FORMER LI TUNGSTEN SITE (E130046)
GLEN COVE, NEW YORK
NYSDEC SPILL #14-05550

VISUALLY STAINED PETROLEUM SOIL INVESTIGATION / REMEDIATION REPORT

SUBMITTED TO:

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ACRONYM	DEFINITION
ARI	Action Remediation, Inc.
bgs	Below Grade Surface
CAMP	Community Air Monitoring Plan
CDA	Community Development Agency
CEI	Cipriano Excavation Inc.
COC	Chain of Custody
EB	Equipment Blank
FD	Field Duplicate
HASP	Health and Safety Plan
LNAPL	Light Non-Aqueous Phase Liquid
MARSSIM	Multi-Agency Radiation Survey and Site Investigation Manual
MDL	Method Detection Limit
m/s	Meters Per Second
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NCDH	Nassau County Department of Health
NPL	National Priority List
NYCRR	New York Codes, Rules, and Regulations
NYSDEC	New York State Department of Environmental Conservation
PCB	Polychlorinated Biphenyls
PID	Photoionization Detector
ppm	Parts Per Million
PWGC	P. W. Grosser Consulting, Inc.
QA/QC	Quality Assurance / Quality Control
RCA	Recycled Concrete Aggregate
ROD	Record of Decision
RMP	Radiation Monitoring Plan
RRUSCO	Restricted Residential Use Soil Cleanup Objective
SEC	Safety and Ecology Corporation
SMP	Site Management Plan
SVOC	Semi-Volatile Organic Compound
SWCL	Site-Wide Cleanup Levels
TB	Trip Blank
USEPA	United States Environmental Protection Agency
UST	Underground Storage Tank
UUSCO	Unrestricted Use Soil Cleanup Objective
VOC	Volatile Organic Compound
XRF	X-Ray Fluorescence

1.0 INTRODUCTION

This Visually Stained Petroleum Soil Investigation / Remediation Report has been prepared by P.W. Grosser Consulting Inc. (PWGC), on behalf of RXR-Glen Isle Partners, LLC for the former Li Tungsten Site (E130046) located in Glen Cove, New York. This report summarized the findings of the visually stained petroleum soil investigation and documents the remedial actions performed at the above referenced property. The scope of work was based upon the requirements of the New York State Department of Environmental Conservation (NYSDEC) for the subject property.

2.0 SITE DESCRIPTION AND BACKGROUND

The Li Tungsten Site (the Site) is a former metal refining facility which operated from 1942 to 1985. The Site was listed on the United States Environmental Protection Agency (USEPA) National Priority List (NPL) as a Federal Superfund Site on October 14, 1992. It is also on the New York State Inactive Hazardous Waste Disposal Sites list.

Multiple remedial actions have taken place on the site since the facility ceased operations which have been documented to have cleaned up the Site for either restricted-residential or commercial use. Post-remedial confirmation sampling identified several areas of concern on the former Li Tungsten Site associated with potential petroleum impact that may not have been addressed by the former remedial actions. In addition, a radiological survey / investigation was conducted across the entire Site in accordance with the Multi-Agency Radiation Survey and Site Investigation Manual (MARSSIM). In order to perform the survey / investigation, the existing concrete slab at the Site was demolished so the survey / investigation could be performed across the exposed soils beneath the slab.

On Friday, August 8, 2014, during concrete removal in the central portion of Parcel A, light non-aqueous phase liquid (LNAPL) was observed at the surface directly under the concrete. The LNAPL appeared to be consistent with the thickness of a #4 or #6 Fuel Oil and was observed in a small area adjacent to the former stack foundation. The NYSDEC was notified and spill # 14-05550 was assigned to the site.

3.0 VISUALLY STAINED PETROLEUM INVESTIGATION

Following the discovery of LNAPL on Parcel A, the developer took the initiative to further investigate the Site to determine the potential for additional petroleum contamination to be present.

3.1 Parcel A LNAPL Investigation

On Monday, August 18, 2014, the NYSDEC (Mr. Nick Acampora) mobilized to the site with the developer and the City of Glen Cove to inspect the area where LNAPL was observed to determine appropriate actions necessary to address the impact. Since the LNAPL had been soaked up with absorbent pads, NYSDEC requested that a test pit be performed to determine the origin of the LNAPL. Test pits were performed by Cipriano Excavation Inc. (CEI) and overseen by PWGC and Safety and Ecology Corporation (SEC) in accordance with Section 4.4 (Test Pits) of the NYSDEC-approved Pre-Construction Confirmatory / Insurance Data Gap Subsurface Investigation Work Plan dated December 2013.

3.1.1 Radiological Walkover Survey / Scan

An independent radiological walkover survey / scan was not performed as part of this investigation. The area had already been cleared for radiation by SEC as part of the MARSSIM survey.

3.1.2 Test Pit Protocol

At each location, CEI utilized a track mounted excavator to perform the test pit. Prior to excavation, 10-mil polyethylene sheeting, sufficiently large to hold the anticipated excavated soil was laid on the ground in the area where excavated soil was placed. The test pit was performed in two foot lifts and placed on the polyethylene sheeting in individual piles. NYSDEC was onsite to observe the test pit to visually determine the origin of the LNAPL and whether it had reached the groundwater interface.

During excavation, each two foot lift was characterized for the following:

- Visual signs of staining or discoloration

The two foot lifts were placed on the 10-mil polyethylene sheeting in the order they came out of the ground. PWGC documented soil types, changes in lithology, and wastes (if any) encountered in the test pits. Characterization and photos were recorded in a test pit log (**Appendix A**). Below is a description of the activities performed at each of the test pits.

TP-P-001

TP-P-001 was installed in the center of the area where LNAPL was observed at the surface. Medium to fine sands with gravel and some construction debris (cobble and concrete) were observed between 0 to 4 feet below grade surface (bgs). The soils were observed to be stained and saturated with LNAPL. Two steel pipes, two inches in diameter, were encountered at an approximate depth of two feet bgs. The pipes entered the test pit from the north and the LNAPL seepage and stained soil were greatest at this end of the test pit. Groundwater was observed at a depth of 3 feet bgs. LNAPL was observed floating on top of the groundwater and seeping in from the sides of the excavation. The excavation was left open and oil absorbent pads were put into the excavation to absorb the LNAPL. Excavated soils were stockpiled on-Site and covered with polyethylene sheeting.

Based upon the observation of LNAPL on the groundwater, NYSDEC requested additional step-out test pits to determine the horizontal extent of LNAPL. Three test pits were performed surrounding the original test pit to delineate the horizontal extent of LNAPL to the east (TP-P-002), north (TP-P-003), and west (TP-P-004). There was no LNAPL observed leaching in through the southern wall of the original test pit so the NYSDEC did not require a test pit in this direction. Step out test pits were performed roughly 15 feet out in each direction down to the water table.

TP-P-002

TP-P-002 was installed approximately 15 feet away from the eastern edge of TP-P-001. Medium to fine sands with gravel and some construction debris (cobble and concrete) were observed between 0 to 3 feet bgs. Groundwater was observed at a depth of 3 feet bgs. The soils at 3 feet bgs were observed to be stained and had a slight petroleum odor. This soil characterization is consistent with what has been documented at several locations across Parcel A. LNAPL was not observed at the groundwater table or in the soils. The excavation was backfilled with the existing soil, as approved by the NYSDEC in the field.

TP-P-003

TP-P-003 was installed approximately 15 feet away from the northern edge of TP-P-001. Medium to fine sands with gravel and some construction debris (cobble and concrete) were observed between 0 to 3 feet bgs. Groundwater was observed at a depth of 3 feet bgs. The

soils at 3 feet bgs were observed to be stained and had a slight petroleum odor. This soil characterization is consistent with what has been documented at several locations across Parcel A. LNAPL was not observed at the groundwater table or in the soils. The excavation was backfilled with the existing soil, as approved by the NYSDEC in the field.

TP-P-004

TP-P-004 was installed approximately 15 feet away from the western edge of TP-P-001. Medium to fine sands with gravel were observed between 0 to 3 feet bgs. Groundwater was observed at a depth of 3 feet bgs. LNAPL was not observed at the groundwater table or in the soils. The excavation was backfilled with the existing soil, as approved by the NYSDEC in the field.

Based upon the findings, the original extent of LNAPL was believed to encompass an area approximately 30 feet in length by 30 feet in width. Groundwater was encountered between 3 to 4 feet bgs and LNAPL was observed to be floating on top of groundwater.

3.2 Underground Storage Tank Identification

On Friday, August 22, 2014, a 1,500-gallon underground storage tank (UST) was identified near the vicinity of TP-P-001 while clearing away concrete. Mr. Nick Acampora was notified of the UST discovery.

3.3 Visual Petroleum Stained Soil Investigation

On Tuesday, August 26, 2014, PWGC, SEC, and CEI mobilized to the site to install additional test pits throughout the Site at locations where visual petroleum staining was documented during post-remedial confirmation sampling. Ten additional test pits (TP-P-005 through TP-P-014) were performed. TP-P-014 was not performed until January 12, 2015 due to a pile of dredge spoils that were stored on top of the location.

3.3.1 Radiological Walkover Survey / Scan

Prior to the installation of each test pit, a radiological walkover survey/scan was completed over the area to be disturbed following the protocols established in the Radiation Monitoring Plan (RMP). The survey consisted of screening of an area 20 feet by 20 feet centered on each area that was disturbed. At each survey location, a 100% scan was performed by SEC using a Ludlum™ Model 2221 count-rate meter and scaler equipped with a 100 cm^3 (2" x 2") NaI detector. 100% scan is

defined as walking at 0.5 meters/second and moving the probe in a serpentine motion. The technician walked one meter-wide lanes over each entire survey area.

3.3.2 Test Pit Protocol

At each location, CEI utilized a track mounted excavator to perform the test pit. Prior to the excavation, 10-mil polyethylene sheeting, sufficiently large to hold the anticipated excavated soil was laid on the ground in the area where the excavated soil was placed. Each test pit was performed in two foot lifts and placed on the polyethylene sheeting in individual piles.

During excavation, each two foot lift was characterized and screened for the following:

- Visual signs of staining or discoloration
- Volatile organic vapors utilizing a photo-ionization detector (PID)
- Radiation screening utilizing a radiation rate meter/scale

The two foot lifts were placed on the 10-mil polyethylene sheeting in the order they came out of the ground. PWGC documented soil types, changes in lithology, and wastes (if any) encountered in the test pits. The two foot lifts were screened with a Ludlum™ Model 2221 count-rate meter and scaler equipped with a 100 cm^3 (2" x 2") NaI detector. During monitoring, the detector was held approximately 3 inches or less above the surface being scanned. The detector was moved over the surface being scanned at a rate that did not exceed approximately 0.5 meters per second (m/s). The two foot lift was then screened for the presence of volatile organic vapors, which are commonly associated with petroleum products and industrial solvents, utilizing a PID. Characterization, photos, and screening results were recorded in a test pit log (**Appendix A**). Below is a description of the activities performed at each of the test pits.

TP-P-005

TP-P-005 was installed at the 2014 Post Construction Confirmatory / Insurance Data Gap Subsurface Investigation soil boring location identified as LT-GC-003 which is located on the southeast section of Parcel A. Medium to fine sands with silt and gravel were observed between 0 to 3 feet bgs. A concrete slab was encountered at 3 to 4 feet bgs. Sity sand with gravel was encountered between 4 to 6 feet bgs. Slight soil discoloration was noted at 5 to 6 feet bgs and a PID response of 10.8 parts per million (ppm) was recorded. Groundwater was encountered at 4 feet bgs.

TP-P-006

TP-P-006 was installed in an area of discolored soil identified following the removal of the concrete slab on Parcel A. Medium sand with silt and gravel were observed between 0 to 3 feet bgs. Soil discoloration was noted between 0 to 3 feet bgs and a PID response of up to 385 ppm was recorded. Clayey sand was encountered between 3 to 4 feet bgs. Groundwater was encountered at 3 feet bgs.

TP-P-007

TP-P-007 was installed southwest of TP-P-001. Medium to fine sands with gravel were observed between 0 to 5 feet bgs. Staining and petroleum odor were observed. Groundwater was observed at a depth of 2 feet bgs. A bog layer was encountered between 5 to 6 feet bgs where the staining and odor was no longer present. The excavated soils were stockpiled separately onsite.

TP-P-008

TP-P-008 was installed at the 2014 Post Construction Confirmatory / Insurance Data Gap Subsurface Investigation soil boring location identified as LT-GC-008 which is located on the western section of Parcel A. Medium to fine sands with gravel were observed between 0 to 5 feet bgs. A bog layer was encountered between 5 to 6 feet bgs. Groundwater was observed at a depth of 3 feet bgs. Visual staining was observed on the eastern wall of the test pit but was not observed within the test pit to any significant extent.

TP-P-009

TP-P-009 was installed on the northwestern border of Parcel A, adjacent to the former Doxey site where petroleum impact has been noted. Clayey to silty sand was observed between 0 to 3 feet bgs. Medium to fine sand was observed between 3 to 5 feet bgs. Clayey sand was observed between 5 to 6 feet bgs. Slight staining was observed between 2 to 3 feet bgs and a PID response of up to 38.9 ppm. Groundwater was encountered at 5 feet bgs.

TP-P-010

TP-P-010 was installed on the southwestern border of Parcel A, adjacent to the former Doxey site where petroleum impact has been noted. A layer of gravel was encountered between 0 to 1 feet bgs. A demarcation fabric was encountered at 1 feet bgs. Medium to

fine sand with gravel was encountered between 1 to 2 feet bgs. Clayey sand and silt was observed between 2 to 6 feet bgs. Petroleum stained soil was observed between 2 to 6 feet bgs and a PID response up to 185 ppm was documented. Groundwater was encountered at 5 feet bgs.

TP-P-011

TP-P-011 was installed at the 2014 Post Construction Confirmatory / Insurance Data Gap Subsurface Investigation soil boring location identified as LT-C-024 which is located on Parcel Lower C. Medium to fine sands with gravel were observed between 0 to 6 feet bgs. Visual staining was observed at 6 feet bgs and a PID response of 170 ppm was documented. Groundwater was encountered at 6 feet bgs.

TP-P-012

TP-P-012 was installed at the 2014 Post Construction Confirmatory / Insurance Data Gap Subsurface Investigation soil boring location identified as LT-C-025 which is located on Parcel Lower C. Medium to fine sands with gravel were observed between 0 to 6 feet bgs. Visual staining was observed at 6 feet bgs and a PID response of 122 ppm was documented. Groundwater was encountered at 6 feet bgs.

TP-P-013

TP-P-013 was installed at the 2014 Post Construction Confirmatory / Insurance Data Gap Subsurface Investigation soil boring location identified as LT-G-030 which is located on Parcel Upper C. Medium to fine sands with gravel were observed between 0 to 3 feet bgs. Clayey sands were observed between 3 to 6 feet bgs. Visual staining was not observed. Groundwater was not encountered.

TP-P-014

TP-P-014 was installed at the 2014 Post Construction Confirmatory / Insurance Data Gap Subsurface Investigation soil boring location identified as LT-GTBH-002 which is located on Parcel A. Medium to fine sands with gravel were observed between 0 to 5 feet bgs. Clayey sands and bog material were observed between 5 to 8 feet bgs. Slight staining was observed at 6 to 7 feet bgs and a PID response of 12.6 ppm was documented. Groundwater

was encountered at 7 feet bgs.

On Wednesday, August 27, 2014, the NYSDEC (Ms. Heidi Dudek) mobilized to the site with the developer and the City of Glen Cove to inspect the test pits. The NYSDEC performed a visual inspection of each test pit with the exception of TP-P-014 which was performed at a later date and inspected by Mr. Kristopher Keenan. Based upon the inspection, the NYSDEC gave the approval in the field that no further investigation was required for TP-P-005, TP-P-008, TP-P-009, TP-P-011, TP-P-012, TP-P-013, and TP-P-014 and that they could be backfilled with the material taken out of the excavation. The NYSDEC indicated that even though impact was present at TP-P-011 and TP-P-012, it was residual impact from a spill that had been remediated and closed by the regulatory agencies. The NYSDEC indicated that remedial measures would be required for TP-P-001, TP-P-002, TP-P-003, TP-P-004, TP-P-006, TP-P-007, and TP-P-010.

The location of the test pits is shown on **Figure 1**.

4.0 DESCRIPTION OF REMEDIAL ACTIONS PERFORMED

The site was remediated in accordance with the scope of work presented in the City of Glen Cove Community Development Agency's (CDA) September 8, 2014 UST Closure letter plan and the Draft Site Management Plan (SMP). Remedial actions were taken in accordance with applicable laws and regulations, and the site-specific Health and Safety Plan (HASP).

The following remedial actions were completed in this program:

1. Performed Community Air Monitoring Program for particulates and volatile organic vapors,
2. Excavated and removed soil exceeding the Record of Decision (ROD) Site-Wide Cleanup Levels (SWCLs) to the extent feasible,
3. Collected and analyzed end-point samples to evaluate the performance of the remedy with respect to attainment of SWCLs,
4. Sampled and analyzed excavated media as required by disposal facilities. Appropriately segregated excavated media. Transportation and off-site disposal of soil material at permitted facilities in accordance with applicable laws and regulations for handling, transport, and disposal,
5. Screened excavated soil during intrusive work for indications of contamination by visual means, odor, and monitoring with a PID, x-ray fluorescence (XRF) meter, and Ludlum™ Model 2221 count-rate meter and scaler equipped with a 100 cm^3 (2" x 2") NaI detector,
6. Submitted Visually Stained Petroleum Soil Investigation / Remediation Report that details the investigative / remedial activities.

5.0 COMPLIANCE WITH REMEDIAL WORK PLAN

5.1 Health and Safety Plan

The remedial construction activities performed under this program were in compliance with the site-specific HASP and applicable laws and regulations. The Site Safety Coordinator was Ms. Amanda Racaniello.

5.2 Community Air Monitoring Plan

The CAMP provided for the collection and analysis of air samples during remedial construction activities to ensure proper protections were employed to protect workers and the neighboring community. Monitoring was performed in compliance with the CAMP. Monitoring levels did not exceed action levels. The results of Community Air Monitoring are shown in **Appendix B**.

5.3 Engineering Specifications and Controls

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

6.0 REMEDIAL PROGRAM

As previously determined by the NYSDEC, further investigation / remediation were required for the following:

1. The area around the former USTs which encompassed TP-P-001, TP-P-002, TP-P-003, TP-P-004, and TP-P-007;
2. The area in the immediate vicinity of TP-P-006; and
3. The area in the immediate vicinity of TP-P-010.

6.1 UST Closure Activities

UST closure activities were performed in accordance with NYSDEC DER-10 Technical Guidance for Site Investigation and Remediation, May 2010 and the UST Closure Work Plan prepared by the Glen Cove CDA, dated September 8, 2014.

RXR-Glen Isle Partners, LLC retained the services of Action Remediation, Inc. (ARI) to perform UST closure activities at the site. PWGC and SEC provided coordination, oversight and documentation of UST closure activities.

6.1.1 Nassau County Department of Health Notification

Prior to removal of the USTs, ARI provided tank removal notification to the Nassau County Department of Health (NCDH) and completed the Tank Abandonment / Removal Notification Form (**Appendix C**).

6.1.2 UST Removal

UST removal activities began on September 11, 2014. During UST removal activities a second 1,500-gallon UST was identified at the site. An excavator was utilized to expose the top of the USTs. Prior to removal from the subsurface, remaining liquids and sludge were pumped out utilizing a vacuum powered pump truck. A total of 3,374 gallons of liquids were removed and properly disposed of at Clean Water of New York, Inc. in Staten Island, New York and 200 pounds of sludge / tank bottoms at Veolia Environmental Services in Flanders, New Jersey. Waste manifests are included in **Appendix D**.

Following removal of liquids, the USTs were cut open, cleaned, removed from the ground along with all associated piping utilizing the excavator and placed on plastic sheeting for inspection. The USTs

were found to be in poor condition with visual corrosion holes observed. Groundwater was encountered beneath the USTs and visual LNAPL was observed on the water table. Photos of the UST inspections are included in **Appendix E**. UST recycling receipts are included in **Appendix F**.

6.2 Former UST Investigation / Remediation

The bulk of the UST excavation occurred between September 12, 2014 and November 12, 2014. It was determined on October 9, 2014 that additional excavation would be required to the southwest based upon visual observations. However, the stockpiled dredge spoils were situated in this location and required movement before the excavation could continue and the size of the excavation limited the expansion until approval was granted to partially backfill the excavation. As a result of this there was a delay in the expansion of the remedial excavation. On November 12, 2014 the NYSDEC approved partial backfill (northeast portion) of the excavation with onsite dredge spoils separated by a demarcation layer. This approval was given by the NYSDEC field representative (Mr. Kristopher Keenan). The remedial excavation was extended to the southwest on January 12, 2015 following movement of the dredge spoils from the location.

6.2.1 Excavation Protocol

Prior to removing petroleum impacted soils, a soil staging area was setup. Surface soils were utilized to create a drying bed area lined with a double layer of 10-mil polyethylene sheeting. Mr. Nick Acampora and Mr. Kristopher Keenan of the NYSDEC were onsite periodically throughout the remedial effort to provide Department input on excavation limits. A PWGC hydrogeologist characterized and field screened the excavated soils for the presence of volatile organic vapors using a photoionization detector (PID) and metals using an x-ray fluorescence spectrometer (XRF). SEC scanned soil for radiation. Screening results are included in **Appendix G**. Impacted soil removal continued until visibly clean soils that did not exhibit a PID response or shows signs of visual LNAPL were identified as designated by the NYSDEC. The final extents of the excavation are shown on **Figure 2**.

During excavation activities LNAPL was encountered at the water table. Impacted groundwater / LNAPL were removed utilizing a vacuum powered pump truck supplied by ARI. Impacted water / LNAPL removal continued until no evidence of LNAPL was present in the excavation. A total of 20,157 gallons of liquids were removed and properly disposed of at Clean Water of New York, Inc. in

Staten Island, New York. Liquid waste manifests are included in **Appendix D**.

6.2.2 End Point Sampling Protocol

End point sampling was undertaken to document the effectiveness of the remedial action in achieving SWCLs for the site. Endpoint sampling frequency and locations were directed by both Mr. Nick Acampora and Mr. Kristopher Keenan of the NYSDEC in the field.

End point soil samples were submitted to Test America Laboratories, Inc. and were analyzed for the presence of volatile organic compounds (VOCs) by USEPA Method 8260 and semi-volatile organic compounds (SVOCs) by USEPA Method 8270. In addition, the NYSDEC requested the analysis of and metals by USEPA Method 6010/7471 at each location and polychlorinated biphenyls (PCBs) by USEPA Method 8082 at several locations. Metals were added since the site has been documented to contain elevated metals and the NYSDEC wanted to know the concentrations of metals that would be left in place following approval to backfill the excavation. PCBs were added as the NYSDEC was concerned that these may have been a component of the oil at one time.

6.2.3 End Point Sampling Results

Endpoint analytical results were compared to the SWCLs established in the ROD for the Site. In the absence of a ROD cleanup objective, the Restricted-Residential Use SCOs (RRUSCOs) as specified in NYSDEC 6 New York Codes, Rules, and Regulations (NYCRR) Part 375 were applied.

VOCs were detected above laboratory method detection limits (MDLs) in each endpoint soil sample. The detections were relatively minor and did not exceed their respective NYSDEC RRUSCOs.

SVOCs were detected above laboratory MDLs in ten of the endpoint soil samples. The detections were relatively minor and did not exceed their respective NYSDEC RRUSCOs.

Metals were detected above laboratory MDLs in each endpoint sample. The detections were relatively minor and did not exceed their respective RRUSCO or SWCLs with the exception of arsenic in four samples (EP010, EP016, EP018, and EP020) and cadmium in one sample (EP020).

PCBs were not detected above laboratory MDLs in the soil samples analyzed for PCBs.

A summary table and map of end point locations is included in **Tables 1** through **4** and **Figure 2**, respectively. Analytical data sheets are included as **Appendix H**.

6.3 TP-P-006 Investigation / Remediation

Investigative / remedial activities of TP-P-006 took place on February 6, 2015 under the oversight and direction of the NYSDEC.

