-in request determinations are included in Appendix M.

4.3.3.2 Disposal Details

Waste characterization was performed at the Site on October 23 and 24, 2017, a total of 6 borings were installed to the depth of 20 ft bgs. Soil samples were collected at each boring at the 0 to 5 feet, 5 to 10 feet, and 10 to 20 feet intervals and analyzed for Toxicity Characteristic Leaching Procedure (TCLP) Metals, TAL Metals, total cyanide, TCL VOCs, TCL SVOCs, PCB, pesticides, Hex Chromium, Total Petroleum Hydrocarbons (TPH) – DRO, ignitibility, corrosivity, and reactivity. A summary of the samples collected to characterize the waste, and associated analytical results are summarized on Figure 3 and Tables 3, 4.

Letters from Applicants to disposal facility owners and acceptance letters from disposal facility owners are attached in Appendix L.

Between March 29 and June 11, 2019, approximately 2674 tons of TCE/PCE contaminated soil was transported off-site by EarthEfficient and disposed of at Greenview facility at Stroudsburg, PA and BTL facility at Pocono Summit, PA; and 4,060 cubic yards (approximately 5,684 tons) of TCE/PCE contaminated soil was transported off-site by EarthEfficient and disposed of at Rodota facility at Belvidere, NJ, and Hoffman Griffett Quarry facility at Belvidere, NJ. Table 2 shows the total quantities of each category of material removed from the site and the disposal locations.

Manifests and bills of lading are included in electronic format in Appendix L.

4.3.4 Dewatering

Groundwater was encountered while excavating the heel block pit for SOE installation and the elevator pit. During remedial activities, groundwater was pumped from the excavation pit directly into a 10,000-gallon storage tank and a 20,000-gallon storage tank by DREX. The groundwater in the storage tank was then pumped by Clean Harbors using 5,000-gallon pump truck and transferred for off-site disposal.

4.3.4.1 Contained-In Determination Request

Every time prior to groundwater disposal, YU submitted a Contained-In Determination Request to Henry Wilkie, Assistant Engineer, Division of Material Management, for the groundwater onsite. The report summarized the results of groundwater sampling conducted from the storage tank for NYSDEC's review. In the

NYSDEC determination letters, the purged groundwater does not need to be managed as hazardous waste when transported to a permitted disposal facility. The contain-in request determinations are included in Appendix M.

4.3.4.2 Disposal Details

Between June 14 and December 27, 2019, approximately 204,198 gallons of groundwater was removed and disposed of off-site at Clean Water of New York in Staten Island, NY. Table 2 shows the total quantities of each category of material removed from the site, the transporter's name and license number, and the disposal locations. Manifests and bills of lading are included in electronic format in Appendix L.

4.3.5 Groundwater Chemical Treatment

After soil removal to the groundwater level, in situ chemical reduction by using zero valent iron (ZVI) powders was implemented to treat groundwater in between June 10 and July 16, 2019. The reduction chemical treatment reagent ZVI powders were placed at the bottom of the excavation that extend to the 2 feet below water table and intermixed with the saturated soils by backhoes to promote reduction of the residual impacts of CVOCs (TCE and PCE) in the groundwater. The area of saturated soil that had been treated is approximately 8,700 sq ft, and a total of 7,700 lbs of ZVI powder were intermixed with the saturated soil.

Chlorinated VOCs (CVOCs) and PCBs levels in groundwater were monitored quarterly after remedial action. A network of five groundwater monitoring wells are installed to monitor up-gradient, on-site, side-gradient, and downgradient groundwater conditions at the Site. The location of the five monitoring wells is shown in Appendix N. Based on the groundwater sample results dated September 27, 2019 and June 23, 2020, the residue CVOCs levels in groundwater are relatively low in most of monitoring wells. However, the groundwater samples collected from southeast corner of the Site indicated relatively higher levels of CVOCs. Table and Figure summarize the results of all groundwater samples at the site after completion of Remedial Action that exceed the TOGS Class GA criteria are included in Appendix N. If bulk reduction of the groundwater contaminant cannot be achieved, additional chemical injection events will be conduct as necessary.

4.4 REMEDIAL PERFORMANCE/DOCUMENTATION SAMPLING

Following the removal of impacted soils from the subject property, an end-point sampling program was implemented. The end-point samples are to demonstrate that the

remedy has achieved the Track 1 UUSCOs. The following subsections detail the end-point sampling program for soil.

4.4.1 End-Point Sampling Frequency

End-point soil sample included one sample collected from the bottom 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. A total of 24 end-point soil samples (WEP-1 to WEP-24) were collected from the bottom of excavation, of which the elevation is approximately el. -2.0. The end-point soil sample locations are shown in Figure 8 – End-point Sample Location Map.

In addition to the end-point soil samples required by NYSDEC DER-10, a PCB cleanup verification sampling approved by EPA was performed in accordance with 40 CFR Part 761 Subpart O – Sampling to Verify Completion of Self-Implementing Cleanup and On-site Disposal of Bulk PCB Remediation Waste and Porous Surfaces in Accordance with 761.61(a)(6). Site-wide sampling was conducted using a 20 ft by 16 ft foot grid spacing between each sample. For those end-point samples and PCBs verification samples located next to each other, they were consolidated as one sample. A total of 35 PCBs verification samples were collected from the bottom of excavation. The end-point soil sample locations are shown in Figure 9 – PCB Verification Sample Location Map.

For hotspot excavation areas, one end-point sample was collected at each hotspot excavation area after three-foot over-excavation. The over-excavation end-point sampling map is presented in Figure 10.

Over-excavation was performed in the vicinity of several end-point sample and PCBs verification sample locations to achieve Track 1 SCOs. Over-excavation samples were collected 1-3 foot below the correspondent sample points. The over-excavation areas are shown in Figure 6 and the over-excavation sampling map is included as Figure 10.

4.4.2 Methodology

Per NYSDEC DER-10, end-point samples were collected using the grab sampling method. For collection of volatile organic compound samples, samples were collected from zero to six-inch interval at the excavation floor within 24 hours of excavation, or from six to twelve inches after 24 hours. No water was present in the excavation bottom where bottom samples are collected. Samples were collected with laboratory-supplied, precleaned sample containers, placed in storage/transportation coolers, preserved with ice, kept at the temperature of approximately 4°C, and shipped under proper chain of custody procedures

to Alpha Analytical Laboratory for analysis. End-point soil samples were analyzed using the following analytical methods;

- TCL VOCs by USEPA Method 8260;
- TCL SVOCs by USEPA Method 8270;
- Pesticides by USEPA Method 8081;
- PCBs by USEPA Method 8082;
- TAL metals by USEPA Method 6010/7473.

Based on the Self-Implementing On-site Cleanup and Disposal of PCB Remediation Waste (SIP) prepared by Airtek Environmental Corporation dated September 8, 2016, PCBs verification samples were collected at the excavation bottom using a core sampler with a diameter between 2 cm and 3 cm to a maximum depth of three inches. At least 20 milliliters of waste, or a portion of sufficient weight for the chemical analyst to measure the concentration of PCBs and still have sufficient analytical detection sensitivity to reproducibly measure PCBs at the levels designated in Part 761.61(a)(4), was collected at each selected sampling location. Samples were composited for analysis in accordance with 40 CFR Part 761.289. The verification samples were collected with laboratory-supplied, pre-cleaned sample containers, placed in storage/transportation coolers, preserved with ice, kept at the temperature of 4°C, and shipped under proper chain of custody procedures to Alpha Analytical Laboratory for analysis. Samples were analyzed for PCBs by Alpha Analytical Laboratory.

For the hotspot areas, samples were collected using grab sampling methods and were analyzed for TCE and PCE by Alpha Analytical. For over-excavation areas, samples were grab collected and analyzed for PCBs by Alpha Analytical.

4.4.3 Results

Based on the end-point and the verification samples analytical results, no VOCs, SVOCs, Pesticides, PCBs, and Metals were exceeding the Unrestricted Use SCOs. The analytical data were submitted to NYSDEC in complete Analytical Services Protocol (ASP) Category B deliverables, and also in the standardized Electronic Data Deliverable (EDD) EQuIS format. Tables and figures summarizing all end-point sampling locations, depths and results is included in Table 7 to 11 and Figure 8, 10, respectively. The raw analytical laboratory data is included in Appendix K.

4.4.4 QA/QC

Samples were analyzed by Alpha Analytical Laboratory pursuant to the NYSDOH ELAP for the category of parameters. Each set of samples were analyzed concurrently with method blanks, matrix spikes (MS), matrix spike duplicates (MSD), and laboratory duplicates. The MS/MSD samples were designated by the field personnel. The details of QA/QC procedures are provided in the Quality Assurance Project Plan, included as Appendix I of the March 2019 RAWP. Acetone was detected in several end-point soil samples with maximum detected concentration of 0.44 ppm marginally exceeding the UUSCO of 0.05 ppm. Acetone is a common laboratory contaminant; therefore, the detections of Acetone e in soil samples can be attributed to cross-contamination from the lab.

4.4.5 DUSR

The accuracy and the precision of the analytical results were evaluated by a qualified, independent, data validation specialist. A Data Usability Summary Report (DUSR) was prepared for all data generated in this remedial performance evaluation program in the compliance of the NYSDEC ASP. The DUSR includes the determination of whether the data meets the project-specific criteria for quality and data use. These DUSRs are included in Appendix O, and associated raw is provided electronically in Appendix K. The DUSR validation will be completed and submitted in accordance with NYSDEC's DER-10. Overall the data is acceptable for the intended purposes as qualified for the deficiencies detailed in the DUSR reports, the following data has minor rejections:

Benzoic acid in serval samples was rejected due to severely low MS/MSD recovery. Benzoic acid was not detected in all these samples, therefore it does not affect the overall data usability.

4.5 IMPORTED BACKFILL

4.5.1 ASTM #57 Stone

The ASTM #57 stone was imported from Tilcon New York Inc in West Nyack, NY for construction of the cover system and as the backfill for the over-excavation area and the northern 3-foot SOE setback area. Prior to bringing the material, specification of the stone was provided to the NYSDEC project manager for review and approval. The specification is attached in Appendix P. A figure showing the site locations where backfill was used at the site is shown in Figure 12.

4.6 CONTAMINATION REMAINING AT THE SITE

Based on the soil end-point sample results, the Track 1 Unrestricted Use Soil Cleanup Objectives were achieved. Remaining contamination at the Site includes the groundwater located beneath the cover system, of which the elevation is approximately el. -2.0. The contaminant compounds identified in the groundwater are CVOCs, a post-remediation groundwater monitoring event have been conducted to evaluate the remaining contamination level.

Table and Figure summarize the results of all groundwater samples at the site after completion of Remedial Action that exceed the TOGS Class GA criteria are included in Appendix N.

Since contaminated groundwater remains beneath the site after completion of the Remedial Action, Institutional and Engineering Controls are required to protect human health and the environment. These Engineering and Institutional Controls (ECs/ICs) are described in the following sections. Long-term management of these EC/ICs and residual contamination will be performed under the Site Management Plan (SMP) approved by the NYSDEC.

4.7 VAPOR MITIGATION

Residual COCs remain in soil vapor and groundwater; therefore, a vapor mitigation consisting of a vapor barrier membrane and sub-grade ventilation system incorporated into the building. These systems are contingency measures until groundwater performance monitoring demonstrates the Track 1 remedy is achieved.

4.7.1 Vapor Barrier Membrane

Though not an element of the remedy, a continuous vapor barrier membrane was installed along the subsurface foundation walls and beneath the entire mat foundation slab by DREX in between July 11 and December 29, 2019. GCP Preprufe® 160R and Bituthene® Liquid Membrane were installed on the exterior of the foundation walls from bottom of excavation to the street level, and GCP Preprufe® 300R was installed along the elevator pit and underneath the foundation slab. Approximately 8,910 square feet (sq ft) of GCP Preprufe® 300R, 3,238 sq ft of GCP Preprufe® 160R and 3,238 sq ft of GCP Bituthene® 3000 have been installed at the Site. Penetrations including pipes and groundwater monitoring wells have been sealed with 6-inch overlap. The vapor barrier membrane was installed to protect against VOC intrusion to the site building from residual on-site and potential off-site sources.

4.7.2 Sub-grade Ventilation System

Though not an element of the remedy, the sub-grade ventilation system will be constructed in the cellar and operated in accordance with the New York City Mechanical Code Section 404.2. The ventilated cellar provides a level of protection from potential accumulation of vapors migrating from underlying soil in the cellar areas in the unlikely event of a breach of the building slab. The fans will be installed, operated, and maintained in accordance with New York City Mechanical Code. The details of the sub-grade ventilation system are shown on the DOB-approved mechanical drawings (Appendix Q).

4.8 SOIL VAPOR INTRUSION EVALUATION

The source of soil vapor had been removed through on-site soil removal to the groundwater level. Groundwater was treated by mixing with chemical reduction reagent ZVI powder. The vapor barrier membrane was installed to protect against VOC intrusion to the site building from residual on-site and potential off-site sources, and the sub-grade ventilation system will be constructed in the cellar to provide a level of protection from potential accumulation of vapors migrating from underlying soil in the garage areas in the unlikely event of a breach of the building slab. Therefore, soil vapor RAOs have been achieved and soil vapor intrusion evaluation is not required

4.9 OTHER ENGINEERING CONTROLS

Since remaining contaminated groundwater exists beneath the site, Engineering Controls (EC) are required to protect human health and the environment. The site has the following primary Engineering Controls, as described in the following subsections.

4.9.1 Groundwater Chemical Treatment

Chlorinated VOCs (CVOCs) and PCBs levels in groundwater will be monitored quarterly after mixing the ZVI powder into the groundwater. A network of five groundwater monitoring wells is used to monitor up-gradient, on-site, side-gradient, and down-gradient groundwater conditions at the Site. The location of the five monitoring wells is shown in Appendix N. A monitoring plan for groundwater has been provided in the Operation and Maintenance Plan in Section 4 of the Site Management Plan (SMP). The Monitoring Plan also addresses inspection procedures that must occur after any severe weather condition has taken place that may affect on-site ECs.

Based on groundwater monitoring results dated September 11, 2019 and June 23, 2020, the residue CVOCs levels in groundwater are relatively low in most of monitoring

wells. However, the groundwater samples collected from southeast corner of the Site indicated relatively higher levels of CVOCs. If groundwater monitoring does not reveal bulk reduction of groundwater contaminant, in-situ chemical injection will be conducted to achieve groundwater RAOs

4.9.2 Permeable Reactive Barrier

On-site groundwater contamination was remediated through site-wide in-situ chemical reduction, potential groundwater contamination off-site migration was prevented by installing the permeable reactive barriers (PRB). Upon the completion of soil excavation, the PRBs were installed as continuous trenches with ZVI powder mixed with on-site soil along each perimeter of the property boundary to prevent groundwater contamination from migrating off-site.

The permeable reactive barriers were 3-foot in width and up to 5 foot in depth, and were setback 8 feet from the shoring according to the SOE engineer's requirements. The trench was excavated to the practical extent based on the SOE design, which is up to 5 feet below groundwater level. Locations of the trenches are shown in Figure 11. The estimated quantity of saturated soil within the reactive barrier is about 165 cubic yards. The mixing weight ratio of iron to soil is 0.004. Approximately 1,980 lbs of ZVI powders were intermixed with the saturated soils within the trenches. The ZVI powders were directly sprayed on the bottom of the trenches and mixed with up to 5 feet of soils using backhoes.

4.10 INSTITUTIONAL CONTROLS

Pending NYSDEC's determination that the Track 1 remedy has been achieved, an environmental easement has been placed on the property to (1) implement, maintain and monitor the Engineering Controls; (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and, (3) limit the use and development of the site to restricted-residential, commercial, and industrial uses only.

The environmental easement for the site was granted by NYSDEC on November 3, 2020 and was with the Queens County Clerk on November 18, 2020. The County Recording Identifier number is 2020000327796. A copy of the easement and proof of filing is provided in Appendix C. Per the NYSDEC Decision Document (March 2019), in the event that the groundwater remedial action objectives are not achieved, contingent remedial elements will be required. If bulk reduction of groundwater contamination is not achieved within 5 years, the Institutional Controls will become a permanent element of the remedy.

4.11 DEVIATIONS FROM THE REMEDIAL ACTION WORK PLAN

Relocation of Injection Wells

During the remediation process, one groundwater monitoring well (W-MW-5) was relocated to the southeast corner of the Site and was extended from the basement level to the ground level. The relocation and well extension were discussed with and approved by NYSDEC project manager. The original requirement of injection well locations can be seen in Figure 15 of the March 2019 RAWP. The as-built locations of the wells are shown in Appendix N.

Vapor Barrier on Northern Foundation Wall

GCP Bituthene® 3000 Membrane was installed on the northern and western foundation wall instead of GCP Preprufe® 160R due to construction sequence change. The change was discussed with and approved by NYSDEC project manager. The specification of GCP Bituthene® 3000 Membrane is included in Appendix R.

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Table 1
Soil Cleanup Objectives
131-24 Avery Avenue
Queens, NY 11355
Project No. 17116

Contaminant	CAS Number	Unrestricted Use	Residential Use
Metals			
Arsenic	7440-38-2	13	16
Barium	7440-39-3	350	350
Beryllium	7440-41-7	7.2	14
Cadmium	7440-43-9	2.5	2.5
Chromium, hexavalent	18540-29-9	1	22
Chromium, trivalent	16065-83-1	30	36
Cobalt	7440-48-4	30	30
Copper	7440-50-8	50	270
Total Cyanide		27	27
Iron	7439-89-6	2000	2000
Lead	7439-92-1	63	400
Manganese	7439-96-5	1600	2000
Total Mercury		0.18	0.81
Nickel	7440-02-0	30	140
Selenium	7782-49-2	3.9	36
Silver	7440-22-4	2	36
Vanadium	7440-62-2	100	100
Zinc	7440-66-6	109	2200
PCBs/Pesticides			
2,4,5-TP Acid (Silvex)	93-72-1	3.8	58
4,4'-DDE	72-55-9	0.0033	1.8
4,4'-DDT	50-29-3	0.0033	1.7
4,4'-DDD	72-54-8	0.0033	2.6
Aldrin	309-00-2	0.005	0.019
alpha-BHC	319-84-6	0.02	0.097
beta-BHC	319-85-7	0.036	0.072
Chlordane (alpha)	5103-71-9	0.094	0.91
delta-BHC	319-86-8	0.04	100
Dibenzofuran	132-64-9	7	14
Dieldrin	60-57-1	0.005	0.039
Endosulfan I	959-98-8	2.4	4.8
Endosulfan II	33213-65-9	2.4	4.8
Endosulfan sulfate	1031-07-8	2.4	4.8
Endrin	72-20-8	0.014	2.2
Heptachlor	76-44-8	0.042	0.42
Lindane	58-89-9	0.1	0.28
Polychlorinated biphenyls	1336-36-3	0.1	1
Semivolatile Organic Compounds (SVOCs)			
Acenaphthene	83-32-9	20	100
Acenapthylene	208-96-8	100	100
Anthracene	120-12-7	100	100
Benz(a)anthracene	56-55-3	1	1

Table 1
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Contaminant	CAS Number	Unrestricted Use	Residential Use
Benzo(a)pyrene	50-32-8	1	1
Benzo(b)fluoranthene	205-99-2	1	1
Benzo(g,h,i)perylene	191-24-2	100	100
Benzo(k)fluoranthene	207-08-9	0.8	1
Chrysene	218-01-9	1	1
Dibenz(a,h)anthracene	53-70-3	0.33	0.33
Fluoranthene	206-44-0	100	100
Fluorene	86-73-7	30	100
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	0.5
m-Cresol	108-39-4	0.33	100
Naphthalene	91-20-3	12	100
o-Cresol	95-48-7	0.33	100
p-Cresol	106-44-5	0.33	34
Pentachlorophenol	87-86-5	0.8	2.4
Phenanthrene	85-01-8	100	100
Phenol	108-95-2	0.33	100
Pyrene	129-00-0	100	100
Volatile Organic Compounds (VOCs)			
1,1,1-Trichloroethane	71-55-6	0.68	100
1,1-Dichloroethane	75-34-3	0.27	19
1,1-Dichloroethene	75-35-4	0.33	100
1,2-Dichlorobenzene	95-50-1	1.1	100
1,2-Dichloroethane	107-06-2	0.02	2.3
cis-1,2-Dichloroethene	156-59-2	0.25	59
trans-1,2-Dichloroethene	156-60-5	0.19	100
1,3-Dichlorobenzene	541-73-1	2.4	17
1,4-Dichlorobenzene	106-46-7	1.8	9.8
1,4-Dioxane	123-91-1	0.1	9.8
Acetone	67-64-1	0.05	100
Benzene	71-43-2	0.06	2.9
n-Butylbenzene	104-51-8	12	100
Carbon tetrachloride	56-23-5	0.76	1.4
Chlorobenzene	108-90-7	1.1	100
Chloroform	67-66-3	0.37	10
Ethylbenzene	100-41-4	1	30
Hexachlorobenzene	118-74-1	0.33	0.33
Methyl ethyl ketone	78-93-3	0.12	100
Methyl tert-butyl ether	1634-04-4	0.93	62
Methylene chloride	75-09-2	0.05	51
n-Propylbenzene	103-65-1	3.9	100
sec-Butylbenzene	135-98-8	11	100
tert-Butylbenzene	98-06-6	5.9	100
Tetrachloroethene	127-18-4	1.3	5.5

Table 1
Soil Cleanup Objectives
131-24 Avery Avenue
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Project No. 17116

Contaminant	CAS Number	Unrestricted Use	Residential Use
Toluene	108-88-3	0.7	100
Trichloroethene	79-01-6	0.47	10
1,2,4-Trimethylbenzene	95-63-6	3.6	47
1,3,5-Trimethylbenzene	108-67-8	8.4	47
Vinyl chloride	75-01-4	0.02	0.21
Xylene (mixed)	1330-20-7	0.26	100

Notes:
1. The Soil Cleanup Objectives (SCOs) are obtained from 6 NYCRR Part 375 Table 6.8(a) and 6.8(b), and CP-51 Table 1.
2. All soil cleanup objectives are in parts per million (ppm).
3. Soil exceedances of Unrestricted Use SCOs were detected for VOCs (trichloroethene, acetone, and 2-butanone), polycyclic aromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs), and metals (iron, lead, copper, barium, vanadium, mercury, zinc, and nickel).
4. Soil exceedances of Residential Use SCOs were detected for Chlorinated VOCs (trichloroethene), PAHs, PCBs, and metals (iron, lead, copper, barium, and vanadium).