6.3.1 TP-P-006 Investigation

The investigation included the installation of several small test pits. TP-P-006-1 through TP-P-006-4, were installed around the original test pit to delineate the vertical and horizontal extent of visual and/or olfactory impact (**Figure 2**). The test pits followed the protocol previously established during the Pre-Construction Confirmatory / Insurance Data Gap Subsurface Investigation. One of the four test pits, TP-P-006-4, showed signs of visual and olfactory impact. Impact was limited to the top 2 feet and did not extend to the water table. Based upon the observations, petroleum impacts did not appear to be attributed to a subsurface source, nor were any potential aboveground sources mentioned in historical documents. Therefore, the impacts were likely the result of a small release on the surface during site activities. Logs for these test pits are included in **Appendix A**.

6.3.2 Excavation Protocol

At the request of the NYSDEC, minimal surface soils (approximately 160 cubic yards) were excavated and stockpiled in the soil staging area. A PWGC hydrogeologist characterized and field screened the excavated soils for the presence of volatile organic vapors using a PID and metals using an XRF. SEC scanned soil for radiation. Screening results are included in **Appendix G**. The excavation was expanded until visual and olfactory signs of impact were no longer observed and field screening was at background levels. **Figure 2** shows the extent of the surface soil removal as well as the field screening results from the sidewalls and bottoms. Based upon the field observations, the onsite NYSDEC inspector approved the excavation to be backfilled with onsite recycled concrete aggregate (RCA) without the collection of confirmatory samples.

6.4 TP-P-010 Investigation / Remediation

Test pit, TP-P-010, was further investigated between February 19 and 23, 2015 under the oversight and direction of the NYSDEC.

6.4.1 Excavation Protocol

The test pit was extended in each direction to determine the horizontal extent of visual and olfactory petroleum impact. A PWGC hydrogeologist characterized and field screened the excavated

soils for the presence of volatile organic vapors using a PID and metals using an XRF. SEC scanned soil for radiation. Screening results are included in **Appendix G**. While expanding the test pit to the west, a footing was encountered and on the western side of the footing, pea gravel was present. According to the City of Glen Cove, the remediation that occurred on Doxey extended to this footing and was stopped. Based upon this information, it was determined that the impact was a continuation of the Doxey source material.

At the request of the NYSDEC, the test pit was expanded horizontally down to the water table interface until visual and olfactory signs of impact were no longer observed (**Figure 2**). Approximately 720 cubic yards were excavated and stockpiled in the soil staging area.

6.4.2 End Point Sampling Protocol

End point sampling was undertaken to document the effectiveness of the remedial action in achieving SWCLs for the site. Endpoint sampling frequency and locations were directed by Mr. Kristopher Keenan of the NYSDEC in the field.

End point soil samples were submitted to Test America Laboratories, Inc. and were analyzed for the presence of VOCs by USEPA Method 8260 and SVOCs by USEPA Method 8270. In addition, the NYSDEC requested the analysis of and metals by USEPA Method 6010/7471 at each location and PCBs by USEPA Method 8082 at several locations. Metals were added since the site has been documented to contain elevated metals and the NYSDEC wanted to know the concentrations of metals that would be left in place following approval to backfill the excavation. PCBs were added as the NYSDEC was concerned that these may have been a component of the oil at one time.

6.4.3 End Point Sampling Results

Endpoint analytical results were compared to the SWCLs established in the ROD for the Site. In the absence of a ROD cleanup objective, the RRUSCOs as specified in NYSDEC 6NYCRR Part 375 were applied.

VOCs were detected above laboratory MDLs in each endpoint soil sample. The detections were relatively minor and did not exceed their respective NYSDEC RRUSCOs.

SVOCs were detected above laboratory MDLs in five of the endpoint soil samples. The detections were relatively minor and did not exceed their respective NYSDEC RRUSCOs.

Metals were detected above laboratory MDLs in each endpoint sample. The detections were relatively minor and did not exceed their respective RRUSCO or SWCLs.

PCBs were not detected above laboratory MDLs in the soil samples analyzed for PCBs.

A summary table and map of end point locations is included in **Tables 1** through **4** and **Figure 2**, respectively. Analytical data sheets are included as **Appendix G**.

6.5 Materials Disposal

The remedial measures generated excess soil containing VOCs, SVOCs and metals above NYSDEC Unrestricted Use Soil Cleanup Objectives (UUSCOs) and LNAPL, which required proper offsite disposal. Prior to removal of soil from the site, Posillico Environmental coordinated the disposal of material with approved facilities. Based upon the analytical results from waste characterization of the petroleum soil stockpile, a request was sent to Clean Earth of Philadelphia. Based upon their review of the data, soil was deemed acceptable for disposal at the Facility. In addition, impacted groundwater / LNAPL was removed from the excavation throughout the project and transported to Clean Water in Staten Island, New York for disposal.

The impacted material removal activities took place between September 11, 2014 and December 2, 2014. PWGC and SEC oversaw and coordinated the load out of material from the site. The volume of material removed and disposed off-site to date is presented below:

Destination	Type of Material	Quantity
Clean Earth of Philadelphia	Non-Hazardous Soil	1,587.37 Tons
Veolia Environmental Services	Tank Bottoms	200 Pounds
Clean Water of New York, Inc.	Non-Hazardous Liquid	23,531 Gallons

Acceptance letters from disposal facilities stating it is approved to accept these materials are attached in **Appendix I**. Manifests are included in **Appendix D**. The table above shows the total quantities of each class of material removed from the site and the disposal locations.

In addition, approximately 1,120 yards of material is temporarily stockpiled onsite and is planned to be disposed of in April of 2015. This material was generated from the second stage of the excavation which included TP-P-006 and TP-P-010 and the continuation of the UST excavation to the southwest after the dredge spoils were relocated. Documentation of the disposal of this material

will be submitted in an addendum to this Report.

6.6 Site Restoration

Upon confirmation of acceptable endpoint analytical data, the remaining open excavations will be backfilled utilizing RCA generated from demolition of the former concrete slabs onsite.

Prior to using dredge spoils or RCA, sampling was performed to characterize the anticipated volume of material reused onsite as backfill. Analytical results were forwarded to NYSDEC for review. Upon review of analytical data, NYSDEC approved the characterized material for backfill. Fill correspondence is included in **Appendix J**.

6.7 Quality Assurance / Quality Control

The overall quality assurance/quality control (QA/QC) objective for the field investigation was to develop and implement procedures that provide data of known and documented quality. QA/QC characteristics for data include precision, accuracy, representativeness, completeness, and comparability. The purpose of the QA/QC activities developed for this site was to verify the integrity of the work performed at the site to assure that the data collected are of the appropriate type and quality needed for the intended use.

The QA/QC program included the preparation and analysis of field QA/QC samples such as field blanks, field duplicates, and matrix spike duplicates.

6.7.1 QA/QC Samples

To assess the adequacy of sample collection and decontamination procedures performed in the field, QA/QC samples were collected and analyzed throughout the field sampling program. In general, QA/QC samples confirmed that the procedures performed in the field were consistent and acceptable. Reported detections in the equipment blanks did not impact the interpretation of sample data. QA/QC samples collected for laboratory analysis included trip blanks (TB), equipment blanks (EB), blind/field duplicates (FD), matrix spike (MS), and matrix spike duplicates (MSD). The EB samples were collected daily for each sampling method that used disposable equipment such as the acetate liners and polyethylene tubing from the peristaltic pump. Equipment blanks were collected by pouring laboratory-supplied de-ionized water over sampling equipment and collecting the water in the appropriate sample container(s). FD and MS/MSD samples were submitted at a minimum of one each per twenty samples.

Type	Frequency
Equipment Blank	One per day per sample matrix
Blind/Field Duplicate	One per 20 samples per matrix
Matrix Spike/Matrix Spike Duplicate	One per 20 samples per matrix
Trip Blanks	One per sample cooler with VOC samples present

6.7.2 Data Usability Summary

PWGC reviewed the Laboratory QC Summary Package for the sample batch in which the project samples are included so that an appropriate summary could be prepared.

The data reports include thirty-one (31) soil, two (2) MS/MSD, five (5) EB, two (2) FD, and six (TB) samples. The samples associated with this data set were collected on October 1, 2014, October 9, 2014, October 10, 2014, February 18, 2015, February 19, 2015 and February 23, 2015. The samples were received at Test America Laboratories, Inc. located in Edison, New Jersey. The cooler temperatures were within QC limits upon receipt. The samples were analyzed for VOCs (USEPA Method 8260C), SVOCs (USEPA Method 8270D), Total Metals (USEPA Method 7470A), and PCB (USEPA Method 8082A) as specified on the Chain of Custody (COC) documentation that accompanied the samples to the laboratory.

The analytical results submitted were reviewed and the analytical results assessed against the project data quality objectives in the preparation of this report. There were no problems with the analyses and data for associated QC met laboratory specifications. Overall, the data submitted by Test America Laboratories, Inc. met the project data quality objectives and are usable to determine the presence, absence, and magnitude of environmental contamination in the samples collected from the site. The Laboratory QC Package is included as **Appendix H**.

7.0 CONCLUSIONS AND RECOMMENDATIONS

Investigations performed on the property in 2014 identified the presence of petroleum stained soils at a several locations. A supplemental investigation was performed which included installing fourteen test pits to determine the potential source(s) and extent of impact. Of these fourteen test pits, six were found to be de minimis in nature and did not require soil removal, six test pits (TP-P-001, TP-P-002, TP-P-003, TP-P-004, TP-P-007, and TP-P-008) were found to have visual impact associated with a release of fuel oil from two USTs on Parcel A, one test pit (TP-P-006) was found to have no onsite source and minimal surface soil impact, and one (TP-P-010) was found to be attributed to the adjacent Doxey spill site source material.

Under the direction of the NYSDEC, USTs were closed and petroleum impacted areas were remediated. The remedial actions documented the successful removal of the source of the petroleum contamination, where appropriate. Residual levels of arsenic and cadmium were left in place as the remedial action was focused on the removal of petroleum impacted soils. Management of metals on the site is currently being negotiated with the regulatory agencies. The developer is currently in the process of obtaining approval to dispose of the stockpiled soil that was generated from the TP-P-006, TP-P-010 and the continuation of the UST excavation to the southwest after the dredge spoils were relocated. After these soils are disposed, an addendum to this report documenting the removal will be submitted to NYSDEC.

FIGURES

Document Path: Z:\Projects\M-R\RGI\1404\mapfiles\FIG2_TestPitPlan.mxd

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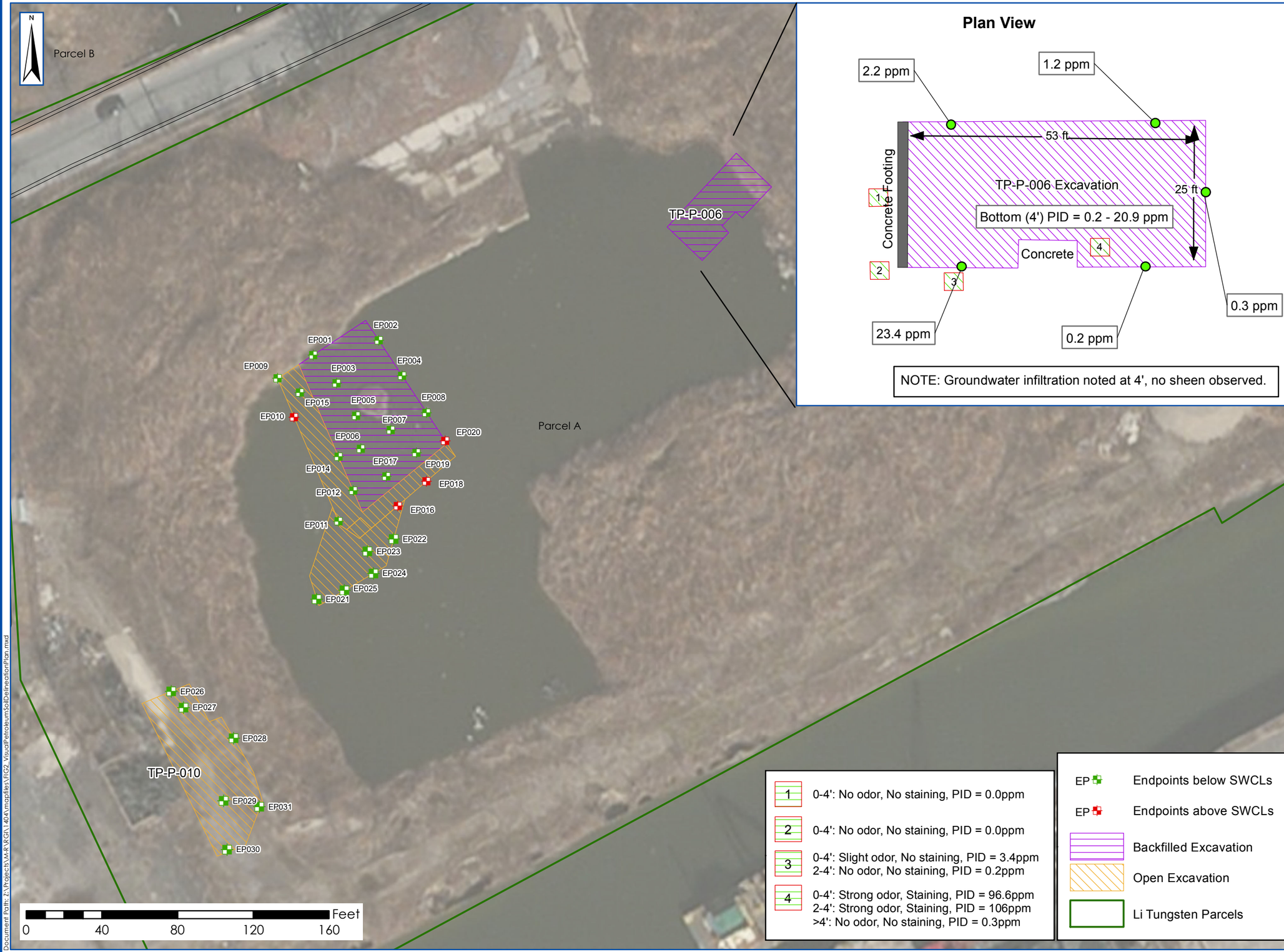
Date:	4/10/2015	Drawn by:	JCG
Scale:	AS SHOWN	Approved by:	DE

TEST PIT PLAN

GLEN ISLE

FIGURE NO: 1

SHEET:



Plan View

NOTE: Groundwater infiltration noted at 4', no sheen observed.

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VISUAL PETROLEUM STAINED SOIL DELINEATION PLAN

GLEN ISLE

FIGURE NO: 2

SHEET:

Document Path: Z:\Projects\M-R\RGI\1404\mapfiles\FIG2_VisualPetroleumSoilDelineationPlan.mxd

TABLES

Table 1
Soil Sample Analytical Data Summary
Volatile Organic Compounds
EPA Method 8260

LiTungsten Site

Client Sample ID:	NYSDEC Restricted-Residential Use SCO (1)	EP001	EP002	EP003	EP004	EP005	EP006	EP007	EP008	EP009	EP010	EP011	EP012	EP014	EP015	EP016	EP017	EP018	EP019	EP020	EP021	EP022	EP023	EP024	EP025
Sample Depth:		4-5' (S)	4-5' (S)	5' (B)	4-5' (S)	6' (B)	6' (B)	6' (B)	5-6' (S)	5' (S)	5' (S)	5' (S)	6' (B)	6' (B)	6' (B)	5' (S)	6' (B)	5' (S)	6' (B)	5' (S)	4-5' (S)	4-5' (S)	3-4' (S)	3-4' (S)	6' (B)
Laboratory ID:		460-83733-1	460-83733-2	460-83733-3	460-83733-4	460-83733-5	460-83733-6	460-83733-7	460-83733-8	460-84235-1	460-84235-2	460-84235-3	460-84235-4	460-84235-6	460-84235-7	460-84235-8	460-84235-9	460-84320-1	460-84320-2	460-84320-3	480-75692-6	480-75692-5	480-75692-4	480-75692-3	480-75692-2
Sampling Date:		10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/9/2014	10/9/2014	10/9/2014	10/9/2014	10/9/2014	10/9/2014	10/9/2014	10/9/2014	10/10/2014	10/10/2014	10/10/2014	2/18/2015	2/18/2015	2/18/2015	2/18/2015	2/18/2015
Volatile Organic Compounds (µg/kg)																									
1,1,1-Trichloroethane[f]	100,000[a]	4.7 U	5.4 U	3.3 U	2.6 U	1.3 U	5.5 U	5.1 U	2.0 U	1.1 U	1.1 U	1.2 U	6.7 U	11 U	5.0 U	1.1 U	4.0 U	0.89 U	3.7 u	1.3 U	0.33 U	0.38 U	0.33 U	0.34 U	0.32 U
1,1,2,2-Tetrachloroethane	NS	4.7 U	5.4 U	3.3 U	2.6 U	1.3 U	5.5 U	5.1 U	2.0 U	1.1 U	1.1 U	1.2 U	6.7 U	11 U	5.0 U	1.1 U	4.0 U	0.89 U	3.7 U	1.3 U	0.73 U	0.85 U	0.73 U	0.77 U	0.71 U
1,1,2-Trichloro-1,2,2-trifluoroethane	NS	4.7 U	5.4 U	3.3 U	2.6 U	1.3 U	5.5 U	5.1 U	2.0 U	1.1 U	1.1 U	1.2 U	6.7 U	11 U	5.0 U	1.1 U	4.0 U	0.89 U	3.7 U	1.3 U	1.0 U	1.2 U	1.0 U	1.1 U	1.0 U
1,1,2-Trichloroethane	NS	4.7 U	5.4 U	3.3 U	2.6 U	1.3 U	5.5 U	5.1 U	2.0 U	1.1 U	1.1 U	1.2 U	6.7 U	11 U	5.0 U	1.1 U	4.0 U	0.89 U	3.7 U	1.3 U	0.59 U	0.68 U	0.59 U	0.62 U	0.57 U
1,1-Dichloroethane[f]	26,000	4.7 U	5.4 U	3.3 U	2.6 U	1.3 U	5.5 U	5.1 U	2.0 U	1.1 U	1.1 U	1.2 U	6.7 U	11 U	5.0 U	1.1 U	4.0 U	0.89 U	3.7 U	1.3 U	0.55 U	0.64 U	0.55 U	0.58 U	0.54 U
1,1-Dichloroethene[f]	100,000[a]	4.7 U	5.4 U	3.3 U	2.6 U	1.3 U	5.5 U	5.1 U	2.0 U	1.1 U	1.1 U	1.2 U	6.7 U	11 U	5.0 U	1.1 U	4.0 U	0.89 U	3.7 U	1.3 U	0.55 U	0.64 U	0.55 U	0.58 U	0.54 U
1,2,4-Trichlorobenzene	NS	4.7 U	5.4 U	3.3 U	2.6 U	1.3 U	5.5 U	5.1 U	2.0 U	1.1 U	1.1 U	1.2 U	6.7 U	11 U	5.0 U	1.1 U	4.0 U	0.89 U	3.7 U	1.3 U	0.27 U	0.32 U	0.27 U	0.29 U	0.27 U
1,2,4-Trimethylbenzene[f]	52,000	4.7 U	8.3	0.52 J	2.6 U	29	12	3.8 J	2.4	1.1 U	1.1 U	1.2 U	4.6 J	2.1 J	5.0 U	1.1 U	23	0.89 U	3.7 U	1.3 U	0.87 U	1.0 U	0.87 U	0.91 U	0.84 U
1,2-Dibromo-3-chloropropane	NS	4.7 U	5.4 U	3.3 U	2.6 U	1.3 U	5.5 U	5.1 U	2.0 U	1.1 U	1.1 U	1.2 U	6.7 U	11 U	5.0 U	1.1 U	4.0 U	0.89 U	3.7 U	1.3 U	2.3 U	2.6 U	2.3 U	2.4 U	2.2 U
1,2-Dibromoethane	NS	4.7 U	5.4 U	3.3 U	2.6 U	1.3 U	5.5 U	5.1 U	2.0 U	1.1 U	1.1 U	1.2 U	6.7 U	11 U	5.0 U	1.1 U	4.0 U	0.89 U	3.7 U	1.3 U	0.58 U	0.67 U	0.58 U	0.61 U	0.56 U
1,2-Dichlorobenzene[f]	100,000[a]	4.7 U	5.4 U	3.3 U	2.6 U	1.3 U	5.5 U	5.1 U	2.0 U	1.1 U	1.1 U	1.2 U	6.7 U	11 U	5.0 U	1.1 U	4.0 U	0.89 U	3.7 U	1.3 U	0.35 U	0.41 U	0.35 U	0.37 U	0.34 U
1,2-Dichloroethane	3,100	4.7 U	5.4 U	3.3 U	2.6 U	1.3 U	5.5 U	5.1 U	2.0 U	1.1 U	1.1 U	1.2 U	6.7 U	11 U	5.0 U	1.1 U	4.0 U	0.89 U	3.7 U	1.3 U	0.23 U	0.26 U	0.23 U	0.24 U	0.22 U
1,2-Dichloropropane	NS	4.7 U	5.4 U	3.3 U	2.6 U	1.3 U	5.5 U	5.1 U	2.0 U	1.1 U	1.1 U	1.2 U	6.7 U	11 U	5.0 U	1.1 U	4.0 U	0.89 U	3.7 U	1.3 U	2.3 U	2.6 U	2.3 U	2.4 U	2.2 U
1,3,5-Trimethylbenzene[f]	52,000	4.7 U	0.95 J	0.66 J	2.6 U	8.0	3.5 J	1.3 J	0.57 J	1.1 U	1.1 U	1.2 U	6.7 U	11 U	5.0 U	1.1 U	5.7	0.89 U	3.7 U	1.3 U	0.29 U	0.34 U	0.29 U	0.31 U	0.28 U
1,3-Dichlorobenzene[f]	49,000	4.7 U	5.4 U	3.3 U	2.6 U	1.3 U	5.5 U	5.1 U	2.0 U	1.1 U	1.1 U	1.2 U	6.7 U	11 U	5.0 U	1.1 U	4.0 U	0.89 U	3.7 U	1.3 U	0.23 U	0.27 U	0.23 U	0.24 U	0.23 U
1,4-Dichlorobenzene	13,000	4.7 U	5.4 U	3.3 U	2.6 U	1.3 U	5.5 U	5.1 U	2.0 U	1.1 U	1.1 U	1.2 U	6.7 U	11 U	5.0 U	1.1 U	4.0 U	0.89 U	3.7 U	1.3 U	0.63 U	0.73 U	0.63 U	0.67 U	0.61 U
1,4-Dioxane	13,000	94 U	110 U	65 U	52 U	25 U	110 U	100 U	40 U	22 U	22 U	24 U	130 U	220 U	100 U	21 U	80 U	18 U	74 U	27 U	20 U	23 U	20 U	21 U	19 U
2-Butanone	100,000[a]	85	150	88	67	22	180	270	260	5.6 U	5.6 U	6.1 U	33 U	56 U	25 U	5.4 U	20 U	9.0	64	6.6 U	1.6 U	1.9 U	1.7 U	1.7 U	12 J
2-Hexanone	NS	23 U	27 U	16 U	13 U	6.3 U	28 U	25 U	10 U	5.6 U	5.6 U	6.1 U	33 U	56 U	25 U	5.4 U	20 U	4.5 U	18 U	6.6 U	2.3 U	2.6 U	2.3 U	2.4 U	2.2 U
4-Methyl-2-pentanone	NS	23 U	27 U	16 U	13 U	6.3 U	28 U	25 U	10 U	5.6 U	5.6 U	6.1 U	33 U	56 U	25 U	5.4 U	20 U	4.5 U	18 U	6.6 U	1.5 U	1.7 U	1.5 U	1.6 U	1.4 U
Acetone	100,000[a]	160	330	170	130	67	380	540	540	23	34	6.1 U	550	590	25 U	21	240	34	230	19	16 JB	5.7 JB	7.8 JB	16 JB	50 B
Benzene	4,800	5.2	5.4 U	0.61 J	2.6 U	1.1 J	4.9 J	5.4	0.53 J	0.42 J	0.19 J	1.2 U	3.6 J	11 U	5.0 U	1.1 U	2.6 J	0.15 J	0.58 J	1.3 U	0.22 U	0.26 U	0.22 U	0.23 U	0.22 U
Bromodichloromethane	NS	4.7 U	5.4 U	3.3 U	2.6 U	1.3 U	5.5 U	5.1 U	2.0 U	1.1 U	1.1 U	1.2 U	6.7 U	11 U	5.0 U	1.1 U	4.0 U	0.89 U	3.7 U	1.3 U	0.60 U	0.70 U	0.60 U	0.64 U	0.59 U
Bromoform	NS	4.7 U	5.4 U	3.3 U	2.6 U	1.3 U	5.5 U	5.1 U	2.0 U	1.1 U	1.1 U	1.2 U	6.7 U	11 U	5.0 U	1.1 U	4.0 U	0.89 U	3.7 U	1.3 U	2.3 U	2.6 U	2.3 U	2.4 U	2.2 U
Bromomethane	NS	4.7 U	5.4 U	3.3 U	2.6 U	1.3 U	5.5 U	5.1 U	2.0 U	1.1 U	1.1 U	1.2 U	6.7 U	11 U	5.0 U	1.1 U	4.0 U	0.89 U	3.7 U	1.3 U	0.41 U	0.47 U	0.41 U	0.43 U	0.39 U
Carbon disulfide	NS	4.7 U	5.4 U	1.7 J	13	1.8	7.0	14	6.9	1.1 U	1.1 U	1.4	9.6	11 U	5.0 U	1.3	8.5	0.57 J	20	9.4	2.3 U	2.6 U	2.3 U	2.4 U	2.2 U
Carbon tetrachloride[f]	2,400	4.7 U	5.4 U	3.3 U	2.6 U	1.3 U	5.5 U	5.1 U	2.0 U	1.1 U	1.1 U	1.2 U	6.7 U	11 U	5.0 U	1.1 U	4.0 U	0.89 U	3.7 U	1.3 U	0.44 U	0.51 U	0.44 U	0.46 U	0.42 U
Chlorobenzene	100,000[a]	4.7 U	5.4 U	3.3 U	2.6 U	1.3 U	5.5 U	5.1 U	2.0 U	1.1 U	1.1 U	1.2 U	6.7 U	11 U	5.0 U	1.1 U	4.0 U	0.89 U	3.7 U	1.3 U	0.59 U	0.69 U	0.60 U	0.63 U	0.58 U
Chloroethane	NS	4.7 U	5.4 U	3.3 U	2.6 U	1.3 U	5.5 U	5.1 U	2.0 U	1.1 U	1.1 U	1.2 U	6.7 U	11 U	5.0 U	1.1 U	4.0 U	0.89 U	3.7 U	1.3 U	1.0 U	1.2 U	1.0 U	1.1 U	0.99 U
Chloroform	49,000	4.7 U	5.4 U	3.3 U	2.6 U	1.3 U	5.5 U	5.1 U	2.0 U	1.1 U	1.1 U	1.2 U	6.7 U	11 U	5.0 U	1.1 U	4.0 U	0.89 U	3.7 U	1.3 U	0.28 U	0.32 U	0.28 U	0.29 U	0.27 U
Chloromethane	NS	4.7 U	5.4 U	3.3 U	2.6 U	1.3 U	5.5 U	5.1 U	2.0 U	1.1 U	1.1 U	1.2 U	6.7 U	11 U	5.0 U	1.1 U	4.0 U	0.89 U	3.7 U	1.3 U	0.27 U	0.32 U	0.27 U	0.29 U	0.27 U
cis-1,2-Dichloroethene[f]	100,000[a]	4.7 U	5.4 U	3.3 U	2.6 U	1.3 U	5.5 U	5.1 U	1.6 J	0.75 J	1.1 U	1.2 U	6.7 U	11 U	5.0 U	1.1 U	4.0 U	0.89 U	3.7 U	1.3 U	0.58 U	0.67 U	0.58 U	0.61 U	0.56 U
cis-1,3-Dichloropropene	NS	4.7 U	5.4 U	3.3 U	2.6 U	1.3 U	5.5 U	5.1 U	2.0 U	1.1 U	1.1 U	1.2 U	6.7 U	11 U	5.0 U	1.1 U	4.0 U	0.89 U	3.7 U	1.3 U	0.65 U	0.75 U	0.65 U	0.68 U	0.63 U
Cyclohexane	NS	4.7 U	5.4 U	3.3 U	2.6 U	15	14	8.4	2.0 U	1.1 U	1.1 U	1.2 U	6.7 U	11 U	5.0 U	1.1 U	4.0 U	0.89 U	1.6 J	1.3 U	0.63 U	0.73 U	0.63 U	0.67 U	0.61 U
Dibromochloromethane	NS	4.7 U	5.4 U	3.3 U	2.6 U	1.3 U	5.5 U	5.1 U	2.0 U	1.1 U	1.1 U	1.2 U	6.7 U	11 U	5.0 U	1.1 U	4.0 U	0.89 U	3.7 U	1.3 U	0.58 U	0.67 U	0.58 U	0.61 U	0.56 U
Dichlorodifluoromethane	NS	4.7 U	5.4 U	3.3 U	2.6 U	1.3 U	5.5 U	5.1 U	2.0 U	1.1 U	1.1 U	1.2 U	6.7 U	11 U	5.0 U	1.1 U	4.0 U	0.89 U	3.7 U	1.3 U	0.37 U	0.43 U	0.37 U	0.39 U	0.36 U
Ethylbenzene[f]	41,000	4.7 U	5.4 U	3.3 U	2.6 U	1.3 U	12	3.3 J	0.47 J	1.1 U	1.1 U	1.2 U	6.7	5.8 J	5.0 U	1.1 U	29	0.22 J	3.7 U	1.3 U	0.31 U	0.36 U	0.31 U	0.33 U	0.30 U
Isopropylbenzene	NS	4.7 U	1.8 J	3.3 U	2.6 U	5.4	2.1 J	0.97 J	0.32 J	0.55 J	0.30 J	1.2 U	2.1 J	2.2 J	2.3 J	1.1 U	6.8	0.25 J	3.7 U	1.3 U	0.68 U	0.79 U	0.68 U	0.72 U	0.66 U
Methyl acetate	NS	23 U	27 U	16 U	13	6.3 U	28 U	25 U	10 U	5.6 U	5.6 U	6.1 U	33 U	56 U	25 U	5.4 U	20 U	4.5 U	18 U	6.6 U	2.7 U	3.2 U	2.7 U	2.9 U	2.7 U
Methyl tert butyl ether[f]	100,000[a]	4.7 U	5.4 U	3.3 U	2.6 U	1.3 U	5.5 U	5.1 U	2.0 U	1.1 U	1.1 U	1.2 U	6.7 U	11 U	5.0 U	1.1 U	4.0 U	0.89 U	3.7 U	1.3 U	0.44 U	0.51 U	0.44 U	0.47 U	0.43 U
Methylcyclohexane	NS	4.7 U	2.0 J	1.3 J	2.6 U	59	13	4.4 J	2.0 U	0.43 J	1.1 U	1.2 U	7.3	6.6 J	5.0 U	1.1 U	15	0.89 U	3.7 U	1.3 U	0.68 U	0.80 U	0.69 U	0.72 U	0.67 U
Methylene chloride	100,000[a]	4.7 U	5.4 U	3.3 U	2.6 U	1.3 U	5.5 U	5.1 U	2.0 U	1.1 U	1.1 U	1.2 U	6.7 U	11 U	5.0 U	1.1 U	4.0 U	0.89 U	3.7 U	1.3 U	2.1 U	2.4 JB	2.1 U	2.2 U	2.0 U
n-Butylbenzene[f]	100,000[a]	4.7 U	5.4 U	3.3 U	2.6 U	3.4	5.5 U	5.1 U	2.0 U	1.1 U	1.1 U	1.2 U	6.7 U	11 U	5.0 U	1.1 U	4.0 U	0.89 U	3.7 U	1.3 U	0.39 U	0.46 U	0.39 U	0.41 U	0.38 U
n-Propylbenzene[f]	100,000[a]	4.7 U	5.4 U	3.3 U	2.6 U	7.8	5.5 U	5.1 U	2.0 U	0.34 J	1.1 U	1.2 U	6.7 U	11 U	5.0 U	1.1 U	4.0 U	0.89 U	3.7 U	1.3 U	0.36 U	0.42 U	0.36 U	0.38 U	0.35 U
sec-Butylbenzene[f]	100,000[a]	4.7 U	1.1 J	3.3 U	2.6 U	3.4	5.5 U	0.84 J	2.0 U	1.1 U	1.1 U	1.2 U	6.7 U	11 U	5.0 U	0.24 J	0.85 J	0.32 J	3.7 U	1.3 U	0.39 U	0.46 U	0.39 U	0.41 U	0.38 U
Styrene	NS	4.7 U	5.4 U	3.3 U	2.6 U	1.3 U	5.5 U	5.1 U	2.0 U	1.1 U	1.1 U	1.2 U	6.7 U	11 U	5.0 U	1.1 U	4.0 U	0.89 U	3.7 U	1.3 U	0.23 U	0.26 U	0.23 U	0.24 U	0.22 U
tert-Butylbenzene[f]	100,000[a]	4.7 U	5.4 U	3.3 U	2.6 U	0.20 J	5.5 U	5.1 U	2.0 U	1.1 U	1.1 U	1.2 U	6.7 U	11 U	5.0 U	1.1 U	4.0 U	0.89 U	3.7 U	1.3 U	0.47 U	0.54 U	0.47 U	0.49 U	0.46 U
Tetrachloroethene	19,000	4.7 U	5.4 U	3.3 U	2.6 U	1.3 U	5.5 U	5.1 U	2.0 U	1.1 U	1.1 U	1.2 U	6.7 U	11 U	5.0 U	1.1 U	4.0 U	0.89 U	3.7 U	1.3 U	0.60 U	0.70 U	0.61 U	0.64 U	0.59 U
Toluene	100,000[a]	2.1 J	2.3 J	1.4 J	0.90 J	0.61 J	22	9.7	1.8 J	1.1 U	1.1 U	1.2 U	15	13	5.1	0.57 J	15	0.89 U	4.3	1.3 U	0.34 U	0.48 J	0.57 J	0.36 U	0.33 U
trans-1,2-Dichloroethene[f]	100,000[a]	4.7 U	5.4 U	3.3 U	2.6 U	1.3 U	5.5 U	5.1 U	2.0 U	0.35 J	1.1 U	1.2 U	6.7 U	11 U	5.0 U	1.1 U	4.0 U	0.89 U	3.7 U	1.3 U	0.46 U	0.54 U	0.47 U	0.49 U	0.45 U
trans-1,3-Dichloropropene	NS	4.7 U	5.4 U	3.3 U	2.6 U	1.3 U	5.5 U	5.1 U	2.0 U	1.1 U	1.1 U	1.2 U	6.7 U	11 U	5.0 U	1.1 U	4.0 U	0.89 U	3.7 U	1.3 U	2.0 U	2.3 U	2.0 U	2.1 U	1.9 U
Trichloroethene	21,000	4.7 U	5.4 U	3.3 U	2.6 U	1.3 U	5.5 U	5.1 U	2.0 U	1.1 U	1.1 U	1.2 U	6.7 U	11 U	5.0 U	1.1 U	4.0 U	0.89 U	3.7 U	1.3 U	0.99 U	1.2 U	0.99 U	1.0 U	0.97 U
Trichlorofluoromethane	NS	4.7 U	5.4 U	3.3 U	2.6 U	1.3 U	5.5 U	5.1 U	2.0 U	1.1 U	1.1 U	1.2 U	6.7 U	11 U	5.0 U	1.1 U	4.0 U	0.89 U	3.7 U	1.3 U	0.43 U	0.50 U	0.43 U	0.45 U	0.42 U
Vinyl chloride[f]	900	4.7 U	5.4 U	3.3 U	2.6 U	1.3 U	5.5 U	5.1 U	2.0 U	1.1 U	1.1 U	1.2 U	6.7 U	11 U	5.0 U	1.1 U	4.0 U	0.89 U	3.7 U	1.3 U	0.55 U	0.64 U	0.55 U	0.58 U	0.54 U
Xylenes	100,000[a]	9.4 U	3.6 J	6.5 U	5.2 U	23	18	18	1.9 J	2.2 U	2.2 U	2.4 U	7.8 J	22 U	10 U	2.1 U	55	1.8 U	7.4 U	2.7 U	0.76 U	0.88 U	0.76 U	0.80 U	0.74 U

Notes:
(1) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Restriced Use of Soil Cleanup Objective Table 375-6.8b 12/06
a - The SCOs for residential, restricted-residential and ecological resources use were capped at a maximum value of 100 ppm. See TSD section 9.3.
e - For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is used as the SCO value.
f - For constituents where the calculated SCO was lower than the rural soil background concentration, as determined by the department and department of health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site.
NS - No Standard
B - Compound was found in the blank and sample.
J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The "J" data may be biased high or low or the direction of the bias may be indeterminable.
JN - The analysis indicated the presence of a compound that has been "tentatively identified" (N) and the associated numerical value represents its approximate (J) concentration.

R - Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.
U - The analyte was analyzed for, but due to blank contamination was flagged as non-detect (U). The result is usable as nondetect.
UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The "UJ" data may be biased low.
Highlighted text denotes concentrations exceeding NYSDEC Restricted-Residential Use SCO

Table 1
Soil Sample Analytical Data Summary
Volatile Organic Compounds
EPA Method 8260

LiTungsten Site

Client Sample ID:	NYSDEC Restricted-Residential Use SCO [1]	EP026		EP027		EP028		EP029		EP030		EP031	
Sample Depth:		4-5' (S)		5' (B)		4-5' (S)		7' (B)		4-5' (S)		4-5' (S)	
Laboratory ID:		480-75692-11		480-75692-12		480-75692-13		480-75763-1		480-75763-2		480-75763-3	
Sampling Date:		2/19/2015		2/19/2015		2/19/2015		2/23/2015		2/23/2015		2/23/2015	
Volatile Organic Compounds (µg/kg)													
1,1,1-Trichloroethane[f]	100,000[a]	0.33	U	1.5	U	0.35	U	0.37	U	0.39	U	0.38	U
1,1,2,2-Tetrachloroethane	NS	0.74	U	3.4	U	0.78	U	0.82	U	0.88	U	0.85	U
1,1,2-Trichloro-1,2,2-trifluoroethane	NS	1.0	U	4.7	U	1.1	U	1.1	U	1.2	U	1.2	U
1,1,2-Trichloroethane	NS	0.59	U	2.7	U	0.62	U	0.66	U	0.70	U	0.68	U
1,1-Dichloroethane[f]	26,000	0.55	U	2.5	U	0.59	U	0.61	U	0.66	U	0.64	U
1,1-Dichloroethene[f]	100,000[a]	0.56	U	2.5	U	0.59	U	0.62	U	0.66	U	0.64	U
1,2,4-Trichlorobenzene	NS	0.28	U	1.3	U	0.29	U	0.31	U	0.33	U	0.32	U
1,2,4-Trimethylbenzene[f]	52,000	0.87	U	4.0	U	0.92	U	0.97	U	1.0	U	1.0	U
1,2-Dibromo-3-chloropropane	NS	2.3	U	10	U	2.4	U	2.5	U	2.7	U	2.6	U
1,2-Dibromoethane	NS	0.58	U	2.7	U	0.62	U	0.65	U	0.70	U	0.67	U
1,2-Dichlorobenzene[f]	100,000[a]	0.35	U	1.6	U	0.38	U	0.39	U	0.42	U	0.41	U
1,2-Dichloroethane	3,100	0.23	U	1.0	U	0.24	U	0.25	U	0.27	U	0.26	U
1,2-Dichloropropane	NS	2.3	U	10	U	2.4	U	2.5	U	2.7	U	2.6	U
1,3,5-Trimethylbenzene[f]	52,000	0.29	U	1.3	U	0.31	U	0.32	U	0.35	U	0.34	U
1,3-Dichlorobenzene[f]	49,000	0.23	U	1.1	U	0.25	U	0.26	U	0.28	U	0.27	U
1,4-Dichlorobenzene	13,000	0.64	U	2.9	U	0.67	U	0.71	U	0.76	U	0.73	U
1,4-Dioxane	13,000	20	U	90	U	21	U	22	U *	24	U *	23	U *
2-Butanone	100,000[a]	71		230		1.8	U	9.9	J	16	J	1.9	U
2-Hexanone	NS	2.3	U	10	U	2.4	U	2.5	U	2.7	U	2.6	U
4-Methyl-2-pentanone	NS	1.5	U	6.8	U	1.6	U	1.7	U	1.8	U	1.7	U
Acetone	100,000[a]	280	B	900	B	13	JB	42		69		4.4	U
Benzene	4,800	0.22	U	1.4	J	0.24	U	0.25	U	0.27	U	0.26	U
Bromodichloromethane	NS	0.61	U	2.8	U	0.64	U	0.68	U	0.73	U	0.70	U
Bromoform	NS	2.3	U	10	U	2.4	U	2.5	U	2.7	U	2.6	U
Bromomethane	NS	0.41	U	1.9	U	0.43	U	0.45	U	0.49	U	0.47	U
Carbon disulfide	NS	2.3	U	10	U	2.4	U	10		2.8	J	2.6	U
Carbon tetrachloride[f]	2,400	0.44	U	2.0	U	0.46	U	0.49	U	0.52	U	0.51	U
Chlorobenzene	100,000[a]	0.60	U	2.7	U	0.63	U	0.67	U	0.71	U	0.69	U
Chloroethane	NS	1.0	U	4.7	U	1.1	U	1.1	U	1.2	U	1.2	U
Chloroform	49,000	0.28	U	1.3	U	0.30	U	0.96	J B	1.2	J B	1.3	J B
Chloromethane	NS	0.27	U	1.3	U	0.29	U	0.30	U	0.33	U	0.32	U
cis-1,2-Dichloroethene[f]	100,000[a]	0.58	U	2.7	U	0.61	U	0.65	U	0.69	U	0.67	U
cis-1,3-Dichloropropene	NS	0.65	U	3.0	U	0.69	U	0.73	U	0.78	U	0.76	U
Cyclohexane	NS	0.64	U	2.9	U	0.67	U	0.71	U	0.76	U	0.73	U
Dibromochloromethane	NS	0.58	U	2.7	U	0.61	U	0.65	U	0.69	U	0.67	U
Dichlorodifluoromethane	NS	0.37	U	1.7	U	0.40	U	0.42	U	0.45	U	0.43	U
Ethylbenzene[f]	41,000	0.31	U	1.4	U	0.33	U	0.35	U	0.37	U	0.36	U
Isopropylbenzene	NS	0.68	U	3.1	U	0.72	U	0.76	U	0.82	U	0.79	U
Methyl acetate	NS	2.7	U	13	U	2.9	U	3.0	U	3.3	U	3.2	U
Methyl tert butyl ether[f]	100,000[a]	0.45	U	2.0	U	0.47	U	0.49	U	0.53	U	0.52	U
Methylcyclohexane	NS	0.69	U	3.2	U	0.73	U	1.4	J	0.82	U	0.80	U
Methylene chloride	100,000[a]	2.1	U	13	JB	2.4	JB	2.3	U	2.5	U	2.4	U
n-Butylbenzene[f]	100,000[a]	0.39	U	1.8	U	0.42	U	0.44	U	0.47	U	0.46	U
n-Propylbenzene[f]	100,000[a]	0.36	U	1.7	U	0.38	U	0.54	J	0.43	U	0.42	U
sec-Butylbenzene[f]	100,000[a]	0.39	U	1.8	U	0.42	U	0.44	U	0.47	U	0.46	U
Styrene	NS	0.23	U	1.0	U	0.24	U	0.25	U	0.27	U	0.26	U
tert-Butylbenzene[f]	100,000[a]	0.47	U	2.2	U	0.50	U	0.52	U	1.6	J	0.55	U
Tetrachloroethene	19,000	0.61	U	2.8	U	0.64	U	0.68	U	0.73	U	0.70	U
Toluene	100,000[a]	0.71	J	2.1	J	0.53	J	0.38	U	0.59	J	0.54	J
trans-1,2-Dichloroethene[f]	100,000[a]	0.47	U	2.1	U	0.50	U	0.52	U	0.56	U	0.54	U
trans-1,3-Dichloropropene	NS	2.0	U	9.1	U	2.1	U	2.2	U	2.4	U	2.3	U
Trichloroethene	21,000	1.0	U	4.6	U	1.1	U	1.1	U	1.2	U	1.2	U
Trichlorofluoromethane	NS	0.43	U	2.0	U	0.45	U	0.48	U	0.51	U	0.50	U
Vinyl chloride[f]	900	0.55	U	2.5	U	0.59	U	0.61	U	0.66	U	0.64	U
Xylenes	100,000[a]	0.76	U	3.5	U	0.81	U	0.85	U	0.91	U	0.88	U

Notes:

(1) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Restriced Use of Soil Cleanup Objective Table 375-6.8b 12/06

a - The SCOs for residential, restricted-residential and ecological resources use were capped at a maximum value of 100 ppm. See TSD section 9.3.

e - For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is used as the SCO value.

f - For constituents where the calculated SCO was lower than the rural soil background concentration, as determined by the department and department of health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site.

NS - No Standard

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expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

U - The analyte was analyzed for, but due to blank contamination was flagged as non-detect (U). The result is usable as nondetect.

UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The "UJ" data may be biased low.