Table 2
Offsite Soil/Waste Disposal Volumes and Facilities
131-24 Avery Avenue, Flushing, NY
Project No. 17116

Date	Manifest Number	Transporter	Truck Number	Plate Number	Material	Quantity	Facility
5/14/2018	018810323JJK	U.S. Bulk Transport	90910	AF67993	TSCA PCB Soil	23.26 Ton	Wayne Disposal, Inc. Belleville, MI
5/14/2018	018810328JJK	U.S. Bulk Transport	1672	24374PC	TSCA PCB Soil	28.9 Ton	Wayne Disposal, Inc. Belleville, MI
5/14/2018	018810331JJK	U.S. Bulk Transport	1217	PVS1036	TSCA PCB Soil	23.48 Ton	Wayne Disposal, Inc. Belleville, MI
5/14/2018	018810326JJK	U.S. Bulk Transport	26	AG24989	TSCA PCB Soil	22.66 Ton	Wayne Disposal, Inc. Belleville, MI
5/14/2018	018810321JJK	U.S. Bulk Transport	107	AF37310	TSCA PCB Soil	21.59 Ton	Wayne Disposal, Inc. Belleville, MI
5/14/2018	018810324JJK	U.S. Bulk Transport	144	AF37327	TSCA PCB Soil	25.21 Ton	Wayne Disposal, Inc. Belleville, MI
5/14/2018	018810325JJK	U.S. Bulk Transport	176	AF91786	TSCA PCB Soil	24.85 Ton	Wayne Disposal, Inc. Belleville, MI
5/14/2018	018810332JJK	U.S. Bulk Transport	90930	AG37066	TSCA PCB Soil	23.43 Ton	Wayne Disposal, Inc. Belleville, MI
5/14/2018	018810329JJK	U.S. Bulk Transport	525	A558120	TSCA PCB Soil	26.54 Ton	Wayne Disposal, Inc. Belleville, MI
5/14/2018	018810327JJK	U.S. Bulk Transport	28	AG37719	TSCA PCB Soil	20.06 Ton	Wayne Disposal, Inc. Belleville, MI
5/14/2018	018810330JJK	U.S. Bulk Transport	29	AG43673	TSCA PCB Soil	22.71 Ton	Wayne Disposal, Inc. Belleville, MI
5/14/2018	018810320JJK	U.S. Bulk Transport	29	AF58510	TSCA PCB Soil	22.98 Ton	Wayne Disposal, Inc. Belleville, MI
5/14/2018	018810322JJK	U.S. Bulk Transport	129	AG37064	TSCA PCB Soil	22.27 Ton	Wayne Disposal, Inc. Belleville, MI
5/16/2018	018807142JJK	EPIC	57453	2687075	TSCA PCB Soil	18.14 Ton	Wayne Disposal, Inc. Belleville, MI
5/16/2018	018807141JJK	EPIC	142	2687076	TSCA PCB Soil	24.19 Ton	Wayne Disposal, Inc. Belleville, MI
5/16/2018	018810356JJK	EPIC	57453	2687075	TSCA PCB Soil	23.34 Ton	Wayne Disposal, Inc. Belleville, MI
5/16/2018	018810357JJK	EPIC	142	2687076	TSCA PCB Soil	21.59 Ton	Wayne Disposal, Inc. Belleville, MI
5/17/2018	018810185JJK	Horwith Trucking	422	AG00478	TSCA PCB Soil	26.35 Ton	Wayne Disposal, Inc. Belleville, MI
5/17/2018	018810184JJK	Horwith Trucking	421	AG59157	TSCA PCB Soil	27 Ton	Wayne Disposal, Inc. Belleville, MI
5/21/2018	018810190JJK	US Bulk Transport	176	AF91786	TSCA PCB Soil	28.09 Ton	Wayne Disposal, Inc. Belleville, MI
5/21/2018	018810191JJK	PAGE ETC	8162	24374PC	TSCA PCB Soil	27.81 Ton	Wayne Disposal, Inc. Belleville, MI
5/21/2018	018810192JJK	PAGE ETC	6923	53946PC	TSCA PCB Soil	26.21 Ton	Wayne Disposal, Inc. Belleville, MI
5/21/2018	018810194JJK	US Bulk Transport	1217	PVS1036	TSCA PCB Soil	25.19 Ton	Wayne Disposal, Inc. Belleville, MI
5/21/2018	018810193JJK	PAGE ETC	6654	7608	TSCA PCB Soil	25.46 Ton	Wayne Disposal, Inc. Belleville, MI
5/21/2018	018810188JJK	US Bulk Transport	107	AF37310	TSCA PCB Soil	23.46 Ton	Wayne Disposal, Inc. Belleville, MI
5/21/2018	018810195JJK	PAGE ETC	5344	1320	TSCA PCB Soil	24.36 Ton	Wayne Disposal, Inc. Belleville, MI
5/21/2018	018810197JJK	PAGE ETC	1293647	0105	TSCA PCB Soil	24.12 Ton	Wayne Disposal, Inc. Belleville, MI
5/21/2018	018810189JJK	US Bulk Transport	144	AF37327	TSCA PCB Soil	26.28 Ton	Wayne Disposal, Inc. Belleville, MI
5/21/2018	018810198JJK	M-Powers Trucking	26	AG24989	TSCA PCB Soil	19.98 Ton	Wayne Disposal, Inc. Belleville, MI
5/21/2018	018810187JJK	Horwith Trucking	422	AG00478	TSCA PCB Soil	23.3 Ton	Wayne Disposal, Inc. Belleville, MI
5/21/2018	018810186JJK	Horwith Trucking	421	AG59157	TSCA PCB Soil	16.99 Ton	Wayne Disposal, Inc. Belleville, MI
3/29/2019	7945989	RB Debris	704	AU336U	PCB Impacted Soil	20.82 Ton	Fairless, Morrisville, PA
3/29/2019	7945993	DoingItRight	45	AU476A	PCB Impacted Soil	25.65 Ton	Fairless, Morrisville, PA
3/29/2019	7945992	DoingItRight	26	AS590V	PCB Impacted Soil	26.31 Ton	Fairless, Morrisville, PA
3/29/2019	7945994	DoingItRight	48	AT864X	PCB Impacted Soil	22.83 Ton	Fairless, Morrisville, PA
3/29/2019	7945995	DoingItRight	40	AU764T	PCB Impacted Soil	21.32 Ton	Fairless, Morrisville, PA
3/29/2019	7945997	DoingItRight	23	AT566K	PCB Impacted Soil	23.61 Ton	Fairless, Morrisville, PA
3/29/2019	7945996	DoingItRight	49	AU387R	PCB Impacted Soil	24.97 Ton	Fairless, Morrisville, PA
3/29/2019	7945998	DoingItRight	51	AS527T	PCB Impacted Soil	22.21 Ton	Fairless, Morrisville, PA
3/29/2019	7945991	DoingItRight	22	AU472A	PCB Impacted Soil	33.38 Ton	Fairless, Morrisville, PA
3/29/2019	7945990	DoingItRight	54	AU747T	PCB Impacted Soil	28.2 Ton	Fairless, Morrisville, PA
4/1/2019	7946000	TEV Trucking	2	AR237E	PCB Impacted Soil	25.15 Ton	Fairless, Morrisville, PA
4/1/2019	7945999	TEV Trucking	7	AT942T	PCB Impacted Soil	20.85 Ton	Fairless, Morrisville, PA
4/3/2019	012735709FLE	DI Trucking	38	AU743M	TSCA PCB Soil	25.25 Ton	Clean Harbors, Waynoka, OK

Table 2
Offsite Soil/Waste Disposal Volumes and Facilities
131-24 Avery Avenue, Flushing, NY
Project No. 17116

Date	Manifest Number	Transporter	Truck Number	Plate Number	Material	Quantity	Facility
4/3/2019	012735710FLE	DI Trucking	39	AU744M	TSCA PCB Soil	25.14 Ton	Clean Harbors, Waynoka, OK
4/3/2019	012735711FLE	DI Trucking	38	AU743M	TSCA PCB Soil	25.96 Ton	Clean Harbors, Waynoka, OK
4/3/2019	012735712FLE	DI Trucking	39	AU744M	TSCA PCB Soil	24.71 Ton	Clean Harbors, Waynoka, OK
4/5/2019	7946002	DI Trucking	16	AS839K	PCB Impacted Soil	21.24 Ton	Fairless, Morrisville, PA
4/5/2019	7946001	DI Trucking	18	AS159M	PCB Impacted Soil	23.86 Ton	Fairless, Morrisville, PA
4/5/2019	7946003	DI Trucking	19	AS811S	PCB Impacted Soil	24.1 Ton	Fairless, Morrisville, PA
4/5/2019	7946006	Manolos	4	AR498D	PCB Impacted Soil	19.74 Ton	Fairless, Morrisville, PA
4/5/2019	7946004	DI Trucking	8	AR804C	PCB Impacted Soil	24.69 Ton	Fairless, Morrisville, PA
4/5/2019	7946005	DI Trucking	15	AS838K	PCB Impacted Soil	23.14 Ton	Fairless, Morrisville, PA
4/5/2019	7946009	Manolos	9	AS874P	PCB Impacted Soil	18.93 Ton	Fairless, Morrisville, PA
4/5/2019	7946007	Manolos	06	AR497D	PCB Impacted Soil	20.66 Ton	Fairless, Morrisville, PA
4/5/2019	7946008	Manolos	5	AP414M	PCB Impacted Soil	21.88 Ton	Fairless, Morrisville, PA
4/5/2019	7946010	Manolos	6	AR492G	PCB Impacted Soil	19.16 Ton	Fairless, Morrisville, PA
4/5/2019	7946013	TEV Trucking	2	AR237E	PCB Impacted Soil	18.92 Ton	Fairless, Morrisville, PA
4/5/2019	7946011	TEV Trucking	7	AT942T	PCB Impacted Soil	16.44 Ton	Fairless, Morrisville, PA
4/5/2019	7946014	TEV Trucking	3	AT941T	PCB Impacted Soil	21.43 Ton	Fairless, Morrisville, PA
4/5/2019	7946012	TEV Trucking	11	AR493G	PCB Impacted Soil	18.95 Ton	Fairless, Morrisville, PA
4/11/2019	7946016	DoingItRight	49	AS401R	PCB Impacted Soil	24.58 Ton	Fairless, Morrisville, PA
4/11/2019	7946025	JMJ Pro Carrier	5	AS267R	PCB Impacted Soil	26.4 Ton	Fairless, Morrisville, PA
4/11/2019	7946015	L&Y Enterprises	31	AT613Y	PCB Impacted Soil	25.22 Ton	Fairless, Morrisville, PA
4/11/2019	7946024	JMJ Pro Carrier	10	AT275F	PCB Impacted Soil	23.47 Ton	Fairless, Morrisville, PA
4/11/2019	7946027	JMJ Pro Carrier	12	AT376P	PCB Impacted Soil	24.65 Ton	Fairless, Morrisville, PA
4/11/2019	7946017	DoingItRight	22	AU472A	PCB Impacted Soil	26.74 Ton	Fairless, Morrisville, PA
4/11/2019	7946028	JMJ Pro Carrier	11	AT395P	PCB Impacted Soil	26.99 Ton	Fairless, Morrisville, PA
4/11/2019	7946026	JMJ Pro Carrier	8	AS476V	PCB Impacted Soil	25.23 Ton	Fairless, Morrisville, PA
4/11/2019	7946029	JMJ Pro Carrier	17	AU451R	PCB Impacted Soil	24.18 Ton	Fairless, Morrisville, PA
4/11/2019	7946021	DoingItRight	28	AU383R	PCB Impacted Soil	25.38 Ton	Fairless, Morrisville, PA
4/11/2019	7946018	DoingItRight	30	AU480V	PCB Impacted Soil	24.34 Ton	Fairless, Morrisville, PA
4/11/2019	7946022	DoingItRight	54	AU747T	PCB Impacted Soil	25.49 Ton	Fairless, Morrisville, PA
4/11/2019	7946019	DoingItRight	32	AU544W	PCB Impacted Soil	22.54 Ton	Fairless, Morrisville, PA
4/11/2019	7946020	DoingItRight	29	AS593V	PCB Impacted Soil	24.81 Ton	Fairless, Morrisville, PA
4/11/2019	7946023	DoingItRight	36	AS600V	PCB Impacted Soil	25.25 Ton	Fairless, Morrisville, PA
4/11/2019	7946030	JMJ Pro Carrier	4	AS677F	PCB Impacted Soil	23.86 Ton	Fairless, Morrisville, PA
4/12/2019	7946031	Cunca Coroenl	13	AU883L	PCB Impacted Soil	22.7 Ton	Fairless, Morrisville, PA
4/12/2019	7946032	Cunca Coroenl	23	AU758A	PCB Impacted Soil	23.27 Ton	Fairless, Morrisville, PA
4/12/2019	7946033	Cunca Coroenl	21	AT324V	PCB Impacted Soil	22.59 Ton	Fairless, Morrisville, PA
4/12/2019	7946034	Cunca Coroenl	50	AS999D	PCB Impacted Soil	23.1 Ton	Fairless, Morrisville, PA
4/12/2019	7946035	Cunca Coroenl	55	AS597J	PCB Impacted Soil	23.01 Ton	Fairless, Morrisville, PA
4/12/2019	7946036	Cunca Coroenl	61	AS551R	PCB Impacted Soil	22.21 Ton	Fairless, Morrisville, PA
4/12/2019	7946038	Cunca Coroenl	27	AT686H	PCB Impacted Soil	21.91 Ton	Fairless, Morrisville, PA
4/12/2019	7946041	Cunca Coroenl	47	AS211A	PCB Impacted Soil	22.31 Ton	Fairless, Morrisville, PA
4/12/2019	7946037	Cunca Coroenl	71	AT399F	PCB Impacted Soil	20.66 Ton	Fairless, Morrisville, PA
4/12/2019	7946040	Cunca Coroenl	52	AS804E	PCB Impacted Soil	22.53 Ton	Fairless, Morrisville, PA
4/12/2019	7946043	Cunca Coroenl	56	AS715T	PCB Impacted Soil	21.18 Ton	Fairless, Morrisville, PA

Table 2
Offsite Soil/Waste Disposal Volumes and Facilities
131-24 Avery Avenue, Flushing, NY
Project No. 17116

Date	Manifest Number	Transporter	Truck Number	Plate Number	Material	Quantity	Facility
4/12/2019	7946042	Cunca Coroenl	38	AT383N	PCB Impacted Soil	22.06 Ton	Fairless, Morrisville, PA
4/12/2019	7946045	Cunca Coroenl	58	AS213L	PCB Impacted Soil	20.49 Ton	Fairless, Morrisville, PA
4/12/2019	7946044	Cunca Coroenl	48	AS725D	PCB Impacted Soil	21.02 Ton	Fairless, Morrisville, PA
4/12/2019	7946039	Cunca Coroenl	17	AT104E	PCB Impacted Soil	21.05 Ton	Fairless, Morrisville, PA
4/12/2019	7946046	Cunca Coroenl	24	AP576P	PCB Impacted Soil	22.51 Ton	Fairless, Morrisville, PA
4/12/2019	7946047	Cunca Coroenl	67	AS753X	PCB Impacted Soil	18.29 Ton	Fairless, Morrisville, PA
4/12/2019	7946048	Cunca Coroenl	54	AS208T	PCB Impacted Soil	21.38 Ton	Fairless, Morrisville, PA
4/12/2019	7946049	Cunca Coroenl	57	AS716J	PCB Impacted Soil	22.95 Ton	Fairless, Morrisville, PA
4/12/2019	7946050	Cunca Coroenl	51	AS100E	PCB Impacted Soil	20.73 Ton	Fairless, Morrisville, PA
4/15/2019	7946051	East Side Bulk Transport	802	AU317G	PCB Impacted Soil	25.29 Ton	Fairless, Morrisville, PA
4/15/2019	7946052	East Side Bulk Transport	800	AU745K	PCB Impacted Soil	19.95 Ton	Fairless, Morrisville, PA
4/15/2019	7946053	East Side Bulk Transport	803	AU964A	PCB Impacted Soil	23.33 Ton	Fairless, Morrisville, PA
4/15/2019	7946054	East Side Bulk Transport	804	AU564U	PCB Impacted Soil	21.99 Ton	Fairless, Morrisville, PA
4/16/2019	7946056	RB Debris	704	AU336U	PCB Impacted Soil	24.33 Ton	Fairless, Morrisville, PA
4/16/2019	7946055	RB Debris	707	AU594D	PCB Impacted Soil	21.65 Ton	Fairless, Morrisville, PA
4/16/2019	7946057	East Side Bulk Transport	802	AU317G	PCB Impacted Soil	26.29 Ton	Fairless, Morrisville, PA
4/16/2019	7946058	Della Rocca	226	60638PC	PCB Impacted Soil	22.22 Ton	Fairless, Morrisville, PA
4/16/2019	7946059	East Side Bulk Transport	808	AU745K	PCB Impacted Soil	21.72 Ton	Fairless, Morrisville, PA
4/16/2019	7946061	East Side Bulk Transport	804	AU564U	PCB Impacted Soil	24.69 Ton	Fairless, Morrisville, PA
4/16/2019	7946060	East Side Bulk Transport	803	AU964A	PCB Impacted Soil	24.84 Ton	Fairless, Morrisville, PA
4/16/2019	7946063	Cunca Coroenl	71	AT399F	PCB Impacted Soil	20.36 Ton	Fairless, Morrisville, PA
4/16/2019	7946062	RB Debris	711	AU598U	PCB Impacted Soil	24.43 Ton	Fairless, Morrisville, PA
4/16/2019	7946064	Cunca Coroenl	24	AP576P	PCB Impacted Soil	21.8 Ton	Fairless, Morrisville, PA
4/16/2019	7946065	Cunca Coroenl	58	AS213L	PCB Impacted Soil	20.26 Ton	Fairless, Morrisville, PA
4/16/2019	7946066	Cunca Coroenl	32	AT106E	PCB Impacted Soil	22.99 Ton	Fairless, Morrisville, PA
4/16/2019	7946067	Cunca Coroenl	65	AS469U	PCB Impacted Soil	22.83 Ton	Fairless, Morrisville, PA
4/16/2019	7946068	Cunca Coroenl	55	AS597J	PCB Impacted Soil	24.58 Ton	Fairless, Morrisville, PA
4/17/2019	7946069	East Side Bulk Transport	802	AU317G	PCB Impacted Soil	28.86 Ton	Fairless, Morrisville, PA
4/18/2019	7946073	East Side Bulk Transport	800	AU745K	PCB Impacted Soil	24.44 Ton	Fairless, Morrisville, PA
5/1/2019	012735719FLE	DI Trucking	38	AU743M	TSCA PCB Soil	25.62 Ton	Clean Harbors, Waynoka, OK
5/1/2019	012735720FLE	DI Trucking	39	AU744M	TSCA PCB Soil	24.73 Ton	Clean Harbors, Waynoka, OK
5/1/2019	012735721FLE	DI Trucking	38	AU743M	TSCA PCB Soil	28.17 Ton	Clean Harbors, Waynoka, OK
5/1/2019	012735722FLE	DI Trucking	39	AU744M	TSCA PCB Soil	31.51 Ton	Clean Harbors, Waynoka, OK
5/9/2019	55056	DI Trucking	25	AT320B	TCE/PCE Contaminated Soil/Fill	22.27 Ton	Greenview, Stroudsburg, PA
5/9/2019	55055	DI Trucking	31	AT873D	TCE/PCE Contaminated Soil/Fill	23.34 Ton	Greenview, Stroudsburg, PA
5/9/2019	55057	DI Trucking	1027	AT898W	TCE/PCE Contaminated Soil/Fill	22.79 Ton	Greenview, Stroudsburg, PA
5/9/2019	55058	DI Trucking	4	AT612A	TCE/PCE Contaminated Soil/Fill	21.69 Ton	Greenview, Stroudsburg, PA
5/9/2019	55060	DSM Trucking	28	AU342R	TCE/PCE Contaminated Soil/Fill	27.23 Ton	Greenview, Stroudsburg, PA
5/9/2019	55059	DI Trucking	26	AT238C	TCE/PCE Contaminated Soil/Fill	22.77 Ton	Greenview, Stroudsburg, PA
5/9/2019	55062	DSM Trucking	1	AS742U	TCE/PCE Contaminated Soil/Fill	25.99 Ton	Greenview, Stroudsburg, PA
5/9/2019	55054	DSM Trucking	10	AU537X	TCE/PCE Contaminated Soil/Fill	24.97 Ton	Greenview, Stroudsburg, PA
5/9/2019	55061	DSM Trucking	6	AU118F	TCE/PCE Contaminated Soil/Fill	26.96 Ton	Greenview, Stroudsburg, PA
5/9/2019	55063	DI Trucking	27	AT542C	TCE/PCE Contaminated Soil/Fill	27.15 Ton	Greenview, Stroudsburg, PA
5/9/2019	55053	DI Trucking	25	AT320B	TCE/PCE Contaminated Soil/Fill	26.79 Ton	Greenview, Stroudsburg, PA

Table 2
Offsite Soil/Waste Disposal Volumes and Facilities
131-24 Avery Avenue, Flushing, NY
Project No. 17116

Date	Manifest Number	Transporter	Truck Number	Plate Number	Material	Quantity	Facility
5/9/2019	55066	DI Trucking	4	AT612A	TCE/PCE Contaminated Soil/Fill	26.13 Ton	Greenview, Stroudsburg, PA
5/9/2019	55067	DI Trucking	31	AT873D	TCE/PCE Contaminated Soil/Fill	27.21 Ton	Greenview, Stroudsburg, PA
5/9/2019	55069	DI Trucking	26	AT238C	TCE/PCE Contaminated Soil/Fill	28.84 Ton	Greenview, Stroudsburg, PA
5/9/2019	55068	DSM Trucking	1027	AT898W	TCE/PCE Contaminated Soil/Fill	30.26 Ton	Greenview, Stroudsburg, PA
5/9/2019	55070	DSM Trucking	28	AU342R	TCE/PCE Contaminated Soil/Fill	29.31 Ton	Greenview, Stroudsburg, PA
5/9/2019	55072	DSM Trucking	10	AU537X	TCE/PCE Contaminated Soil/Fill	31.41 Ton	Greenview, Stroudsburg, PA
5/9/2019	55071	DSM Trucking	1	AS742U	TCE/PCE Contaminated Soil/Fill	28.95 Ton	Greenview, Stroudsburg, PA
5/10/2019	42749	DI Trucking	18	AS159M	TCE/PCE Contaminated Soil/Fill	31.2 Ton	Greenview, Stroudsburg, PA
5/10/2019	42751	DI Trucking	26	AT238C	TCE/PCE Contaminated Soil/Fill	30.1 Ton	Greenview, Stroudsburg, PA
5/10/2019	42752	DI Trucking	27	AT542C	TCE/PCE Contaminated Soil/Fill	30.03 Ton	Greenview, Stroudsburg, PA
5/10/2019	42750	DI Trucking	20	AS812S	TCE/PCE Contaminated Soil/Fill	28.49 Ton	Greenview, Stroudsburg, PA
5/10/2019	42753	DI Trucking	8	AR804C	TCE/PCE Contaminated Soil/Fill	30.21 Ton	Greenview, Stroudsburg, PA
5/10/2019	42755	DI Trucking	10	AR713H	TCE/PCE Contaminated Soil/Fill	29.24 Ton	Greenview, Stroudsburg, PA
5/10/2019	42754	DI Trucking	15	AS838K	TCE/PCE Contaminated Soil/Fill	29.54 Ton	Greenview, Stroudsburg, PA
5/10/2019	42757	Serpa Trucking	3	AS444X	TCE/PCE Contaminated Soil/Fill	27.56 Ton	Greenview, Stroudsburg, PA
5/10/2019	42756	Serpa Trucking	4	AU837N	TCE/PCE Contaminated Soil/Fill	27.89 Ton	Greenview, Stroudsburg, PA
5/10/2019	42758	Serpa Trucking	2	AS443X	TCE/PCE Contaminated Soil/Fill	26.78 Ton	Greenview, Stroudsburg, PA
5/10/2019	42748	DI Trucking	24	AT319B	TCE/PCE Contaminated Soil/Fill	25.52 Ton	Greenview, Stroudsburg, PA
5/10/2019	42759	OJEDA Trucking	5	AS218L	TCE/PCE Contaminated Soil/Fill	25.82 Ton	Greenview, Stroudsburg, PA
5/10/2019	42760	Manolos	16	AU440B	TCE/PCE Contaminated Soil/Fill	24.36 Ton	Greenview, Stroudsburg, PA
5/10/2019	42764	Brava Trucking	9	AU418C	TCE/PCE Contaminated Soil/Fill	25.82 Ton	Greenview, Stroudsburg, PA
5/10/2019	42763	Manolos	3	AP962W	TCE/PCE Contaminated Soil/Fill	24.91 Ton	Greenview, Stroudsburg, PA
5/10/2019	42762	Brava Trucking	16	AU210J	TCE/PCE Contaminated Soil/Fill	27.4 Ton	Greenview, Stroudsburg, PA
5/10/2019	42766	DI Trucking	26	AT238C	TCE/PCE Contaminated Soil/Fill	23.42 Ton	Greenview, Stroudsburg, PA
5/10/2019	42767	American Eagle	7	AT982D	TCE/PCE Contaminated Soil/Fill	23.36 Ton	Greenview, Stroudsburg, PA
5/10/2019	42768	American Eagle	8	AU2584	TCE/PCE Contaminated Soil/Fill	21.43 Ton	Greenview, Stroudsburg, PA
5/10/2019	42769	DI Trucking	18	AS159M	TCE/PCE Contaminated Soil/Fill	24.15 Ton	Greenview, Stroudsburg, PA
5/10/2019	42765	Brava Trucking	3	AU417C	TCE/PCE Contaminated Soil/Fill	26.87 Ton	Greenview, Stroudsburg, PA
5/10/2019	42771	DI Trucking	27	AT542C	TCE/PCE Contaminated Soil/Fill	20.53 Ton	Greenview, Stroudsburg, PA
5/10/2019	42770	DI Trucking	20	AS519S	TCE/PCE Contaminated Soil/Fill	22.69 Ton	Greenview, Stroudsburg, PA
5/10/2019	42772	DI Trucking	8	AR804C	TCE/PCE Contaminated Soil/Fill	20.78 Ton	Greenview, Stroudsburg, PA
5/10/2019	42773	DI Trucking	15	AS838K	TCE/PCE Contaminated Soil/Fill	22.61 Ton	Greenview, Stroudsburg, PA
5/10/2019	42774	DI Trucking	34	AU265B	TCE/PCE Contaminated Soil/Fill	20.6 Ton	Greenview, Stroudsburg, PA
5/10/2019	42775	DI Trucking	27	AT895C	TCE/PCE Contaminated Soil/Fill	21.18 Ton	Greenview, Stroudsburg, PA
5/10/2019	42776	Serpa Trucking	4	AU837N	TCE/PCE Contaminated Soil/Fill	24.9 Ton	Greenview, Stroudsburg, PA
5/10/2019	42778	Serpa Trucking	2	AS443X	TCE/PCE Contaminated Soil/Fill	23.38 Ton	Greenview, Stroudsburg, PA
5/10/2019	42777	DI Trucking	10	AR713H	TCE/PCE Contaminated Soil/Fill	20.27 Ton	Greenview, Stroudsburg, PA
5/10/2019	42779	MDCK Trucking	2	AU949P	TCE/PCE Contaminated Soil/Fill	23.72 Ton	Greenview, Stroudsburg, PA
5/13/2019	42782	DI Trucking	4	AT612A	TCE/PCE Contaminated Soil/Fill	24.34 Ton	Greenview, Stroudsburg, PA
5/13/2019	42783	DI Trucking	1	AT590Y	TCE/PCE Contaminated Soil/Fill	23.94 Ton	Greenview, Stroudsburg, PA
5/13/2019	42786	DI Trucking	8	AR804C	TCE/PCE Contaminated Soil/Fill	23.37 Ton	Greenview, Stroudsburg, PA
5/13/2019	42781	DI Trucking	3	AT611A	TCE/PCE Contaminated Soil/Fill	25.11 Ton	Greenview, Stroudsburg, PA
5/13/2019	42780	DI Trucking	18	AS159M	TCE/PCE Contaminated Soil/Fill	23.84 Ton	Greenview, Stroudsburg, PA
5/13/2019	42785	DI Trucking	19	AS8115	TCE/PCE Contaminated Soil/Fill	24.1 Ton	Greenview, Stroudsburg, PA

Table 2
Offsite Soil/Waste Disposal Volumes and Facilities
131-24 Avery Avenue, Flushing, NY
Project No. 17116