Highlighted text denotes concentrations exceeding NYSDEC Restricted-Residential Use SCO

Table 2
Soil Sample Analytical Data Summary
Semi-Volatile Organic Compounds
EPA Method 8270

LiTungsten Site

Client Sample ID:	NYSDEC Restricted-Residential Use SCO [1]	EP001	EP002	EP003	EP004	EP005	EP006	EP007	EP008	EP009	EP010	EP011	EP012	EP014	EP015	EP016	EP017	EP018	EP019	EP020	EP021	EP022	EP023	EP024	EP025
Sample Depth:		4-5' (S)	4-5' (S)	5' (B)	4-5' (S)	6' (B)	6' (B)	6' (B)	5-6' (S)	5' (S)	5' (S)	5' (S)	6' (B)	6' (B)	6' (B)	5' (S)	6' (B)	5' (S)	6' (B)	5' (S)	4-5' (S)	4-5' (S)	3-4' (S)	3-4' (S)	6' (B)
Laboratory ID:		460-83733-1	460-83733-2	460-83733-3	460-83733-4	460-83733-5	460-83733-6	460-83733-7	460-83733-8	460-84235-1	460-84235-2	460-84235-3	460-84235-4	460-84235-6	460-84235-7	460-84235-8	460-84235-9	460-84320-1	460-84320-2	460-84320-3	480-75692-6	480-75692-5	480-75692-3	480-75692-3	480-75692-2
Sampling Date:		10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/9/2014	10/9/2014	10/9/2014	10/9/2014	10/9/2014	10/9/2014	10/9/2014	10/9/2014	10/10/2014	10/10/2014	10/10/2014	2/18/2015	2/18/2015	2/18/2015	2/18/2015	2/18/2015
Semi-Volatile Organic Compounds																									
2,4,5-Trichlorophenol	NS	1,100 U	910 U	900 U	600 U	460 U	1,200 U	1,100 U	600 U	410 U	380 U	450 U	1,700 U	1,500 U	920 U	400 U	820 U	380 U	980 U	380 U	270 U	260 U	260 U	250 U	260 U
2,4,6-Trichlorophenol	NS	1,100 U	910 U	900 U	600 U	460 U	1,200 U	1,100 U	600 U	410 U	380 U	450 U	1,700 U	1,500 U	920 U	400 U	820 U	380 U	980 U	380 U	200 U	190 U	200 U	180 U	190 U
2,4-Dichlorophenol	NS	1,100 U	910 U	900 U	600 U	460 U	1,200 U	1,100 U	600 U	410 U	380 U	450 U	1,700 U	1,500 U	920 U	400 U	820 U	380 U	980 U	380 U	110 U	100 U	100 U	97 U	100 U
2,4-Dimethylphenol	NS	1,100 U	910 U	900 U	600 U	460 U	1,200 U	1,100 U	600 U	410 U	380 U	450 U	1,700 U	1,500 U	920 U	400 U	820 U	380 U	980 U	380 U	240 U	230 U	240 U	220 U	230 U
2,4-Dinitrophenol	NS	2,200 U	1,800 U	1,800 U	1,200 U	940 U	2,400 U	2,100 U	1,200 U	840 U	780 U	910 U	3,400 U	3,000 U	1,900 U	810 U	1,700 U	770 U	2,000 U	770 U	600 U	570 U	590 U	550 U	570 U
2,4-Dinitrotoluene	NS	220 U	180 U	180 U	120 U	94 U	240 U	210 U	120 U	84 U	78 U	91 U	340 U	300 U	190 U	81 U	170 U	77 U	200 U	77 U	210 U	200 U	200 U	190 U	200 U
2,6-Dinitrotoluene	NS	220 U	180 U	180 U	120 U	94 U	240 U	210 U	120 U	84 U	78 U	91 U	340 U	300 U	190 U	81 U	170 U	77 U	200 U	77 U	120 U	110 U	120 U	110 U	110 U
2-Chloronaphthalene	NS	1,100 U	910 U	900 U	600 U	460 U	1,200 U	1,100 U	600 U	410 U	380 U	450 U	1,700 U	1,500 U	920 U	400 U	820 U	380 U	980 U	380 U	160 U	160 U	160 U	150 U	160 U
2-Chlorophenol	NS	1,100 U	910 U	900 U	600 U	460 U	1,200 U	1,100 U	600 U	410 U	380 U	450 U	1,700 U	1,500 U	920 U	400 U	820 U	380 U	980 U	380 U	180 U	170 U	180 U	170 U	170 U
2-Methylnaphthalene	NS	1,100 U	910 U	900 U	600 U	460 U	1,200 U	1,100 U	600 U	34 J	21 J	86 J	1,700 U	1,500 U	920 U	400 U	820 U	380 U	980 U	380 U	200 U	190 U	200 U	180 U	190 U
2-Methylphenol	NS	1,100 U	910 U	900 U	600 U	460 U	1,200 U	1,100 U	600 U	410 U	380 U	450 U	1,700 U	1,500 U	920 U	400 U	820 U	380 U	980 U	380 U	120 U	110 U	120 U	110 U	110 U
2-Nitroaniline	NS	1,100 U	910 U	900 U	600 U	460 U	1,200 U	1,100 U	600 U	410 U	380 U	450 U	1,700 U	1,500 U	920 U	400 U	820 U	380 U	980 U	380 U	150 U	140 U	140 U	130 U	140 U
2-Nitrophenol	NS	1,100 U	910 U	900 U	600 U	460 U	1,200 U	1,100 U	600 U	410 U	380 U	450 U	1,700 U	1,500 U	920 U	400 U	820 U	380 U	980 U	380 U	280 U	270 U	280 U	260 U	270 U
3,3'-Dichlorobenzidine	NS	1,100 U	910 U	900 U	600 U	460 U	1,200 U	1,100 U	600 U	410 U	380 U	450 U	1,700 U	1,500 U	920 U	400 U	820 U	380 U	980 U	380 U	1,200 U	1,100 U	1,200 U	1,100 U	1,100 U
3-Nitroaniline	NS	1,100 U	910 U	900 U	600 U	460 U	1,200 U	1,100 U	600 U	410 U	380 U	450 U	1,700 U	1,500 U	920 U	400 U	820 U	380 U	980 U	380 U	280 U	260 U	270 U	250 U	260 U
4,6-Dinitro-o-cresol[c]	100,000[a]	2,200 U	1,800 U	1,800 U	1,200 U	940 U	2,400 U	2,100 U	1,200 U	840 U	780 U	910 U	3,400 U	3,000 U	1,900 U	810 U	1,700 U	770 U	2,000 U	770 U	1,000 U	950 U	980 U	910 U	950 U
4-Bromophenyl phenyl ether	NS	1,100 U	910 U	900 U	600 U	460 U	1,200 U	1,100 U	600 U	410 U	380 U	450 U	1,700 U	1,500 U	920 U	400 U	820 U	380 U	980 U	380 U	140 U	130 U	140 U	130 U	130 U
4-Chloro-3-methylphenol	NS	1,100 U	910 U	900 U	600 U	460 U	1,200 U	1,100 U	600 U	410 U	380 U	450 U	1,700 U	1,500 U	920 U	400 U	820 U	380 U	980 U	380 U	250 U	230 U	240 U	230 U	230 U
4-Chloroaniline	NS	1,100 U	910 U	900 U	600 U	460 U	1,200 U	1,100 U	600 U	410 U	380 U	450 U	1,700 U	1,500 U	920 U	400 U	820 U	380 U	980 U	380 U	250 U	230 U	240 U	230 U	230 U
4-Chlorophenyl phenyl ether	NS	1,100 U	910 U	900 U	600 U	460 U	1,200 U	1,100 U	600 U	410 U	380 U	450 U	1,700 U	1,500 U	920 U	400 U	820 U	380 U	980 U	380 U	120 U	120 U	120 U	110 U	120 U
4-Methylphenol	NS	1,100 U	910 U	900 U	600 U	460 U	1,200 U	830 J	56 J	410 U	380 U	110 J	1,700 U	1,500 U	920 U	400 U	820 U	380 U	980 U	380 U	120 U	110 U	120 U	110 U	110 U
4-Nitroaniline	NS	1,100 U	910 U	900 U	600 U	460 U	1,200 U	1,100 U	600 U	410 U	380 U	450 U	1,700 U	1,500 U	920 U	400 U	820 U	380 U	980 U	380 U	520 U	500 U	510 U	480 U	500 U
4-Nitrophenol	NS	2,200 U	1,800 U	1,800 U	1,200 U	940 U	2,400 U	2,100 U	1,200 U	840 U	780 U	910 U	3,400 U	3,000 U	1,900 U	810 U	1,700 U	770 U	2,000 U	770 U	700 U	660 U	680 U	640 U	660 U
Acenaphthene	100,000[g]	1,100 U	910 U	900 U	600 U	460 U	1,200 U	1,100 U	600 U	410 U	36 J	67 J	1,700 U	1,500 U	920 U	47 J	820 U	380 U	980 U	380 U	150 U	140 U	140 U	130 U	140 U
Acenaphthylene[f]	100,000[g]	1,100 U	910 U	900 U	600 U	460 U	1,200 U	1,100 U	600 U	410 U	26 J	51 J	1,700 U	1,500 U	920 U	14 J	820 U	380 U	980 U	380 U	130 U	120 U	130 U	120 U	120 U
Acetophenone	NS	1,100 U	910 U	900 U	600 U	460 U	1,200 U	1,100 U	600 U	410 U	8.7 J	450 U	1,700 U	1,500 U	920 U	400 U	820 U	380 U	980 U	380 U	140 U	130 U	130 U	120 U	130 U
Anthracene[f]	100,000[g]	1,100 U	910 U	900 U	600 U	460 U	1,200 U	1,100 U	600 U	410 U	49 J	210 J	1,700 U	1,500 U	920 U	400 U	820 U	380 U	980 U	380 U	250 U	230 U	240 U	230 U	230 U
Atrazine	NS	1,100 U	910 U	900 U	600 U	460 U	1,200 U	1,100 U	600 U	410 U	380 U	450 U	1,700 U	1,500 U	920 U	400 U	820 U	380 U	980 U	380 U	350 U	330 U	340 U	320 U	330 U
Benzaldehyde	NS	150 J	910 U	900 U	600 U	460 U	190 J	220 J	55 J	410 U	380 U	37 J	1,700 U	1,500 U	920 U	400 U	66 J	380 U	980 U	380 U	790 U	750 U	780 U	730 U	750 U
Benzo(a)anthracene[f]	1,000[f]	110 U	91 U	90 U	60 U	46 U	120 U	110 U	60 U	41 U	180	590	170 U	150 U	92 U	40 U	82 U	38 U	98 U	38 U	100 U	95 U	98 U	91 U	95 U
Benzo(a)pyrene	1,000[f]	110 U	91 U	90 U	60 U	46 U	120 U	110 U	60 U	26 J	200	540	170 U	150 U	92 U	40 U	82 U	38 U	98 U	38 U	150 U	140 U	140 U	130 U	140 U
Benzo(b)fluoranthene[f]	1,000[f]	110 U	91 U	90 U	60 U	46 U	120 U	110 U	32 J	41	320	590	170 U	150 U	92 U	40 U	82 U	38 U	98 U	38 U	160 U	150 U	160 U	150 U	150 U
Benzo(ghi)perylene[f]	100,000[g]	1,100 U	910 U	900 U	600 U	460 U	1,200 U	1,100 U	600 U	34 J	320 J	460	1,700 U	1,500 U	920 U	400 U	820 U	380 U	980 U	380 U	110 U	100 U	100 U	97 U	100 U
Benzo(k)fluoranthene[f]	3,900	120	91 U	90 U	60 U	46 U	120 U	110 U	60 U	41 U	86	200	170 U	150 U	92 U	40 U	82 U	38 U	98 U	38 U	130 U	120 U	130 U	120 U	120 U
Biphenyl	NS	1,100 U	910 U	900 U	600 U	460 U	1,200 U	1,100 U	600 U	410 U	380 U	450 U	1,700 U	1,500 U	920 U	400 U	820 U	380 U	980 U	380 U	150 U	140 U	140 U	130 U	140 U
Bis(2-chloroisopropyl)ether	NS	1,100 U	910 U	900 U	600 U	460 U	1,200 U	1,100 U	600 U	410 U	380 U	450 U	1,700 U	1,500 U	920 U	400 U	820 U	380 U	980 U	380 U	200 U	190 U	200 U	180 U	190 U
Bis(2-chloroethoxy)methane	NS	1,100 U	910 U	900 U	600 U	460 U	1,200 U	1,100 U	600 U	410 U	380 U	450 U	1,700 U	1,500 U	920 U	400 U	820 U	380 U	980 U	380 U	210 U	200 U	210 U	190 U	200 U
Bis(2-chloroethyl)ether	NS	110 U	91 U	90 U	60 U	46 U	120 U	110 U	60 U	41 U	38 U	45 U	170 U	150 U	92 U	40 U	82 U	38 U	98 U	38 U	130 U	120 U	130 U	120 U	120 U
Bis(2-Ethylhexyl)phthalate	NS	1,100 U	910 U	900 U	600 U	460 U	1,200 U	1,100 U	600 U	410 U	380 U	450 U	1,700 U	1,500 U	920 U	400 U	820 U	380 U	980 U	380 U	340 U	320 U	330 U	310 U	320 U
Butyl benzyl phthalate	NS	1,100 U	910 U	900 U	600 U	460 U	1,200 U	1,100 U	600 U	410 U	380 U	450 U	1,700 U	1,500 U	920 U	400 U	820 U	380 U	980 U	380 U	160 U	160 U	160 U	150 U	160 U
Caprolactum	NS	1,100 U	910 U	900 U	600 U	460 U	1,200 U	1,100 U	600 U	410 U	380 U	450 U	1,700 U	1,500 U	920 U	400 U	820 U	380 U	980 U	380 U	300 U	280 U	290 U	270 U	280 U
Carbazole	NS	1,100 U	910 U	900 U	600 U	460 U	1,200 U	1,100 U	600 U	410 U	20 J	17 J	1,700 U	1,500 U	920 U	400 U	820 U	380 U	980 U	380 U	120 U	110 U	120 U	110 U	110 U
Chrysene[f]	3,900	1,100 U	910 U	900 U	600 U	460 U	1,200 U	1,100 U	25 J	410 U	240 J	620	1,700 U	1,500 U	920 U	20 J	820 U	380 U	980 U	380 U	220 U	210 U	220 U	200 U	210 U
Dibenzo(a,h)anthracene[f]	330[e]	110 U	91 U	90 U	60 U	46 U	120 U	110 U	60 U	41 U	56	97	170 U	150 U	92 U	40 U	82 U	38 U	98 U	38 U	180 U	170 U	170 U	160 U	170 U
Dibenzofuran[c]	59,000	1,100 U	910 U	900 U	600 U	460 U	1,200 U	1,100 U	600 U	410 U	21	56 J	1,700 U	1,500 U	920 U	53 J	820 U	380 U	980 U	380 U	120 U	110 U	120 U	110 U	110 U
Diethyl phthalate	NS	1,100 U	910 U	900 U	600 U	460 U	1,200 U	1,100 U	600 U	410 U	380 U	450 U	1,700 U	1,500 U	920 U	400 U	820 U	380 U	980 U	380 U	130 U	120 U	130 U	120 U	120 U
Dimethyl phthalate	NS	1,100 U	910 U	900 U	600 U	460 U	1,200 U	1,100 U	600 U	410 U	380 U	450 U	1,700 U	1,500 U	920 U	400 U	820 U	380 U	980 U	380 U	120 U	110 U	120 U	110 U	110 U
Di-n-butylphthalate	NS	1,100 U	910 U	900 U	600 U	460 U	1,200 U	1,100 U	600 U	14 J	380 U	450 U	1,700 U	1,500 U	920 U	12 J	820 U	380 U	980 U	380 U	170 U	160 U	170 U	160 U	160 U
Di-n-octylphthalate	NS	1,100 U	910 U	900 U	600 U	460 U	1,200 U	1,100 U	600 U	410 U	380 U	450 U	1,700 U	1,500 U	920 U	400 U	820 U	380 U	980 U	380 U	120 U	110 U	120 U	110 U	110 U
Fluoranthene[f]	100,000[g]	1,100 U	910 U	900 U	600 U	460 U	1,200 U	1,100 U	59 J	38 J	280 J	730	1,700 U	1,500 U	920 U	16 J	820 U	380 U	980 U	380 U	110 U	290 J	350 J	97 U	100 U
Fluorene	100,000[g]	1,100 U	910 U	900 U	600 U	460 U	1,200 U	1,100 U	15 J	17 J	23 J	90 J	1,700 U	1,500 U	920 U	400 U	820 U	380 U	980 U	380 U	120 U	110 U	120 U	110 U	110 U
Hexachlorobenzene	1,200	110 U	91 U	90 U	60 U	46 U	120 U	110 U	60 U	41 U	38 U	45 U	170 U	150 U	92 U	40 U	82 U	38 U	98 U	38 U	140 U	130 U	130 U	120 U	130 U
Hexachlorobutadiene	NS	220 U	180 U	180 U	120 U	94 U	240 U	210 U	120 U	84 U	78 U	91 U	340 U	300 U	190 U	81 U	170 U	77 U	200 U	77 U	150 U	140 U	140 U	130 U	140 U
Hexachlorocyclopentadiene	NS	1,100 U	910 U	900 U	600 U	460 U	1,200 U	1,100 U	600 U	410 U	380 U	450 U	1,700 U	1,500 U	920 U	400 U	820 U	380 U	980 U	380 U	140 U	130 U	130 U	120 U	130 U
Hexachloroethane	NS	110 U	91 U	90 U	60 U	46 U	120 U	110 U	60 U	41 U	38 U	45 U	170 U	150 U	92 U	40 U	82 U	38 U	98 U	38 U	130 U	120 U	130 U	120 U	120 U
Indeno(1,2,3-cd)Pyrene[f]	500[f]	110 U	91 U	90 U	60 U	46 U	120 U	110 U	60 U	28 J	300	430	170 U	150 U	92 U	40 U	82 U	38 U	98 U	38 U	120 U	120 U	120 U	110 U	120 U
Isophorone	NS	1,100 U	910 U	900 U	600 U	460 U	1,200 U	1,100 U	600 U	410 U	380 U	450 U	1,700 U	1,500 U	920 U	400 U	820 U	380 U	980 U	380 U	210 U	200 U	210 U	190 U	200 U
Naphthalene[f]	100,000[g]	1,100 U	910 U	900 U	600 U	460 U	1,200 U	1,100 U	19 J	58 J	41 J	210 J	1,700 U	1,500 U	920 U	400 U	820 U	380 U	980 U	380 U	130 U	120 U	130 U	120 U	120 U
Nitrobenzene	NS	110 U	91 U	90 U	60 U	46 U	120 U	110 U	60 U	41 U	38 U	45 U	170 U	150 U	92 U	40 U	82 U	38 U	98 U	38 U	110 U	110 U	110 U	100 U	110 U
n-Nitrosodi-n-propylamine	NS	110 U	91 U	90 U	60 U	46 U	120 U	110 U	60 U	41 U	38 U	45 U	170 U	150 U	92 U	40 U	82 U	38 U	98 U	38 U	170 U	160 U	170 U	160 U	160 U
NitrosoDiPhenylAmine(NDPA)/DPA	NS	1,100 U	910 U	900 U	600 U	460 U	1,200 U	1,100 U	600 U	410 U	380 U	450 U	1,700 U	1,500 U	920 U	400 U	820 U	380 U	980 U	380 U	810 U *	770 U *	790 U *	740 U *	770 U *
Pentachlorophenol	6,700	2,200 U	1,800 U	1,800 U	1,200 U	940 U	2,400 U	2,100 U	1,200 U	840 U	780 U	910 U	3,400 U	3,000 U	1,900 U	810 U	1,700 U	770 U	2,000 U	770 U	1,000 U	950 U	980 U	910 U	950 U
Phenanthrene[f]	100,000[g]	1,100 U	910 U	900 U	600 U	460 U	1,200 U	1,100 U	40 J	49 J	200 J	420 J	98 J	1,500 U	920 U	400 U	820 U	380 U	980 U	380 U	150 U	240 J	230 J	130 U	140 U
Phenol	100,000[g]	1,100 U	910 U	900 U	600 U	460 U	1,200 U	1,100 U	600 U	410 U	380 U	450 U	1,700 U	1,500 U	920 U	400 U	820 U	380 U	980 U	380 U	150 U	140 U	150 U	140 U	150 U
Pyrene[f]	100,000[g]	1,100 U	910 U	900 U	600 U	460 U	1,200 U	1,100 U	55 J	56 J	310 J	1,300	1,700 U	1,500 U	920 U	43 J	820 U	380 U	980 U	380 U	120 U	330 J	350 J	110 U	110 U
Total SVOCs		270	ND	ND	ND	ND	190	1,050	356	395	2,738	6,911	98	ND	ND	205	66	ND	ND	ND	ND	860	930	ND	ND

Notes:
(1) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Restriced Use of Soil Cleanup Objective Table 375-6.8b 12/06
a - The SCOs for residential, restricted-residential and ecological resources use were capped at a maximum value of 100 ppm. See TSD section 9.3.
c - The SCOs for industrial use and protection of groundwater were capped at a maximum value of 1,000 ppm. See TSD section 9.3.
e - For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is used as the SCO value.
f - For constituents where the calculated SCO was lower than the rural soil background concentration, as determined by the department and department of health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site.
NS - No Standard
B - Compound was found in the blank and sample.
J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The "J" data may be biased high or low or the direction of the bias may be indeterminable.
JN - The analysis indicated the presence of a compound that has been "tentatively identified" (N) and the associated numerical value represents its approximate (J) concentration.

R - Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.
U - The analyte was analyzed for, but due to blank contamination was flagged as non-detect (U). The result is usable as nondetect.
UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The "UJ" data may be biased low.
Highlighted text denotes concentrations exceeding NYSDEC Restricted-Residential Use SCO

Table 2
Soil Sample Analytical Data Summary
Semi-Volatile Organic Compounds
EPA Method 8270

LiTungsten Site

Client Sample ID:	NYSDEC Restricted-Residential Use SCO [1]	EP026		EP027		EP028		EP029		EP030		EP031	
Sample Depth:		4-5' (S)		5' (B)		4-5' (S)		7' (B)		4-5' (S)		4-5' (S)	
Laboratory ID:		480-75692-11		480-75692-12		480-75692-13		480-75763-1		480-75763-2		480-75763-3	
Sampling Date:		2/19/2015		2/19/2015		2/19/2015		2/23/2015		2/23/2015		2/23/2015	
Semi-Volatile Organic Compounds													
2,4,5-Trichlorophenol	NS	280	U	720	U	240	U	300	U	300	U	260	U
2,4,6-Trichlorophenol	NS	210	U	530	U	180	U	220	U	220	U	190	U
2,4-Dichlorophenol	NS	110	U	280	U	95	U	120	U	120	U	100	U
2,4-Dimethylphenol	NS	250	U	640	U	220	U	270	U	270	U	230	U
2,4-Dinitrophenol	NS	620	U	1,600	U	540	U	670	U	670	U	580	U
2,4-Dinitrotoluene	NS	210	U	550	U	180	U	230	U	230	U	200	U
2,6-Dinitrotoluene	NS	120	U	310	U	110	U	130	U	130	U	110	U
2-Chloronaphthalene	NS	170	U	440	U	150	U	180	U	180	U	160	U
2-Chlorophenol	NS	190	U	480	U	160	U	200	U	200	U	180	U
2-Methylnaphthalene	NS	210	U	530	U	180	U	220	U	220	U	190	U
2-Methylphenol	NS	120	U	310	U	110	U	130	U	130	U	110	U
2-Nitroaniline	NS	150	U	390	U	130	U	160	U	160	U	140	U
2-Nitrophenol	NS	290	U	750	U	250	U	310	U	310	U	270	U
3,3'-Dichlorobenzidine	NS	1,200	U	3,100	U	1,100	U	1,300	U	1,300	U	1,100	U
3-Nitroaniline	NS	280	U	730	U	250	U	310	U *	310	U *	270	U *
4,6-Dinitro-o-cresol[f]	100,000[a]	1,000	U	2,700	U	900	U	1,100	U	1,100	U	970	U
4-Bromophenyl phenyl ether	NS	150	U	370	U	130	U	160	U	160	U	140	U
4-Chloro-3-methylphenol	NS	250	U	660	U	220	U	270	U	280	U	240	U
4-Chloroaniline	NS	250	U	660	U	220	U	270	U *	280	U *	240	U *
4-Chlorophenyl phenyl ether	NS	130	U	330	U	110	U	140	U	140	U	120	U
4-Methylphenol	NS	120	U	310	U	110	U	130	U	130	U	110	U
4-Nitroaniline	NS	540	U	1,400	U	470	U	580	U	580	U	510	U
4-Nitrophenol	NS	720	U	1,900	U	630	U	780	U	780	U	680	U
Acenaphthene	100,000[a]	150	U	390	U	130	U	160	U	160	U	140	U
Acenaphthylene[f]	100,000[a]	130	U	340	U	120	U	140	U	140	U	130	U
Acetophenone	NS	140	U	360	U	120	U	150	U	150	U	130	U
Anthracene[f]	100,000[a]	250	U	660	U	220	U	270	U	280	U	240	U
Atrazine	NS	360	U	920	U	310	U	390	U	390	U	340	U
Benzaldehyde	NS	820	U	2,100	U	710	U	880	U	880	U	770	U
Benzo(a)anthracene[f]	1,000[f]	100	U	270	U	90	U	110	U	380	J	97	U
Benzo(a)pyrene	1,000[f]	150	U	390	U	140	J	160	U	260	J	140	U
Benzo(b)fluoranthene[f]	1,000[f]	160	U	420	U	150	J	180	U	310	J	150	U
Benzo(ghi)perylene[f]	100,000[a]	110	U	280	U	100	J	120	U	140	J	100	U
Benzo(k)fluoranthene[f]	3,900	130	U	340	U	130	J	140	U	200	J	130	U
Biphenyl	NS	150	U	390	U	130	U	160	U	160	U	140	U
Bis(2-chloroisopropyl)ether	NS	210	U	530	U	180	U	220	U	220	U	190	U
Bis(2-chloroethoxy)methane	NS	220	U	560	U	190	U	240	U	240	U	200	U
Bis(2-chloroethyl)ether	NS	130	U	340	U	120	U	140	U	140	U	130	U
Bis(2-Ethylhexyl)phthalate	NS	350	U	910	U	310	U	380	U	380	U	330	U
Butyl benzyl phthalate	NS	170	U	440	U	150	U	180	U	180	U	160	U
Caprolactum	NS	310	U	800	U	270	U	330	U	330	U	290	U
Carbazole	NS	120	U	310	U	110	U	130	U	130	U	110	U
Chrysene[f]	3,900	230	U	590	U	200	U	250	U	250	J	220	U
Dibenzo(a,h)anthracene[f]	330[e]	180	U	470	U	160	U	200	U	200	U	170	U
Dibenzofuran[f]	59,000	120	U	310	U	110	U	130	U	130	U	110	U
Diethyl phthalate	NS	130	U	340	U	120	U	140	U	140	U	130	U
Dimethyl phthalate	NS	120	U	310	U	110	U	130	U	130	U	110	U
Di-n-butylphthalate	NS	180	U	450	U	150	U	190	U	190	U	170	U
Di-n-octylphthalate	NS	120	U	310	U	110	U	130	U	130	U	110	U
Fluoranthene[f]	100,000[a]	160	J	310	J	270	J	220	J	670	J	100	U
Fluorene	100,000[a]	120	U	310	U	110	U	130	U	130	U	110	U
Hexachlorobenzene	1,200	140	U	360	U	120	U	150	U	150	U	130	U
Hexachlorobutadiene	NS	150	U	390	U	130	U	160	U	160	U	140	U
Hexachlorocyclopentadiene	NS	140	U	360	U	120	U	150	U	150	U	130	U
Hexachloroethane	NS	130	U	340	U	120	U	140	U	140	U	130	U
Indeno(1,2,3-cd)Pyrene[f]	500[f]	130	U	330	U	110	U	140	U	140	U	120	U
Isophorone	NS	220	U	560	U	190	U	240	U	240	U	200	U
Naphthalene[f]	100,000[a]	130	U	340	U	120	U	140	U	140	U	130	U
Nitrobenzene	NS	120	U	300	U	100	U	120	U	120	U	110	U
n-Nitrosodi-n-propylamine	NS	180	U	450	U	150	U	190	U	190	U	170	U
NitrosoDiPhenylAmine(NDPA)/DPA	NS	840	U *	2,200	U *	730	U *	900	U *	900	U *	790	U *
Pentachlorophenol	6,700	1000	U	2,700	U	900	U	1,100	U	1,100	U	970	U
Phenanthrene[f]	100,000[a]	150	U	390	U	130	U	160	U	160	J	140	U
Phenol	100,000[a]	160	U	410	U	140	U	170	U	170	U	150	U
Pyrene[f]	100,000[a]	170	J	310	U	260	J	230	J	830	J	110	U
Total SVOCs		330		310		1,050		450		3,200		ND	

Notes:

(1) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Restriced Use of Soil Cleanup Objective Table 375-6.8b 12/06

a - The SCOs for residential, restricted-residential and ecological resources use were capped at a maximum value of 100 ppm. See TSD section 9.3.

c - The SCOs for industrial use and protection of groundwater were capped at a maximum value of 1,000 ppm. See TSD section 9.3.

e - For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is used as the SCO value.

f - For constituents where the calculated SCO was lower than the rural soil background concentration, as determined by the department and department of health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site.