Date	Manifest Number	Transporter	Truck Number	Plate Number	Material	Quantity	Facility
5/13/2019	42784	DI Trucking	5	AT591Y	TCE/PCE Contaminated Soil/Fill	25.62 Ton	Greenview, Stroudsburg, PA
5/13/2019	42788	DI Trucking	15	AS838K	TCE/PCE Contaminated Soil/Fill	26.06 Ton	Greenview, Stroudsburg, PA
5/13/2019	42787	DI Trucking	17	AS129M	TCE/PCE Contaminated Soil/Fill	25.87 Ton	Greenview, Stroudsburg, PA
5/14/2019	42789	DI Trucking	25	AT320B	TCE/PCE Contaminated Soil/Fill	25.56 Ton	Greenview, Stroudsburg, PA
5/14/2019	42790	H&A Transport	4	AU548H	TCE/PCE Contaminated Soil/Fill	25.18 Ton	Greenview, Stroudsburg, PA
5/14/2019	42791	DI Trucking	3	AT611A	TCE/PCE Contaminated Soil/Fill	30.74 Ton	Greenview, Stroudsburg, PA
5/14/2019	42792	DI Trucking	27	AT319B	TCE/PCE Contaminated Soil/Fill	29.43 Ton	Greenview, Stroudsburg, PA
5/14/2019	42794	Andrades Trucking	7	AS341S	TCE/PCE Contaminated Soil/Fill	29.1 Ton	Greenview, Stroudsburg, PA
5/14/2019	42793	DI Trucking	36	AU461C	TCE/PCE Contaminated Soil/Fill	28.8 Ton	Greenview, Stroudsburg, PA
5/14/2019	42795	DI Trucking	4	AT612A	TCE/PCE Contaminated Soil/Fill	29.26 Ton	Greenview, Stroudsburg, PA
5/14/2019	42796	DI Trucking	41	AU142R	TCE/PCE Contaminated Soil/Fill	31.35 Ton	Greenview, Stroudsburg, PA
5/14/2019	42797	Andrades Trucking	1	AP1584	TCE/PCE Contaminated Soil/Fill	28.64 Ton	Greenview, Stroudsburg, PA
5/14/2019	42799	DI Trucking	43	AU144R	TCE/PCE Contaminated Soil/Fill	28.77 Ton	Greenview, Stroudsburg, PA
5/14/2019	42800	DI Trucking	8	AR804C	TCE/PCE Contaminated Soil/Fill	29.54 Ton	Greenview, Stroudsburg, PA
5/14/2019	55052	DI Trucking	19	AS811S	TCE/PCE Contaminated Soil/Fill	26.34 Ton	Greenview, Stroudsburg, PA
5/14/2019	42761	DI Trucking	16	AS839K	TCE/PCE Contaminated Soil/Fill	29.96 Ton	Greenview, Stroudsburg, PA
5/14/2019	42798	DI Trucking	5	AT591Y	TCE/PCE Contaminated Soil/Fill	28.92 Ton	Greenview, Stroudsburg, PA
5/15/2019	80782	EarthEfficient	7	AU824A	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
5/15/2019	80783	EarthEfficient	6	AU118F	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
5/15/2019	80784	EarthEfficient	1	AS742U	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
5/15/2019	80785	EarthEfficient	1027	AT898W	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
5/15/2019	80786	EarthEfficient	10	AU537X	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
5/15/2019	80787	EarthEfficient	19	AS861R	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
5/15/2019	80788	EarthEfficient	7	AU824A	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
5/15/2019	80789	EarthEfficient	6	AU118F	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
5/15/2019	80790	EarthEfficient	10	AU537X	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
5/15/2019	80791	EarthEfficient	1027	AT898W	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
5/16/2019	74602	EarthEfficient	22	AS120T	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
5/16/2019	74603	EarthEfficient	24	AT319B	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
5/16/2019	74604	EarthEfficient	37	AU742M	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
5/16/2019	74609	EarthEfficient	20	AS812S	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
5/16/2019	74610	EarthEfficient	5	AT591Y	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
5/16/2019	74611	EarthEfficient	16	AS839K	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
5/16/2019	74612	EarthEfficient	1	AT590Y	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
5/16/2019	74613	EarthEfficient	4	AT612A	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
5/16/2019	74614	EarthEfficient	3	AT611A	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
5/16/2019	74615	EarthEfficient	19	AS811S	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
5/16/2019	74616	EarthEfficient	22	AS120T	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
5/16/2019	74617	EarthEfficient	1	AM115U	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
5/16/2019	74618	EarthEfficient	5	AT591Y	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
5/16/2019	74619	EarthEfficient	16	AS839K	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
5/16/2019	74620	EarthEfficient	3	AU162Z	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
5/17/2019	74605	EarthEfficient	43	AT557B	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
5/17/2019	74606	EarthEfficient	51	AS756P	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ

Table 2
Offsite Soil/Waste Disposal Volumes and Facilities
131-24 Avery Avenue, Flushing, NY
Project No. 17116

Date	Manifest Number	Transporter	Truck Number	Plate Number	Material	Quantity	Facility
5/17/2019	74607	EarthEfficient	61	AP864P	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
5/17/2019	74608	EarthEfficient	91	AN556Y	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
5/17/2019	74621	EarthEfficient	57	AS269R	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
5/17/2019	74622	EarthEfficient	89	AS354M	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
5/17/2019	74623	EarthEfficient	51	AS756P	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
5/17/2019	74624	EarthEfficient	91	AN556Y	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
5/17/2019	74625	EarthEfficient	43	AT557B	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
5/17/2019	74626	EarthEfficient	61	AP864P	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
5/20/2019	7946072	Tommy Trucking	26	AT485Y	PCB Impacted Soil	23.57 Ton	Fairless, Morrisville, PA
5/20/2019	7946076	Tommy Trucking	23	AT953G	PCB Impacted Soil	23.09 Ton	Fairless, Morrisville, PA
5/20/2019	7946074	Tommy Trucking	25	AU301D	PCB Impacted Soil	23.6 Ton	Fairless, Morrisville, PA
5/20/2019	7946071	Tommy Trucking	24	AT478D	PCB Impacted Soil	24.41 Ton	Fairless, Morrisville, PA
5/20/2019	7946075	Tommy Trucking	22	AU514N	PCB Impacted Soil	23.73 Ton	Fairless, Morrisville, PA
5/21/2019	74629	EarthEfficient	28	AU342R	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
5/21/2019	74630	EarthEfficient	56	AS862R	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
5/21/2019	74631	EarthEfficient	15	AT532X	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
5/21/2019	74632	EarthEfficient	10	AU537X	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
5/21/2019	74633	EarthEfficient	7	AU824A	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
5/21/2019	74634	EarthEfficient	19	AS861R	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
5/21/2019	74635	EarthEfficient	16	AU395G	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
5/21/2019	74636	EarthEfficient	88	AS994V	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
5/21/2019	74637	EarthEfficient	8	T342039	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
5/21/2019	7946077	Tommy Trucking	1027	AT898W	PCB Impacted Soil	24.54 Ton	Fairless, Morrisville, PA
6/5/2019	74659	EarthEfficient	2	AR338C	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/5/2019	74660	EarthEfficient	8	T342039	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/5/2019	74661	EarthEfficient	37	AV111E	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/5/2019	74662	EarthEfficient	4	AV302A	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/5/2019	74663	EarthEfficient	16	AU395G	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/5/2019	74664	EarthEfficient	7	AU824A	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/5/2019	74665	EarthEfficient	28	AU342R	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/5/2019	74666	EarthEfficient	26	AT352D	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/5/2019	74667	EarthEfficient	6	AU118F	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/5/2019	74668	EarthEfficient	27	AT353D	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/5/2019	74669	EarthEfficient	28	AT862D	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/5/2019	74670	EarthEfficient	20	AS812S	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/5/2019	74671	EarthEfficient	22	AS120T	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/5/2019	74672	EarthEfficient	42	AW544B	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/5/2019	74673	EarthEfficient	58	AU937Z	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/5/2019	74674	EarthEfficient	288	AS763L	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/5/2019	74675	EarthEfficient	1	AR903C	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/5/2019	74676	EarthEfficient	101	AP639R	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/5/2019	74677	EarthEfficient	43	AT557B	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/5/2019	74678	EarthEfficient	28	AU550Z	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/5/2019	74679	EarthEfficient	89	AS354M	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ

Table 2
Offsite Soil/Waste Disposal Volumes and Facilities
131-24 Avery Avenue, Flushing, NY
Project No. 17116

Date	Manifest Number	Transporter	Truck Number	Plate Number	Material	Quantity	Facility
6/5/2019	74680	EarthEfficient	10	AT556B	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/5/2019	74681	EarthEfficient	44	AS530D	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/6/2019	74638	EarthEfficient	26	AT485Y	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/6/2019	74639	EarthEfficient	23	AU301D	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/6/2019	74640	EarthEfficient	22	AU514N	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/7/2019	86801	EarthEfficient	421	AS530D	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Hoffman Griffet Quarry, NJ
6/7/2019	86802	EarthEfficient	288	AS763L	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Hoffman Griffet Quarry, NJ
6/7/2019	86803	EarthEfficient	1	AR903C	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Hoffman Griffet Quarry, NJ
6/7/2019	86804	EarthEfficient	223	AM320V	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Hoffman Griffet Quarry, NJ
6/7/2019	86805	EarthEfficient	56	AS521B	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Hoffman Griffet Quarry, NJ
6/7/2019	86806	EarthEfficient	50	AS755P	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Hoffman Griffet Quarry, NJ
6/7/2019	86807	EarthEfficient	28	AU550Z	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Hoffman Griffet Quarry, NJ
6/10/2019	74627	EarthEfficient	53	AS758P	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/10/2019	74628	EarthEfficient	55	AS520B	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/10/2019	74641	EarthEfficient	83	AU551Z	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/10/2019	74642	EarthEfficient	22	AM611B	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/10/2019	74643	EarthEfficient	52	AS757P	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/10/2019	74644	EarthEfficient	21	AU877Z	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/10/2019	74645	EarthEfficient	223	AM320V	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/10/2019	74646	EarthEfficient	49	AT558B	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/10/2019	74647	EarthEfficient	28	AU550Z	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/10/2019	74648	EarthEfficient	94	AT627N	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/10/2019	74649	EarthEfficient	21	AU877Z	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/10/2019	74650	EarthEfficient	52	AS757P	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/10/2019	74651	EarthEfficient	24	AW612B	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/10/2019	74652	EarthEfficient	45	AS531D	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/10/2019	74653	EarthEfficient	51	AS756P	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/10/2019	74654	EarthEfficient	41	AS986S	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/10/2019	74655	EarthEfficient	101	AP639R	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/10/2019	74656	EarthEfficient	94	AT627N	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/10/2019	74657	EarthEfficient	61	AP864P	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/10/2019	74658	EarthEfficient	288	AS763L	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/11/2019	74682	EarthEfficient	88	AS353M	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/11/2019	74683	EarthEfficient	7	AU824H	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/11/2019	74684	EarthEfficient	19	AS861R	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/11/2019	74685	EarthEfficient	10	AU537X	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/11/2019	74686	EarthEfficient	22	AW611B	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/11/2019	74687	EarthEfficient	49	AT558B	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/11/2019	74688	EarthEfficient	53	AS758P	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/11/2019	74689	EarthEfficient	55	AS520B	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/11/2019	74690	EarthEfficient	21	AU877Z	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/11/2019	74691	EarthEfficient	52	AS757P	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/11/2019	74692	EarthEfficient	6	AU118F	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/11/2019	74693	EarthEfficient	1	AS742U	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ

Table 2
Offsite Soil/Waste Disposal Volumes and Facilities
131-24 Avery Avenue, Flushing, NY
Project No. 17116

Date	Manifest Number	Transporter	Truck Number	Plate Number	Material	Quantity	Facility
6/11/2019	74694	EarthEfficient	7	AU824H	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/11/2019	74695	EarthEfficient	19	AS861R	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/11/2019	74696	EarthEfficient	10	AU537X	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/11/2019	74697	EarthEfficient	28	AU660Z	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/11/2019	74698	EarthEfficient	101	AP639R	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/11/2019	74699	EarthEfficient	15	AT532X	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/12/2019	74700	EarthEfficient	16	AU395G	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/12/2019	74701	EarthEfficient	7	AU824H	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/12/2019	74702	EarthEfficient	6	AU118F	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/12/2019	86808	EarthEfficient	16	AU395G	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Hoffman Griffet Quarry, NJ
6/12/2019	86809	EarthEfficient	6	AU118F	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Hoffman Griffet Quarry, NJ
6/12/2019	86810	EarthEfficient	7	AU824A	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Hoffman Griffet Quarry, NJ
6/12/2019	86811	EarthEfficient	1	AS742U	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Hoffman Griffet Quarry, NJ
6/12/2019	86812	EarthEfficient	10	AU537X	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Hoffman Griffet Quarry, NJ
6/21/2019	52644	Earthefficient	38	AU743M	TCE/PCE Contaminated Soil/Fill	29.93 Ton	BTL, Pocono Summit, PA
6/21/2019	52645	Earthefficient	39	AU744M	TCE/PCE Contaminated Soil/Fill	29.93 Ton	BTL, Pocono Summit, PA
6/21/2019	52646	Earthefficient	16	AS839K	TCE/PCE Contaminated Soil/Fill	29.93 Ton	BTL, Pocono Summit, PA
6/21/2019	52648	Earthefficient	32	AU118B	TCE/PCE Contaminated Soil/Fill	34.4 Ton	BTL, Pocono Summit, PA
6/21/2019	52647	Earthefficient	31	AT873D	TCE/PCE Contaminated Soil/Fill	27.45 Ton	BTL, Pocono Summit, PA
6/21/2019	52649	Earthefficient	9	AP584U	TCE/PCE Contaminated Soil/Fill	31.6 Ton	BTL, Pocono Summit, PA
6/21/2019	52650	Earthefficient	7	AR713H	TCE/PCE Contaminated Soil/Fill	29.46 Ton	BTL, Pocono Summit, PA
6/21/2019	52651	Earthefficient	18	AS159M	TCE/PCE Contaminated Soil/Fill	26.73 Ton	BTL, Pocono Summit, PA
6/21/2019	42802	DI Trucking	31	AT873D	TCE/PCE Contaminated Soil/Fill	24.56 Ton	Greenview, Stroudsburg, PA
6/21/2019	42801	DI Trucking	25	AT320B	TCE/PCE Contaminated Soil/Fill	19.58 Ton	Greenview, Stroudsburg, PA
6/21/2019	42804	DI Trucking	22	AS120T	TCE/PCE Contaminated Soil/Fill	25.33 Ton	Greenview, Stroudsburg, PA
6/21/2019	42805	DI Trucking	41	AU142R	TCE/PCE Contaminated Soil/Fill	28.42 Ton	Greenview, Stroudsburg, PA
6/21/2019	42803	DI Trucking	32	AU118B	TCE/PCE Contaminated Soil/Fill	25.52 Ton	Greenview, Stroudsburg, PA
6/21/2019	42808	DI Trucking	9	AP584U	TCE/PCE Contaminated Soil/Fill	27.49 Ton	Greenview, Stroudsburg, PA
6/21/2019	42809	DI Trucking	7	AR713H	TCE/PCE Contaminated Soil/Fill	29.21 Ton	Greenview, Stroudsburg, PA
6/21/2019	42806	DI Trucking	21	AU855S	TCE/PCE Contaminated Soil/Fill	30.01 Ton	Greenview, Stroudsburg, PA
6/21/2019	42807	DI Trucking	18	AS159M	TCE/PCE Contaminated Soil/Fill	28.12 Ton	Greenview, Stroudsburg, PA
6/21/2019	42812	DI Trucking	19	AS811S	TCE/PCE Contaminated Soil/Fill	27.69 Ton	Greenview, Stroudsburg, PA
6/21/2019	42810	JEC	17	AT401Z	TCE/PCE Contaminated Soil/Fill	21.65 Ton	Greenview, Stroudsburg, PA
6/21/2019	42811	DI Trucking	35	AU461C	TCE/PCE Contaminated Soil/Fill	26.55 Ton	Greenview, Stroudsburg, PA
6/21/2019	42813	DI Trucking	4	AT612A	TCE/PCE Contaminated Soil/Fill	27.68 Ton	Greenview, Stroudsburg, PA
6/21/2019	42814	DI Trucking	6	AW573C	TCE/PCE Contaminated Soil/Fill	26.32 Ton	Greenview, Stroudsburg, PA
6/21/2019	42815	DI Trucking	4	AU218N	TCE/PCE Contaminated Soil/Fill	27.17 Ton	Greenview, Stroudsburg, PA
6/21/2019	42816	DI Trucking	2	AW572C	TCE/PCE Contaminated Soil/Fill	28.6 Ton	Greenview, Stroudsburg, PA
6/21/2019	42817	DI Trucking	30	AT896C	TCE/PCE Contaminated Soil/Fill	27.17 Ton	Greenview, Stroudsburg, PA
6/24/2019	42819	DI Trucking	6	AW573C	TCE/PCE Contaminated Soil/Fill	23.94 Ton	Greenview, Stroudsburg, PA
6/24/2019	42820	DI Trucking	2	AW572C	TCE/PCE Contaminated Soil/Fill	23.44 Ton	Greenview, Stroudsburg, PA
6/24/2019	42821	DI Trucking	9	AP584U	TCE/PCE Contaminated Soil/Fill	24.74 Ton	Greenview, Stroudsburg, PA
6/24/2019	42822	DI Trucking	7	AR713H	TCE/PCE Contaminated Soil/Fill	28.69 Ton	Greenview, Stroudsburg, PA
6/24/2019	86817	EarthEfficient	17	AS129M	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Hoffman Griffet Quarry, NJ

Table 2
Offsite Soil/Waste Disposal Volumes and Facilities
131-24 Avery Avenue, Flushing, NY
Project No. 17116

Date	Manifest Number	Transporter	Truck Number	Plate Number	Material	Quantity	Facility
6/24/2019	86818	EarthEfficient	37	AU742M	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Hoffman Griffet Quarry, NJ
6/24/2019	86819	EarthEfficient	4	AT612A	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Hoffman Griffet Quarry, NJ
6/24/2019	86820	EarthEfficient	3	AT611A	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Hoffman Griffet Quarry, NJ
6/24/2019	86821	EarthEfficient	22	AW611B	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Hoffman Griffet Quarry, NJ
6/24/2019	86822	EarthEfficient	50	AS755P	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Hoffman Griffet Quarry, NJ
6/24/2019	86823	EarthEfficient	83	AU551Z	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Hoffman Griffet Quarry, NJ
6/24/2019	86824	EarthEfficient	57	AS269R	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Hoffman Griffet Quarry, NJ
6/24/2019	74703	EarthEfficient	24	AW612B	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/24/2019	74704	EarthEfficient	6	AW573C	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/24/2019	74705	EarthEfficient	9	AP584U	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/24/2019	74706	EarthEfficient	2	AW572C	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/24/2019	74707	EarthEfficient	7	AU422T	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/24/2019	74708	EarthEfficient	27	AS647U	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/24/2019	74709	EarthEfficient	17	AU919R	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/24/2019	74710	EarthEfficient	4	AT612A	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/24/2019	74711	EarthEfficient	7	AR713H	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/24/2019	74712	EarthEfficient	17	AS129M	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/24/2019	74713	EarthEfficient	37	AU742M	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/24/2019	74714	EarthEfficient	13	AU162Z	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/24/2019	74715	EarthEfficient	3	AT611A	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/27/2019	86826	EarthEfficient	28	AT748C	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Hoffman Griffet Quarry, NJ
6/27/2019	86827	EarthEfficient	22	AS120T	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Hoffman Griffet Quarry, NJ
6/27/2019	86828	EarthEfficient	19	AS8115	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Hoffman Griffet Quarry, NJ
6/27/2019	86829	EarthEfficient	21	AS119	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Hoffman Griffet Quarry, NJ
6/27/2019	86830	EarthEfficient	5	AT320B	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Hoffman Griffet Quarry, NJ
6/27/2019	86831	EarthEfficient	17	AS129M	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Hoffman Griffet Quarry, NJ
6/27/2019	86832	EarthEfficient	8	AR804C	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Hoffman Griffet Quarry, NJ
6/27/2019	74716	EarthEfficient	28	AT748C	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/27/2019	74717	EarthEfficient	19	AS811S	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/27/2019	74718	EarthEfficient	17	AS129M	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/27/2019	74719	EarthEfficient	22	AS120T	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/27/2019	74720	EarthEfficient	4	AS119T	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/27/2019	74721	EarthEfficient	25	AT320B	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
6/27/2019	74722	EarthEfficient	8	AR804C	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
7/2/2019	74723	EarthEfficient	4	AT612A	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
7/2/2019	74724	EarthEfficient	9	AP584U	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
7/2/2019	74725	EarthEfficient	26	AP238C	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
7/2/2019	74726	EarthEfficient	25	AT320B	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
7/2/2019	74727	EarthEfficient	18	AS159M	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
7/3/2019	95501	EarthEfficient	1	AT590Y	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Hoffman Griffet Quarry, NJ
7/3/2019	95502	EarthEfficient	29	AT895C	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Hoffman Griffet Quarry, NJ
7/3/2019	95503	EarthEfficient	22	AS120T	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Hoffman Griffet Quarry, NJ
7/3/2019	95504	EarthEfficient	88	AS994V	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Hoffman Griffet Quarry, NJ
7/3/2019	95505	EarthEfficient	37	AU192M	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Hoffman Griffet Quarry, NJ

Table 2
Offsite Soil/Waste Disposal Volumes and Facilities
131-24 Avery Avenue, Flushing, NY
Project No. 17116

Date	Manifest Number	Transporter	Truck Number	Plate Number	Material	Quantity	Facility
7/3/2019	95506	EarthEfficient	15	AU532X	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Hoffman Griffet Quarry, NJ
7/3/2019	95507	EarthEfficient	6	AU118F	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Hoffman Griffet Quarry, NJ
7/3/2019	95508	EarthEfficient	7	AU824A	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Hoffman Griffet Quarry, NJ
7/3/2019	95509	EarthEfficient	27	AT542C	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Hoffman Griffet Quarry, NJ
7/9/2019	74728	EarthEfficient	28	AT748C	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
7/9/2019	74729	EarthEfficient	25	AT320B	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
7/9/2019	74730	EarthEfficient	21	AS855S	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
7/9/2019	74731	EarthEfficient	21	AS119T	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
7/9/2019	74732	EarthEfficient	12	T518771	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
7/9/2019	74733	EarthEfficient	13	T518758	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
7/9/2019	74734	EarthEfficient	10	T518796	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
7/9/2019	74735	EarthEfficient	1	AU1994	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
7/9/2019	74736	EarthEfficient	22	AS120T	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
7/9/2019	74737	EarthEfficient	19	AS811S	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
7/9/2019	74738	EarthEfficient	11	T518783	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
7/9/2019	74739	EarthEfficient	26	AT238C	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Rodota, Belvidere, NJ
7/9/2019	95510	EarthEfficient	28	AT748C	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Hoffman Griffet Quarry, NJ
7/9/2019	95511	EarthEfficient	25	AT320B	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Hoffman Griffet Quarry, NJ
7/9/2019	95512	EarthEfficient	21	AU855S	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Hoffman Griffet Quarry, NJ
7/9/2019	95513	EarthEfficient	13	T518758	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Hoffman Griffet Quarry, NJ
7/9/2019	95514	EarthEfficient	21	AS119T	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Hoffman Griffet Quarry, NJ
7/9/2019	95515	EarthEfficient	12	T518771	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Hoffman Griffet Quarry, NJ
7/9/2019	95516	EarthEfficient	10	T518796	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Hoffman Griffet Quarry, NJ
7/9/2019	95517	EarthEfficient	1	AU194U	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Hoffman Griffet Quarry, NJ
7/9/2019	95518	EarthEfficient	19	AS8115	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Hoffman Griffet Quarry, NJ
7/9/2019	95519	EarthEfficient	22	AS100T	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Hoffman Griffet Quarry, NJ
7/9/2019	95520	EarthEfficient	26	AT238C	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Hoffman Griffet Quarry, NJ
7/9/2019	95521	EarthEfficient	11	T518783	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Hoffman Griffet Quarry, NJ
7/16/2019	95522	EarthEfficient	36	AU316D	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Hoffman Griffet Quarry, NJ
7/16/2019	95523	EarthEfficient	35	AT384Y	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Hoffman Griffet Quarry, NJ
7/16/2019	95524	EarthEfficient	41	AU607U	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Hoffman Griffet Quarry, NJ
7/16/2019	95525	EarthEfficient	39	AU605U	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Hoffman Griffet Quarry, NJ
7/16/2019	95526	EarthEfficient	24	AS424V	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Hoffman Griffet Quarry, NJ
7/16/2019	95527	EarthEfficient	40	AU606U	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Hoffman Griffet Quarry, NJ
7/16/2019	95528	EarthEfficient	33	AT781U	TCE/PCE Contaminated Soil/Fill	20 Cubic Yards	Hoffman Griffet Quarry, NJ
6/14/2019	7820701	Clean Harbors	782069	P990879	TCE/PCE Impacted Water	4064 Gallon	Clean Water, Staten Island, NY
7/8/2019	0246377	Clean Harbors	782069	P990879	TCE/PCE Impacted Water	5000 Gallon	Clean Water, Staten Island, NY
7/11/2019	71119002	Clean Harbors	782069	P990879	TCE/PCE Impacted Water	4600 Gallon	Clean Water, Staten Island, NY
7/11/2019	71119004	Clean Harbors	782069	P990879	TCE/PCE Impacted Water	4000 Gallon	Clean Water, Staten Island, NY
7/12/2019	0103414	Clean Harbors	782069	P990879	TCE/PCE Impacted Water	4900 Gallon	Clean Water, Staten Island, NY
7/12/2019	1129878	Clean Harbors	782068	P990876	TCE/PCE Impacted Water	4000 Gallon	Clean Water, Staten Island, NY
7/12/2019	1246161	Clean Harbors	782068	P990876	TCE/PCE Impacted Water	4500 Gallon	Clean Water, Staten Island, NY
7/12/2019	7121901	Clean Harbors	782069	P990879	TCE/PCE Impacted Water	4900 Gallon	Clean Water, Staten Island, NY
7/17/2019	071719	Clean Harbors	530	AH803K	TCE/PCE Impacted Water	5000 Gallon	Clean Water, Staten Island, NY