NS - No Standard

B - Compound was found in the blank and sample.

J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The "J" data may be biased high or low or the direction of the bias may be indeterminable.

JN - The analysis indicated the presence of a compound that has been "tentatively identified" (N) and the associated numerical value represents its approximate (J) concentration.

R - Data rejected (R) for the data of all the acceptance QC analysis results are biased from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

U - The analyte was analyzed for, but due to blank contamination was flagged as non-detect (U). The result is usable as nondetect.

UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The "UJ" data may be biased low.

Highlighted text denotes concentrations exceeding NYSDEC Restricted-Residential Use SCO

Table 3
Soil Sample Analytical Data Summary
Total Metals
EPA Method 6010

LiTungsten Site

Client Sample ID:	NYSDEC Restricted-Residential Use SCO (1)	EP001	EP002	EP003	EP004	EP005	EP006	EP007	EP008	EP009	EP010	EP011	EP012	EP014	EP015	EP016	EP017	EP018	EP019	EP020	EP021	EP022	EP023	EP024	EP025
Sample Depth:		4-5' (S)	4-5' (S)	5' (B)	4-5' (S)	6' (B)	6' (B)	6' (B)	5-6' (S)	5' (S)	5' (S)	5' (S)	6' (B)	6' (B)	6' (B)	5' (S)	6' (B)	5' (S)	6' (B)	5' (S)	4-5' (S)	4-5' (S)	3-4' (S)	3-4' (S)	6' (B)
Laboratory ID:		460-83733-1	460-83733-2	460-83733-3	460-83733-4	460-83733-5	460-83733-6	460-83733-7	460-83733-8	460-84235-1	460-84235-2	460-84235-3	460-84235-4	460-84235-6	460-84235-7	460-84235-8	460-84235-9	460-84320-1	460-84320-2	460-84320-3	480-75692-6	480-75692-5	480-75692-4	480-75692-3	480-75692-2
Sampling Date:		10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/1/2014	10/9/2014	10/9/2014	10/9/2014	10/9/2014	10/9/2014	10/9/2014	10/9/2014	10/9/2014	10/10/2014	10/10/2014	10/10/2014	2/18/2015	2/18/2015	2/18/2015	2/18/2015	2/18/2015
Total Metals (mg/kg)																									
Aluminum, Total	NS	13,800	13,600	6,910	3,590	11,900	4,810	27,900	12,700	11,100	3,000	5,970	7,360	7,840	12,100	4,380	11,200	4,020	28,100	10,100	2,820	1,070	1,190	2,070	6,070
Antimony, Total	NS	12.3 U	10.1 U	9.7 U	6.8 U	4.9 U	13.5 U	12.0 U	6.4 U	4.7 U	2.1 J	4.6 U	18.3 U	15.9 U	9.9 U	4.3 U	8.8 U	3.3 U	9.7 U	3.6 U	0.47 U	0.46 U	1.4 J	4 J	0.43 U
Arsenic, Total	24*	4.0 J	8.8	5.6 J	6.1	16.4	4.4 J	4.1 J	5.1	20.4	34.4	5.7	12.8 J	4.4 J	9.5	126	4.3 J	27.3	7.4	651	4.5 J	8.1 J	9.9 J	9.7 J	9.2 J
Barium, Total	400	60.5 J	52.9 J	33.4 J	8.0 J	38.3 J	19.0 J	60.7 J	58.1 J	54.1	41.0 J	36.9 J	17.7 J	22.4 J	37.9 J	13.1 J	26.2 J	12.7 J	50.6 J	19.5 J	9.4	5.1	8.9	12.2	19.9
Beryllium, Total	72	1.2 U	0.75 J	0.97 U	0.53 J	1.2	1.3 U	0.96 J	0.68	0.47	0.42 U	0.46 U	1.8 U	1.6 U	0.99 U	0.43 U	0.88 U	0.22 J	1	0.36 U	0.29 J	0.14 J	0.085 J	0.19 J	0.37 J
Cadmium, Total	4.3	2.5 U	2.0 U	1.9 U	1.4 U	0.98 U	2.7 U	2.4 U	1.3 U	0.95 U	0.83 U	0.43 J	3.7 U	3.2 U	2.0 U	0.86 U	1.8 U	0.7 U	1.9 U	10.1	0.036 U	0.034 U	0.1 J	0.1 J	0.1 J
Calcium, Total	NS	12,000	8,010	7,310	1,500 J	723 J	7,370	3,800	2,170	2,080	1,400	1,780	8,410	9,860	7,970	746 J	3,930	469 J	3,520	772 J	544 B	355 B	229 J B	574 B	1,010 B
Chromium, Total[d]	180	21.6	20.0	10.9	7.2	25.8	9.5	39.7	21.6	15.0	6.7	17.7	10.3	9.6	21.9	8.0	20.4	6.6	44.4	21.7	4.1	3.5	4.8	6.1	10.9
Cobalt, Total	NS	4.2 J	7.6 J	2.8 J	3.0 J	17.5	33.7 U	10 J	23.1	11.1 J	4.1 J	6.1 J	45.8 U	39.7 U	5.5 J	2.7 J	5.1 J	2.2 J	11.6	105	16.1	1.9 J	3	8.1	12
Copper, Total	270	5.5 J	20.8	12.1 U	3.0 J	3.8 J	6.5 J	17.9	11.1	28.9	13.2	16.8	22.9 U	19.8 U	9.3 J	5.9	7.8 J	4.6	19.3	8.5	4.2 J	4.8 J	4.8 J	15.5	127
Iron, Total	NS	13,000	17,700	11,400	18,200	32,500	7,360	27,600	24,900	15,200	7,380	16,300	7,920	8,440	19,400	9,180	14,100	7,430	30,900	5,120	4,340 B	3,860 B	2,540 B	4,200 B	7,720 B
Lead, Total	400	14.5	59.3	5.0	3.4 U	4.3	6.7 U	18.3	22.5	111	54.6	47.4	4.1 J	7.2 J	63.3	3.4	17.8	1.9	25.9	14.2	2.2 J	19.9	22	28.7	9.4
Magnesium, Total	NS	3,560	2,770	2,350 J	1,120 J	1,470	2,520 J	5,090	2,180	2,020	987 J	1,950	3,950 J	4,150	3,840	1,110	3,540	803 J	4,640	1,340	638	204	417	592	1,070
Manganese, Total	2,000[f]	138	209	104	51.5	91.7	196	268	161	127	50.3	453	174	223	176	82.3	202	171	201	51.5	52.7 B	73.3 B	17.5 B	49 B	135 B
Nickel, Total	310	15.6 J	16.8 J	7.8 J	6.1 J	16.3	7.9 J	27.9	14.9	10.7	5.1 J	12.0	9.8 J	10.6 J	14.2 J	6.9 J	14.6 J	5.7 J	23.5	127	15.1 J	1.9 J	3.1 J	14.7 J	31.4
Potassium, Total	NS	1,830 J	1,150 J	805 J	308 J	715 J	699 J	2,670 J	834 J	613 J	337 J	1,140 J	1,070 J	907 J	1,750 J	442 J	1,790 J	339 J	2,310 J	783 J	411	155 J	254	468	461
Selenium, Total	180	12.3 U	10.1 U	9.7 U	6.8 U	4.9 U	13.5 U	12.0 U	6.4 U	2.4 J	4.2 U	4.6 U	18.3 U	15.9 U	3.1 J	1.2 J	8.8 U	3.3 U	9.7 U	3.7	3.5 J	2.4 J	1.8 J	4.1 J	6.6 J
Silver, Total	180	6.1 U	5.1 U	4.8 U	3.4 U	2.4 U	6.7 U	6.0 U	3.2 U	2.4 U	2.1 U	1.9 J	9.2 U	7.9 U	4.9 U	2.2 U	4.4 U	1.6 U	4.9 U	1.8 U	0.24 U	1.7 J	0.24 U	0.7 J	1.1 J
Sodium, Total	NS	2,510 J	1,550 J	2,310 J	413 J	533 J	2,460 J	1,810 J	597 J	366 J	187 J	321 J	2,940 J	2,710 J	1,620 J	1,080 U	1,690 J	83.5 J	1,220 J	75.2 J	108 J	61.3 J	87.1 J	120 J	187 J
Thallium, Total	NS	12.3 U	10.1 U	9.7 U	6.8 U	4.9 U	13.5 U	12.0 U	6.4 U	4.7 U	4.2 U	4.6 U	18.3 U	15.9 U	9.9 U	4.3 U	8.8 U	3.3 U	9.7 U	3.6 U	0.36 U	0.34 U	0.36 U	0.3 U	0.32 U
Vanadium, Total	NS	28.9 J	30.0	24.3	8.4 J	34.1	20.9 J	41.9	26.7	20.8	12.6	19.0	28.1 J	25.0 J	43.6	10.2 J	32.5	9.1	53.6	19.0	5.7	4.1	4.9	10.2	12.0
Zinc, Total	10,000[d]	28.1	99.1	13.1 J	10.1 J	39.6	11.6 J	72.7	44.6	221.0	403.0	71.0	14.0 J	13.3 J	34.1	35.5	30.8	12.8	42.8	142	438 B	12 B	12 B	18 B	29 B
Mercury, Total	0.81[f]	0.054 U	0.13	0.033 J	0.029 U	0.036	0.073	0.058	0.037	0.060	0.14	0.063	0.084 U	0.076 U	0.043 U	0.019 U	0.042 U	0.019 U	0.050 U	0.019 U	0.0092 U	0.0094 U	0.017 J	0.024	0.017 J

Notes:

(1) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Restriced Use of Soil Cleanup Objective Table 375-6.8b 12/06

* Site Specific Cleanup Objective

d - The SCOs for metals were capped at a maximum value of 10,000 ppm. See TSD section 9.3.

f - For constituents where the calculated SCO was lower than the rural soil background concentration, as determined by the department and department of health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site.

j - This SCO is the lower of the values for mercury (elemental) or mercury (inorganic salts). See TSD Table 5.6-1.

NS - No Standard

B - Compound was found in the blank and sample.

J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The "J" data may be biased high or low or the direction of the bias may be indeterminable.

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Highlighted text denotes concentrations exceeding NYSDEC Restricted-Residential Use SCO

Table 3
Soil Sample Analytical Data Summary
Total Metals
EPA Method 6010

LiTungsten Site

Client Sample ID:	NYSDEC Restricted-Residential Use SCO (1)	EP026		EP027		EP028		EP029		EP030		EP031	
Sample Depth:		4-5' (S)		5' (B)		4-5' (S)		7' (B)		4-5' (S)		4-5' (S)	
Laboratory ID:		480-75692-11		480-75692-12		480-75692-13		480-75763-1		480-75763-2		480-75763-3	
Sampling Date:		2/19/2015		2/19/2015		2/19/2015		2/23/2015		2/23/2015		2/23/2015	
Total Metals (mg/kg)													
Aluminum, Total	NS	6,790		7,250		1,720		1,710		4,090		1,110	
Antimony, Total	NS	0.49	U	1.2	U	0.44	J	53.6	J	0.92	J	0.68	J
Arsenic, Total	24*	6.6	J	14.3	J	4.0	J	18.1		6.4	J	1.9	J
Barium, Total	400	56.5		60.2		8.0		13.0		44.6		6.2	
Beryllium, Total	72	0.34	J	0.41	J	0.11	J	0.18	J	0.28	J	0.087	J
Cadmium, Total	4.3	0.095	J	0.089	U	0.43	J	0.054	J	0.040	U	0.033	U
Calcium, Total	NS	1,070	B	5,040	B	561	B	429	B	1,490	B	316	B
Chromium, Total[e]	180	15.8		10.9		2.9		6.6		10.2		3.4	
Cobalt, Total	NS	82.0		5.8	J	9.8		6.1		4.4		5.8	
Copper, Total	270	9.3		31.1		2.7	J	127		9.5		1.7	J
Iron, Total	NS	8,900	B	16,700	B	1,980	B	3,870		14,900		2,350	
Lead, Total	400	8.4		60.3		11.7		39.9		22.2		4.0	J
Magnesium, Total	NS	3,000		1,800		307		550		986		284	
Manganese, Total	2,000[f]	119	B	174	B	33.3	B	25.9	B	209	B	48.9	B
Nickel, Total	310	17.8	J	8.7	J	5.6	J	3.5	J	9.4	J	2.8	J
Potassium, Total	NS	2,630		836		221		521		682		180	
Selenium, Total	180	5.1	J	20.3	J	3.5	J	3.8	J	0.54	J	1.1	J
Silver, Total	180	0.24	U	0.59	U	2.8	U	1.3	J	0.83	J	0.22	U
Sodium, Total	NS	119	J	2,190		128	J	158	J B	155	J B	106	J B
Thallium, Total	NS	0.37	U	0.89	U	0.33	U	0.40	U	0.40	U	0.33	U
Vanadium, Total	NS	17.7		24.5		3.0		3.5		11.6		2.9	
Zinc, Total	10,000[d]	37.0	B	62.3	B	48.9	B	43.9	B	54.4	B	28	B
Mercury, Total	0.81[j]	0.021	J	0.27		0.0081	U	0.017	J	0.040		0.0085	U

Notes:

(1) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Restriced Use of Soil Cleanup Objective Table 375-6.8b 12/06

* Site Specific Cleanup Objective

d - The SCOs for metals were capped at a maximum value of 10,000 ppm. See TSD section 9.3.

f - For constituents where the calculated SCO was lower than the rural soil background concentration, as determined by the department and department of health rural soil survey, the rural soil

j - This SCO is the lower of the values for mercury (elemental) or mercury (inorganic salts). See TSD Table 5.6-1.

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B - Compound was found in the blank and sample.

J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The "J" data may be biased high or low or the direction of the bias may be indeterminable.

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expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

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Highlighted text denotes concentrations exceeding NYSDEC Restricted-Residential Use SCO

Table 4
Soil Sample Analytical Data Summary
PCBS
EPA Method 8082

LiTungsten Site

Client Sample ID:	NYSDEC Restricted-Residential Use (Below Top 2 Feet) [1]	EP002		EP003		EP004		EP005		EP006		EP007		EP008		EP010		EP023		EP025	
Sample Depth:		4-5' (S)		5' (B)		4-5' (S)		6' (B)		6' (B)		6' (B)		5-6' (S)		5' (S)		3-4' (S)		6' (B)	
Laboratory ID:		460-83733-2		460-83733-3		460-83733-4		460-83733-5		460-83733-6		460-83733-7		460-83733-8		460-84235-2		480-75692-4		480-75692-2	
Sampling Date:		10/1/2014		10/1/2014		10/1/2014		10/1/2014		10/1/2014		10/1/2014		10/1/2014		10/9/2014		2/18/2015		2/18/2015	
Polychlorinated Biphenyls (µg/kg)																					
Aroclor 1016	10,000	190	U	180	U	120	U	94	U	240	U	210	U	120	U	78	U	46	U	53	U
Aroclor 1221	10,000	190	U	180	U	120	U	94	U	240	U	210	U	120	U	78	U	46	U	53	U
Aroclor 1232	10,000	190	U	180	U	120	U	94	U	240	U	210	U	120	U	78	U	46	U	53	U
Aroclor 1242	10,000	190	U	180	U	120	U	94	U	240	U	210	U	120	U	78	U	46	U	53	U
Aroclor 1248	10,000	190	U	180	U	120	U	94	U	240	U	210	U	120	U	78	U	46	U	53	U
Aroclor 1254	10,000	190	U	180	U	120	U	94	U	240	U	210	U	120	U	78	U	110	U	130	U
Aroclor 1260	10,000	190	U	180	U	120	U	94	U	240	U	210	U	120	U	78	U	110	U	130	U
Aroclor 1262	10,000	190	U	180	U	120	U	94	U	240	U	210	U	120	U	78	U	NA		NA	
Aroclor 1268	10,000	190	U	180	U	120	U	94	U	240	U	210	U	120	U	78	U	NA		NA	

Notes:

(1) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Restriced Use of Soil Cleanup Objective Table 375-6.8b 12/06

a - The SCOs for residential, restricted-residential and ecological resources use were capped at a maximum value of 100 ppm. See TSD section 9.3.

c - The SCOs for industrial use and protection of groundwater were capped at a maximum value of 1,000 ppm. See TSD section 9.3.

i - This SCO is for the sum of Endosulfan I, endosulfan II, and endosulfan sulfate.

NS - No Standard

B - Compound was found in the blank and sample.

J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The "J" data may be biased high or low or the direction of the bias may be indeterminable.

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Highlighted text denotes concentrations exceeding NYSDEC Restricted-Residential Use SCO

Table 4
Soil Sample Analytical Data Summary
PCBS
EPA Method 8082

LiTungsten Site

Client Sample ID: Sample Depth: Laboratory ID: Sampling Date:	NYSDEC Restricted -Residential Use (Below Top 2 Feet) [1]	EP027 5' (B) 480-75692-12 2/19/2015		EP030 4-5' (S) 480-75763-2 2/23/2015	
Polychlorinated Biphenyls (µg/kg)					
Aroclor 1016	10,000	140	U	60	U
Aroclor 1221	10,000	140	U	60	U
Aroclor 1232	10,000	140	U	60	U
Aroclor 1242	10,000	140	U	60	U
Aroclor 1248	10,000	140	U	60	U
Aroclor 1254	10,000	330	U	140	U
Aroclor 1260	10,000	330	U	140	U

Notes:

(1) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Restriced Use of Soil Cleanup Objective Table 375-6.8b 12/06

a - The SCOs for residential, restricted-residential and ecological resources use were capped at a maximum value of 100 ppm. See TSD section 9.3.

c - The SCOs for industrial use and protection of groundwater were capped at a maximum value of 1,000 ppm. See TSD section 9.3.

i - This SCO is for the sum of Endosulfan I, endosulfan II, and endosulfan sulfate.

NS - No Standard

B - Compound was found in the blank and sample.

J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The "J" data may be biased high or low or the direction of the bias may be indeterminable.

JN - The analysis indicated the presence of a compound that has been "tentatively identified" (N) and the associated numerical value represents its approximate (J) concentration.

R - Data rejected ® on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

U - The analyte was analyzed for, but due to blank contamination was flagged as non-detect (U). The result is usable as nondetect.

UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The "UJ" data may be biased low.

Highlighted text denotes concentrations exceeding NYSDEC Restricted-Residential Use SCO

APPENDIX A

TEST PIT LOG SHEET				
TEST PIT NUMBER:	TP-P-001	Instrument	Model Number	Serial Number
GEOLOGIST:	AR	PID:	MiniRae 2000	110-011167
HEALTH TECHNICIAN:	N/A	XRF:	--	
WEATHER:	Sunny 68°	SCALER:	Ludlum	

Excavation Equipment:	Hitachi 450LC Excavator	Testpit Area:	5' X 10'
Sampling Method:	NS	Test Pit Depth:	4'
Start Time:	10:40	Commpletion Time:	10:50
Start Date:	8/18/2014	Completion Date:	8/18/2014

MARRSIM Walkover Survey (10'X10')				Monitoring Action levels	RAD (2X Background)	As	Pb
Range	NM	Point	NM		14,648 cpm	24 ppm	400 ppm

Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log
0	2	2		SM	10YR4/2	D	Silty sand with gravel. Visual staining/product.	NM	NM	NM	NM	
1					10YR3/1							
2					10YR2/1							
3	2	2				W		NM	NM	NM	NM	
4												

TEST PIT LOG SHEET				
TEST PIT NUMBER:	TP-P-002	Instrument	Model Number	Serial Number
GEOLOGIST:	AR	PID:	MiniRae 2000	110-011167
HEALTH TECHNICIAN:	N/A	XRF:	--	
WEATHER:	Sunny 68°	SCALER:	Ludlum	

Excavation Equipment:	Hitachi 450LC Excavator	Testpit Area:	5' X 10'
Sampling Method:	NS	Test Pit Depth:	3'
Start Time:	10:50	Commpletion Time:	11:05
Start Date:	8/18/2014	Completion Date:	8/18/2014

MARRSIM Walkover Survey (10'X10')				Monitoring Action levels	RAD (2X Background)	As	Pb
Range	NM	Point	NM		14,648 cpm	24 ppm	400 ppm

Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log
0	3	3		SM	10YR4/2	D	Silty sand with gravel. Clay drainage piping, encountered at 2'. Slight sheen observed on GW.	NM	NM	NM	NM	
1												
2					10YR3/1	W						
3												

TEST PIT LOG SHEET				
TEST PIT NUMBER:	TP-P-003	Instrument	Model Number	Serial Number
GEOLOGIST:	AR	PID:	MiniRae 2000	110-011167
HEALTH TECHNICIAN:	N/A	XRF:	--	
WEATHER:	Sunny 68°	SCALER:	Ludlum	

Excavation Equipment:	Hitachi 450LC Excavator	Testpit Area:	5' X 10'
Sampling Method:	NS	Test Pit Depth:	3'
Start Time:	11:10	Commpletion Time:	11:20
Start Date:	8/18/2014	Completion Date:	8/18/2014

MARRSIM Walkover Survey (10'X10')				Monitoring Action levels	RAD (2X Background)	As	Pb
Range	NM	Point	NM		14,648 cpm	24 ppm	400 ppm

Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log
0	3	3		SW-SM	10YR5/4	D	Well graded medium sand with silt and gravel.	NM	NM	NM	NM	
1					10YR4/2							
2				SM	10YR3/1	W	Gravelly sand, no product/staining observed.					
3												

TEST PIT LOG SHEET				
TEST PIT NUMBER:	TP-P-004	Instrument	Model Number	Serial Number
GEOLOGIST:	AR	PID:	MiniRae 2000	110-011167
HEALTH TECHNICIAN:	N/A	XRF:	--	
WEATHER:	Sunny 68°	SCALER:	Ludlum	

Excavation Equipment:	Hitachi 450LC Excavator	Testpit Area:	5' X 10'
Sampling Method:	NS	Test Pit Depth:	3'
Start Time:	11:20	Commpletion Time:	11:30
Start Date:	8/18/2014	Completion Date:	8/18/2014

MARRSIM Walkover Survey (10'X10')				Monitoring Action levels	RAD (2X Background)	As	Pb
Range	NM	Point	NM		14,648 cpm	24 ppm	400 ppm

Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log
0	3	3		SW-SM	10YR4/4	D	Well graded medium sand with silt and gravel.	NM	NM	NM	NM	
1					10YR4/2							
2				SM		W	Gravelly sand, no product/staining observed.					
3												

TEST PIT LOG SHEET				
TEST PIT NUMBER:	TP-P-005	Instrument	Model Number	Serial Number
GEOLOGIST:	AR	PID:	MiniRae 2000	110-011167
HEALTH TECHNICIAN:	DM	XRF:	--	
WEATHER:	Sunny 85°	SCALER:	Ludlum	

Excavation Equipment:	Hitachi 450LC Excavator	Testpit Area:	6' X 18'
Sampling Method:	NS	Test Pit Depth:	6'
Start Time:	7:45	Commpletion Time:	9:15
Start Date:	8/26/2014	Completion Date:	8/26/2014