Table 2
Offsite Soil/Waste Disposal Volumes and Facilities
131-24 Avery Avenue, Flushing, NY
Project No. 17116

Date	Manifest Number	Transporter	Truck Number	Plate Number	Material	Quantity	Facility
7/18/2019	2177503	Clean Harbors	841	AU123J	TCE/PCE Impacted Water	5000 Gallon	Clean Water, Staten Island, NY
7/18/2019	2179507	Clean Harbors	842	AU189H	TCE/PCE Impacted Water	5000 Gallon	Clean Water, Staten Island, NY
7/18/2019	71219000	Clean Harbors	841	AU123J	TCE/PCE Impacted Water	5000 Gallon	Clean Water, Staten Island, NY
8/19/2019	0246400	Clean Harbors	4078	AS151B	TCE/PCE Impacted Water	3193 Gallon	Clean Water, Staten Island, NY
8/22/2019	568905	Clean Harbors	4078	AS151B	TCE/PCE Impacted Water	4791 Gallon	Clean Water, Staten Island, NY
8/28/2019	568906	Clean Harbors	4078	AS151B	TCE/PCE Impacted Water	2922 Gallon	Clean Water, Staten Island, NY
9/3/2019	0245715	Clean Harbors	4078	AS151B	TCE/PCE Impacted Water	2877 Gallon	Clean Water, Staten Island, NY
9/3/2019	0245716	Clean Harbors	782068	P990876	TCE/PCE Impacted Water	3098 Gallon	Clean Water, Staten Island, NY
10/7/2019	0245654	Clean Harbors	350	2435289ME	TCE/PCE Impacted Water	5000 Gallon	Clean Water, Staten Island, NY
10/7/2019	0245655	Clean Harbors	350	2435289ME	TCE/PCE Impacted Water	5000 Gallon	Clean Water, Staten Island, NY
10/8/2019	0245661	Clean Harbors	350	2435289ME	TCE/PCE Impacted Water	4900 Gallon	Clean Water, Staten Island, NY
10/8/2019	0245662	Clean Harbors	350	2435289ME	TCE/PCE Impacted Water	4900 Gallon	Clean Water, Staten Island, NY
10/20/2019	0245677	Clean Harbors	4084	78774HTN	TCE/PCE Impacted Water	5000 Gallon	Clean Water, Staten Island, NY
10/22/2019	0245678	Clean Harbors	4084	78774HTN	TCE/PCE Impacted Water	5000 Gallon	Clean Water, Staten Island, NY
10/24/2019	0245693	Clean Harbors	782069	P990879	TCE/PCE Impacted Water	2700 Gallon	Clean Water, Staten Island, NY
10/24/2019	0245694	Clean Harbors	350	2435289ME	TCE/PCE Impacted Water	4900 Gallon	Clean Water, Staten Island, NY
10/24/2019	1061507	Clean Harbors	4084	78774HTN	TCE/PCE Impacted Water	2690 Gallon	Clean Water, Staten Island, NY
10/18/2019	1201761	Clean Harbors	530	AH803K	TCE/PCE Impacted Water	5000 Gallon	Clean Water, Staten Island, NY
10/18/2019	1201762	Clean Harbors	530	AH803K	TCE/PCE Impacted Water	5000 Gallon	Clean Water, Staten Island, NY
11/1/2019	0245604	Clean Harbors	782069	P990879	TCE/PCE Impacted Water	5000 Gallon	Clean Water, Staten Island, NY
11/1/2019	0245605	Clean Harbors	782069	P990879	TCE/PCE Impacted Water	5000 Gallon	Clean Water, Staten Island, NY
11/7/2019	0245616	Clean Harbors	782069	P990879	TCE/PCE Impacted Water	4500 Gallon	Clean Water, Staten Island, NY
11/7/2019	0245617	Clean Harbors	782069	P990879	TCE/PCE Impacted Water	4500 Gallon	Clean Water, Staten Island, NY
11/12/2019	0245626	Clean Harbors	3163	TY80092I	TCE/PCE Impacted Water	5000 Gallon	Clean Water, Staten Island, NY
11/12/2019	0245632	Clean Harbors	321	2435288ME	TCE/PCE Impacted Water	5500 Gallon	Clean Water, Staten Island, NY
11/11/2019	0245697	Clean Harbors	782069	P990879	TCE/PCE Impacted Water	2500 Gallon	Clean Water, Staten Island, NY
11/11/2019	0245698	Clean Harbors	782068	P990876	TCE/PCE Impacted Water	4500 Gallon	Clean Water, Staten Island, NY
11/14/2019	1246955	Clean Harbors	782072	P990882	TCE/PCE Impacted Water	4900 Gallon	Clean Water, Staten Island, NY
11/14/2019	1246956	Clean Harbors	782072	P990882	TCE/PCE Impacted Water	4800 Gallon	Clean Water, Staten Island, NY
11/14/2019	1246962	Clean Harbors	350	2435289ME	TCE/PCE Impacted Water	5000 Gallon	Clean Water, Staten Island, NY
12/12/2019	0226971	Clean Harbors	782068	P990876	TCE/PCE Impacted Water	4000 Gallon	Clean Water, Staten Island, NY
12/12/2019	0246200	Clean Harbors	782068	P990876	TCE/PCE Impacted Water	4000 Gallon	Clean Water, Staten Island, NY
12/13/2019	0226967	Clean Harbors	782071	P990881	TCE/PCE Impacted Water	4500 Gallon	Clean Water, Staten Island, NY
12/16/2019	0246151	Clean Harbors	782068	P990876	TCE/PCE Impacted Water	4063 Gallon	Clean Water, Staten Island, NY
12/17/2019	0246152	Clean Harbors	782069	P990879	TCE/PCE Impacted Water	4500 Gallon	Clean Water, Staten Island, NY
12/20/2019	0246207	Clean Harbors	782072	P990882	TCE/PCE Impacted Water	4800 Gallon	Clean Water, Staten Island, NY
12/27/2019	0246253	Clean Harbors	782068	P990876	TCE/PCE Impacted Water	4200 Gallon	Clean Water, Staten Island, NY

Table 3
Waste Classification Soil Sample Analytical Results Summary
131-24 to 131-32 Avery Avenue, Flushing, New York
Project No. 17116

Sample ID Sample Depth Sampling Date Client Matrix		NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives-Residential	WC-1-1 0-5 ft 10/23/2017 Soil	WC-1-2 5-10 ft 10/23/2017 Soil	WC-1-3 10-20 ft 10/23/2017 Soil	WC-2-1 0-4 ft 10/23/2017 Soil	WC-2-2 4-10 ft 10/23/2017 Soil	WC-2-52 4-10 ft 10/23/2017 Soil	WC-2-3 10-20 ft 10/23/2017 Soil
Compound	**CAS Number**			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Volatile Organics, 8260 - Comprehensive		mg/Kg	mg/Kg							
1,1,1,2-Tetrachloroethane	630-20-6	~	~	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	71-55-6	0.68	100	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	79-34-5	~	~	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	~	~	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	79-00-5	~	~	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	75-34-3	0.27	19	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene	75-35-4	0.33	100	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	87-61-6	~	~	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	96-18-4	~	~	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	120-82-1	~	~	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	95-63-6	3.6	47	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	96-12-8	~	~	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	106-93-4	~	~	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	95-50-1	1.1	100	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	107-06-2	0.02	2.3	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	78-87-5	~	~	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	108-67-8	8.4	47	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	541-73-1	2.4	17	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	106-46-7	1.8	9.8	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	123-91-1	0.1	9.8	ND	ND	ND	ND	ND	ND	ND
2-Butanone	78-93-3	0.12	100	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	591-78-6	~	~	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	108-10-1	~	~	ND	ND	ND	ND	ND	ND	ND
Acetone	67-64-1	0.05	100	0.0120	0.0170	0.0100	0.0160	0.0190	0.0330	0.0240
Acrolein	107-02-8	~	~	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	107-13-1	~	~	ND	ND	ND	ND	ND	ND	ND
Benzene	71-43-2	0.06	2.9	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	74-97-5	~	~	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	75-27-4	~	~	ND	ND	ND	ND	ND	ND	ND
Bromoform	75-25-2	~	~	ND	ND	ND	ND	ND	ND	ND
Bromomethane	74-83-9	~	~	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	75-15-0	~	~	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	56-23-5	0.76	1.4	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	108-90-7	1.1	100	ND	ND	ND	ND	ND	ND	ND
Chloroethane	75-00-3	~	~	ND	ND	ND	ND	ND	ND	ND
Chloroform	67-66-3	0.37	10	ND	ND	ND	ND	ND	ND	ND
Chloromethane	74-87-3	~	~	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	156-59-2	0.25	59	ND	ND	ND	0.00410	0.00400	0.00600	0.0024J
cis-1,3-Dichloropropylene	10061-01-5	~	~	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	110-82-7	~	~	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	124-48-1	~	~	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	74-95-3	~	~	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	75-71-8	~	~	ND	ND	ND	ND	ND	ND	ND
Ethyl Benzene	100-41-4	1	30	ND	ND	ND	ND	ND	ND	ND

Table 3
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Sample ID Sample Depth Sampling Date Client Matrix		NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives-Residential	WC-1-1 0-5 ft 10/23/2017 Soil	WC-1-2 5-10 ft 10/23/2017 Soil	WC-1-3 10-20 ft 10/23/2017 Soil	WC-2-1 0-4 ft 10/23/2017 Soil	WC-2-2 4-10 ft 10/23/2017 Soil	WC-2-52 4-10 ft 10/23/2017 Soil	WC-2-3 10-20 ft 10/23/2017 Soil
Compound	**CAS Number**			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Hexachlorobutadiene	87-68-3	~	~	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	98-82-8	~	~	ND	ND	ND	ND	ND	ND	ND
Methyl acetate	79-20-9	~	~	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether (MTBE)	1634-04-4	0.93	62	ND	ND	ND	ND	ND	ND	ND
Methylcyclohexane	108-87-2	~	~	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	75-09-2	0.05	51	ND	ND	0.0037J	ND	ND	ND	0.0100
n-Butylbenzene	104-51-8	12	100	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	103-65-1	3.9	100	ND	ND	ND	ND	ND	ND	ND
o-Xylene	95-47-6	~	~	ND	ND	ND	ND	ND	ND	ND
p- & m- Xylenes	179601-23-1	~	~	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	99-87-6	~	~	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	135-98-8	11	100	ND	ND	ND	ND	ND	ND	ND
Styrene	100-42-5	~	~	ND	ND	ND	ND	ND	ND	ND
tert-Butyl alcohol (TBA)	75-65-0	~	~	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	98-06-6	5.9	100	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	127-18-4	1.3	5.5	0.00820	ND	ND	ND	0.002J	ND	ND
Toluene	108-88-3	0.7	100	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethylene	156-60-5	0.19	100	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropylene	10061-02-6	~	~	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	79-01-6	0.47	10	0.0018J	ND	ND	0.0110	0.00360	ND	ND
Trichlorofluoromethane	75-69-4	~	~	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	75-01-4	0.02	0.21	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	1330-20-7	0.26	100	ND	ND	ND	ND	ND	ND	ND
Semi-Volatiles, 8270 - Comprehensive										
1,1-Biphenyl	92-52-4	~	~	ND	ND	ND	ND	ND	ND	ND
1,2,4,5-Tetrachlorobenzene	95-94-3	~	~	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	120-82-1	~	~	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	95-50-1	1.1	100	ND	ND	ND	ND	ND	ND	ND
1,2-Diphenylhydrazine (as Azobenzene)	122-66-7	~	~	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	541-73-1	2.4	17	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	106-46-7	1.8	9.8	ND	ND	ND	ND	ND	ND	ND
2,3,4,6-Tetrachlorophenol	58-90-2	~	~	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	95-95-4	~	~	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	88-06-2	~	~	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	120-83-2	~	~	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	105-67-9	~	~	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	51-28-5	~	~	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	121-14-2	~	~	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	606-20-2	~	~	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	91-58-7	~	~	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	95-57-8	~	~	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	91-57-6	~	~	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol	95-48-7	0.33	100	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline	88-74-4	~	~	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	88-75-5	~	~	ND	ND	ND	ND	ND	ND	ND

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Compound	**CAS Number**			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
3- & 4-Methylphenols	65794-96-9	~	~	ND	ND	ND	ND	ND	ND	ND
3,3-Dichlorobenzidine	91-94-1	~	~	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	99-09-2	~	~	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	534-52-1	~	~	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	101-55-3	~	~	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	59-50-7	~	~	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	106-47-8	~	~	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	7005-72-3	~	~	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	100-01-6	~	~	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	100-02-7	~	~	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	83-32-9	20	100	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	208-96-8	100	100	ND	ND	ND	ND	ND	ND	ND
Acetophenone	98-86-2	~	~	ND	ND	ND	ND	ND	ND	ND
Aniline	62-53-3	~	~	ND	ND	ND	ND	ND	ND	ND
Anthracene	120-12-7	100	100	ND	ND	ND	ND	ND	ND	ND
Atrazine	1912-24-9	~	~	ND	ND	ND	ND	ND	ND	ND
Benzaldehyde	100-52-7	~	~	ND	ND	ND	ND	ND	ND	ND
Benzidine	92-87-5	~	~	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	56-55-3	1	1	ND	ND	ND	0.092J	ND	ND	ND
Benzo(a)pyrene	50-32-8	1	1	ND	ND	ND	0.0994	ND	ND	ND
Benzo(b)fluoranthene	205-99-2	1	1	ND	ND	ND	0.110	ND	ND	ND
Benzo(g,h,i)perylene	191-24-2	100	100	ND	ND	ND	0.072J	ND	ND	ND
Benzo(k)fluoranthene	207-08-9	0.8	1	ND	ND	ND	0.0875J	ND	ND	ND
Benzoic acid	65-85-0	~	~	ND	ND	ND	ND	ND	ND	ND
Benzyl alcohol	100-51-6	~	~	ND	ND	ND	ND	ND	ND	ND
Benzyl butyl phthalate	85-68-7	~	~	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethoxy)methane	111-91-1	~	~	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethyl)ether	111-44-4	~	~	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl)ether	108-60-1	~	~	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	117-81-7	~	~	ND	ND	ND	ND	ND	ND	ND
Caprolactam	105-60-2	~	~	ND	ND	ND	ND	ND	ND	ND
Carbazole	86-74-8	~	~	ND	ND	ND	ND	ND	ND	ND
Chrysene	218-01-9	1	1	0.0472J	ND	ND	0.100	ND	ND	ND
Dibenzo(a,h)anthracene	53-70-3	0.33	0.33	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	132-64-9	7	14	ND	ND	ND	ND	ND	ND	ND
Diethyl phthalate	84-66-2	~	~	ND	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	131-11-3	~	~	ND	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	84-74-2	~	~	ND	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	117-84-0	~	~	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	206-44-0	100	100	0.0742J	ND	ND	0.220	ND	ND	ND
Fluorene	86-73-7	30	100	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	118-74-1	0.33	0.33	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	87-68-3	~	~	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	77-47-4	~	~	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	67-72-1	~	~	ND	ND	ND	ND	ND	ND	ND

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Compound	**CAS Number**			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	0.5	ND	ND	ND	0.0742J	ND	ND	ND
Isophorone	78-59-1	~	~	ND	ND	ND	ND	ND	ND	ND
Naphthalene	91-20-3	12	100	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	98-95-3	~	~	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodimethylamine	62-75-9	~	~	ND	ND	ND	ND	ND	ND	ND
N-nitroso-di-n-propylamine	621-64-7	~	~	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	86-30-6	~	~	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	87-86-5	0.8	2.4	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	85-01-8	100	100	ND	ND	ND	0.0749J	ND	ND	ND
Phenol	108-95-2	0.33	100	ND	ND	ND	ND	ND	ND	ND
Pyrene	129-00-0	100	100	0.0697J	ND	ND	0.230	ND	ND	ND
Total Petroleum Hydrocarbons-DRO (C10-C28)										
Total Petroleum Hydrocarbons-DRO		~	~	ND	ND	ND	265	39	45.200	ND
Pesticides, 8081 target list										
4,4'-DDD	72-54-8	0.0033	2.6	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	72-55-9	0.0033	1.8	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	50-29-3	0.0033	1.7	ND	ND	ND	ND	ND	ND	ND
Aldrin	309-00-2	0.005	0.019	ND	ND	ND	ND	ND	ND	ND
alpha-BHC	319-84-6	0.02	0.097	ND	ND	ND	ND	ND	ND	ND
alpha-Chlordane	5103-71-9	0.094	0.91	ND	ND	ND	ND	ND	ND	ND
beta-BHC	319-85-7	0.036	0.072	ND	ND	ND	ND	ND	ND	ND
Chlordane, total	57-74-9	~	~	ND	ND	ND	ND	ND	ND	ND
delta-BHC	319-86-8	0.04	100	ND	ND	ND	ND	ND	ND	ND
Dieldrin	60-57-1	0.005	0.039	ND	ND	ND	ND	ND	ND	ND
Endosulfan I	959-98-8	2.4	4.8	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	33213-65-9	2.4	4.8	ND	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	1031-07-8	2.4	4.8	ND	ND	ND	ND	ND	ND	ND
Endrin	72-20-8	0.014	2.2	ND	ND	ND	ND	ND	ND	ND
Endrin aldehyde	7421-93-4	~	~	ND	ND	ND	ND	ND	ND	ND
Endrin ketone	53494-70-5	~	~	ND	ND	ND	ND	ND	ND	ND
gamma-BHC (Lindane)	58-89-9	0.1	0.28	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	5566-34-7	~	~	ND	ND	ND	ND	ND	ND	ND
Heptachlor	76-44-8	0.042	0.42	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	1024-57-3	~	~	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	72-43-5	~	~	ND	ND	ND	ND	ND	ND	ND
Toxaphene	8001-35-2	~	~	ND	ND	ND	ND	ND	ND	ND
Metals, Target Analyte										
Aluminum	7429-90-5	~	~	9,930	4,040	3,580	8,270	5,680	6,530	10,200
Antimony	7440-36-0	~	~	1.440	0.720	0.649	1.400	0.836	0.907	1.830
Arsenic	7440-38-2	13	16	3.930	ND	ND	3.690	1.220	1.400	ND
Barium	7440-39-3	350	350	62.9	28	28.3	80.5	30.4	32.5	84.9
Beryllium	7440-41-7	7.2	14	ND	ND	ND	ND	ND	ND	ND
Cadmium	7440-43-9	2.5	2.5	ND	ND	ND	ND	ND	ND	ND
Calcium	7440-70-2	~	~	3030	487	671	6280	623	843	1320
Chromium	7440-47-3	~	~	18.9	9.89	10.6	17.9	15.7	17.1	35.9

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Compound	**CAS Number**			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Cobalt	7440-48-4	~	~	10.6	5.05	4.71	8.18	7.53	7.02	12.2
Copper	7440-50-8	50	270	19.7	10.4	10.4	30.5	12.4	15.9	29
Iron	7439-89-6	~	~	20300	8980	8610	17100	15900	15600	23600
Lead	7439-92-1	63	400	35.90	2.64	1.71	**89.60**	9.60	12.8	3.51
Magnesium	7439-95-4	~	~	2080	1200	1320	2170	1310	1480	2940
Manganese	7439-96-5	1600	2000	542	515	264	412	305	288	466
Nickel	7440-02-0	30	140	17.6	13	9.45	16.7	12.6	12.6	21.4
Potassium	7440-09-7	~	~	716	475	668	664	635	685	1730
Selenium	7782-49-2	3.9	36	1.56	ND	ND	ND	1.14	ND	1.55
Silver	7440-22-4	2	36	ND	ND	ND	ND	ND	ND	ND
Sodium	7440-23-5	~	~	89.7	57.7	73	73.7	51.7	51.80	86.8
Thallium	7440-28-0	~	~	ND	ND	ND	ND	ND	ND	ND
Vanadium	7440-62-2	~	~	32.6	11.9	14.2	22.6	19.5	20.00	58.4
Zinc	7440-66-6	109	2200	50.6B	17B	15.2B	84.4B	27.9B	29.6B	32.1B
Metals, TCLP RCRA		mg/L								
Arsenic	7440-38-2	5		ND	ND	ND	ND	ND	ND	ND
Barium	7440-39-3	100		0.708B	0.307B	0.336B	0.693B	0.416B	0.328B	0.463B
Cadmium	7440-43-9	1		ND	ND	ND	ND	ND	ND	ND
Chromium	7440-47-3	5		ND	ND	ND	ND	ND	ND	ND
Lead	7439-92-1	5		0.01	ND	ND	0.13	0.01	0.0420	ND
Selenium	7782-49-2	1		ND	ND	ND	0.01	ND	ND	ND
Silver	7440-22-4	5		ND	ND	ND	ND	ND	ND	ND
Mercury by 7473										
Mercury	7439-97-6	0.18	0.81	0.0697	ND	ND	0.0811	ND	ND	ND
Mercury TCLP by 7473		mg/L								
Mercury	7439-97-6	0.2		ND	ND	ND	ND	0.00020	ND	ND
Chromium, Hexavalent										
Chromium, Hexavalent	18540-29-9	1	22	0.562	ND	ND	ND	ND	ND	0.748
Corrosivity		pH units								
pH		~	~	7.740	7.790	7.600	7.560	7.380	7.460	7.320
Temperature		~	~	23	23	23	23	23	23	23
Cyanide, Total										
Cyanide, total	57-12-5	27	27	ND	ND	ND	ND	ND	ND	ND
Ignitability										
Ignitability		~	~	Non-Ignit.	Non-Ignit.	Non-Ignit.	Non-Ignit.	Non-Ignit.	Non-Ignit.	Non-Ignit.
Paint Filter Test										
Paint Filter Test		~	~	NT	NT	NT	NT	NT	NT	NT
Reactivity-Cyanide										
Reactivity - Cyanide		~	~	ND	ND	ND	ND	ND	ND	ND
Reactivity-Sulfide										
Reactivity - Sulfide		~	~	ND	ND	ND	ND	ND	ND	ND
Polychlorinated Biphenyls (PCB)										
Aroclor 1016	12674-11-2	~	~	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	11104-28-2	~	~	ND	ND	ND	ND	ND	ND	ND

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Compound	**CAS Number**			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Aroclor 1232	11141-16-5	~	~	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	53469-21-9	~	~	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	12672-29-6	~	~	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	11097-69-1	~	~	0.39	ND	ND	38.10	6.26	6.70	0.0495P
Aroclor 1260	11096-82-5	~	~	ND	ND	ND	ND	ND	ND	ND
Total PCBs	1336-36-3	0.1	1	**0.39**	ND	ND	**38.10**	**6.26**	**6.70**	0.05

Key:
J = analyte detected at/above the method detection limit but below the Reporting Limit, data is estimated
B=analyte found in the analysis batch blank
P=this flag is used for pesticide and PCB target compounds when there is a % difference for detected concentrations that exceed method dictated limits between the two GC columns used for analysis
ND = analyte not detected at or above the level indicated
NA=this indicates the analyte was not a target for this sample
NT=this indicates the analyte was not a target for this sample
~ = this indicates that no regulatory limit has been established for this analyte
= Unrestricted Use Criteria Exceeded
= Unrestricted Use and Residential Use Exceeded

Table 4
Waste Classification Soil Sample RCRA Results Summary
131-24 to 131-32 Avery Avenue, Flushing, New York
Project No. 17116