MARRSIM Walkover Survey (10'X10')				Monitoring Action levels	RAD (2X Background)	As	Pb
Range	6,000-6,500 cpm	Point	6,018 cpm		14,648 cpm	24 ppm	400 ppm

Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log
0	2	2		SW-SM	10YR4/4	D	Well graded, medium sand with silt and gravel.	0.0	NM	NM	1,500	
1									NM	NM		
2									NM	NM		
3	2	2			10YR3/3			0.0	NM	NM	7,500	
4							Concrete at 4' below grade.		NM	NM		
5	2	2		SM	10YR4/4	M	Silty sand with gravel with staining from 4' to 5'.	10.8	NM	NM	6,500	
6						W			NM	NM		

TEST PIT LOG SHEET				
TEST PIT NUMBER:	TP-P-006	Instrument	Model Number	Serial Number
GEOLOGIST:	AR	PID:	MiniRae 2000	110-011167
HEALTH TECHNICIAN:	DM	XRF:	--	
WEATHER:	Sunny 85°	SCALER:	Ludlum	

Excavation Equipment:	Hitachi 450LC Excavator	Testpit Area:	5' X 12'
Sampling Method:	NS	Test Pit Depth:	4'
Start Time:	9:20	Commpletion Time:	9:40
Start Date:	8/26/2014	Completion Date:	8/26/2014

MARRSIM Walkover Survey (10'X10')				Monitoring Action levels	RAD (2X Background)	As	Pb
Range	6,100-7,600 cpm	Point	6,185 cpm		14,648 cpm	24 ppm	400 ppm

Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log
0	2	2		SW-SM	10YR4/2	W	Well graded, medium sand with silt and gravel, staining and strong petroleum odor observed.	385.0	NM	NM	6,800	
1									NM	NM		
2									NM	NM		
3	2	2			10YR6/4	M		222.0	NM	NM	8,000	
4				SC	10YR6/1		Clayey sand, little gravel.	29.9	NM	NM	7,700	

TEST PIT LOG SHEET					
TEST PIT NUMBER:	TP-P-006-1	Instrument	Model Number		Serial Number
GEOLOGIST:	AR	PID:	MiniRae 2000		110-011167
HEALTH TECHNICIAN:	AG	XRF:	--		
WEATHER:	Partly Sunny 23°	SCALER:	Ludlum		
Excavation Equipment:	Hitachi 450LC Excavator		Testpit Area:	4' X 4'	
Sampling Method:	NS		Test Pit Depth:	4'	
Start Time:	10:15		Commpletion Time:	10:20	
Start Date:	2/6/2015		Completion Date:	2/6/2015	

MARRSIM Walkover Survey (10'X10')				Monitoring Action levels	RAD (2X Background)	As	Pb
Range	6,100-7,600 cpm	Point	6,185 cpm		14,648 cpm	24 ppm	400 ppm

Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log
0	2	2		SW-SM	10YR6/1	M	Well graded, medium sand with silt and gravel.	0.0	NM	NM	NM	
1									NM	NM	NM	
2									NM	NM	NM	
3	2	2				W			NM	NM	NM	
4									NM	NM	NM	

TEST PIT LOG SHEET					
TEST PIT NUMBER:	TP-P-006-2	Instrument	Model Number		Serial Number
GEOLOGIST:	AR	PID:	MiniRae 2000		110-011167
HEALTH TECHNICIAN:	AG	XRF:	--		
WEATHER:	Partly Sunny 23°	SCALER:	Ludlum		
Excavation Equipment:	Hitachi 450LC Excavator		Testpit Area:	4' X 4'	
Sampling Method:	NS		Test Pit Depth:	4'	
Start Time:	10:20		Commpletion Time:	10:25	
Start Date:	2/6/2015		Completion Date:	2/6/2015	

MARRSIM Walkover Survey (10'X10')				Monitoring Action levels	RAD (2X Background)	As	Pb
Range	6,100-7,600 cpm	Point	6,185 cpm		14,648 cpm	24 ppm	400 ppm

Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log
0	2	2		SW-SM	10YR6/1	M	Well graded, medium sand with silt and gravel.	0.0	NM	NM	NM	
1									NM	NM	NM	
2									NM	NM	NM	
3	2	2				W			NM	NM	NM	
4									NM	NM	NM	

TEST PIT LOG SHEET				
TEST PIT NUMBER:	TP-P-006-3	Instrument	Model Number	Serial Number
GEOLOGIST:	AR	PID:	MiniRae 2000	110-011167
HEALTH TECHNICIAN:	AG	XRF:	--	
WEATHER:	Partly Sunny 23°	SCALER:	Ludlum	

Excavation Equipment:	Hitachi 450LC Excavator	Testpit Area:	4' X 4'
Sampling Method:	NS	Test Pit Depth:	4'
Start Time:	10:30	Commpletion Time:	10:35
Start Date:	2/6/2015	Completion Date:	2/6/2015

MARRSIM Walkover Survey (10'X10')				Monitoring Action levels	RAD (2X Background)	As	Pb
Range	6,100-7,600 cpm	Point	6,185 cpm		14,648 cpm	24 ppm	400 ppm

Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log
0	2	2		SW-SM	10YR6/1	M	Well graded, medium sand with silt and gravel.	3.4	NM	NM	NM	
1									NM	NM	NM	
2									NM	NM	NM	
3	2	2				W		0.2	NM	NM	NM	
4									NM	NM	NM	

TEST PIT LOG SHEET				
TEST PIT NUMBER:	TP-P-006-4	Instrument	Model Number	Serial Number
GEOLOGIST:	AR	PID:	MiniRae 2000	110-011167
HEALTH TECHNICIAN:	AG	XRF:	--	
WEATHER:	Partly Sunny 23°	SCALER:	Ludlum	

Excavation Equipment:	Hitachi 450LC Excavator	Testpit Area:	4' X 4'
Sampling Method:	NS	Test Pit Depth:	4'
Start Time:	10:40	Commpletion Time:	10:45
Start Date:	2/6/2015	Completion Date:	2/6/2015

MARRSIM Walkover Survey (10'X10')				Monitoring Action levels	RAD (2X Background)	As	Pb
Range	6,100-7,600 cpm	Point	6,185 cpm		14,648 cpm	24 ppm	400 ppm

Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log
0	2	2		SW-SM	10YR4/2	M	Well graded, medium sand with silt and gravel, staining and strong petroleum odor observed.	96.6	NM	NM	NM	
1									NM	NM	NM	
2									NM	NM	NM	
3	2	2				W		106.0	NM	NM	NM	
4				SC	10YR6/1		Clayey sand, little gravel.	0.3	NM	NM	NM	

TEST PIT LOG SHEET				
TEST PIT NUMBER:	TP-P-007	Instrument	Model Number	Serial Number
GEOLOGIST:	AR	PID:	MiniRae 2000	110-011167
HEALTH TECHNICIAN:	DM	XRF:	--	
WEATHER:	Sunny 85°	SCALER:	Ludlum	

Excavation Equipment:	Hitachi 450LC Excavator	Testpit Area:	5' X 12'
Sampling Method:	NS	Test Pit Depth:	6'
Start Time:	9:50	Commpletion Time:	10:05
Start Date:	8/26/2014	Completion Date:	8/26/2014

MARRSIM Walkover Survey (10'X10')				Monitoring Action levels	RAD (2X Background)	As	Pb
Range	6,100-7,400 cpm	Point	7,120 cpm		14,648 cpm	24 ppm	400 ppm

Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log
0	2	2		SW-SM	10YR5/4	D	Well graded medium sand with silt and gravel, staining and petroleum odor observed.	96.6	NM	NM	5,700	
1									NM	NM		
2									NM	NM		
3	2	2		SW		M	Well graded medium sand with little gravel, staining and petroleum odor observed.	62.9	NM	NM	6,800	
4									NM	NM		
5	2	2						3.7	NM	NM	6,400	
6				OL	10YR3/4		Bog		NM	NM		

TEST PIT LOG SHEET

TEST PIT NUMBER:	TP-P-008	Instrument	Model Number	Serial Number
GEOLOGIST:	AR	PID:	MiniRae 2000	110-011167
HEALTH TECHNICIAN:	DM	XRF:	--	
WEATHER:	Sunny 85°	SCALER:	Ludlum	

Excavation Equipment:	Hitachi 450LC Excavator	Testpit Area:	5' X 12'
Sampling Method:	NS	Test Pit Depth:	6'
Start Time:	10:10	Commpletion Time:	10:20
Start Date:	8/26/2014	Completion Date:	8/26/2014

MARRSIM Walkover Survey (10'X10')				Monitoring Action levels	RAD (2X Background)	As	Pb
Range	5,300-7,100 cpm	Point	7,868 cpm		14,648 cpm	24 ppm	400 ppm

Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log
0	2	2		SW-SM	10YR6/4	D	Well graded, fine-medium sand with silt and gravel	0.0	NM	NM	5,600	
1									NM	NM		
2									NM	NM		
3	2	2							NM	NM	6,500	
4				SC		W	Clayey sand, slight staining on eastern wall	4.0	NM	NM		
5	2	2			10YR5/4	M			NM	NM	7,600	
6				OL	10YR3/3		Bog	0.0	NM	NM		

TEST PIT LOG SHEET

TEST PIT NUMBER:	TP-P-009	Instrument	Model Number	Serial Number
GEOLOGIST:	AR	PID:	MiniRae 2000	110-011167
HEALTH TECHNICIAN:	DM	XRF:	--	
WEATHER:	Sunny 85°	SCALER:	Ludlum	

Excavation Equipment:	Hitachi 450LC Excavator	Testpit Area:	5' X 12'
Sampling Method:	NS	Test Pit Depth:	6'
Start Time:	10:35	Commpletion Time:	11:30
Start Date:	8/26/2014	Completion Date:	8/26/2014

MARRSIM Walkover Survey (10'X10')				Monitoring Action levels	RAD (2X Background)	As	Pb
Range	5,630-6,100 cpm	Point	6,005 cpm		14,648 cpm	24 ppm	400 ppm

Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log
0	2	2		SM	10YR5/4	D	Concrete, silty sand with gravel	0.0	NM	NM	5,200	
1									NM	NM		
2									NM	NM		
3	2	2		SC		M	Clayey sand, staining and slight odor observed from 2-3'.	38.9	NM	NM	6,800	
4				SW-SM			Well graded medium sand with silt and gravel		NM	NM		
5	2	2						14.2	NM	NM	7,200	
6				SC			Clayey sand		NM	NM		

TEST PIT LOG SHEET

TEST PIT NUMBER:	TP-P-010	Instrument	Model Number	Serial Number
GEOLOGIST:	AR	PID:	MiniRae 2000	110-011167
HEALTH TECHNICIAN:	DM	XRF:	--	
WEATHER:	Sunny 85°	SCALER:	Ludlum	

Excavation Equipment:	Hitachi 450LC Excavator	Testpit Area:	5' X 12'
Sampling Method:	NS	Test Pit Depth:	6'
Start Time:	11:45	Commpletion Time:	12:30
Start Date:	8/26/2014	Completion Date:	8/26/2014

MARRSIM Walkover Survey (10'X10')				Monitoring Action levels	RAD (2X Background)	As	Pb
Range	5,400-6,400 cpm	Point	6,223 cpm		14,648 cpm	24 ppm	400 ppm

Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log
0	2	2		GW	10YR5/3	D	Gravel, demarcation fabric at 1' b.g.	0.0	NM	NM	6,200	
1				SW	10YR4/2		Well graded medium-coarse sand with gravel		NM	NM		
2									NM	NM		
3	2	2		SM	10YR4/1	M	Concrete, silty sand with gravel, staining and petroleum odor observed.	39.8	NM	NM	6,900	
4									NM	NM		
5	2	2		SC			Clayey sand, staining and petroleum odor observed.	185.0	NM	NM	7,400	
6				GW		W	Gravelly sand, staining and petroleum odor observed.		NM	NM		

TEST PIT LOG SHEET

TEST PIT NUMBER:	TP-P-011	Instrument	Model Number	Serial Number
GEOLOGIST:	AR	PID:	MiniRae 2000	110-011167
HEALTH TECHNICIAN:	DM	XRF:	--	
WEATHER:	Sunny 85°	SCALER:	Ludlum	

Excavation Equipment:	Hitachi 450LC Excavator	Testpit Area:	5' X 12'
Sampling Method:	NS	Test Pit Depth:	6'
Start Time:	14:30	Commpletion Time:	14:40
Start Date:	8/26/2014	Completion Date:	8/26/2014

MARRSIM Walkover Survey (10'X10')				Monitoring Action levels	RAD (2X Background)	As	Pb
Range	5,100-7,400 cpm	Point	6,222 cpm		14,648 cpm	24 ppm	400 ppm

Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log
0	2	2		SM	10YR5/3	D	Silty sand with gravel, some cobbles	0.0	NM	NM	5,700	
1									NM	NM		
2					10YR5/3				NM	NM		
3	2	2						0.0	NM	NM	7,200	
4									NM	NM		
5	2	2						170.0	NM	NM	7,700	
6				SW	10YR2/2		Well graded medium sand with some gravel, odor observed.		NM	NM		

TEST PIT LOG SHEET

TEST PIT NUMBER:	TP-P-012	Instrument	Model Number	Serial Number
GEOLOGIST:	AR	PID:	MiniRae 2000	110-011167
HEALTH TECHNICIAN:	DM	XRF:	--	
WEATHER:	Sunny 85°	SCALER:	Ludlum	

Excavation Equipment:	Hitachi 450LC Excavator	Testpit Area:	5' X 12'
Sampling Method:	NS	Test Pit Depth:	6'
Start Time:	14:45	Commpletion Time:	14:55
Start Date:	8/26/2014	Completion Date:	8/26/2014

MARRSIM Walkover Survey (10'X10')				Monitoring Action levels	RAD (2X Background)	As	Pb
Range	4,500-4,800 cpm	Point	4,363 cpm		14,648 cpm	24 ppm	400 ppm

Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log
0	2	2		SW	10YR5/4	D	Well graded medium sand with gravel	30.0	NM	NM	4,300	
1									NM	NM		
2									NM	NM		
3	2	2						66.9	NM	NM	4,600	
4									NM	NM		
5	2	2		SW-SM	10YR3/1		Well graded medium sand with silt and gravel, staining observed	122.0	NM	NM	5,200	
6						M			NM	NM		

TEST PIT LOG SHEET

TEST PIT NUMBER:	TP-P-013	Instrument	Model Number	Serial Number
GEOLOGIST:	AR	PID:	MiniRae 2000	110-011167
HEALTH TECHNICIAN:	DM	XRF:	--	
WEATHER:	Sunny 85°	SCALER:	Ludlum	

Excavation Equipment:	Hitachi 450LC Excavator	Testpit Area:	5' X 12'
Sampling Method:	NS	Test Pit Depth:	6'
Start Time:	15:20	Commpletion Time:	15:40
Start Date:	8/26/2014	Completion Date:	8/26/2014

MARRSIM Walkover Survey (10'X10')				Monitoring Action levels	RAD (2X Background)	As	Pb
Range	6,900-8,900 cpm	Point	7,507 cpm		14,648 cpm	24 ppm	400 ppm

Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log
0	2	2		SM	10YR5/4	D	Grass, silty sand with gravel, trace rock	0.0	NM	NM	7,300	
1									NM	NM		
2									NM	NM		
3	2	2						0.5	NM	NM	8,600	
4				SC	10YR4/3		Clayey sand		NM	NM		
5	2	2		CL			Clay	0.0	NM	NM	11,000	
6									NM	NM		

TEST PIT LOG SHEET

TEST PIT NUMBER:	TP-P-014 (LT-GTBH-002)	Instrument	Model Number	Serial Number
GEOLOGIST:	AR	PID:	MiniRae 2000	110-009986
HEALTH TECHNICIAN:	AG	XRF:	--	
WEATHER:	Rain 35F	SCALER:	Ludlum	187741

Excavation Equipment:	Hitachi 350LC Excavator	Testpit Area:	5' X 10
Sampling Method:	NS	Test Pit Depth:	8'
Start Time:	11:40	Commpletion Time:	12:50
Start Date:	1/12/2015	Completion Date:	1/12/2015

MARRSIM Walkover Survey (10'X10')				Monitoring Action levels	RAD (2X Background)	As	Pb
Range	6,500-7,600 cpm	Point	7,506 cpm		14,648 cpm	24 ppm	400 ppm

Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log
0	2	2		SW-SM	10YR3/1	W	Well graded medium sand with silt and gravel	0.0	NM	NM	7,311	
1				GW			Gravelly sand		NM	NM		
2				SW-SM	10YR4/2		Well graded medium sand with silt and gravel, some cobbles		NM	NM		
3	2	2				M		0.1	NM	NM	7,200	
4									NM	NM		
5	2	2						2.0	NM	NM	6,490	
6				SC	10YR5/1		Clayey sand with gravel		NM	NM		
7	2	2		SW-SM	10YR3/1		Well graded medium sand with silt and gravel, slight odor observed.	12.6	NM	NM	8,200	
8				OL	10YR4/4	W	Bog	0.3	NM	NM		

APPENDIX B

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Daily Air Monitoring Record Form

Garvie's Point Redevelopment - Glen Cove, NY

Date:	8/26/2014	Project Number:	RGI1403
		Location:	Glen Isle, Li Tungsten, Parcel A
Site Safety Officer:	AR		

Weather Conditions:	Sunny	85F	Wind: N @ 5mph

Instrument Make Model & Serial Number:	MiniRae^{2000} PID Serial: 110-902620	Instrument Make Model & Serial Number:	Thermo ElectronCorp PDR Serial: 6232

		Time	Background Reading
Pre-Start Readings:	PID	7:20	0.0
	Dust	7:20	0.022

Air Monitoring Locations

	North		South		East		West		
Time	Station 1		Station 2		Station 3		Station 4		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
7:30	0.0	0.011	0.0	0.013	0.0	0.024	0.0	0.013	Test pits
8:00	0.0	0.010	0.0	0.062	0.0	0.031	0.0	0.008	" "
8:30	0.0	0.000	0.0	0.023	0.0	0.024	0.0	0.019	" "
9:00	0.0	0.021	0.0	0.011	0.0	0.022	0.0	0.011	" "
9:30	0.0	0.043	0.0	0.082	0.0	0.039	0.0	0.060	" "
10:00	0.0	0.014	0.0	0.027	0.0	0.048	0.0	0.011	" "
10:30	0.0	0.014	0.0	0.015	0.0	0.03	0.0	0.010	" "
11:00	0.0	0.027	0.0	0.015	0.0	0.086	0.0	0.055	" "
11:30	0.0	0.027	0.0	0.020	0.0	0.049	0.0	0.032	" "
12:00	0.0	0.021	0.0	0.018	0.0	0.093	0.0	0.042	" "
12:30	0.0	0.020	0.0	0.013	0.0	0.041	0.0	0.026	" "

Dust Suppressant Necessary:	No
Dust Suppressant Used:	No dust suppressant necessary.
Notes/Comments:	No levels exceeded, no problems encountered.

Note:	PID concentrations recorded in parts per million (ppm) Particulate concentrations recorded in mg/m^3

PWGC
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Daily Air Monitoring Record Form

Garvie's Point Redevelopment - Glen Cove, NY

Date:	9/11/2014	Project	RGI1403
		Location:	Glen Cove, New York, Li Tungsten, Parcel A
Site Safety Officer:	AR		

Weather Conditions:	80F	Cloudy	Wind: S @ 6mph

Instrument Make Model & Serial Number:	MiniRae^{2000} PID Serial: 110-902620	Instrument Make Model & Serial Number:	Thermo ElectronCorp PDR Serial: 4427

Pre-Start Readings:		Time	Background Reading
	PID	7:45	0.0
	Dust	7:45	0.015

Locations

	North		South		East		West		
Time	Station 1		Station 2		Station 3		Station 4		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
8:00	0.0	0.016	0.0	0.018	0.0	0.015	0.0	0.011	Tank removal
8:30	0.0	0.022	0.0	0.015	0.0	0.021	0.0	0.016	" "
9:00	0.0	0.009	0.0	0.008	0.0	0.003	0.0	0.002	" "
9:30	0.0	0.008	0.0	0.011	0.0	0.013	0.0	0.004	" "
10:00	0.0	0.005	0.0	0.010	0.0	0.014	0.0	0.012	" "
10:30	0.0	0.011	0.0	0.014	0.0	0.009	0.0	0.023	" "
11:00	0.0	0.008	0.0	0.005	0.0	0.007	0.0	0.010	" "
11:30	0.0	0.016	0.0	0.020	0.0	0.016	0.0	0.021	" "
12:00	0.0	0.025	0.0	0.020	0.0	0.022	0.0	0.024	Prep staging area
12:30	0.0	0.030	0.0	0.020	0.0	0.035	0.0	0.017	Lunch
13:00	0.0	0.020	0.0	0.028	0.0	0.038	0.0	0.039	Prep staging area/Tank clean out
13:30	0.0	0.012	0.0	0.021	0.0	0.012	0.0	0.024	" "
14:00	0.0	0.021	0.0	0.022	0.0	0.027	0.0	0.025	Backfilling test pits
14:30	0.0	0.024	0.0	0.030	0.0	0.022	0.0	0.028	" "
15:00	0.0	0.019	0.0	0.015	0.0	0.028	0.0	0.030	" "
15:30	0.0	0.037	0.0	0.020	0.0	0.030	0.0	0.027	" "
16:00	0.0	0.035	0.0	0.034	0.0	0.028	0.0	0.020	" "

Dust Suppressant Necessary:	yes
Dust Suppressant	Water suppression implemented as an engineering control to mitigate dust levels during intrusive activities.
Notes/Comments:	No levels exceeded, no problems encountered.

Note:	PID concentrations recorded in parts per million (ppm) Particulate concentrations recorded in mg/m^3

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Daily Air Monitoring Record Form

Garvie's Point Redevelopment - Glen Cove, NY

Date:	9/12/2014	Project	RGI1403
		Location:	Glen Cove, New York, Li Tungsten, Parcel A
Site Safety Officer:	AR		

Weather Conditions:	75F	Sunny	Wind: S @ 10mph

Instrument Make Model & Serial Number:	MiniRae^{2000} PID Serial: 110-902620	Instrument Make Model & Serial Number:	Thermo ElectronCorp PDR Serial: 4427

Pre-Start Readings:		Time	Background Reading
	PID	8:00	0.0
	Dust	8:00	0.027

Locations

	North		South		East		West		
Time	Station 1		Station 2		Station 3		Station 4		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
8:30	0.0	0.025	0.0	0.056	0.0	0.014	0.0	0.023	Prep for tank excavation
9:00	0.0	0.021	0.0	0.025	0.0	0.026	0.0	0.038	Soil excavation/Tank excavation
9:30	0.0	0.036	0.0	0.018	0.0	0.047	0.0	0.029	" "
10:00	0.0	0.074	0.0	0.019	0.0	0.077	0.0	0.062	" "
10:30	0.0	0.000	0.0	0.069	0.0	0.042	0.0	0.081	" "
11:00	0.0	0.018	0.0	0.074	0.0	0.011	0.0	0.043	" "
11:30	0.0	0.014	0.0	0.046	0.0	0.008	0.0	0.032	" "
12:00	0.0	0.029	0.0	0.027	0.0	0.014	0.0	0.056	" "
12:30	0.0	0.014	0.0	0.020	0.0	0.028	0.0	0.038	Lunch
13:00	0.0	0.017	0.0	0.027	0.0	0.011	0.0	0.009	Lunch
13:30	0.0	0.005	0.0	0.016	0.0	0.002	0.0	0.008	Soil excavation
14:00	0.0	0.027	0.0	0.020	0.0	0.019	0.0	0.014	" "
14:30	0.0	0.033	0.0	0.039	0.0	0.024	0.0	0.015	" "
15:00	0.0	0.036	0.0	0.015	0.0	0.021	0.0	0.040	" "

Dust Suppressant Necessary:	yes
Dust Suppressant	Water suppression implemented as an engineering control to mitigate dust levels during intrusive activities.
Notes/Comments:	No levels exceeded, no problems encountered.