Sample ID Sample Depth Sampling Date Sample Matrix		EPA Hazardous Waste Limits	WM-C-1 0-1 ft 3/26/2018 Soil	WM-C-2 1-3 ft 3/26/2018 Soil
Compound	**CAS Number**		Result	Result
Volatile Organics, TCLP RCRA List		mg/L	mg/L	mg/L
1,1-Dichloroethylene	75-35-4	0.7	ND	ND
1,2-Dichloroethane	107-06-2	0.5	ND	ND
1,4-Dichlorobenzene	106-46-7	7.5	ND	ND
2-Butanone	78-93-3	200	ND	ND
Benzene	71-43-2	0.5	ND	ND
Carbon tetrachloride	56-23-5	0.5	ND	ND
Chlorobenzene	108-90-7	100	ND	ND
Chloroform	67-66-3	6	ND	ND
Tetrachloroethylene	127-18-4	0.7	ND	ND
Trichloroethylene	79-01-6	0.5	0.027J	ND
Vinyl Chloride	75-01-4	0.2	ND	ND
Semi-Volatiles, TCLP RCRA Target List		mg/kg	mg/kg	mg/kg
1,4-Dichlorobenzene	106-46-7	7.5	ND	ND
2,4,5-Trichlorophenol	95-95-4	400	ND	ND
2,4,6-Trichlorophenol	88-06-2	2	ND	ND
2,4-Dinitrotoluene	121-14-2	0.13	ND	ND
2-Methylphenol	95-48-7	200	ND	ND
3- & 4-Methylphenols	65794-96-9	200	ND	ND
Cresols, total	1319-77-3	200	ND	ND
Hexachlorobenzene	118-74-1	0.13	ND	ND
Hexachlorobutadiene	87-68-3	0.5	ND	ND
Hexachloroethane	67-72-1	3	ND	ND
Nitrobenzene	98-95-3	2	ND	ND
Pentachlorophenol	87-86-5	100	ND	ND
Pyridine	110-86-1	5	ND	ND
Pesticides, TCLP RCRA List		mg/L	mg/L	mg/L
Chlordane, total	57-74-9	0.03	ND	ND
Endrin	72-20-8	0.02	ND	ND
gamma-BHC (Lindane)	58-89-9	0.4	ND	ND
Heptachlor	76-44-8	0.008	ND	ND
Heptachlor epoxide	1024-57-3	0.008	ND	ND
Methoxychlor	72-43-5	10	ND	ND
Toxaphene	8001-35-2	0.5	ND	ND
Metals, TCLP by EPA 6010		mg/L	mg/L	mg/L
Copper	7440-50-8	~	ND	ND
Nickel	7440-02-0	~	ND	ND
Zinc	7440-66-6	~	ND	ND
Metals, TCLP RCRA		mg/L	mg/L	mg/L
Arsenic	7440-38-2	5	ND	ND
Barium	7440-39-3	100	0.905	0.816
Cadmium	7440-43-9	1	ND	ND
Chromium	7440-47-3	5	ND	ND
Lead	7439-92-1	5	0.250	0.171
Selenium	7782-49-2	1	ND	ND
Silver	7440-22-4	5	ND	ND

Table 4
Waste Classification Soil Sample RCRA Results Summary
131-24 to 131-32 Avery Avenue, Flushing, New York
Project No. 17116

Sample ID Sample Depth Sampling Date Sample Matrix		EPA Hazardous Waste Limits	WM-C-1 0-1 ft 3/26/2018 Soil	WM-C-2 1-3 ft 3/26/2018 Soil
Compound	**CAS Number**		Result	Result
Mercury TCLP by 7473		mg/L	mg/L	mg/L
Mercury	7439-97-6	0.2	0.00031	0.00020
Ammonia as N, Water Leachable		mg/L	mg/L	mg/L
Ammonia Nitrogen as N	7664-41-7	~	ND	ND
Chemical Oxygen Demand (COD), Water Leachable		mg/L	mg/L	mg/L
Chemical Oxygen Demand (COD)		~	ND	ND
DI Water Leach			%	%
DI Water Extraction		~	ND	ND
Ignitability			-	-
Ignitability		~	No Free Liquid	No Free Liquid
Oil & Grease			mg/kg	mg/kg
Oil & Grease	OILGREASE	~	ND	ND
Oil & Grease Water Leachable			mg/L	mg/L
Oil & Grease	OILGREASE	~	ND	ND
Paint Filter Test			-	-
Paint Filter Test		~	No Free Liquid	No Free Liquid
pH			pH units	pH units
pH		~	8.30	8.89
pH of TCLP Extract			pH units	pH units
pH		~	5.18	5.71
Reactivity			mg/kg	mg/kg
Reactivity - Cyanide		~	0.250	0.250
Reactivity - Sulfide		~	15	15
Total Solids			%	%
% Solids	solids	~	90.1	92.6
Total Solids (Aq), Water Leachable			mg/L	mg/L
Total Solids		~	77	157
Volatile Solids			%	%
Volatile Solids		~	1.820	1.650
Herbicides, TCLP Target List		mg/L	mg/L	mg/L
2,4,5-TP (Silvex)	93-72-1	1	ND	ND
2,4-D	94-75-7	10	ND	ND
Polychlorinated Biphenyls (PCB)		mg/kg	mg/kg	mg/kg
Aroclor 1016	12674-11-2	~	ND	ND
Aroclor 1221	11104-28-2	~	ND	ND
Aroclor 1232	11141-16-5	~	ND	ND
Aroclor 1242	53469-21-9	~	ND	ND
Aroclor 1248	12672-29-6	~	ND	ND
Aroclor 1254	11097-69-1	~	10.400	8.230
Aroclor 1260	11096-82-5	~	ND	ND
Total PCBs	1336-36-3	50	10.400	8.230

Key:
J = data is estimated
ND = analyte not detected at or above the level indicated
NA = the analyte was not a target for this sample
~ = this indicates that no regulatory limit has been established for this analyte

Table 5
Waste Classification Additional PCB Delineation Soil Sample Analytical Results Summary
131-24 to 131-32 Avery Avenue, Flushing, New York
Project No. 17116

Sample ID Sample Date Sampling Depth Client Matrix		NYSDEC Part 375 Restricted Use Soil Cleanup Objectives	EPA TSCA PCBs Hazarouds Waste Criteria	WC-1-301 3/26/2018 0 ft bgs Soil	WC-1-302 3/26/2018 0 ft bgs Soil	WC-1-303 3/26/2018 0 ft bgs Soil	WC-1-501 3/26/2018 3 ft bgs Soil	WC-1-502 3/26/2018 3 ft bgs Soil	WC-1-503 5/10/2018 3 ft bgs Soil	WC-1-504 5/10/2018 3 ft bgs Soil	WC-1-505 5/10/2018 3 ft bgs Soil	WC-1-506 5/10/2018 3 ft bgs Soil	WC-2-301 3/26/2018 0 ft bgs Soil	WC-2-302 3/26/2018 0 ft bgs Soil	WC-2-303 3/26/2018 0 ft bgs Soil	WC-2-304 3/26/2018 0 ft bgs Soil	WC-2-305 3/26/2018 0 ft bgs Soil	WC-2-306 3/26/2018 0 ft bgs Soil	WC-2-307 3/26/2018 0 ft bgs Soil
Compound	**CAS Number**	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
Polychlorinated Biphenyls (PCB)																			
Aroclor 1016	12674-11-2	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	11104-28-2	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	11141-16-5	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	53469-21-9	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	12672-29-6	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	11097-69-1	~	~	349	3.32	101	0.305	0.0371	0.446	42.6	33	3.01	0.264	2.23	107	3.26	2.99	0.569	2.24
Aroclor 1260	11096-82-5	~	~	38.9	0.702	40.4	0.0393	ND	ND	ND	ND	ND	0.0481	0.306	41.3	0.449	1.45	0.0335	ND
Total PCBs	1336-36-3	1	50	388	4.02	142	0.344	0.0371	0.446	42.6	33	3.01	0.313	2.54	149	3.71	4.44	0.602	2.24

Notes:
bgs = below ground surface
bbl = below basement level
ND = analyte not detected at or above the level indicated
~ = no regulatory limit
= NYSDEC Restricted Residential Use Criteria Exceeded
= EPA TSCA Hazadours Soil Criteria Exceeded

Table 5
Waste Classification Additional PCB Delineation Soil Sample Analytical Results Summary
131-24 to 131-32 Avery Avenue, Flushing, New York
Project No. 17116

Sample ID Sample Date Sampling Depth Client Matrix		NYSDEC Part 375 Restricted Use Soil Cleanup Objectives	EPA TSCA PCBs Hazarouds Waste Criteria	WC-2-308 3/26/2018 0 ft bgs Soil	WC-2-501 3/26/2018 3 ft bgs Soil	WC-2-502 5/21/2018 3 ft bgs Soil	WC-2-503 3/29/2019 3 ft bgs Soil	WC-2-504 3/26/2018 3 ft bgs Soil	WC-2-505 5/16/2018 3 ft bgs Soil	WC-2-506 5/15/2018 3 ft bgs Soil	WC-2-507 5/15/2018 3 ft bgs Soil	WC-2-508 3/26/2018 3 ft bgs Soil	WC-2-509 5/16/2018 3 ft bgs Soil	WC-2-510 5/15/2018 3 ft bgs Soil	WC-2-511 5/11/2018 3 ft bgs Soil	WC-2-512 5/10/2018 3 ft bgs Soil	WC-2-901 4/1/2019 5 ft bgs Soil	WC-2-902 4/1/2019 5 ft bgs Soil	WC-2-902-2 4/12/2019 7 ft bgs Soil
Compound	**CAS Number**	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
Polychlorinated Biphenyls (PCB)																			
Aroclor 1016	12674-11-2	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	11104-28-2	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	11141-16-5	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	53469-21-9	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	12672-29-6	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	11097-69-1	~	~	3.73	0.0236	0.37	0.0493	0.0301	0.968	ND	0.485	ND	1.04	2.83	0.0267	50.2	0.0551	75.5	1.26
Aroclor 1260	11096-82-5	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PCBs	1336-36-3	1	50	3.73	0.0236	0.37	0.0493	0.0301	0.968	ND	0.485	ND	1.04	2.83	0.0267	50.2	0.0551	75.5	1.26

Notes:
bgs = below ground surface
bbl = below basement level
ND = analyte not detected at or above the level indicated
~ = no regulatory limit
= NYSDEC Restricted Residential Use Criteria Exceed
= EPA TSCA Hazadours Soil Criteria Exceeded

Table 5
Waste Classification Additional PCB Delineation Soil Sample Analytical Results Summary
131-24 to 131-32 Avery Avenue, Flushing, New York
Project No. 17116

Sample ID Sample Date Sampling Depth Client Matrix		NYSDEC Part 375 Restricted Use Soil Cleanup Objectives	EPA TSCA PCBs Hazarouds Waste Criteria	WC-2-903 4/1/2019 5 ft bgs Soil	WC-2-904 4/1/2019 5 ft bgs Soil	WC-2-905 4/1/2019 5 ft bgs Soil	WC-2-906 4/1/2019 5 ft bgs Soil	WC-2-907 4/1/2019 5 ft bgs Soil	WC-2-908 4/1/2019 5 ft bgs Soil	WC-2-909 4/1/2019 5 ft bgs Soil	WC-2-910 4/4/2019 5 ft bgs Soil	WC-2-911 4/4/2019 5 ft bgs Soil	WC-2-912 4/4/2019 5 ft bgs Soil	WC-2-913 4/4/2019 5 ft bgs Soil	WC-2-914 4/4/2019 5 ft bgs Soil	WC-2-915 4/4/2019 5 ft bgs Soil	WC-2-916 4/4/2019 5 ft bgs Soil	WC-2-917 4/4/2019 5 ft bgs Soil	WC-2-918 4/4/2019 5 ft bgs Soil
Compound	**CAS Number**	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
Polychlorinated Biphenyls (PCB)																			
Aroclor 1016	12674-11-2	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	11104-28-2	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	11141-16-5	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	53469-21-9	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	12672-29-6	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	11097-69-1	~	~	0.87	0.194	ND	ND	ND	ND	0.312	4.23	0.503	0.661	0.856	0.918	0.0398	0.585	0.217	0.668
Aroclor 1260	11096-82-5	~	~	ND	ND	ND	0.0348	ND	0.0398	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PCBs	1336-36-3	1	50	0.87	0.194	ND	0.0348	ND	0.0398	0.312	4.23	0.503	0.661	0.856	0.918	0.0398	0.585	0.217	0.668

Notes:
bgs = below ground surface
bbl = below basement level
ND = analyte not detected at or above the level indicated
~ = no regulatory limit
= NYSDEC Restricted Residential Use Criteria Exceed
= EPA TSCA Hazadours Soil Criteria Exceeded

Table 5
Waste Classification Additional PCB Delineation Soil Sample Analytical Results Summary
131-24 to 131-32 Avery Avenue, Flushing, New York
Project No. 17116

Sample ID Sample Date Sampling Depth Client Matrix		NYSDEC Part 375 Restricted Use Soil Cleanup Objectives	EPA TSCA PCBs Hazarouds Waste Criteria	WC-3-305 3/26/2018 0 ft bgs Soil	WC-3-309 3/26/2018 0 ft bgs Soil	WC-3-317 3/26/2018 0 ft bgs Soil	WC-3-504 5/11/2018 3 ft bgs Soil	WC-3-509 5/11/2018 3 ft bgs Soil	WC-3-516 5/15/2018 3 ft bgs Soil	WC-3-518 5/15/2018 3 ft bgs Soil
Compound	**CAS Number**	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Polychlorinated Biphenyls (PCB)										
Aroclor 1016	12674-11-2	~	~	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	11104-28-2	~	~	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	11141-16-5	~	~	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	53469-21-9	~	~	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	12672-29-6	~	~	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	11097-69-1	~	~	57.5	2.67	3.01	1.83	0.783	ND	ND
Aroclor 1260	11096-82-5	~	~	ND	ND	ND	ND	0.0402	ND	ND
Total PCBs	1336-36-3	1	50	57.5	2.67	3.01	1.83	0.823	ND	ND

Notes:
bgs = below ground surface
bbl = below basement level
ND = analyte not detected at or above the level indicated
~ = no regulatory limit
= NYSDEC Restricted Residential Use Criteria Exceed
= EPA TSCA Hazadours Soil Criteria Exceeded

Table 6
Waste Classification Additional PCBs Composite Soil Sample Results
131-24 to 131-32 Avery Avenue, Flushing, New York
Project No. 17116

Sample ID Sample Date Client Matrix		NYSDEC Part 375 RUSCO - Residential	EPA Hazardous Waste Limits	SP-1 5/6/2019 Soil	SP-2 5/6/2019 Soil	WC-1-C3-1 3/27/2019 Soil	WC-1-C3-2 3/27/2019 Soil	WC-1&2-C-1000 5/1/2019 Soil
Compound	**CAS Number**	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Polychlorinated Biphenyls (PCB)								
Aroclor 1016	12674-11-2	~	~	ND	ND	ND	ND	ND
Aroclor 1221	11104-28-2	~	~	ND	ND	ND	ND	ND
Aroclor 1232	11141-16-5	~	~	ND	ND	ND	ND	ND
Aroclor 1242	53469-21-9	~	~	ND	ND	ND	ND	ND
Aroclor 1248	12672-29-6	~	~	ND	ND	ND	ND	ND
Aroclor 1254	11097-69-1	~	~	31.6	34	0.848	1.52	0.186
Aroclor 1260	11096-82-5	~	~	ND	ND	ND	ND	ND
Total PCBs	1336-36-3	1	50	31.6	34	0.848	1.52	0.186

Notes:
ND = analyte not detected at or above the level indicated
~ = no regulatory limit
= NYSDEC Restricted Residential Use Criteria Exceeded
= EPA TSCA Hazadours Soil Criteria Exceeded

Table 7
End-point Soil Sample VOCs Analytical Results Summary
131-24 Avery Avenue
Flushing, NY 11355
Project No. 17116

Sample ID Date Sampled Matrix Depth (ft) Units	Part 375 Unrestricted Use SCO Criteria mg/kg	WEP-01 6/13/2019 Soil 18 bgs mg/kg	WEP-02 6/13/2019 Soil 18 bgs mg/kg	WEP-03 6/13/2019 Soil 18 bgs mg/kg	WEP-04 6/13/2019 Soil 18 bgs mg/kg	WEP-05 6/13/2019 Soil 18 bgs mg/kg	WEP-06 6/13/2019 Soil 18 bgs mg/kg	WEP-07 6/13/2019 Soil 18 bgs mg/kg	WEP-08 6/13/2019 Soil 18 bgs mg/kg	WEP-09 6/13/2019 Soil 18 bgs mg/kg	WEP-10 6/17/2019 Soil 18 bgs mg/kg	WEP-11 6/13/2019 Soil 18 bgs mg/kg	WEP-12 6/13/2019 Soil 18 bgs mg/kg	WEP-13 6/12/2019 Soil 18 bgs mg/kg	WEP-14 6/13/2019 Soil 18 bgs mg/kg	WEP-15 7/1/2019 Soil 18 bgs mg/kg
Volatile Organic Compounds (VOCs)																
Methylene chloride	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	0.76	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1.3	0.001	0.00035 J	0.00086	0.002	0.012	ND	0.0022	0.0013	0.00054	0.0011	0.00029 J	0.00064	0.00056	0.00062	0.0016
Chlorobenzene	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.68	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropene, Total	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	0.06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	0.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00038 J
Trichloroethene	0.47	0.00056 J	0.00023 J	0.00056	0.00036 J	0.0087	0.00053	0.00076	0.0014	0.00047	0.0011	0.00069	0.00068	0.0017	0.0012	0.0062
1,2-Dichlorobenzene	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert butyl ether	0.93	0.0003 J	0.0003 J	ND	0.00019 J	0.0023 J	0.00022 J	ND	ND	0.00025 J	0.0004 J	ND	0.00018 J	ND	0.00018 J	ND
p/m-Xylene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	0.26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.25	ND	ND	ND	ND	ND	0.00017 J	ND	ND	ND	ND	0.00035 J	ND	0.0021	ND	0.01

Table 7
End-point Soil Sample VOCs Analytical Results Summary
131-24 Avery Avenue
Flushing, NY 11355
Project No. 17116

Sample ID Date Sampled Matrix Depth (ft) Units	Part 375 Unrestricted Use SCO Criteria mg/kg	WEP-01 6/13/2019 Soil 18 bgs mg/kg	WEP-02 6/13/2019 Soil 18 bgs mg/kg	WEP-03 6/13/2019 Soil 18 bgs mg/kg	WEP-04 6/13/2019 Soil 18 bgs mg/kg	WEP-05 6/13/2019 Soil 18 bgs mg/kg	WEP-06 6/13/2019 Soil 18 bgs mg/kg	WEP-07 6/13/2019 Soil 18 bgs mg/kg	WEP-08 6/13/2019 Soil 18 bgs mg/kg	WEP-09 6/13/2019 Soil 18 bgs mg/kg	WEP-10 6/17/2019 Soil 18 bgs mg/kg	WEP-11 6/13/2019 Soil 18 bgs mg/kg	WEP-12 6/13/2019 Soil 18 bgs mg/kg	WEP-13 6/12/2019 Soil 18 bgs mg/kg	WEP-14 6/13/2019 Soil 18 bgs mg/kg	WEP-15 7/1/2019 Soil 18 bgs mg/kg
Volatile Organic Compounds (VOCs)																
1,2-Dichloroethene, Total	~	ND	ND	ND	ND	ND	0.00017 J	ND	ND	ND	ND	0.00035 J	ND	0.0021	ND	0.01 J
Dibromomethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	0.05	ND	0.024	0.11	0.019	0.44	0.031	0.0075	0.016	0.03	ND	ND	0.0051 J	0.021	ND	0.013
Carbon disulfide	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	0.12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromobenzene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Chlorotoluene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Chlorotoluene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	3.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	8.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Diethylbenzene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Ethyltoluene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4,5-Tetramethylbenzene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl ether	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 7
End-point Soil Sample VOCs Analytical Results Summary
131-24 Avery Avenue
Flushing, NY 11355
Project No. 17116

Sample ID Date Sampled Matrix Depth (ft) Units	Part 375 Unrestricted Use SCO Criteria mg/kg	WEP-01 6/13/2019 Soil 18 bgs mg/kg	WEP-02 6/13/2019 Soil 18 bgs mg/kg	WEP-03 6/13/2019 Soil 18 bgs mg/kg	WEP-04 6/13/2019 Soil 18 bgs mg/kg	WEP-05 6/13/2019 Soil 18 bgs mg/kg	WEP-06 6/13/2019 Soil 18 bgs mg/kg	WEP-07 6/13/2019 Soil 18 bgs mg/kg	WEP-08 6/13/2019 Soil 18 bgs mg/kg	WEP-09 6/13/2019 Soil 18 bgs mg/kg	WEP-10 6/17/2019 Soil 18 bgs mg/kg	WEP-11 6/13/2019 Soil 18 bgs mg/kg	WEP-12 6/13/2019 Soil 18 bgs mg/kg	WEP-13 6/12/2019 Soil 18 bgs mg/kg	WEP-14 6/13/2019 Soil 18 bgs mg/kg	WEP-15 7/1/2019 Soil 18 bgs mg/kg
Volatile Organic Compounds (VOCs)																
trans-1,4-Dichloro-2-butene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total VOCs	~	0.00186	0.02488	0.11142	0.02155	0.463	0.03192	0.01046	0.0187	0.03126	0.0026	0.00133	0.0066	0.02536	0.002	0.03118

Notes:
bgs = below ground surface
J = analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
ND = the analyte was not detected
NA = Not an analyte
~ = no regulatory limit for this analyte
= exceedance of Unrestricted Use SCO

Table 7
End-point Soil Sample VOCs Analytical Results Summary
131-24 Avery Avenue
Flushing, NY 11355
Project No. 17116

Sample ID Date Sampled Matrix Depth (ft) Units	Part 375 Unrestricted Use SCO Criteria mg/kg	WEP-16 7/3/2019 Soil 18 bgs mg/kg	WEP-66 7/3/2019 Soil Duplicate 18 bgs mg/kg	WEP-17 7/3/2019 Soil 18 bgs mg/kg	WEP-18 7/8/2019 Soil 18 bgs mg/kg	WEP-19 7/3/2019 Soil 18 bgs mg/kg	WEP-20 7/10/2019 Soil 18 bgs mg/kg	WEP-21 7/8/2019 Soil 18 bgs mg/kg	WEP-22 7/3/2019 Soil 18 bgs mg/kg	WEP-23 7/10/2019 Soil 18 bgs mg/kg	WEP-73 7/10/2019 Soil Duplicate 18 bgs mg/kg	WEP-24 7/8/2019 Soil 18 bgs mg/kg	WEP-HS-01 7/12/2019 Soil 22 bgs mg/kg	WEP-HS-02 7/3/2019 Soil 22 bgs mg/kg
Volatile Organic Compounds (VOCs)														
Methylene chloride	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
1,1-Dichloroethane	0.27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
Chloroform	0.37	ND	ND	ND	ND	ND	ND	ND	ND	0.00014 J	0.00025 J	ND	NA	ND
Carbon tetrachloride	0.76	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
1,2-Dichloropropane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
Dibromochloromethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
1,1,2-Trichloroethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
Tetrachloroethene	1.3	0.0013	0.0007	0.00043	0.0028	0.00067	0.0013	0.0026	0.0019	0.003	0.0047	0.0011	0.002	0.0011
Chlorobenzene	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
Trichlorofluoromethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
1,2-Dichloroethane	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
1,1,1-Trichloroethane	0.68	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
Bromodichloromethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
trans-1,3-Dichloropropene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
cis-1,3-Dichloropropene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
1,3-Dichloropropene, Total	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
1,1-Dichloropropene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
Bromoform	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
1,1,2,2-Tetrachloroethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
Benzene	0.06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
Toluene	0.7	ND	ND	ND	ND	ND	0.00064 J	ND	ND	0.00058 J	0.00074 J	ND	NA	ND
Ethylbenzene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
Chloromethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
Bromomethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
Vinyl chloride	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
1,1-Dichloroethene	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
trans-1,2-Dichloroethene	0.19	0.00015 J	ND	ND	0.0006 J	ND	0.00032 J	0.0007 J	0.00016 J	0.0011 J	0.0015 J	ND	0.00052 J	ND
Trichloroethene	0.47	0.0052	0.0023	0.0011	0.013	0.0013	0.0061	0.02	0.008	0.018	0.027	0.0046	0.018	0.0016
1,2-Dichlorobenzene	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
1,3-Dichlorobenzene	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
1,4-Dichlorobenzene	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
Methyl tert butyl ether	0.93	ND	ND	ND	ND	ND	0.00026	ND	ND	0.00023 J	ND	ND	NA	ND
p/m-Xylene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
o-Xylene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
Xylenes, Total	0.26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
cis-1,2-Dichloroethene	0.25	0.0071	0.002	ND	0.014	ND	0.0075	0.02	0.0036	0.026	0.031	0.0011 J	0.015	ND

Table 7
End-point Soil Sample VOCs Analytical Results Summary
131-24 Avery Avenue
Flushing, NY 11355
Project No. 17116

Sample ID Date Sampled Matrix Depth (ft) Units	Part 375 Unrestricted Use SCO Criteria mg/kg	WEP-16 7/3/2019 Soil 18 bgs mg/kg	WEP-66 7/3/2019 Soil Duplicate 18 bgs mg/kg	WEP-17 7/3/2019 Soil 18 bgs mg/kg	WEP-18 7/8/2019 Soil 18 bgs mg/kg	WEP-19 7/3/2019 Soil 18 bgs mg/kg	WEP-20 7/10/2019 Soil 18 bgs mg/kg	WEP-21 7/8/2019 Soil 18 bgs mg/kg	WEP-22 7/3/2019 Soil 18 bgs mg/kg	WEP-23 7/10/2019 Soil 18 bgs mg/kg	WEP-73 7/10/2019 Soil Duplicate 18 bgs mg/kg	WEP-24 7/8/2019 Soil 18 bgs mg/kg	WEP-HS-01 7/12/2019 Soil 22 bgs mg/kg	WEP-HS-02 7/3/2019 Soil 22 bgs mg/kg
Volatile Organic Compounds (VOCs)														
1,2-Dichloroethene, Total	~	0.0073 J	0.002	ND	0.015 J	ND	0.0078 J	0.021 J	0.0038 J	0.027 J	0.033 J	0.0011 J	NA	ND
Dibromomethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
Styrene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
Dichlorodifluoromethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
Acetone	0.05	0.0063 J	0.11	0.099	0.006 J	0.02	0.0085 J	0.0089 J	0.0096 J	0.008 J	0.014	0.014	NA	0.0042 J
Carbon disulfide	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
2-Butanone	0.12	ND	0.0046 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
Vinyl acetate	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
4-Methyl-2-pentanone	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
1,2,3-Trichloropropane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
2-Hexanone	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
Bromochloromethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
2,2-Dichloropropane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
1,2-Dibromoethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
1,3-Dichloropropane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
1,1,1,2-Tetrachloroethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
Bromobenzene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
n-Butylbenzene	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
sec-Butylbenzene	11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
tert-Butylbenzene	5.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
o-Chlorotoluene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
p-Chlorotoluene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
1,2-Dibromo-3-chloropropane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
Hexachlorobutadiene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
Isopropylbenzene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
p-Isopropyltoluene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
Naphthalene	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
Acrylonitrile	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
n-Propylbenzene	3.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
1,2,3-Trichlorobenzene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
1,2,4-Trichlorobenzene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
1,3,5-Trimethylbenzene	8.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
1,2,4-Trimethylbenzene	3.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
1,4-Dioxane	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
p-Diethylbenzene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
p-Ethyltoluene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
1,2,4,5-Tetramethylbenzene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
Ethyl ether	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND

Table 7
End-point Soil Sample VOCs Analytical Results Summary
131-24 Avery Avenue
Flushing, NY 11355
Project No. 17116

Sample ID	Part 375	WEP-16	WEP-66	WEP-17	WEP-18	WEP-19	WEP-20	WEP-21	WEP-22	WEP-23	WEP-73	WEP-24	WEP-HS-01	WEP-HS-02
Date Sampled	Unrestricted	7/3/2019	7/3/2019	7/3/2019	7/8/2019	7/3/2019	7/10/2019	7/8/2019	7/3/2019	7/10/2019	7/10/2019	7/8/2019	7/12/2019	7/3/2019
Matrix	Use SCO	Soil	Soil Duplicate	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil Duplicate	Soil	Soil	Soil
Depth (ft)	Criteria	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	22 bgs	22 bgs
Units	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
Volatile Organic Compounds (VOCs)														
trans-1,4-Dichloro-2-butene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
Total VOCs	~	0.02005	0.1196	0.10053	0.0364	0.02197	0.02462	0.0522	0.02326	0.05705	0.07919	0.0208	0.03552	0.0069

Notes:
bgs = below ground surface
J = analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
ND = the analyte was not detected
NA = Not an analyte
~ = no regulatory limit for this analyte
= exceedance of Unrestricted Use SCO

Table 8
End-point Soil Sample SVOCs Analytical Results Summary
131-24 Avery Avenue
Flushing, NY 11355
Project No. 17116

Sample ID Date Sampled Matrix Depth (ft) Units	Part 375 Unrestricted Use SCO Criteria mg/kg	WEP-01 6/13/2019 Soil 18 bgs mg/kg	WEP-02 6/13/2019 Soil 18 bgs mg/kg	WEP-03 6/12/2019 Soil 18 bgs mg/kg	WEP-04 6/12/2019 Soil 18 bgs mg/kg	WEP-05 6/13/2019 Soil 18 bgs mg/kg	WEP-06 6/13/2019 Soil 18 bgs mg/kg	WEP-07 6/12/2019 Soil 18 bgs mg/kg	WEP-08 6/13/2019 Soil 18 bgs mg/kg	WEP-09 6/12/2019 Soil 18 bgs mg/kg	WEP-10 6/17/2019 Soil 18 bgs mg/kg	WEP-11 6/13/2019 Soil 18 bgs mg/kg	WEP-12 6/12/2019 Soil 18 bgs mg/kg	WEP-13 6/12/2019 Soil 18 bgs mg/kg	WEP-14 6/12/2019 Soil 18 bgs mg/kg
Semivolatile Organic Compounds (SVOCs)															
Acenaphthene	20	ND	ND	ND	ND	0.021 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethyl)ether	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	100	ND	ND	ND	ND	0.09 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl)ether	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethoxy)methane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isophorone	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
NDPA/DPA	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Nitrosodi-n-propylamine	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octylphthalate	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl phthalate	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 8
End-point Soil Sample SVOCs Analytical Results Summary
131-24 Avery Avenue
Flushing, NY 11355
Project No. 17116

Sample ID Date Sampled Matrix Depth (ft) Units	Part 375 Unrestricted Use SCO Criteria mg/kg	WEP-01 6/13/2019 Soil 18 bgs mg/kg	WEP-02 6/13/2019 Soil 18 bgs mg/kg	WEP-03 6/12/2019 Soil 18 bgs mg/kg	WEP-04 6/12/2019 Soil 18 bgs mg/kg	WEP-05 6/13/2019 Soil 18 bgs mg/kg	WEP-06 6/13/2019 Soil 18 bgs mg/kg	WEP-07 6/12/2019 Soil 18 bgs mg/kg	WEP-08 6/13/2019 Soil 18 bgs mg/kg	WEP-09 6/12/2019 Soil 18 bgs mg/kg	WEP-10 6/17/2019 Soil 18 bgs mg/kg	WEP-11 6/13/2019 Soil 18 bgs mg/kg	WEP-12 6/12/2019 Soil 18 bgs mg/kg	WEP-13 6/12/2019 Soil 18 bgs mg/kg	WEP-14 6/12/2019 Soil 18 bgs mg/kg
Semivolatile Organic Compounds (SVOCs)															
Benzo(k)fluoranthene	0.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	100	ND	ND	ND	ND	0.044 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(ghi)perylene	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	30	ND	ND	ND	ND	0.03 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	100	ND	ND	ND	ND	0.17	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	100	ND	ND	ND	ND	0.059 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Biphenyl	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4,5-Tetrachlorobenzene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetophenone	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Chloro-m-cresol	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-o-cresol	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	0.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Methylphenol/4-Methylphenol	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 8
End-point Soil Sample SVOCs Analytical Results Summary
131-24 Avery Avenue
Flushing, NY 11355
Project No. 17116

Sample ID Date Sampled Matrix Depth (ft) Units	Part 375 Unrestricted Use SCO Criteria mg/kg	WEP-01 6/13/2019 Soil 18 bgs mg/kg	WEP-02 6/13/2019 Soil 18 bgs mg/kg	WEP-03 6/12/2019 Soil 18 bgs mg/kg	WEP-04 6/12/2019 Soil 18 bgs mg/kg	WEP-05 6/13/2019 Soil 18 bgs mg/kg	WEP-06 6/13/2019 Soil 18 bgs mg/kg	WEP-07 6/12/2019 Soil 18 bgs mg/kg	WEP-08 6/13/2019 Soil 18 bgs mg/kg	WEP-09 6/12/2019 Soil 18 bgs mg/kg	WEP-10 6/17/2019 Soil 18 bgs mg/kg	WEP-11 6/13/2019 Soil 18 bgs mg/kg	WEP-12 6/12/2019 Soil 18 bgs mg/kg	WEP-13 6/12/2019 Soil 18 bgs mg/kg	WEP-14 6/12/2019 Soil 18 bgs mg/kg
Semivolatile Organic Compounds (SVOCs)															
Benzoic Acid	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl Alcohol	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total SVOCs	~	-	-	-	-	0.414	-	-	-	-	-	-	-	-	-

Notes:
bgs = below ground surface
J = analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
ND = the analyte was not detected
NA = Not an analyte
~ = no regulatory limit for this analyte
= exceedance of Unrestricted Use SCO

Table 8
End-point Soil Sample SVOCs Analytical Results Summary
131-24 Avery Avenue
Flushing, NY 11355
Project No. 17116

Sample ID Date Sampled Matrix Depth (ft) Units	Part 375 Unrestricted Use SCO Criteria mg/kg	WEP-15 7/1/2019 Soil 18 bgs mg/kg	WEP-16 7/3/2019 Soil 18 bgs mg/kg	WEP-66 7/3/2019 Soil Duplicate 18 bgs mg/kg	WEP-17 7/3/2019 Soil 18 bgs mg/kg	WEP-18 7/8/2019 Soil 18 bgs mg/kg	WEP-19 7/3/2019 Soil 18 bgs mg/kg	WEP-20 7/10/2019 Soil 18 bgs mg/kg	WEP-21 7/8/2019 Soil 18 bgs mg/kg	WEP-22 7/3/2019 Soil 18 bgs mg/kg	WEP-23 7/10/2019 Soil 18 bgs mg/kg	WEP-73 7/10/2019 Soil Duplicate 18 bgs mg/kg	WEP-24 7/8/2019 Soil 18 bgs mg/kg
Semivolatile Organic Compounds (SVOCs)													
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethyl)ether	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl)ether	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethoxy)methane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isophorone	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
NDPA/DPA	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Nitrosodi-n-propylamine	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octylphthalate	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl phthalate	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	~	0.048	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 8
End-point Soil Sample SVOCs Analytical Results Summary
131-24 Avery Avenue
Flushing, NY 11355
Project No. 17116

Sample ID Date Sampled Matrix Depth (ft) Units	Part 375 Unrestricted Use SCO Criteria mg/kg	WEP-15 7/1/2019 Soil 18 bgs mg/kg	WEP-16 7/3/2019 Soil 18 bgs mg/kg	WEP-66 7/3/2019 Soil Duplicate 18 bgs mg/kg	WEP-17 7/3/2019 Soil 18 bgs mg/kg	WEP-18 7/8/2019 Soil 18 bgs mg/kg	WEP-19 7/3/2019 Soil 18 bgs mg/kg	WEP-20 7/10/2019 Soil 18 bgs mg/kg	WEP-21 7/8/2019 Soil 18 bgs mg/kg	WEP-22 7/3/2019 Soil 18 bgs mg/kg	WEP-23 7/10/2019 Soil 18 bgs mg/kg	WEP-73 7/10/2019 Soil Duplicate 18 bgs mg/kg	WEP-24 7/8/2019 Soil 18 bgs mg/kg
Semivolatile Organic Compounds (SVOCs)													
Benzo(k)fluoranthene	0.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(ghi)perylene	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Biphenyl	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4,5-Tetrachlorobenzene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetophenone	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Chloro-m-cresol	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-o-cresol	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	0.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Methylphenol/4-Methylphenol	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 8
End-point Soil Sample SVOCs Analytical Results Summary
131-24 Avery Avenue
Flushing, NY 11355
Project No. 17116

Sample ID Date Sampled Matrix Depth (ft) Units	Part 375 Unrestricted Use SCO Criteria mg/kg	WEP-15 7/1/2019 Soil 18 bgs mg/kg	WEP-16 7/3/2019 Soil 18 bgs mg/kg	WEP-66 7/3/2019 Soil Duplicate 18 bgs mg/kg	WEP-17 7/3/2019 Soil 18 bgs mg/kg	WEP-18 7/8/2019 Soil 18 bgs mg/kg	WEP-19 7/3/2019 Soil 18 bgs mg/kg	WEP-20 7/10/2019 Soil 18 bgs mg/kg	WEP-21 7/8/2019 Soil 18 bgs mg/kg	WEP-22 7/3/2019 Soil 18 bgs mg/kg	WEP-23 7/10/2019 Soil 18 bgs mg/kg	WEP-73 7/10/2019 Soil Duplicate 18 bgs mg/kg	WEP-24 7/8/2019 Soil 18 bgs mg/kg
Semivolatile Organic Compounds (SVOCs)													
Benzoic Acid	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl Alcohol	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total SVOCs	~	0.048	-	-	-	-	-	-	-	-	-	-	-

Notes:
bgs = below ground surface
J = analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
ND = the analyte was not detected
NA = Not an analyte
~ = no regulatory limit for this analyte
= exceedance of Unrestricted Use SCO

Table 9
End-point Soil Sample Pesticides Analytical Results Summary
131-24 Avery Avenue, Flushing, NY 11355
Project No. 17116

Sample ID	Part 375	WEP-01	WEP-02	WEP-03	WEP-04	WEP-05	WEP-06	WEP-07	WEP-08	WEP-09	WEP-10	WEP-11	WEP-12	WEP-13	WEP-14	WEP-15	WEP-16
Date Sampled	Unrestricted Use	6/13/2019	6/13/2019	6/12/2019	6/12/2019	6/13/2019	6/13/2019	6/12/2019	6/13/2019	6/12/2019	6/17/2019	6/13/2019	6/12/2019	6/12/2019	6/12/2019	7/1/2019	7/3/2019
Matrix	SCO	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Depth (ft)	Criteria	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs
Units	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
Pesticides																	
Delta-BHC	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lindane	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Alpha-BHC	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Beta-BHC	0.036	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.042	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aldrin	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	~	ND	ND	ND	0.00105 JIP	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	0.014	ND	ND	ND	ND	ND	ND	ND	ND	0.00096	ND	ND	ND	0.00565	0.00202	ND	ND
Endrin aldehyde	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin ketone	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.005	ND	ND	0.00343 IP	ND	ND	ND	ND	ND	0.000768 JIP	0.0018 IP	ND	0.000631 JIP	0.00387 IP	0.00134 IP	ND	ND
4,4'-DDE	0.0033	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	0.0033	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	0.0033	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan I	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	2.4	ND	ND	0.00313 IP	ND	ND	ND	ND	ND	0.000646 JIP	ND	ND	0.000632 JIP	0.00365 IP	0.00119 JIP	ND	ND
Endosulfan sulfate	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toxaphene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-Chlordane	0.094	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-Chlordane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
bgs = below ground surface
J = analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
I = The lower value for the two columns has been reported due to obvious interference
P = The RPD (Relative Percent Difference) between the results for the two columns exceeds the method-specified criteria.
ND = the analyte was not detected
NA = Not an analyte
~ = no regulatory limit for this analyte
= exceedance of Unrestricted Use SCO

Table 9
End-point Soil Sample Pesticides Analytical Results Summary
131-24 Avery Avenue, Flushing, NY 11355
Project No. 17116

Sample ID	Part 375	WEP-66	WEP-17	WEP-18	WEP-19	WEP-20	WEP-21	WEP-22	WEP-23	WEP-73	WEP-24
Date Sampled	Unrestricted Use	7/3/2019	7/3/2019	7/8/2019	7/3/2019	7/10/2019	7/8/2019	7/3/2019	7/10/2019	7/10/2019	7/8/2019
Matrix	SCO	Soil Duplicate	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil Duplicate	Soil
Depth (ft)	Criteria	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Pesticides											
Delta-BHC	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lindane	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Alpha-BHC	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Beta-BHC	0.036	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.042	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aldrin	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	0.014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin aldehyde	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin ketone	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	0.0033	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	0.0033	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	0.0033	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan I	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toxaphene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-Chlordane	0.094	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-Chlordane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
bgs = below ground surface
J = analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
I = The lower value for the two columns has been reported due to obvious interference
P = The RPD (Relative Percent Difference) between the results for the two columns exceeds the method-specified criteria.
ND = the analyte was not detected
NA = Not an analyte
~ = no regulatory limit for this analyte
= exceedance of Unrestricted Use SCO

Table 10
End-point Soil Sample PCBs Analytical Results Summary
131-24 Avery Avenue
Flushing, NY 11355
Project No. 17116

Sample ID Date Sampled Matrix Depth (ft) Units	Part 375 Unrestricted Use SCO Criteria mg/kg	PE-WEP-1-PCB-2 7/22/2019 Soil 20 bgs mg/kg	WEP-02 6/13/2019 Soil 18 bgs mg/kg	PE-WEP-3-PCB-2 7/22/2019 Soil 20 bgs mg/kg	WEP-04 6/12/2019 Soil 18 bgs mg/kg	PE-WEP-5-PCB-2 6/28/2019 Soil 20 bgs mg/kg	PE-WEP-6-PCB-1 6/28/2019 Soil 19 bgs mg/kg	WEP-07 6/12/2019 Soil 18 bgs mg/kg	PE-WEP-8-PCB-2 7/9/2019 Soil 20 bgs mg/kg	WEP-09 6/12/2019 Soil 18 bgs mg/kg	WEP-10 6/17/2019 Soil 18 bgs mg/kg	PE-WEP-11-PCB-1 7/2/2019 Soil 19 bgs mg/kg
Polychlorinated Biphenyls (PCBs)												
Aroclor 1016	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	0.1	ND	0.00715 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	0.1	0.0158 J	0.00799 J	0.00735 J	0.0585	0.005 J	ND	0.0794	ND	0.0288	0.061	ND
Aroclor 1260	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1262	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1268	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCBs, Total	0.1	0.0158 J	0.0151 J	0.00735 J	0.0585	0.005 J	ND	0.0794	ND	0.0288	0.061	ND

Notes:
bgs = below ground surface
J = analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
ND = the analyte was not detected
NA = Not an analyte
~ = no regulatory limit for this analyte
= exceedance of Unrestricted Use SCO

Table 10
End-point Soil Sample PCBs Analytical Results Summary
131-24 Avery Avenue
Flushing, NY 11355
Project No. 17116

Sample ID Date Sampled Matrix Depth (ft) Units	Part 375 Unrestricted Use SCO Criteria mg/kg	PE-WEP-12-PCB-1 7/2/2019 Soil 19 bgs mg/kg	PE-WEP-13-PCB-3 7/12/2019 Soil 21 bgs mg/kg	PE-WEP-14-PCB-1 7/3/2019 Soil 19 bgs mg/kg	WEP-15 7/1/2019 Soil 18 bgs mg/kg	WEP-16 7/3/2019 Soil 18 bgs mg/kg	WEP-66 7/3/2019 Soil Duplicate 18 bgs mg/kg	WEP-17 7/3/2019 Soil 18 bgs mg/kg	WEP-18 7/8/2019 Soil 18 bgs mg/kg	WEP-19 7/3/2019 Soil 18 bgs mg/kg	WEP-20 7/10/2019 Soil 18 bgs mg/kg	WEP-21 7/8/2019 Soil 18 bgs mg/kg	WEP-22 7/3/2019 Soil 18 bgs mg/kg
Polychlorinated Biphenyls (PCBs)													
Aroclor 1016	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	0.1	ND	ND	ND	0.0257 J	ND	0.0295 J	ND	0.0288 J	ND	ND	ND	ND
Aroclor 1260	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1262	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1268	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCBs, Total	0.1	ND	ND	ND	0.0257 J	ND	0.0295 J	ND	0.0288 J	ND	ND	ND	ND

Notes:
bgs = below ground surface
J = analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
ND = the analyte was not detected
NA = Not an analyte
~ = no regulatory limit for this analyte
= exceedance of Unrestricted Use SCO

Table 10
End-point Soil Sample PCBs Analytical Results Summary
131-24 Avery Avenue
Flushing, NY 11355
Project No. 17116

Sample ID **Date Sampled** **Matrix** **Depth (ft)** **Units**	**Part 375 Unrestricted Use SCO** **Criteria** mg/kg	**WEP-23** **7/10/2019** **Soil** **18 bgs** **mg/kg**	**WEP-73** **7/10/2019** **Soil Duplicate** **18 bgs** **mg/kg**	**PE-WEP-24-PCB-1** **7/8/2019** **Soil** **19 bgs** **mg/kg**
Polychlorinated Biphenyls (PCBs)				
Aroclor 1016	0.1	ND	ND	ND
Aroclor 1221	0.1	ND	ND	ND
Aroclor 1232	0.1	ND	ND	ND
Aroclor 1242	0.1	ND	ND	ND
Aroclor 1248	0.1	ND	ND	ND
Aroclor 1254	0.1	ND	ND	ND
Aroclor 1260	0.1	ND	ND	ND
Aroclor 1262	0.1	ND	ND	ND
Aroclor 1268	0.1	ND	ND	ND
PCBs, Total	0.1	ND	ND	ND

Notes:
bgs = below ground surface
J = analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
ND = the analyte was not detected
NA = Not an analyte
~ = no regulatory limit for this analyte
= exceedance of Unrestricted Use SCO

Table 11
End-point Soil Sample Metals Analytical Results Summary
131-24 Avery Avenue
Flushing, NY 11355
Project No. 17116

Sample ID Date Sampled Matrix Depth (ft) Units	Part 375 Unrestricted Use SCO Criteria mg/kg	WEP-01 6/13/2019 Soil 18 bgs mg/kg	WEP-02 6/13/2019 Soil 18 bgs mg/kg	WEP-03 6/12/2019 Soil 18 bgs mg/kg	WEP-04 6/12/2019 Soil 18 bgs mg/kg	WEP-05 6/13/2019 Soil 18 bgs mg/kg	WEP-06 6/13/2019 Soil 18 bgs mg/kg	WEP-07 6/12/2019 Soil 18 bgs mg/kg	WEP-08 6/13/2019 Soil 18 bgs mg/kg	WEP-09 6/12/2019 Soil 18 bgs mg/kg	WEP-10 6/17/2019 Soil 18 bgs mg/kg	WEP-11 6/13/2019 Soil 18 bgs mg/kg	WEP-12 6/12/2019 Soil 18 bgs mg/kg	WEP-13 6/12/2019 Soil 18 bgs mg/kg	WEP-14 6/12/2019 Soil 18 bgs mg/kg	WEP-15 7/1/2019 Soil 18 bgs mg/kg	WEP-16 7/3/2019 Soil 18 bgs mg/kg
Total Metals																	
Aluminum, Total	~	2090	1780	4760	3950	4600	2220	5460	3610	4740	9030	6460	9290	6000	1960	5440	4830
Antimony, Total	~	ND	0.398 J	0.502 J	1.06 J	0.567 J	0.361 J	0.628 J	0.573 J	0.505 J	ND	0.728 J	0.364 J	ND	0.479 J	0.535 J	ND
Arsenic, Total	13	0.327 J	0.654 J	0.884 J	1.32	1.08	0.537 J	1.05	1.02	0.868 J	0.954	1.18	0.701 J	1.13	0.412 J	0.982	ND
Barium, Total	350	13.6	17	31.6	27.6	29.7	12.8	51.3	21.3	33	68.1	41.8	77.7	37	10.4	37.9	73.4
Beryllium, Total	7.2	0.338 J	0.19 J	0.242 J	0.244 J	0.243 J	0.114 J	0.305 J	0.197 J	0.239 J	0.321 J	0.296 J	0.437 J	0.326 J	0.105 J	0.316 J	0.179 J
Cadmium, Total	2.5	ND	0.266 J	ND	ND	0.288 J	0.158 J	ND	0.26 J	ND	0.68 J	0.347 J	ND	ND	ND	0.351 J	0.217 J
Calcium, Total	~	1080	568	1190	1210	953	670	582	895	1120	1210	1360	1280	1440	896	728	666
Chromium, Total	~	7.21	8.05	12.5	11.1	14.3	6.79	18.2	12.2	15.1	30.8	20.6	29.6	23.2	4.79	19.2	23.9
Cobalt, Total	~	4.74	4.93	8.51	5.93	5.25	2.63	6.06	4.14	6.24	9.33	6.6	11.2	6.69	3.07	5.84	10.1
Copper, Total	50	9.38	10.2	15.1	10.6	12.6	6.2	20.7	9.45	12.4	20.4	16.5	17.6	15.4	10	21	10.8
Iron, Total	~	11200	8610	14300	13100	11800	5900	22600	11300	12000	17300	14400	22000	13400	7030	13600	21000
Lead, Total	63	1.66 J	1.74 J	2.92 J	3.44 J	3.19 J	1.72 J	3.2 J	2.36 J	3.06 J	4.58 J	3.54 J	3.22 J	5.66	1.83 J	2.18 J	3.14 J
Magnesium, Total	~	1120	850	4250	2060	1510	902	1680	1130	1940	2570	1940	2190	1870	1190	1360	1390
Manganese, Total	1600	200	270	256	226	216	125	455	175	185	168	273	282	236	128	208	543
Mercury, Total	0.18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, Total	30	7.2	10.7	28	12	10.9	5.99	11.3	8.62	11.9	15	13.4	13.4	14	6.12	10.1	12.6
Potassium, Total	~	373	284	951	1120	815	372	1110	632	1210	1850	1110	2500	1000	483	908	1040
Selenium, Total	3.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.254 J	ND	ND	ND	ND	ND
Silver, Total	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	~	125 J	55.5 J	113 J	141 J	69 J	40.7 J	95.9 J	67.4 J	83.9 J	133 J	108 J	90.1 J	83 J	64.6 J	67.4 J	57.8 J
Thallium, Total	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	~	13.5	10.7	22.8	21.5	21.6	10.4	40.4	19.6	23.6	35.9	28.3	40.5	27.1	8.58	30	37.7
Zinc, Total	109	21.1	13.5	22.6	22.2	17.5	9.64	23.9	15.2	23.8	29.4	21.8	34.2	24.8	11.1	18.1	22.1

Notes:
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~ = no regulatory limit for this analyte
= exceedance of Unrestricted Use SCO

Table 11
End-point Soil Sample Metals Analytical Results Summary
131-24 Avery Avenue
Flushing, NY 11355
Project No. 17116