Note:	PID concentrations recorded in parts per million (ppm) Particulate concentrations recorded in mg/m^3

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Daily Air Monitoring Record Form

Garvie's Point Redevelopment - Glen Cove, NY

Date:	9/15/2014	Project	RGI1403
		Location:	Glen Cove, New York, Li Tungsten, Parcel A
Site Safety Officer:	AR		

Weather Conditions:	62F	Partly Sunny	Wind: N @ 10mph

Instrument Make Model & Serial Number:	MiniRae^{2000} PID Serial: 110-902620	Instrument Make Model & Serial Number:	Thermo ElectronCorp PDR Serial: 4427

Pre-Start Readings:		Time	Background Reading
	PID	7:30	0.0
	Dust	7:30	0.017

Locations

	North		South		East		West		
Time	Station 1		Station 2		Station 3		Station 4		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
8:00	0.0	0.017	0.0	0.009	0.0	0.013	0.0	0.008	LNAPL Excavation
8:30	0.0	0.006	0.0	0.002	0.0	0.000	0.0	0.011	" "
9:00	0.0	0.009	0.0	0.007	0.0	0.003	0.0	0.006	" "
9:30	0.0	0.000	0.0	0.010	0.0	0.002	0.0	0.000	" "
10:00	0.0	0.000	0.0	0.018	0.0	0.026	0.0	0.037	" "
10:30	0.0	0.007	0.0	0.020	0.0	0.009	0.0	0.022	" "
11:00	0.0	0.000	0.0	0.018	0.0	0.004	0.0	0.012	" "
11:30	0.0	0.018	0.0	0.019	0.0	0.000	0.0	0.016	" "
12:00	0.0	0.024	0.0	0.022	0.0	0.003	0.0	0.024	" "
12:30	0.0	0.017	0.0	0.031	0.0	0.001	0.0	0.014	" "
13:00	0.0	0.012	0.0	0.021	0.0	0.002	0.0	0.012	Lunch
13:30	0.0	0.010	0.0	0.015	0.0	0.002	0.0	0.010	" "
14:00	0.0	0.000	0.0	0.014	0.0	0.000	0.0	0.008	" "
14:30	0.0	0.008	0.0	0.011	0.0	0.009	0.0	0.017	Prep stockpile area
15:00	0.0	0.011	0.0	0.009	0.0	0.020	0.0	0.004	" "
15:30	0.0	0.007	0.0	0.010	0.0	0.011	0.0	0.010	" "

Dust Suppressant Necessary:	yes
Dust Suppressant	Water suppression implemented as an engineering control to mitigate dust levels during intrusive activities.
Notes/Comments:	No levels exceeded, no problems encountered.

Note:	PID concentrations recorded in parts per million (ppm) Particulate concentrations recorded in mg/m^3

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Daily Air Monitoring Record Form

Garvie's Point Redevelopment - Glen Cove, NY

Date:	9/16/2014	Project	RGI1403
		Location:	Glen Cove, New York, Li Tungsten, Parcel A
Site Safety Officer:	AR		

Weather Conditions:	65F	Heavy Rain	Wind: N @ 13mph

Instrument Make Model & Serial Number:	MiniRae^{2000} PID Serial: 110-902620	Instrument Make Model & Serial Number:	Thermo ElectronCorp PDR Serial: 4427

Pre-Start Readings:		Time	Background Reading
	PID	7:30	0.0
	Dust	7:30	0.022

Locations

	North		South		East		West		
Time	Station 1		Station 2		Station 3		Station 4		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
8:00	0.0	0.020	0.0	0.026	0.0	0.048	0.0	0.036	Prep for LNAPL excavation. PID not working due to heavy rain in A.M.
12:30	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000	No dust.
13:00	0.0	0.000	0.0	0.001	0.0	0.000	0.0	0.000	" "
13:30	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000	" "
14:00	0.0	0.003	0.0	0.000	0.0	0.000	0.0	0.002	" "
14:30	0.0	0.010	0.0	0.000	0.0	0.000	0.0	0.012	" "
15:00	0.0	0.016	0.0	0.001	0.0	0.000	0.0	0.004	" "
15:30	0.0	0.012	0.0	0.000	0.0	0.004	0.0	0.010	" "
16:00	0.0	0.015	0.0	0.002	0.0	0.000	0.0	0.018	" "
16:30	0.0	0.010	0.0	0.000	0.0	0.000	0.0	0.016	" "

Dust Suppressant Necessary:	yes
Dust Suppressant	Water suppression implemented as an engineering control to mitigate dust levels during intrusive activities.
Notes/Comments:	No levels exceeded, no problems encountered.

Note:	PID concentrations recorded in parts per million (ppm) Particulate concentrations recorded in mg/m^3

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Daily Air Monitoring Record Form

Garvie's Point Redevelopment - Glen Cove, NY

Date:	10/6/2014	Project Number:	RGI1403
		Location:	Glen Cove, New York; Li Tungsten, Parcel A
Site Safety Officer:	KC		

Weather Conditions:	55F	Sunny	Wind: E @ 1mph

Instrument Make Model & Serial Number:	MiniRae^{2000} PID Serial: 110-011167	Instrument Make Model & Serial Number:	Thermo ElectronCorp PDR Serial: 6232

		Time	Background Reading
Pre-Start Readings:	PID	7:15	0.0
	Dust	7:15	0.015

Locations

	North		South		East		West		
Time	Station 1		Station 2		Station 3		Station 4		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
7:30	0.0	0.001	0.0	0.006	0.0	0.004	0.0	0.009	Moving soil in dredge spoil in South
8:00	0.0	0.014	0.0	0.018	0.0	0.006	0.0	0.017	AE pumping water; moving spoils, crushing concrete
8:30	0.0	0.021	0.0	0.024	0.0	0.019	0.0	0.011	" "
9:00	0.0	0.011	0.0	0.009	0.0	0.010	0.0	0.011	" "
9:30	0.0	0.023	0.0	0.022	0.0	0.018	0.0	0.022	" "
10:00	0.0	0.016	0.0	0.017	0.0	0.014	0.0	0.015	" "
10:30	0.0	0.015	0.0	0.020	0.0	0.018	0.0	0.017	Moving dredge spoils
11:00	0.0	0.011	0.0	0.009	0.0	0.007	0.0	0.016	" " and breaking concrete into smaller pieces for crusher
11:30	0.0	0.005	0.0	0.014	0.0	0.001	0.0	0.009	" "
12:00	0.0	0.021	0.0	0.027	0.0	0.036	0.0	0.016	" "
12:30	0.0	0.036	0.0	0.047	0.0	0.072	0.0	0.061	Lunch
13:00	0.0	0.042	0.0	0.049	0.0	0.037	0.0	0.066	Moving dredge spoils
13:30	0.0	0.066	0.0	0.054	0.0	0.077	0.0	0.073	" "
14:00	0.0	0.056	0.0	0.052	0.0	0.054	0.0	0.061	" "
14:30	0.0	0.010	0.0	0.007	0.0	0.011	0.0	0.006	AE pumping water; moving spoils, crushing concrete
15:00	0.0	0.022	0.0	0.028	0.0	0.021	0.0	0.022	" "
15:30	0.0	0.069	0.0	0.057	0.0	0.032	0.0	0.063	" "
16:00	0.0	0.012	0.0	0.016	0.0	0.017	0.0	0.018	" "
16:30	0.0	0.022	0.0	0.027	0.0	0.024	0.0	0.022	" "
17:00	0.0	0.073	0.0	0.061	0.0	0.077	0.0	0.074	" "
17:30	0.0	0.069	0.0	0.071	0.0	0.079	0.0	0.072	" "

Dust Suppressant Necessary:	Yes
Dust Suppressant Used:	Water implemented as an engineering control to suppress dust levels.
Notes/Comments:	No levels exceeded, no problems encountered.

Note:	PID concentrations recorded in parts per million (ppm) Particulate concentrations recorded in mg/m^3

PWGC
Strategic Environmental Engineering Solutions

Daily Air Monitoring Record Form

Garvie's Point Redevelopment - Glen Cove, NY

Date:	10/7/2014	Project Number:	RGI1403
		Location:	Glen Cove, New York; Li Tungsten, Parcel A
Site Safety Officer:	AR		

Weather Conditions:	Cloudy	64-73F	Wind: South @ 9mph

Instrument Make Model & Serial Number:	MiniRae^{2000} PID Serial: 110-902620	Instrument Make Model & Serial Number:	Thermo ElectronCorp PDR Serial: 6232

Pre-Start Readings:		Time	Background Reading
	PID	7:15	0.0
	Dust	7:15	0.017

Locations

	North		South		East		West		
Time	Station 1		Station 2		Station 3		Station 4		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
7:30	0.0	0.033	0.0	0.013	0.0	0.031	0.0	0.004	Moving dredge spoils
8:00	0.0	0.022	0.0	0.003	0.0	0.018	0.0	0.011	Moving dredge spoils/Breaking concrete
8:30	0.0	0.026	0.0	0.012	0.0	0.029	0.0	0.014	" "
9:00	0.0	0.016	0.0	0.010	0.0	0.015	0.0	0.008	" "
9:30	0.0	0.007	0.0	0.015	0.0	0.033	0.0	0.026	" "
10:00	0.0	0.018	0.0	0.002	0.0	0.030	0.0	0.010	Moving dredge spoils/Stockpiling concrete
10:30	0.0	0.011	0.0	0.010	0.0	0.011	0.0	0.045	" "
11:00	0.0	0.044	0.0	0.018	0.0	0.021	0.0	0.000	" "
11:30	0.0	0.013	0.0	0.011	0.0	0.027	0.0	0.004	Moving dredge spoils
12:00	0.0	0.021	0.0	0.007	0.0	0.018	0.0	0.001	" "
12:30	0.0	0.000	0.0	0.007	0.0	0.032	0.0	0.013	" "
13:00	0.0	0.009	0.0	0.026	0.0	0.067	0.0	0.013	Lunch
13:30	0.0	0.000	0.0	0.008	0.0	0.041	0.0	0.009	Moving dredge spoils
14:00	0.0	0.023	0.0	0.066	0.0	0.079	0.0	0.032	Moving dredge spoils/Excavating LNAPL soils to stockpile
14:30	0.0	0.031	0.0	0.048	0.0	0.061	0.0	0.049	" "
15:00	0.0	0.055	0.0	0.015	0.0	0.089	0.0	0.034	" "
15:30	0.0	0.025	0.0	0.006	0.0	0.050	0.0	0.021	" "
16:00	0.0	0.053	0.0	0.009	0.0	0.037	0.0	0.043	" "
16:30	0.0	0.030	0.0	0.026	0.0	0.033	0.0	0.034	" "

Dust Suppressant Necessary:	Yes

Dust Suppressant Notes/Comments:	Water implemented as an engineering control to suppress dust levels.
	No levels exceeded, no problems encountered.

Note:	PID concentrations recorded in parts per million (ppm) Particulate concentrations recorded in mg/m^3

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Daily Air Monitoring Record Form

Garvie's Point Redevelopment - Glen Cove, NY

Date:	10/8/2014	Project Number:	RGI1403
		Location:	Glen Cove, New York; Li Tungsten, Parcel A
Site Safety Officer:	AR		

Weather Conditions:	Partly Sunny	63-72F	Wind: North @ 5mph

Instrument Make Model & Serial Number:	MiniRae^{2000} PID Serial: 110-902620	Instrument Make Model & Serial Number:	Thermo ElectronCorp PDR Serial: 4427

		Time	Background Reading
Pre-Start Readings:	PID	7:15	0.0
	Dust	7:15	0.007

Locations

	North		South		East		West		
Time	Station 1		Station 2		Station 3		Station 4		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
7:30	0.0	0.006	0.0	0.013	0.0	0.026	0.0	0.007	Moving dredge spoils
8:00	0.0	0.009	0.0	0.021	0.0	0.030	0.0	0.010	" "
8:30	0.0	0.003	0.0	0.017	0.0	0.021	0.0	0.005	" "
9:00	0.0	0.007	0.0	0.011	0.0	0.013	0.0	0.000	Moving dredge spoils/LNAPL Excavation
9:30	0.0	0.008	0.0	0.019	0.0	0.009	0.0	0.000	" "
10:00	0.0	0.011	0.0	0.011	0.0	0.005	0.0	0.007	" "
10:30	0.0	0.004	0.0	0.022	0.0	0.029	0.0	0.010	" "
11:00	0.0	0.007	0.0	0.014	0.0	0.063	0.0	0.009	" "
11:30	0.0	0.020	0.0	0.011	0.0	0.027	0.0	0.010	" "
12:00	0.0	0.007	0.0	0.010	0.0	0.026	0.0	0.018	" "
12:30	0.0	0.007	0.0	0.025	0.0	0.014	0.0	0.000	Moving dredge spoils
13:00	0.0	0.007	0.0	0.036	0.0	0.044	0.0	0.011	" "
13:30	0.0	0.018	0.0	0.017	0.0	0.056	0.0	0.020	Moving dredge spoils/Action onsite to pump oily water
14:00	0.0	0.010	0.0	0.032	0.0	0.029	0.0	0.032	" "
14:30	0.0	0.000	0.0	0.026	0.0	0.080	0.0	0.019	" "
15:00	0.0	0.006	0.0	0.049	0.0	0.056	0.0	0.027	Moving dredge spoils/Crushing concrete at Lounge
15:30	0.0	0.009	0.0	0.035	0.0	0.054	0.0	0.005	" "
16:00	0.0	0.000	0.0	0.020	0.0	0.029	0.0	0.009	" "

Dust Suppressant Necessary:	Yes

Dust Suppressant Notes/Comments:	Water implemented as an engineering control to suppress dust levels.
	No levels exceeded, no problems encountered.

Note:	PID concentrations recorded in parts per million (ppm) Particulate concentrations recorded in mg/m^3

PWGC
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Daily Air Monitoring Record Form

Garvie's Point Redevelopment - Glen Cove, NY

Date:	10/9/2014	Project Number:	RGI1403
		Location:	Glen Cove, New York; Li Tungsten, Parcel A
Site Safety Officer:	AR		

Weather Conditions:	Sunny	62-68F	Wind: W @ 4mph

Instrument Make Model & Serial Number:	MiniRae^{2000} PID Serial: 110-902620	Instrument Make Model & Serial Number:	Thermo ElectronCorp PDR Serial: 4427

		Time	Background Reading
Pre-Start Readings:	PID	7:15	0.0
	Dust	7:15	0.009

Locations

	North		South		East		West		
Time	Station 1		Station 2		Station 3		Station 4		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
7:30	0.0	0.009	0.0	0.011	0.0	0.030	0.0	0.011	Moving dredge spoils
8:00	0.0	0.000	0.0	0.034	0.0	0.062	0.0	0.010	" "
8:30	0.0	0.006	0.0	0.019	0.0	0.058	0.0	0.013	" "
9:00	0.0	0.009	0.0	0.017	0.0	0.070	0.0	0.010	" "
9:30	0.0	0.010	0.0	0.014	0.0	0.053	0.0	0.026	" "
10:00	0.0	0.004	0.0	0.026	0.0	0.043	0.0	0.018	" "
10:30	0.0	0.019	0.0	0.032	0.0	0.089	0.0	0.014	" "
11:00	0.0	0.026	0.0	0.043	0.0	0.053	0.0	0.010	" "
11:30	0.0	0.005	0.0	0.041	0.0	0.067	0.0	0.021	" "
12:00	0.0	0.019	0.0	0.027	0.0	0.092	0.0	0.068	" "
12:30	0.0	0.036	0.0	0.029	0.0	0.068	0.0	0.068	NYSDEC onsite for LNAPL excavation endpoint samples
13:30	0.0	0.009	0.0	0.010	0.0	0.079	0.0	0.008	" "
14:00	0.0	0.009	0.0	0.022	0.0	0.109	0.0	0.016	Lunch
14:30	0.0	0.007	0.0	0.025	0.0	0.067	0.0	0.021	Moving dredge spoils
15:00	0.0	0.038	0.0	0.016	0.0	0.078	0.0	0.011	" "
15:30	0.0	0.017	0.0	0.012	0.0	0.054	0.0	0.008	" "
16:00	0.0	0.008	0.0	0.017	0.0	0.059	0.0	0.015	" "
16:30	0.0	0.010	0.0	0.020	0.0	0.046	0.0	0.011	" "

Dust Suppressant Necessary:	Yes

Dust Suppressant Notes/Comments:	Water implemented as an engineering control to suppress dust levels.
	No levels exceeded, no problems encountered.

Note:	PID concentrations recorded in parts per million (ppm) Particulate concentrations recorded in mg/m^3

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Daily Air Monitoring Record Form

Garvie's Point Redevelopment - Glen Cove, NY

Date:	10/10/2014	Project Number:	RGI1403
		Location:	Glen Cove, New York; Li Tungsten, Parcel A
Site Safety Officer:	AR		

Weather Conditions:	Sunny	50-64F	Wind: West @ 4mph

Instrument Make Model & Serial Number:	MiniRae^{2000} PID Serial: 110-902620	Instrument Make Model & Serial Number:	Thermo ElectronCorp PDR Serial: 4427

Pre-Start Readings:		Time	Background Reading
	PID	7:15	0.0
	Dust	7:15	0.020

Locations

	North		South		East		West		
Time	Station 1		Station 2		Station 3		Station 4		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
7:30	0.0	0.000	0.0	0.005	0.0	0.030	0.0	0.011	Moving dredge spoils/LNAPL Excavation
8:00	0.0	0.004	0.0	0.026	0.0	0.027	0.0	0.008	" "
8:30	0.0	0.006	0.0	0.050	0.0	0.015	0.0	0.005	" "
9:00	0.0	0.018	0.0	0.048	0.0	0.018	0.0	0.003	" "
9:30	0.0	0.004	0.0	0.010	0.0	0.036	0.0	0.008	Moving dredge spoils
10:00	0.0	0.005	0.0	0.021	0.0	0.074	0.0	0.013	" "
10:30	0.0	0.004	0.0	0.006	0.0	0.076	0.0	0.011	" "
11:00	0.0	0.004	0.0	0.008	0.0	0.091	0.0	0.016	" "
11:30	0.0	0.012	0.0	0.026	0.0	0.090	0.0	0.005	" "
12:00	0.0	0.008	0.0	0.016	0.0	0.057	0.0	0.006	Moving dredge spoils/Crushing concrete
12:30	0.0	0.010	0.0	0.031	0.0	0.124	0.0	0.000	" "
13:00	0.0	0.008	0.0	0.024	0.0	0.086	0.0	0.000	" "
13:30	0.0	0.072	0.0	0.022	0.0	0.093	0.0	0.003	" "
14:00	0.0	0.031	0.0	0.044	0.0	0.087	0.0	0.002	" "
14:30	0.0	0.006	0.0	0.017	0.0	0.065	0.0	0.009	" "
15:00	0.0	0.006	0.0	0.020	0.0	0.082	0.0	0.011	" "

Dust Suppressant Necessary:	Yes

Dust Suppressant Notes/Comments:	Water implemented as an engineering control to suppress dust levels.
	No levels exceeded, no problems encountered.

Note:	PID concentrations recorded in parts per million (ppm) Particulate concentrations recorded in mg/m^3

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Daily Air Monitoring Record Form

Garvie's Point Redevelopment - Glen Cove, NY

Date:	1/13/2015	Project Number:	RGI1403
		Location:	Glen Cove, New York; Li Tungsten, Parcel A
Site Safety Officer:	AR		

Weather Conditions:	Clouds & Rain	33-37F	Wind: N @ 4mph

Instrument Make Model & Serial Number:	MiniRae^{2000} PID Serial: 110-009986	Instrument Make Model & Serial Number:	Thermo ElectronCorp PDR Serial: 6602

Pre-Start Readings:		Time	Background Reading
	PID	7:30	0.0
	Dust	7:30	0.000

Air Monitoring Locations

	North		South		East		West		
Time	Station 1		Station 2		Station 3		Station 4		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
9:00	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000	EP013 exploratory test pit
10:00	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000	
11:00	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000	TP-P-014
12:00		0.000		0.000		0.000		0.000	*

Dust Suppressant Necessary:	No
Dust Suppressant Used:	No dust controls necessary.
Notes/Comments:	No levels exceeded, no problems encountered.
	* PID not working due to weather.

Note:	PID concentrations recorded in parts per million (ppm)
	Particulate concentrations recorded in mg/m^3

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Daily Air Monitoring Record Form

Garvie's Point Redevelopment - Glen Cove, NY

Date:	2/6/2015	Project Number:	RGI1403
		Location:	Glen Cove, New York; Li Tungsten, Parcel A
Site Safety Officer:	AR		

Weather Conditions:	Partly Sunny	12-23F	Wind: W @ 6mph

Instrument Make Model & Serial Number:	MiniRae^{3000} PID Serial: 592-913680	Instrument Make Model & Serial Number:	Thermo ElectronCorp PDR Serial: 02316

Pre-Start Readings:		Time	Background Reading
	PID	7:30	0.0
	Dust	7:30	0.000

Air Monitoring Locations

	North		South		East		West		
Time	Station 1		Station 2		Station 3		Station 4		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
10:00	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000	TP-P-006 Investigation
10:30	0.4	0.000	0.0	0.000	0.4	0.000	0.4	0.000	
11:00	0.8	0.000	0.8	0.000	0.8	0.000	0.8	0.000	
11:30	1.0	0.000	1.0	0.000	0.0	0.000	0.8	0.000	
12:00	1.0	0.000	0.8	0.000	0.6	0.001	0.8	0.000	
12:30	1.0	0.000	0.2	0.000	0.8	0.000	0.2	0.000	
13:00	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000	
13:30	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000	Moving RCA to backfill TP-P-006
14:00	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000	
14:30	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000	Covering stockpile
15:00	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000	Relocating spoils
15:30	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000	

Dust Suppressant Necessary:	No
Dust Suppressant Used:	No dust controls necessary.
Notes/Comments:	No levels exceeded, no problems encountered.

Note:	PID concentrations recorded in parts per million (ppm) Particulate concentrations recorded in mg/m^3

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Daily Air Monitoring Record Form

Garvie's Point Redevelopment - Glen Cove, NY

Date:	2/18/2015	Project Number:	RGI1403
		Location:	Glen Cove, New York; Li Tungsten, Parcel A
Site Safety Officer:	DJ		

Weather Conditions:	Sunny	14F	Wind: NW @ 6mph

Instrument Make Model & Serial Number:	MiniRae^{3000} PID Serial: 592-913680	Instrument Make Model & Serial Number:	Thermo ElectronCorp PDR Serial: 02316

		Time	Background Reading
Pre-Start Readings:	PID	7:30	0.0
	Dust	7:30	0.002

Air Monitoring Locations

	North		South		East		West		
Time	Station 1		Station 2		Station 3		Station 4		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
7:30	0.0	0.000	0.0	0.002	0.0	0.000	0.0	0.000	Pre start
11:00	0.0	0.008	0.0	0.004	0.0	0.000	0.0	0.010	Begin investigation of southwest UST excavation
11:30	0.0	0.007	0.0	0.012	0.0	0.000	0.5	0.012	
12:00	0.0	0.004	0.0	0.014	0.0	0.000	0.8	0.011	
12:30	0.0	0.010	0.0	0.020	0.1	0.004	0.6	0.019	
13:00	0.0	0.009	0.4	0.014	0.2	0.021	0.9	0.008	
13:30	0.0	0.012	0.6	0.018	0.2	0.028	0.6	0.001	Begin investigation of test pit TP-P-010
14:00	0.0	0.001	0.4	0.001	0.4	0.002	1.2	0.004	
15:00	0.0	0.003	0.1	0.002	0.1	0.003	0.6	0.011	
15:30	0.0	0.003	0.1	0.004	0.3	0.010	0.4	0.016	
16:00	0.0	0.004	0.2	0.014	0.5	0.019	0.9	0.007	
16:30	0.1	0.003	0.4	0.008	0.6	0.000	1.3	0.011	
17:00	0.1	0.002	0.4	0.006	0.6	0.004	1.5	0.009	
17:30	0.1	0.000	0.3	0.011	0.7	0.001	1.0	0.010	
18:00	0.1	0.002	0.3	0.012	0.7	0.002	0.4	0.009	

Dust Suppressant Necessary:	No
Dust Suppressant Used:	No dust controls necessary.
Notes/Comments:	No levels exceeded, no problems encountered.