Sample ID Date Sampled Matrix Depth (ft) Units	Part 375 Unrestricted Use SCO Criteria mg/kg	WEP-66 7/3/2019 Soil Duplicate 18 bgs mg/kg	WEP-17 7/3/2019 Soil 18 bgs mg/kg	WEP-18 7/8/2019 Soil 18 bgs mg/kg	PE-WEP-18-COPPER-1 7/9/2019 Soil 19 bgs mg/kg	WEP-19 7/3/2019 Soil 18 bgs mg/kg	WEP-20 7/10/2019 Soil 18 bgs mg/kg	WEP-21 7/8/2019 Soil 18 bgs mg/kg	WEP-22 7/3/2019 Soil 18 bgs mg/kg	PE-WEP-22-NICKEL-1 7/9/2019 Soil 19 bgs mg/kg	WEP-23 7/10/2019 Soil 18 bgs mg/kg	WEP-73 7/10/2019 Soil Duplicate 18 bgs mg/kg	WEP-24 7/8/2019 Soil 18 bgs mg/kg
Total Metals													
Aluminum, Total	~	2640	9000	11500	NA	8450	1700	2870	8400	NA	2950	1840	2810
Antimony, Total	~	ND	ND	1.48 J	NA	ND	ND	0.673 J	ND	NA	0.467 J	0.366 J	ND
Arsenic, Total	13	ND	1.51	3.02	NA	0.488 J	0.518 J	1.37	0.762 J	NA	0.572 J	ND	ND
Barium, Total	350	14	126	85.5	NA	59.8	10.7	14.4	30.4	NA	15.8	8.34	17.2
Beryllium, Total	7.2	0.091 J	0.194 J	0.298 J	NA	0.163 J	0.166 J	0.157 J	0.329 J	NA	0.295 J	0.169 J	0.11 J
Cadmium, Total	2.5	ND	0.212 J	ND	NA	0.163 J	ND	ND	0.489 J	NA	ND	ND	ND
Calcium, Total	~	362	1620	2100	NA	1400	216	205	1090	NA	253	159	352
Chromium, Total	~	12.7	28.3	42.8	NA	25.5	11.4	16.3	152	NA	17.6	12.2	10.2
Cobalt, Total	~	4.63	9.96	11.4	NA	9.61	2.93	3.88	10.4	NA	8.49	5.17	5.94
Copper, Total	50	7.67	19.8	-	5.7	24.8	4.35	7.74	23.6	NA	9.25	5.82	4.68
Iron, Total	~	5980	18000	34100	NA	17500	7630	14700	40900	NA	12300	7140	6170
Lead, Total	63	2.02 J	4.53	2.57 J	NA	4.61	1.65 J	1.3 J	3.46 J	NA	1.58 J	1.11 J	1.5 J
Magnesium, Total	~	643	3230	2840	NA	2660	485	629	3720	NA	719	432	578
Manganese, Total	1600	103	1020	254	NA	243	114	102	191	NA	122	80.5	280
Mercury, Total	0.18	ND	ND	ND	NA	ND	ND	ND	ND	NA	ND	ND	ND
Nickel, Total	30	5.38	20.1	20.7	NA	14	3.54	5.81	-	4.26	6.25	4.65	3.82
Potassium, Total	~	548	1850	549	NA	1710	368	502	522	NA	613	370	461
Selenium, Total	3.9	ND	0.345 J	ND	NA	ND	ND	ND	ND	NA	ND	ND	ND
Silver, Total	2	ND	ND	ND	NA	ND	ND	ND	ND	NA	ND	ND	ND
Sodium, Total	~	54.4 J	81.6 J	293	NA	82.4 J	36.6 j	68.4 J	61.2 J	NA	57 J	42.3 J	27.3 J
Thallium, Total	~	ND	ND	ND	NA	ND	ND	ND	ND	NA	ND	ND	ND
Vanadium, Total	~	14	39	61.3	NA	37.7	21.8	16.8	58.3	NA	19.9	12.4	13
Zinc, Total	109	11.5	33.8	22.6	NA	30.8	11.1	10.9	45	NA	13	7.87	10

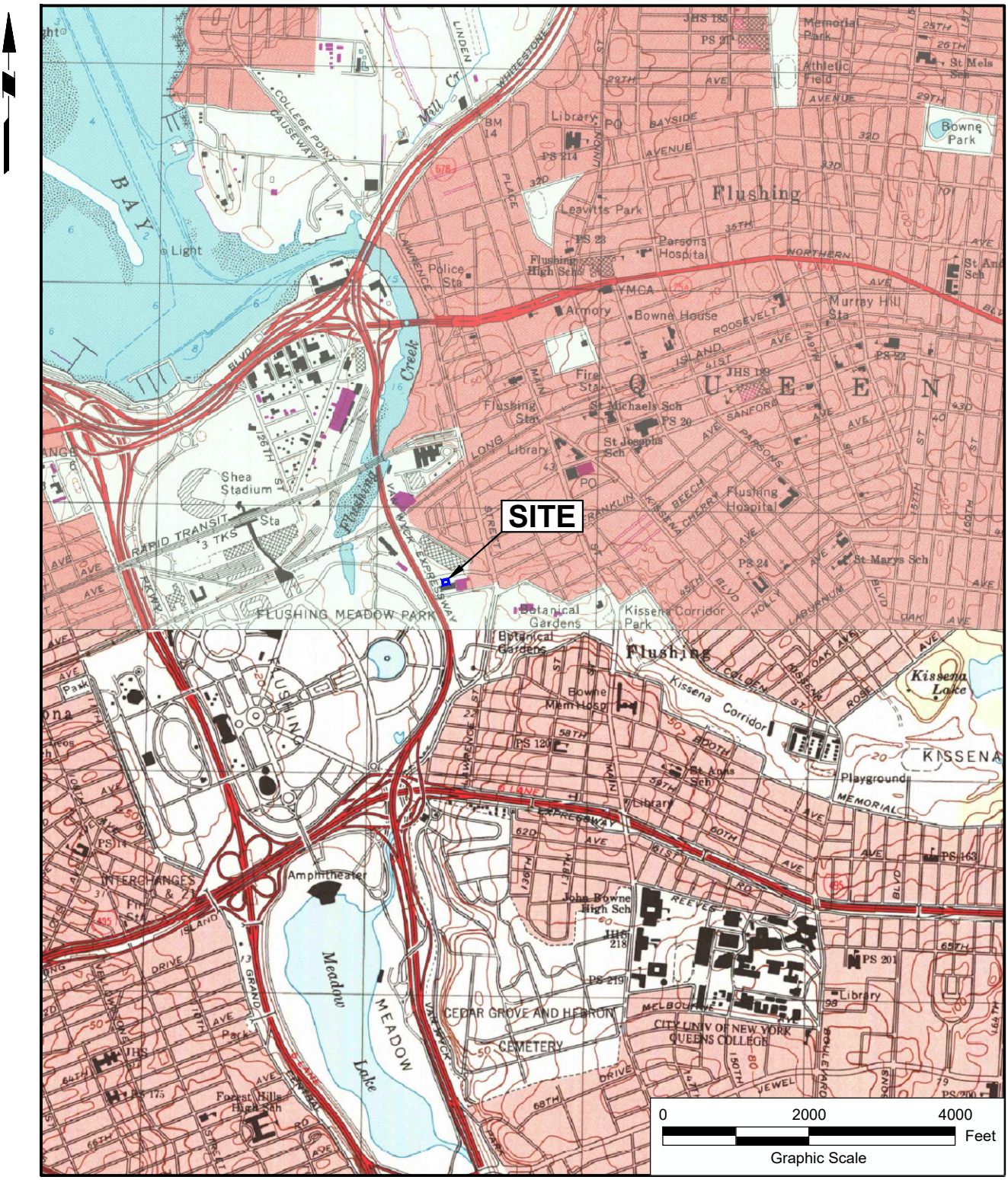
Notes:
bgs = below ground surface
J = analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
ND = the analyte was not detected
NA = Not an analyte
~ = no regulatory limit for this analyte
= exceedance of Unrestricted Use SCO

Table 12
Over-excavation End-Point Soil Sample PCBs Analytical Results Summary
131-24 Avery Avenue
Flushing, NY 11355
Project No. 17116

Sample ID Date Sampled Matrix Depth (ft) Units	Part 375 Unrestricted Use SCO Criteria mg/kg	PE-V-3-PCB-2 7/22/2019 Soil 20 bgs mg/kg	PE-V-6-PCB-2 7/9/2019 Soil 20 bgs mg/kg	PE-V-8-PCB-2 7/9/2019 Soil 19 bgs mg/kg	PE-V-11-PCB-2 7/2/2019 Soil 20 bgs mg/kg	PE-V-12-PCB-1 6/28/2019 Soil 19 bgs mg/kg	PE-V-15-PCB-1 7/3/2019 Soil 18 bgs mg/kg	PE-V-1520-PCB-1 7/3/2019 Soil 18 bgs mg/kg	PE-V-21-PCB-3 7/16/2019 Soil 21 bgs mg/kg	PE-V-32-PCB-3 7/12/2019 Soil 20 bgs mg/kg
Polychlorinated Biphenyls (PCBs)										
Aroclor 1016	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	0.1	0.0889	ND	ND	ND	0.00713 J	0.00933 J	ND	0.0163 J	ND
Aroclor 1260	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1262	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1268	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCBs, Total	0.1	0.0889	ND	ND	ND	0.00713 J	0.00933 J	ND	0.0163 J	ND

Notes:
bgs = below ground surface
J = analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
ND = the analyte was not detected
NA = Not an analyte
~ = no regulatory limit for this analyte
= exceedance of Unrestricted Use SCO

FIGURES



MAP REFERENCE: U.S. Geological Survey Topographic Map - Flushing Quadrangle 1995, Jamaica Quadrangle 1994.

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PROJECT SITE MAP

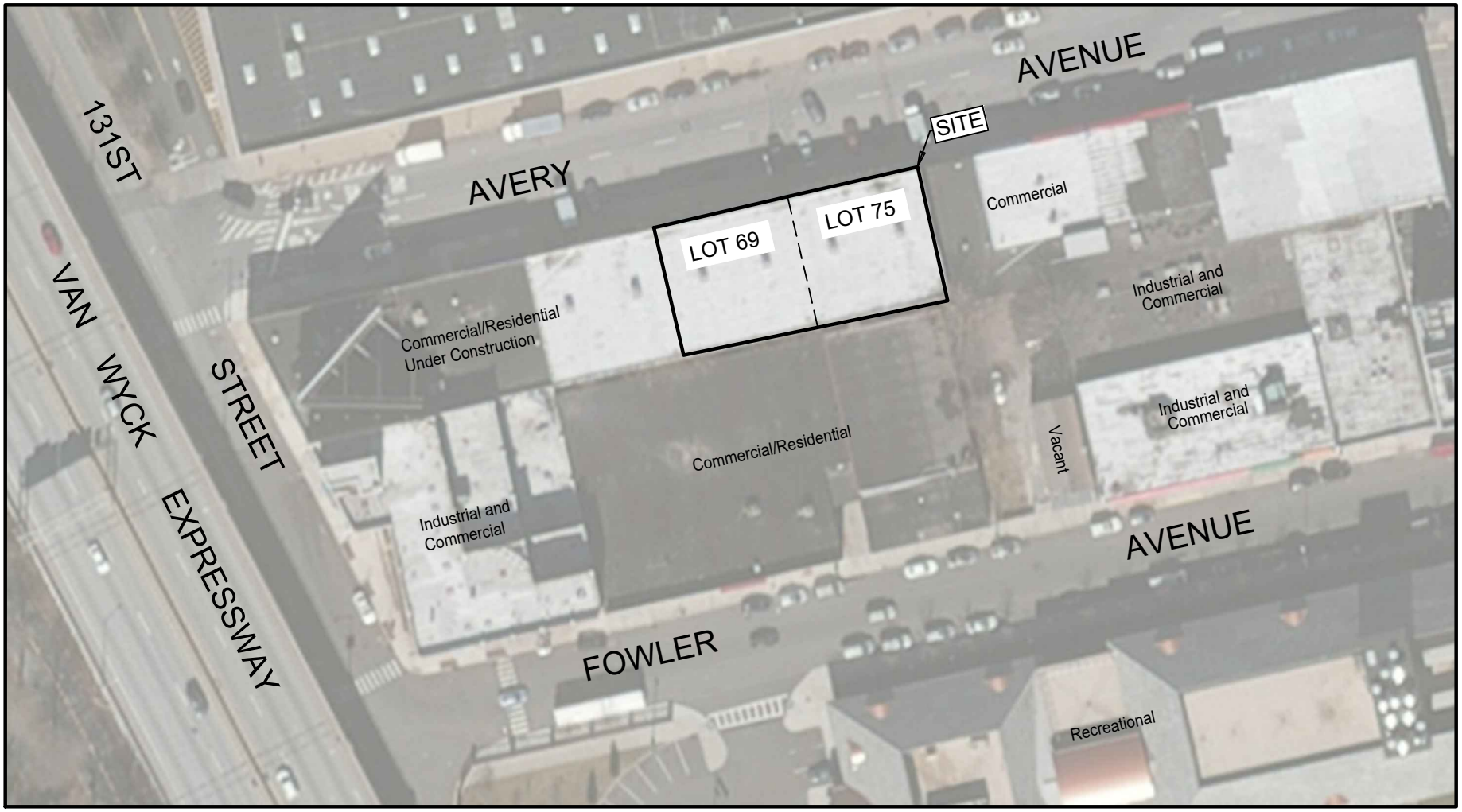
131-24 TO 131-32 AVERY AVENUE
SITE ID: C241229

FLUSHING

QUEENS NEW YORK

JOB NO.: 17116	SCALE: As Shown	DATE: 09/22/20	FIG. 1

P:\17\17116 Avery Avenue Site\Final Engineering Report\131-10 Avery Avenue\Figures\dwg\ Figure 1 - Site Location Map.dwg Sep 22, 2020 - 3:27pm hluo



BASEMAP SOURCE: GOOGLE EARTH

0 50 100 200 Feet

Graphic Scale

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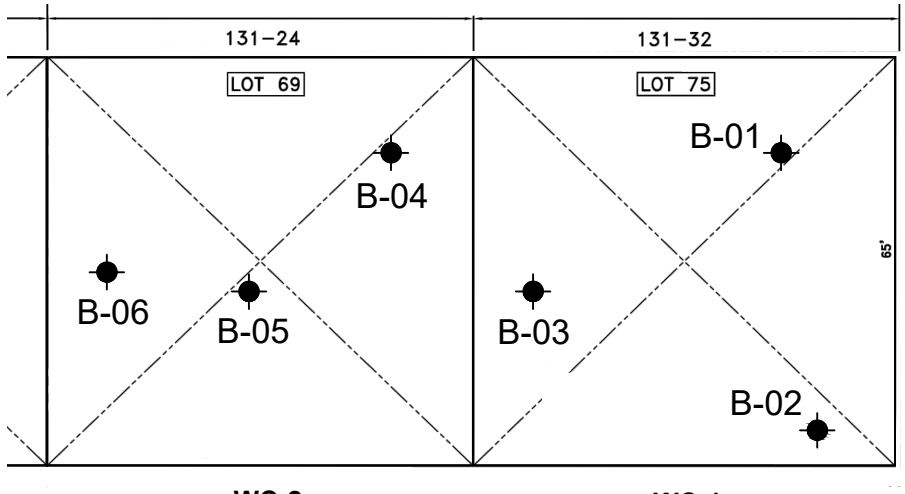
FINER SCALE SITE PLAN
131-24 TO 131-32 AVERY AVENUE
SITE ID: C241229

QUEENS

FLUSHING NEW YORK

JOB NO.: 17116	SCALE: As Shown	DATE: 09/22/20	FIG. 2

P:\17\17116 Avery Avenue Site\Final Engineering Report\131-24 Avery Avenue\Figures\dwg\ Figure 2 - Site Plan Map.dwg Sep 22, 2020 - 3:31pm hluo



LEGEND:

WASTE CLASSIFICATION BORING LOCATION

WASTE CLASSIFICATION AREA BOUNDARY

0 15 30 60 Feet

NOTES:

1. BASE MAP IS OBTAINED FROM THE NOTIFICATION OF SELF-IMPLEMENTATION PLAN FOR PCB AT PROPERTY ADDRESS 131-10/18/24/32 AVERY AVENUE, FLUSHING, NY 11355, DATED SEPTEMBER 8, 2016, FIGURE 4 "SOIL BORINGS LOCATION PLAN FOR PROPOSED ADDITIONAL PCB DELINEATION & FINAL DISPOSITION".

YU & Associates, Inc.
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Certificate of Authorization #24GA27976700

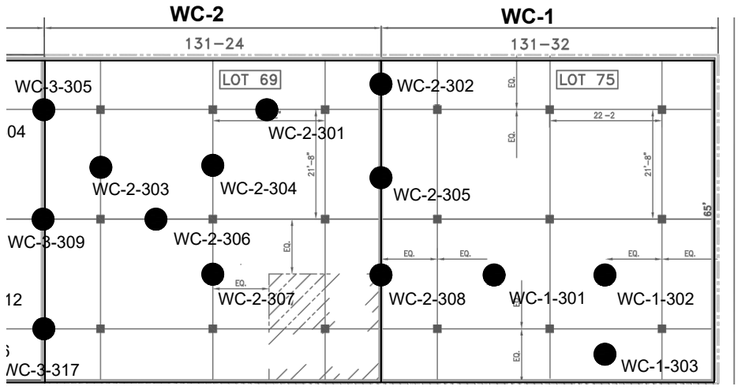
WASTE CLASSIFICATION SOIL SAMPLE LOCATION MAP 131-24 AVERY AVE

FLUSHING

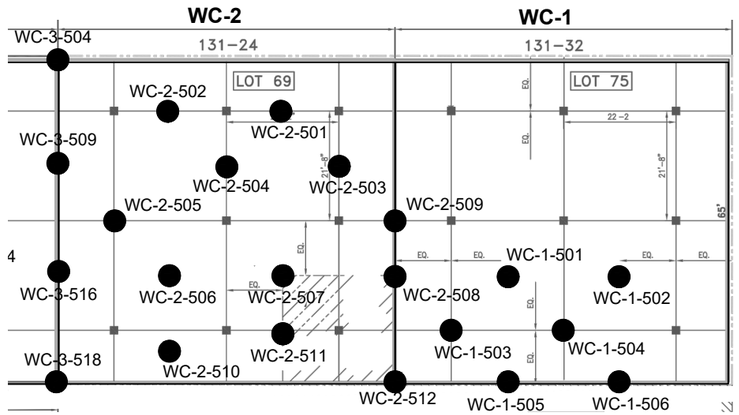
QUEENS NEW YORK

JOB NO.: 17116	SCALE: As Shown	DATE: 9/11/2020	FIG. 3

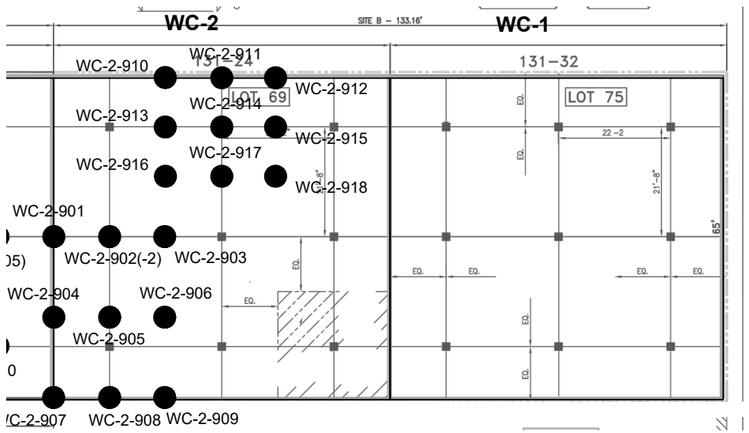
P:\17\17116 Avery Avenue Site\Final Engineering Report\131-24 Avery Avenue\Figures\dwg\ Waste Classification Boring Location.dwg Sep 24, 2020 - 5:03pm hluo



ADDITIONAL PCB SAMPLE LOCATIONS ON SURFACE LEVEL



ADDITIONAL SAMPLE LOCATIONS AFTER 0-3 FEET INTERVAL EXCAVATIONS



ADDITIONAL SAMPLE LOCATIONS AFTER 3-5 FEET INTERVAL EXCAVATIONS

LEGEND:

- ● ADDITIONAL PCB SAMPLE LOCATION
- ▭ WASTE CLASSIFICATION AREA BOUNDARY

NOTES:

1. BASE MAP IS OBTAINED FROM THE NOTIFICATION OF SELF-IMPLEMENTATION PLAN FOR PCB AT PROPERTY ADDRESS 131-10/18/24/32 AVERY AVENUE, FLUSHING, NY 11355, DATED SEPTEMBER 8, 2016, FIGURE 4 "SOIL BORINGS LOCATION PLAN FOR PROPOSED ADDITIONAL PCB DELINEATION & FINAL DISPOSITION".
2. THE SAMPLE LOCATIONS ARE BASED ON FIELD MEASUREMENTS AND ARE APPROXIMATE.

0 15 30 60 Feet

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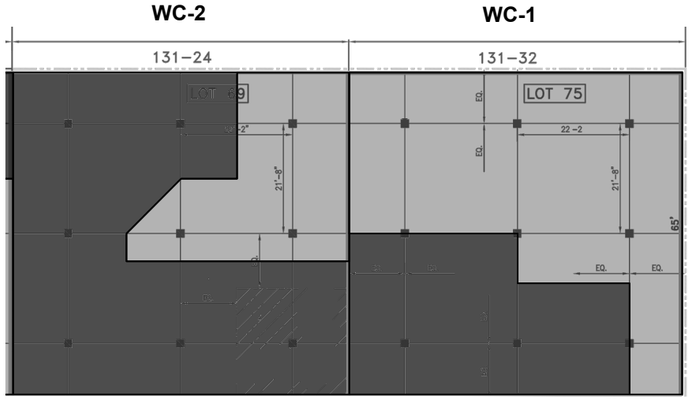
ADDITIONAL PCB DELINEATION SOIL SAMPLE LOCATION MAP

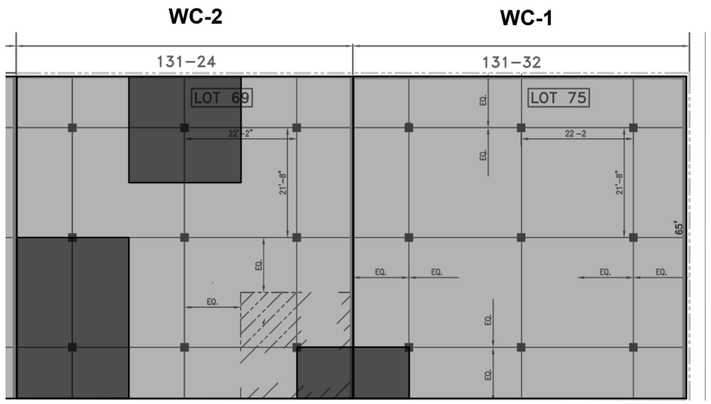
131-24 AVERY AVE
FLUSHING
QUEENS NEW YORK

JOB NO.: 17116	SCALE: AS SHOWN	DATE: 05/08/2020	FIG. 4

P:\17\17116 Avery Avenue Site\Final Engineering Report\131-24 Avery Avenue\Figures\dwg\ Waste Classification Boring Location.dwg Sep 24, 2020 - 5:38pm hluo



0-3 FEET INTERVAL EXCAVATIONS



3-5 FEET INTERVAL EXCAVATIONS

LEGEND:

- WASTE CLASSIFICATION AREA BOUNDARY
- TSCA PCB HAZARDOUS SOIL
- PCB IMPACTED SOIL

0 15 30 60 Feet

NOTES:

1. BASE MAP IS OBTAINED FROM THE NOTIFICATION OF SELF-IMPLEMENTATION PLAN FOR PCB AT PROPERTY ADDRESS 131-10/18/24/32 AVERY AVENUE, FLUSHING, NY 11355, DATED SEPTEMBER 8, 2016, FIGURE 4 "SOIL BORINGS LOCATION PLAN FOR PROPOSED ADDITIONAL PCB DELINEATION & FINAL DISPOSITION".
2. THE SAMPLE LOCATIONS ARE BASED ON FIELD MEASUREMENTS AND ARE APPROXIMATE.

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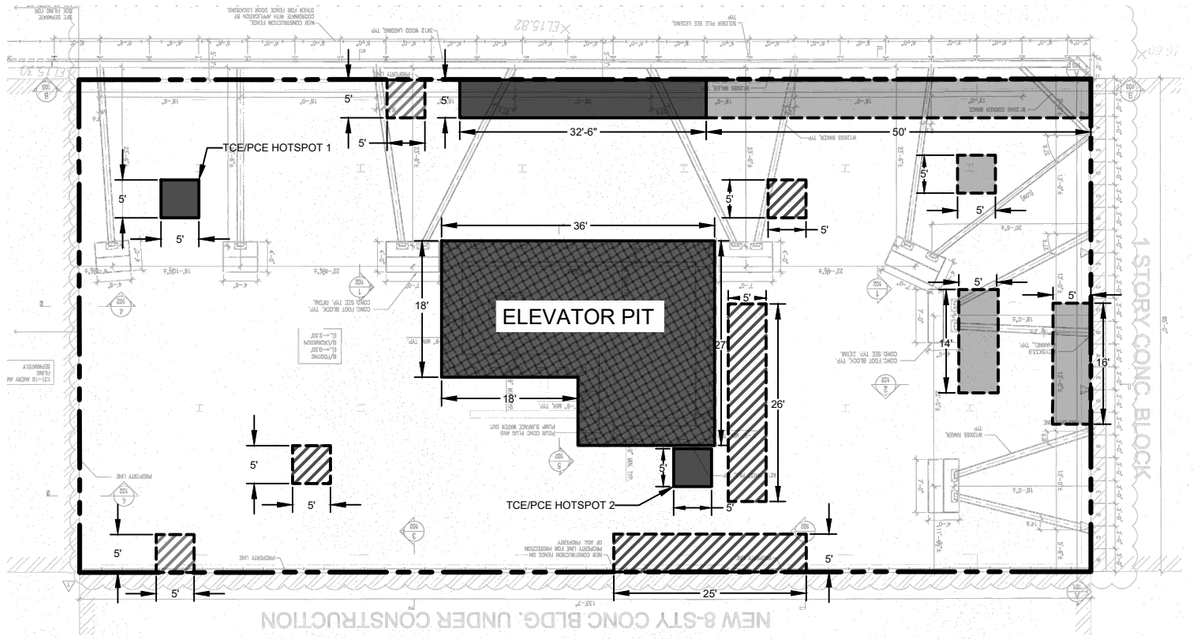
PCB HAZARDOUS AND PCB IMPACTED SOIL LOCATION MAP
131-24 AVERY AVE
FLUSHING
QUEENS NEW YORK

JOB NO.: 17116	SCALE: AS SHOWN	DATE: 09/22/2020	FIG. 5



LEGEND:

- SITE BOUNDARY
- 1 FT OVEREXCAVATION
- 2 FT OVEREXCAVATION
- 3 FT OVEREXCAVATION
- 8 FT OVEREXCAVATION FOR ELEVATOR PIT

NOTES:

1. THE BASE MAP IS EXTRACTED FROM THE SUPPORT OF EXCAVATION (SOE) MAP PREPARED BY TIMES BUILDINGS PC ON MAY 20, 2019.
2. LOCATION AND DIMENSION OF THE OVEREXCAVATION AREA IS BASED ON FIELD MEASUREMENTS AND IS APPROXIMATE

0 10 20 40 Feet

Graphic Scale

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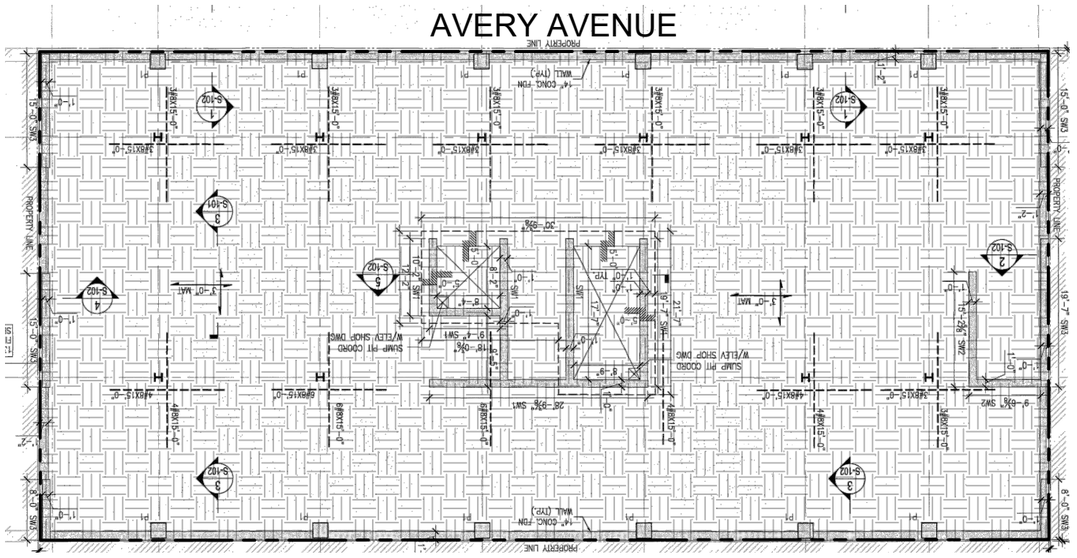
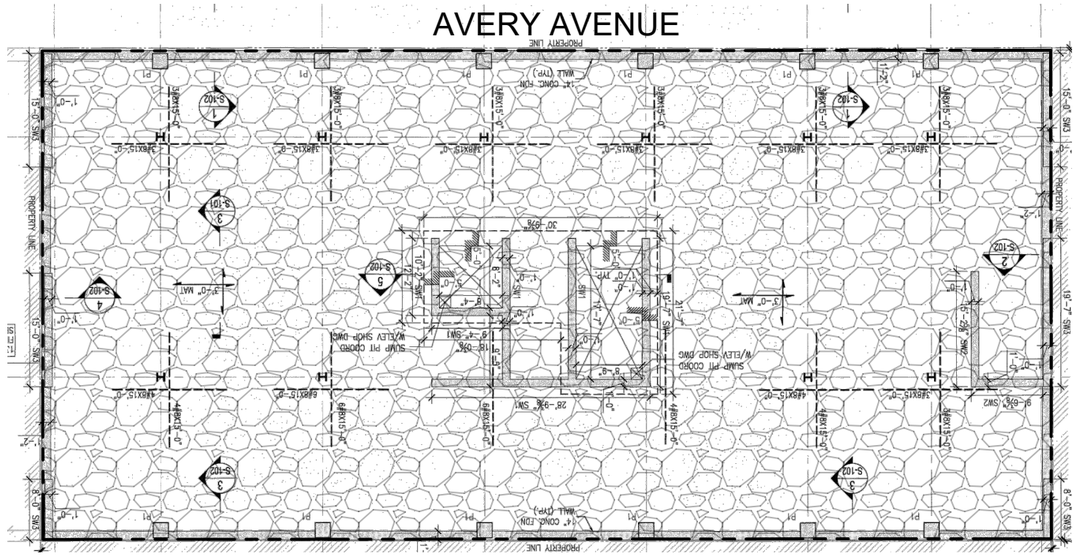
OVER-EXCAVATION MAP

131-24 TO 131-32 AVERY AVENUE
SITE ID: C241229
FLUSHING
QUEENS NEW YORK

JOB NO.: 17116	SCALE: AS SHOWN	DATE: 05/01/2020	FIG. 6



CUT



FILL

LEGEND:

- SITE BOUNDARY
- SOIL EXCAVATION TO APPROXIMATE 18 FT BGS
- 20-INCH-THICK OF ASTM #57 STONE

NOTES:

1. THE BASE MAP IS EXTRACTED FROM THE SUPPORT OF EXCAVATION (SOE) MAP PREPARED BY TIMES BUILDINGS PC ON MAY 20, 2019.
2. MATERIALS PROPOSED FOR BACKFILL ON SITE WAS APPROVED BY THE REMEDIAL ENGINEER PRIOR TO DELIVERY ON SITE.

0 10 20 Feet

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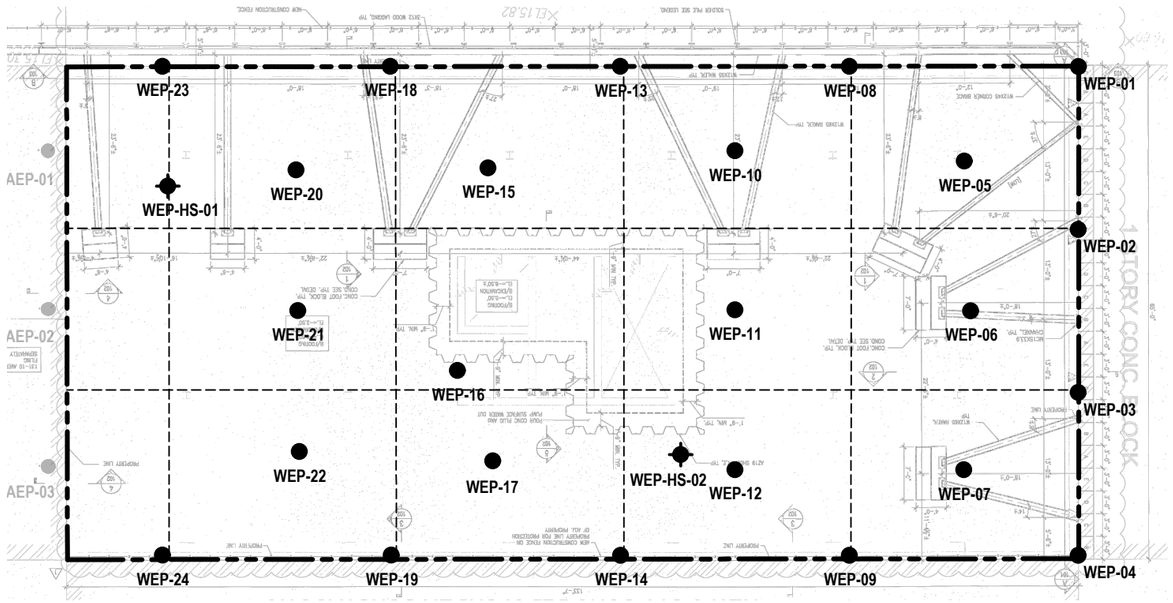
CUT AND FILL THICKNESS MAP

131-24 & 131-32 AVERY AVENUE
SITE ID: C241229
FLUSHING
QUEENS NEW YORK

JOB NO.: 17116	SCALE: AS SHOWN	DATE: 12/01/20	FIG. 7

AVERY AVENUE



LEGEND:

- SITE BOUNDARY
- WEP-X — END POINT SAMPLE LOCATION AND DESIGNATION NUMBER
- WEP-HS-XX — END POINT SAMPLE LOCATION FOR TCE/PCE HOTSPOT EXCAVATION AREAS AND DESIGNATION NUMBER

NOTES:

1. THE BASE MAP IS EXTRACTED FROM THE SUPPORT OF EXCAVATION (SOE) MAP PREPARED BY TIMES BUILDINGS PC ON MAY 20, 2019.
2. END POINT SAMPLING IN ACCORDANCE WITH NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONERVATION (NYSDEC) TECHNICAL GUIDANCE FOR SITE INVESTIGATION AND REMEDIATION (DER-10) SECTION 5.4. (1 BOTTOM SAMPLE PER 900 SQUARE FEET)
3. SAMPLE LOCATIONS ARE BASED ON FIELD MEASUREMENTS AND ARE APPROXIMATE.

0 10 20 40 Feet

Graphic Scale

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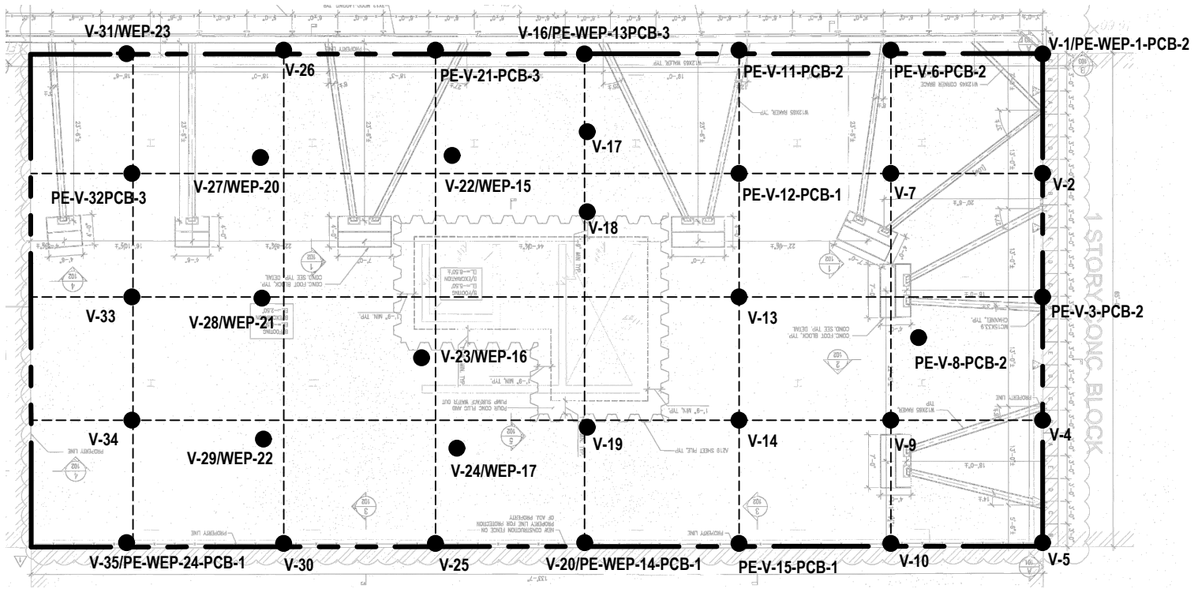
END-POINT SOIL SAMPLE LOCATION MAP

131-24 TO 131-32 AVERY AVENUE
SITE ID: C241229
FLUSHING

QUEENS NEW YORK

JOB NO.: 17116	SCALE: AS SHOWN	DATE: 05/01/2020	FIG. 8

AVERY AVENUE



LEGEND:

SITE BOUNDARY

V-X — PCB VERIFICATION SAMPLE LOCATION AND DESIGNATION NUMBER

PE-V-X-PCB-X — PCB VERIFICATION SAMPLE LOCATION WHERE OVER-EXCAVATION WAS PERFORMED AND DESIGNATION NUMBER

V-X/WEP-X — PCB VERIFICATION SAMPLE LOCATION THAT COINCIDED WITH ANOTHER END POINT SAMPLE LOCATION AND THEIR DESIGNATION NUMBER

NOTES:

1. THE BASE MAP IS EXTRACTED FROM THE SUPPORT OF EXCAVATION (SOE) MAP PREPARED BY TIMES BUILDINGS PC ON MAY 20, 2019.
2. MULTIPLE PCB VERIFICATION SAMPLE LOCATIONS COINCIDED WITH END POINT SAMPLE LOCATIONS AND THESE LOCATIONS WERE INDICATED ON THIS MAP.
3. SAMPLE LOCATIONS ARE BASED ON FIELD MEASUREMENTS AND ARE APPROXIMATE.

0 10 20 40 Feet

Graphic Scale

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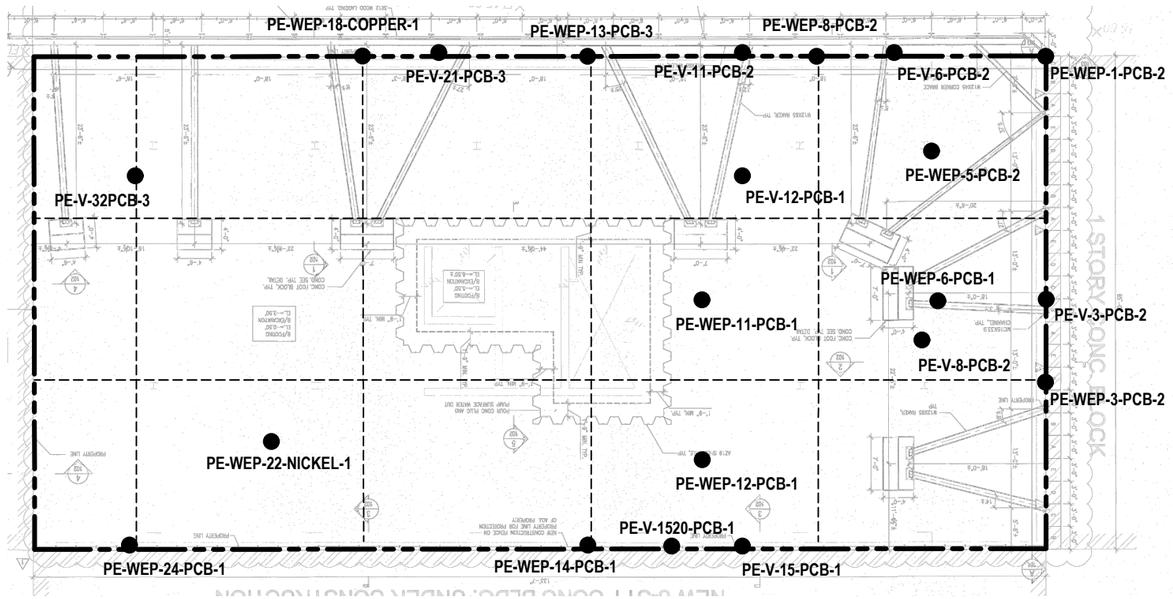
PCB VERIFICATION SAMPLE LOCATION MAP

131-24 TO 131-32 AVERY AVENUE
SITE ID: C241229
FLUSHING
QUEENS NEW YORK

JOB NO.: 17116	SCALE: AS SHOWN	DATE: 05/01/2020	FIG. 9



LEGEND:

SITE BOUNDARY

OVEREXCAVATION SAMPLE LOCATION

NOTES:

1. THE BASE MAP IS EXTRACTED FROM THE SUPPORT OF EXCAVATION (SOE) MAP PREPARED BY TIMES BUILDINGS PC ON MAY 20, 2019.
2. SAMPLE LOCATIONS ARE BASED ON FIELD MEASUREMENTS AND ARE APPROXIMATE.

0 10 20 40 Feet

Graphic Scale

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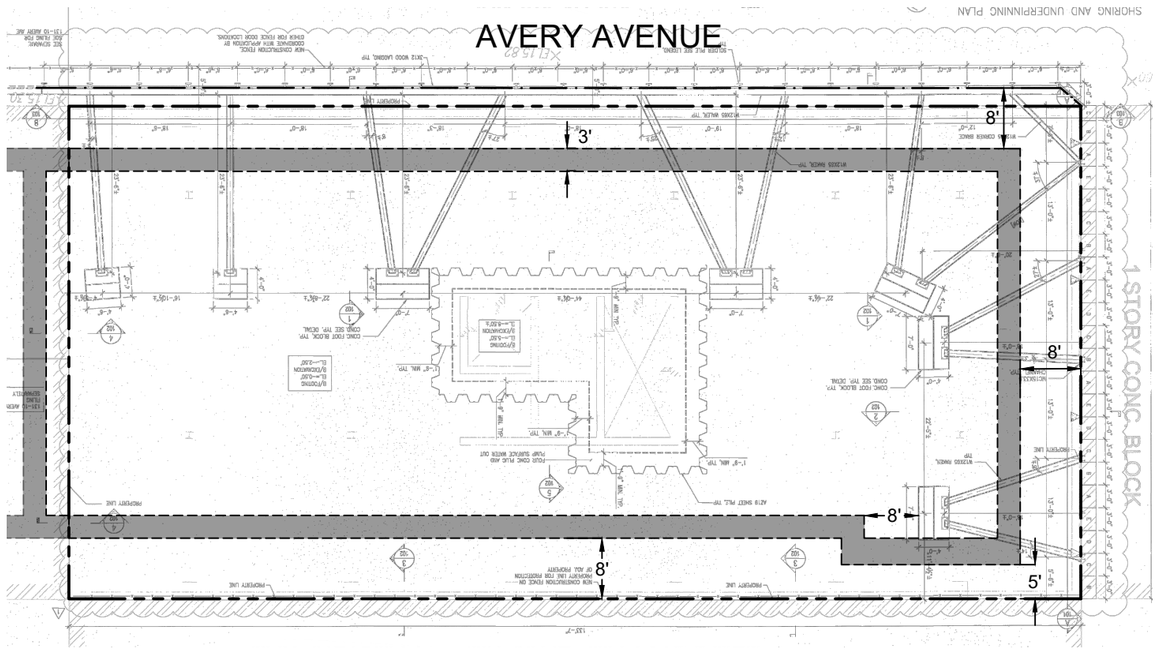
OVER-EXCAVATION END-POINT SOIL SAMPLE LOCATION MAP

131-24 TO 131-32 AVERY AVENUE
FLUSHING
QUEENS NEW YORK

JOB NO.: 17116	SCALE: AS SHOWN	DATE: 05/01/2020	FIG. 10



0 10 20 40 Feet

Graphic Scale

LEGEND:

SITE BOUNDARY

PERMEABLE REACTIVE BARRIER

SUPPORT OF EXCAVATION BOUNDARY

NOTES:

1. THE BASE MAP IS EXTRACTED FROM THE SUPPORT OF EXCAVATION (SOE) MAP PREPARED BY TIMES BUILDINGS PC ON MAY 20, 2019.
2. THE PERMEABLE REACTIVE BARRIER IS 8FT AWAY FROM THE NORTH, EAST AND SOUTH SITE BOUNDARY AS PER THE SOE ENGINEER REQUIREMENTS.
3. THE PERMEABLE REACTIVE BARRIER HAS 8FT SETBACK FROM THE ADJACENT HEELBLOCK AS PER THE SOE ENGINEER REQUIREMENTS.
4. THE OVEREXCAVATION DEPTH FOR PERMEABLE REACTIVE BARRIER IS 5 FEET (FT) BELOW GROUNDWATER LEVEL AND THE WIDTH IS APPROXIMATELY 3 FT.
5. THE PERMEABLE REACTIVE BARRIER IS BACKFILLED WITH FEROX ZERO VALENT ION (ZVI) POWDER MIXED OVEREXCAVATED SOIL.

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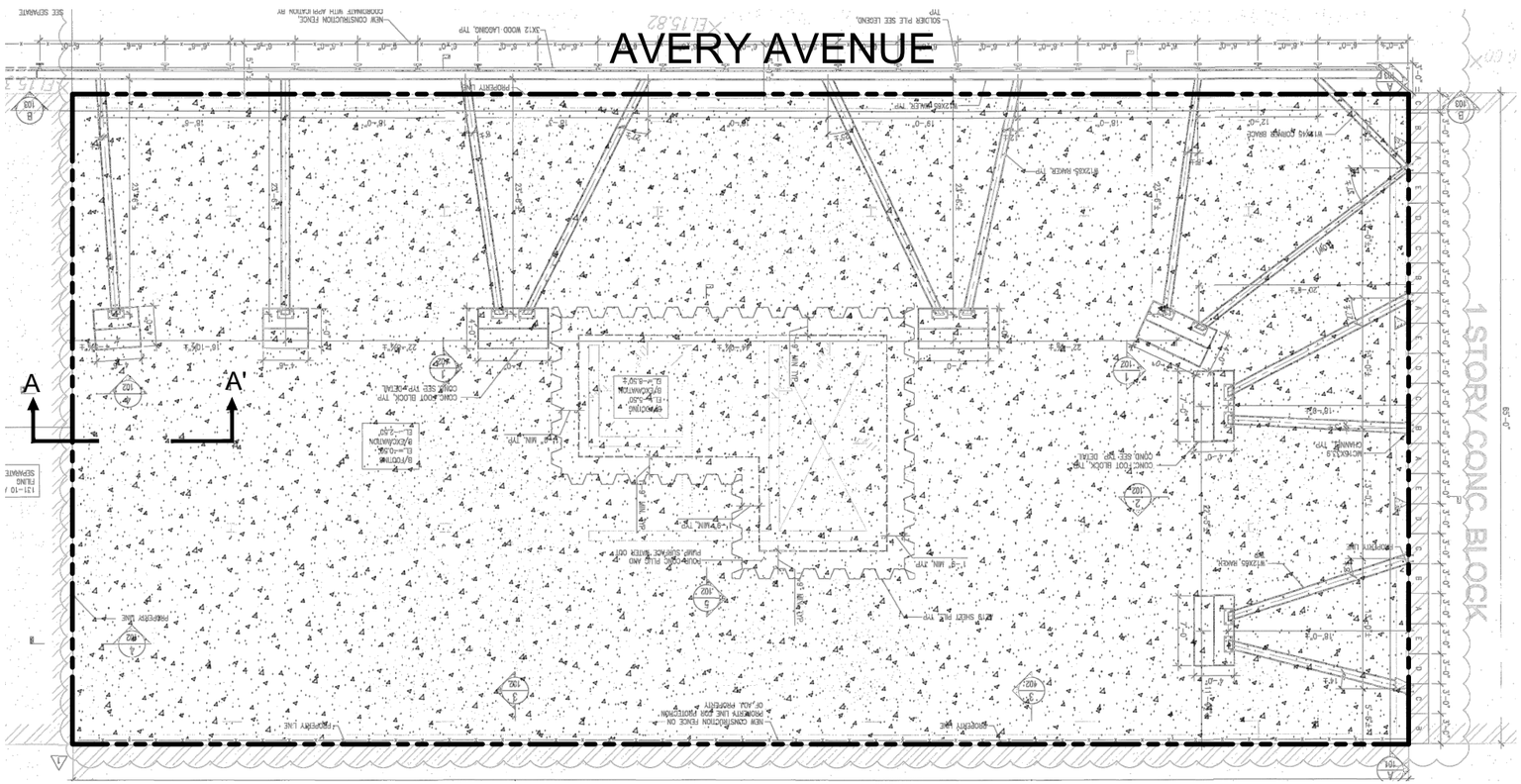
PERMEABLE REACTIVE BARRIER LOCATION MAP

131-24 AVERY AVENUE
SITE ID: C241229
FLUSHING

QUEENS NEW YORK

JOB NO.: 17116	SCALE: AS SHOWN	DATE: 04/08/2020	FIG. 11



LEGEND:

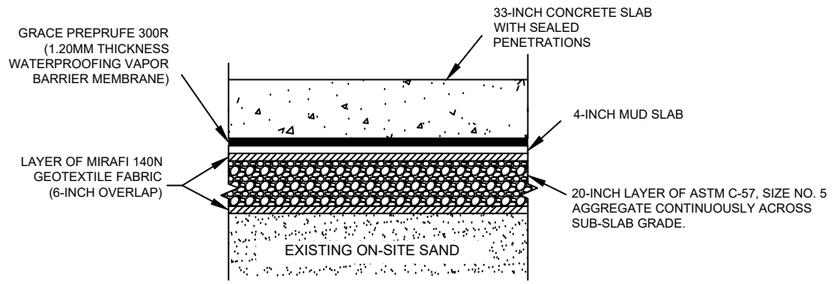
SITE BOUNDARY

AREA COVERED BY 33-INCH-THICK CONCRETE BUILDING SLAB

NOTES:

1. THE BASE MAP IS EXTRACTED FROM THE SUPPORT OF EXCAVATION (SOE) MAP PREPARED BY TIMES BUILDINGS PC ON MAY 20, 2019.
2. CONCRETE SLAB WITH 33-INCH THICKNESS FOR BUILDING MAT FOUNDATION IS LOCATED AT AROUND 18 FEET BELOW GROUND LEVEL.

0 15 30 Feet



TYPICAL SLAB-ON-GRADE CONSTRUCTION DETAILS (A-A')
(N.T.S)

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BUILDING SLAB CONSTRUCTION AND DETAILS

131-24 & 131-32 AVERY AVENUE
SITE ID: C241229
FLUSHING
QUEENS NEW YORK

JOB NO.: 17116	SCALE: AS SHOWN	DATE: 04/10/20	FIG. 12