Note:	PID concentrations recorded in parts per million (ppm) Particulate concentrations recorded in mg/m^3

Daily Air Monitoring Record Form

Garvie's Point Redevelopment - Glen Cove, NY

Date:	2/19/2015	Project Number:	RGI1403
		Location:	Glen Cove, New York; Li Tungsten, Parcel A
Site Safety Officer:	AR		

Weather Conditions:	Partly Sunny	13-20F	Wind: WNW @ 14mph

Instrument Make Model & Serial Number:	MiniRae^{3000} PID Serial: 592-913680	Instrument Make Model & Serial Number:	Thermo ElectronCorp PDR Serial: 02316

		Time	Background Reading
Pre-Start Readings:	PID	8:00	0.0
	Dust	8:00	0.000

Air Monitoring Locations

	North		South		East		West		
Time	Station 1		Station 2		Station 3		Station 4		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
8:30	0.0	0.010	0.0	0.003	0.0	0.010	0.0	0.005	Investigation of test pit TP-P-010
9:00	0.0	0.010	0.0	0.005	0.0	0.011	0.0	0.011	
9:30	0.0	0.011	0.0	0.013	0.0	0.011	0.0	0.052	
10:00	0.0	0.010	0.0	0.003	0.0	0.013	0.0	0.015	
10:30	0.0	0.012	0.0	0.010	0.0	0.011	0.0	0.046	
11:00	0.0	0.010	0.0	0.011	0.0	0.010	0.0	0.032	
11:30	0.0	0.009	0.0	0.011	0.0	0.005	0.0	0.030	
12:00	0.0	0.013	0.0	0.011	0.0	0.010	0.0	0.086	
12:30	0.0	0.010	0.0	0.009	0.0	0.010	0.0	0.011	
13:00	0.0	0.010	0.0	0.003	0.0	0.014	0.0	0.026	
14:00	0.0	0.011	0.0	0.011	0.0	0.008	0.0	0.010	
14:30	0.0	0.005	0.0	0.015	0.0	0.010	0.0	0.006	
15:00	0.0	0.010	0.0	0.003	0.0	0.010	0.0	0.010	
15:30	0.0	0.016	0.0	0.010	0.0	0.010	0.0	0.020	
16:00	0.0	0.011	0.0	0.009	0.0	0.010	0.0	0.013	

Dust Suppressant Necessary:	No
Dust Suppressant Used:	No dust controls necessary.
Notes/Comments:	No levels exceeded, no problems encountered.

Note:	PID concentrations recorded in parts per million (ppm) Particulate concentrations recorded in mg/m^3

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Daily Air Monitoring Record Form

Garvie's Point Redevelopment - Glen Cove, NY

Date:	11/12/2014	Project Number:	RGI1403
		Location:	Glen Cove, New York; Li Tungsten, Parcel A
Site Safety Officer:	AR		

Weather Conditions:	Partly Cloudy	55-62F	Wind: ESE @ 4mph

Instrument Make Model & Serial Number:	MiniRae^{2000} PID Serial: 110-902620	Instrument Make Model & Serial Number:	Thermo ElectronCorp PDR Serial: 4427

		Time	Background Reading
Pre-Start Readings:	PID	9:15	0.0
	Dust	9:15	0.028

Air Monitoring Locations

	North		South		East		West		
Time	Station 1		Station 2		Station 3		Station 4		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
9:30	0.0	0.070	0.0	0.062	0.0	0.042	0.0	0.029	* Action skims product off water
10:00	0.0	0.052	0.0	0.019	0.0	0.031	0.0	0.016	Action skimming/NYSDEC onsite for backfill activity/Moving spoils
10:30	0.0	0.026	0.0	0.000	0.0	0.039	0.0	0.024	
11:00	0.0	0.020	0.0	0.005	0.0	0.015	0.0	0.016	
11:30	0.0	0.018	0.0	0.010	0.0	0.020	0.0	0.019	
12:00	0.0	0.024	0.0	0.000	0.0	0.016	0.0	0.018	
12:30	0.0	0.063	0.0	0.015	0.0	0.006	0.0	0.035	
13:00	0.0	0.041	0.0	0.099	0.0	0.012	0.0	0.004	Backfilling
13:30	0.0	0.020	0.0	0.036	0.0	0.005	0.0	0.000	
14:00	0.0	0.016	0.0	0.079	0.0	0.059	0.0	0.029	Action skimming/Moving spoils
14:30	0.0	0.091	0.0	0.079	0.0	0.000	0.0	0.068	Lunch/Action skimming/SEC walkover
15:00	0.0	0.040	0.0	0.110	0.0	0.053	0.0	0.063	Action skimming/Moving spoils
15:30	0.0	0.046	0.0	0.125	0.0	0.051	0.0	0.082	
16:00	0.0	0.032	0.0	0.051	0.0	0.049	0.0	0.036	
16:30	0.0	0.030	0.0	0.018	0.0	0.003	0.0	0.019	Moving spoils
17:00	0.0	0.017	0.0	0.023	0.0	0.016	0.0	0.010	

Dust Suppressant Necessary:	Yes
Dust Suppressant Used:	Water implemented as an engineering control to mitigate dust levels.
Notes/Comments:	No levels exceeded, no problems encountered.
	*Heavy fog until 9:15 when background readings were recorded.

Note:	PID concentrations recorded in parts per million (ppm)
	Particulate concentrations recorded in mg/m^3

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Daily Air Monitoring Record Form

Garvie's Point Redevelopment - Glen Cove, NY

Date:	11/17/2014	Project Number:	RGI1403
		Location:	Glen Cove, New York; Li Tungsten, Parcel A
Site Safety Officer:	KC		

Weather Conditions:	Rain	50F	Wind: NNE @ 8mph

Instrument Make Model & Serial Number:	MiniRae^{2000} PID Serial: 110-902620	Instrument Make Model & Serial Number:	Thermo ElectronCorp PDR Serial: 4427

		Time	Background Reading
Pre-Start Readings:	PID	7:15	0.0
	Dust	7:15	0.000

Air Monitoring Locations

	North		South		East		West		
Time	Station 1		Station 2		Station 3		Station 4		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
7:30	0.0	0.000	0.0	0.000	0.0	0.001	0.0	0.000	Loading trucks with LNAPL soils
8:00	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.002	Breaking concrete/Loading trucks with LNAPL soils
8:30	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000	Breaking concrete
9:00	0.0	0.002	0.0	0.000	0.0	0.004	0.0	0.000	Breaking concrete/Loading trucks with LNAPL soils
9:30	0.0	0.001	0.0	0.000	0.0	0.000	0.0	0.005	
10:00	0.0	0.000	0.0	0.000	0.0	0.001	0.0	0.004	Breaking Concrete
10:30	0.0	0.002	0.0	0.000	0.0	0.000	0.0	0.000	
11:00	0.0	0.004	0.0	0.001	0.0	0.002	0.0	0.000	
11:30	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000	Breaking/Stockpiling concrete
12:00	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000	Stockpiling broken concrete
12:30	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000	
13:00	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000	Lunch
13:30	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000	Crushing concrete
15:30	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000	Crushing concrete (Heavy rain 14:00-15:30)
16:00	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000	

Dust Suppressant Necessary:	No
Dust Suppressant Used:	No dust controls necessary.
Notes/Comments:	No levels exceeded, no problems encountered.

Note:	PID concentrations recorded in parts per million (ppm) Particulate concentrations recorded in mg/m^3

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Daily Air Monitoring Record Form

Garvie's Point Redevelopment - Glen Cove, NY

Date:	11/18/2014	Project Number:	RGI1403
		Location:	Glen Cove, New York; Li Tungsten, Parcel A
Site Safety Officer:	AR		

Weather Conditions:	Sunny	30-33F	Wind: WNW @ 21mph

Instrument Make Model & Serial Number:	MiniRae^{2000} PID Serial: 110-902620	Instrument Make Model & Serial Number:	Thermo ElectronCorp PDR Serial: 4427

Pre-Start Readings:		Time	Background Reading
	PID	6:55	0.0
	Dust	6:55	0.001

Air Monitoring Locations

	North		South		East		West		
Time	Station 1		Station 2		Station 3		Station 4		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
7:00	0.0	0.001	0.0	0.002	0.0	0.006	0.0	0.003	Prep for trucking
7:30	0.0	0.011	0.0	0.016	0.0	0.021	0.0	0.007	Loading trucks with LNAPL soil
8:00	0.0	0.028	0.0	0.032	0.0	0.019	0.0	0.000	
8:30	0.0	0.020	0.0	0.000	0.0	0.008	0.0	0.003	
9:00	0.0	0.009	0.0	0.000	0.0	0.003	0.0	0.007	
9:30	0.0	0.003	0.0	0.000	0.0	0.006	0.0	0.000	
10:00	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000	
10:30	0.0	0.000	0.0	0.000	0.0	0.015	0.0	0.000	
11:00	0.0	0.003	0.0	0.001	0.0	0.000	0.0	0.000	Breaking concrete/SWPPP Site Inspection
11:30	0.0	0.000	0.0	0.000	0.0	0.003	0.0	0.007	
12:00	0.0	0.005	0.0	0.011	0.0	0.006	0.0	0.000	
12:30	0.0	0.000	0.0	0.000	0.0	0.012	0.0	0.010	
13:00	0.0	0.004	0.0	0.000	0.0	0.000	0.0	0.000	Breaking concrete
13:30	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000	Lunch
14:00	0.0	0.006	0.0	0.013	0.0	0.002	0.0	0.008	Maintenance on crusher
14:30	0.0	0.001	0.0	0.004	0.0	0.000	0.0	0.006	
15:00	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.011	Moving concrete
15:30	0.0	0.000	0.0	0.002	0.0	0.001	0.0	0.000	

Dust Suppressant Necessary:	No
Dust Suppressant Used:	No dust suppression necessary
Notes/Comments:	No levels exceeded, no problems encountered.

Note:	PID concentrations recorded in parts per million (ppm) Particulate concentrations recorded in mg/m^3

PWGC
Strategic Environmental Engineering Solutions

Daily Air Monitoring Record Form

Garvie's Point Redevelopment - Glen Cove, NY

Date:	11/24/2014	Project Number:	RGI1403
		Location:	Glen Cove, New York; Li Tungsten, Parcel A
Site Safety Officer:	AR		

Weather Conditions:	Rain & Clouds	60-66F	Wind: S @ 20mph

Instrument Make Model & Serial Number:	MiniRae^{2000} PID Serial: 110-902620	Instrument Make Model & Serial Number:	Thermo ElectronCorp PDR Serial: 4427

		Time	Background Reading
Pre-Start Readings:	PID	7:00	0.0
	Dust	7:00	0.000

Air Monitoring Locations

	North		South		East		West		
Time	Station 1		Station 2		Station 3		Station 4		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
8:00	0.0	0.000	0.0	0.002	0.0	0.000	0.0	0.006	Loading trucks (Rain until 7:50)
8:30	0.0	0.001	0.0	0.000	0.0	0.000	0.0	0.003	Loading trucks/rolloff
9:00	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000	
9:30	0.0	0.003	0.0	0.010	0.0	0.010	0.0	0.000	
10:00	0.0	0.036	0.0	0.019	0.0	0.008	0.0	0.010	Moving stockpile berm/SWPPP Inspection
10:30	0.0	0.030	0.0	0.031	0.0	0.016	0.0	0.012	" "/Moving RAD drums
11:00	0.0	0.076	0.0	0.094	0.0	0.045	0.0	0.037	*Moving stockpile berm/clearing west of gate
11:30	0.0	0.079	0.0	0.126	0.0	0.062	0.0	0.028	
12:00	0.0	0.007	0.0	0.058	0.0	0.022	0.0	0.028	Moving stockpile berm/RAD drums/Wash roadway
12:30	0.0	0.012	0.0	0.031	0.0	0.020	0.0	0.017	
13:00	0.0	0.012	0.0	0.049	0.0	0.014	0.0	0.006	Lunch
13:30	0.0	0.010	0.0	0.052	0.0	0.011	0.0	0.005	Breaking concrete
14:00	0.0	0.012	0.0	0.033	0.0	0.005	0.0	0.009	Breaking/stockpiling concrete
14:30	0.0	0.005	0.0	0.020	0.0	0.000	0.0	0.006	
15:00	0.0	0.013	0.0	0.048	0.0	0.003	0.0	0.010	
15:30	0.0	0.011	0.0	0.034	0.0	0.000	0.0	0.007	
16:00	0.0	0.008	0.0	0.056	0.0	0.001	0.0	0.005	

Dust Suppressant Necessary:	No
Dust Suppressant Used:	No dust controls necessary.
Notes/Comments:	No levels exceeded, no problems encountered.
	* Wind blowing smoke from asphalt plant onto site.

Note:	PID concentrations recorded in parts per million (ppm)
	Particulate concentrations recorded in mg/m^3

PWGC
Strategic Environmental Engineering Solutions

Daily Air Monitoring Record Form

Garvie's Point Redevelopment - Glen Cove, NY

Date:	11/25/2014	Project Number:	RGI1403
		Location:	Glen Cove, New York; Li Tungsten, Parcel A
Site Safety Officer:	AR		

Weather Conditions:	Partly Sunny	50-55F	Wind: W @ 7mph

Instrument Make Model & Serial Number:	MiniRae^{2000} PID Serial: 110-902620	Instrument Make Model & Serial Number:	Thermo ElectronCorp PDR Serial: 4427

		Time	Background Reading
Pre-Start Readings:	PID	7:00	0.0
	Dust	7:00	0.013

Air Monitoring Locations

	North		South		East		West		
Time	Station 1		Station 2		Station 3		Station 4		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
7:30	0.0	0.018	0.0	0.020	0.0	0.012	0.0	0.014	Loading trucks/Clearing areas for MARSSIM
8:00	0.0	0.010	0.0	0.000	0.0	0.000	0.0	0.007	Stockpiling concrete/Clearing areas for MARSSIM
8:30	0.0	0.012	0.0	0.001	0.0	0.003	0.0	0.016	
9:00	0.0	0.017	0.0	0.004	0.0	0.022	0.0	0.007	Loading trucks/Clearing areas for MARSSIM
9:30	0.0	0.011	0.0	0.000	0.0	0.014	0.0	0.020	
10:00	0.0	0.006	0.0	0.001	0.0	0.000	0.0	0.005	Clearing areas for MARSSIM/Repairing silt fencing
10:30	0.0	0.010	0.0	0.000	0.0	0.002	0.0	0.012	Repairing silt fencing
11:00	0.0	0.026	0.0	0.005	0.0	0.024	0.0	0.018	
11:30	0.0	0.004	0.0	0.000	0.0	0.000	0.0	0.010	Repairing silt fencing/Housekeeping
12:00	0.0	0.001	0.0	0.011	0.0	0.000	0.0	0.007	Repairing silt fencing/Housekeeping/SEC walkover
12:30	0.0	0.001	0.0	0.006	0.0	0.006	0.0	0.002	Repairing silt fencing/RAD Hotspot removal
13:00	0.0	0.000	0.0	0.000	0.0	0.001	0.0	0.000	Lunch
13:30	0.0	0.003	0.0	0.000	0.0	0.000	0.0	0.005	Repairing silt fencing/Housekeeping
14:00	0.0	0.001	0.0	0.001	0.0	0.002	0.0	0.003	Repairing silt fencing/RAD hotspot removal
14:30	0.0	0.006	0.0	0.000	0.0	0.011	0.0	0.002	
15:00	0.0	0.004	0.0	0.002	0.0	0.008	0.0	0.005	Repairing silt fencing
15:30	0.0	0.000	0.0	0.001	0.0	0.000	0.0	0.003	

Dust Suppressant Necessary:	No
Dust Suppressant Used:	No dust suppression necessary
Notes/Comments:	No levels exceeded, no problems encountered.

Note:	PID concentrations recorded in parts per million (ppm)
	Particulate concentrations recorded in mg/m^3

PWGC
Strategic Environmental Engineering Solutions

Daily Air Monitoring Record Form

Garvie's Point Redevelopment - Glen Cove, NY

Date:	12/2/2014	Project Number:	RGI1403
		Location:	Glen Cove, New York; Li Tungsten, Parcel A
Site Safety Officer:	AR		

Weather Conditions:	Cloudy	32-40F	Wind: N @ 12mph

Instrument Make Model & Serial Number:	MiniRae^{2000} PID Serial: 110-902620	Instrument Make Model & Serial Number:	Thermo ElectronCorp PDR Serial: 4427

Pre-Start Readings:		Time	Background Reading
	PID	7:00	0.0
	Dust	7:00	0.000

Air Monitoring Locations

	North		South		East		West		
Time	Station 1		Station 2		Station 3		Station 4		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
7:30	0.0	0.000	0.0	0.002	0.0	0.000	0.0	0.003	Loading trucks
8:00	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000	Loading trucks/Geoprobing East Bldg
9:30	0.0	0.001	0.0	0.002	0.0	0.000	0.0	0.000	Geoprobing East Bldg
10:00	0.0	0.000	0.0	0.001	0.0	0.001	0.0	0.001	
10:30	0.0	0.006	0.0	0.003	0.0	0.000	0.0	0.004	Loading trucks/Geoprobing East Bldg
11:00	0.0	0.005	0.0	0.004	0.0	0.008	0.0	0.000	Geoprobing East Bldg
11:30	0.0	0.003	0.0	0.000	0.0	0.006	0.0	0.002	
12:00	0.0	0.005	0.0	0.008	0.0	0.002	0.0	0.000	
12:30	0.0	0.009	0.0	0.010	0.0	0.005	0.0	0.000	
13:00	0.0	0.010	0.0	0.009	0.0	0.000	0.0	0.000	* Installing temporary ramp/SWPPP Site Inspection
14:00	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000	
15:00	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000	
15:30	0.0	0.002	0.0	0.000	0.0	0.000	0.0	0.001	Installing temporary ramp

Dust Suppressant Necessary:	No
Dust Suppressant Used:	No dust suppression necessary
Notes/Comments:	No levels exceeded, no problems encountered.
	* Due to heavy rainfall, readings recorded hourly.

Note:	PID concentrations recorded in parts per million (ppm)
	Particulate concentrations recorded in mg/m^3

PWGC
Strategic Environmental Engineering Solutions

Daily Air Monitoring Record Form

Garvie's Point Redevelopment - Glen Cove, NY

Date:	10/1/2014	Project	RGI1403
		Location:	Glen Cove, New York, Li Tungsten, Parcel A
Site Safety Officer:	AR		

Weather Conditions:	67F	Rain	Wind: N @ 5mph

Instrument Make Model & Serial Number:	MiniRae^{2000} PID Serial: 110-011167	Instrument Make Model & Serial Number:	Thermo ElectronCorp PDR Serial: 6232

Pre-Start Readings:		Time	Background Reading
	PID	7:15	0.0
	Dust	7:15	0.000

Locations

	North		South		East		West		
Time	Station 1		Station 2		Station 3		Station 4		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
7:30	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.008	Moving dredge spoils
8:00	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000	Moving dredge spoils/LNAPL excavation
10:00	0.0	0.001	0.0	0.000	0.0	0.000	0.0	0.000	Moving dredge spoils (Rain from 8:30-9:45)
10:30	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000	" "
11:00	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.005	" "
15:00	0.0	0.000	0.0	0.000	0.0	0.001	0.0	0.001	Moving dredge spoils (Rain from 11:15-14:45)
15:30	0.0	0.000	0.0	0.001	0.0	0.000	0.0	0.001	" "

Dust Suppressant Necessary:	No
Dust Suppressant Used:	No added water suppression implemented due to rain.
Notes/Comments:	No levels exceeded, no problems encountered.

Note:	PID concentrations recorded in parts per million (ppm) Particulate concentrations recorded in mg/m^3

PWGC
Strategic Environmental Engineering Solutions

Daily Air Monitoring Record Form

Garvie's Point Redevelopment - Glen Cove, NY

Date:	10/2/2014	Project	RGI1403
		Location:	Glen Cove, New York, Li Tungsten, Parcel A
Site Safety Officer:	AR		

Weather Conditions:	Cloudy	60-66F	Wind: N @ 7mph

Instrument Make Model & Serial Number:	MiniRae^{2000} PID Serial: 110-011167	Instrument Make Model & Serial Number:	Thermo ElectronCorp PDR Serial: 6232

Pre-Start Readings:		Time	Background Reading
	PID	7:15	0.0
	Dust	7:15	0.003

Locations

	North		South		East		West		
Time	Station 1		Station 2		Station 3		Station 4		Tasks
	PID	Dust	PID	Dust	PID	Dust	PID	Dust	
7:30	0.0	0.013	0.0	0.001	0.0	0.003	0.0	0.008	Moving dredge spoils
8:00	0.0	0.018	0.0	0.001	0.0	0.028	0.0	0.007	" "
8:30	0.0	0.001	0.0	0.003	0.0	0.000	0.0	0.011	" "
9:00	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000	" "
9:30	0.0	0.000	0.0	0.000	0.0	0.008	0.0	0.000	" "
10:00	0.0	0.000	0.0	0.002	0.0	0.010	0.0	0.001	" "
10:30	0.0	0.000	0.0	0.005	0.0	0.014	0.0	0.000	Action Environmental onsite to pump excavation
11:00	0.0	0.000	0.0	0.013	0.0	0.017	0.0	0.005	" "
11:30	0.0	0.000	0.0	0.009	0.0	0.011	0.0	0.000	" "
12:00	0.0	0.000	0.0	0.000	0.0	0.004	0.0	0.000	" "
12:30	0.0	0.000	0.0	0.007	0.0	0.016	0.0	0.002	Moving dredge spoils/TP-P-006 investigation
13:00	0.0	0.001	0.0	0.015	0.0	0.022	0.0	0.010	" "
13:30	0.0	0.000	0.0	0.013	0.0	0.025	0.0	0.000	" "
14:00	0.0	0.000	0.0	0.000	0.0	0.021	0.0	0.009	Moving dredge spoils
14:30	0.0	0.000	0.0	0.000	0.0	0.013	0.0	0.010	" "
15:00	0.0	0.001	0.0	0.000	0.0	0.017	0.0	0.008	" "
15:30	0.0	0.000	0.0	0.011	0.0	0.020	0.0	0.005	" "
16:00	0.0	0.000	0.0	0.006	0.0	0.012	0.0	0.008	" "

Dust Suppressant Necessary:	yes
Dust Suppressant Used:	Water suppression implemented as an engineering control to mitigate dust levels during intrusive activities.
Notes/Comments:	No levels exceeded, no problems encountered.

Note:	PID concentrations recorded in parts per million (ppm) Particulate concentrations recorded in mg/m^3

APPENDIX C

Nassau County Department of Health
Tank Abandonment/Removal*
Notification Form

PAID
Check# 21075 9/10/14 $90

Check #21077 $220 9/10/14

Date of Job** 9 /12 /2014

****All notifications must be received by NCDH 7 days prior to the date of the job accompanied by a fee of $220.00 per tank over 1,100 gallons and $70.00 per tank 1,100 gallons or less abandoned in place or $90.00 per tank 1, 100 gallons or less removed.**

Contractor Action Remediation, Inc.

Phone # (516) 781-3000

Confirmation # 255 H14R17

Facility ID#

Facility Name: RXR Realty

Address 63 Herbhill Road

Village Glen Cove Telephone (516) 794-7800

Existing Tank Information:

Tank Size: (1) 550 gal UST Tank Contents: #2 Heating Oil

_____Abandonment (1) 1500 UST #2 F/O x Removal

Monitoring: _____Well _____Borings _____Tested on____/____/____

DEC Spill# (if applicable)_____

Other_____
(explain)

New Installation:

Tank Size_____Plans Approved?_____

Location:

_____Above ground on pad/containment

_____Below ground

_____Indoors

_____Conversion to gas

_x_ Demolition

ATTACH CHECK HERE

*All removals/abandonments, installations etc. must be done in accordance with Article XI of the Nassau County Public Health Ordinance. **This form is to be used for the abandonment of a fuel oil tank of more than 1,100 gallon capacity, the abandonment of any size non-fuel oil tank or the removal of any tank including fuel oil tanks of 1,100 gallon capacity or less.**

PLEASE RETURN VIA U.S. MAIL to Nassau County Department of Health, Bureau of Environmental Protection, Article XI, 200 County Seat Drive, Mineola, N.Y. 11501.
Telephone number: 516-227-9691.

TANK REMOVAL.DOC-REVISED 3/2014
http://www.nassaucountyny.gov/agencies/health/envhealth/oil%20tanks/documents/TANKREMOVAL2012.pdf

Confirmation #
254H14R10

Nassau County Department of Health
Tank Abandonment/Removal*
Notification Form

Date of Job** 9/11/14

****All notifications must be received by NCDH 7 days prior to the date of the job accompanied by a fee of $175.00 per tank over 1,100 gallons and $55.00 per tank 1,100 gallons or less abandoned in place or $70.00 per tank 1, 100 gallons or less removed.**

Contractor Action Remediaiton, Inc.

Phone # 516-781-3000

PAID 890 Check #21075 9/10/14

Facility ID#

Facility Name: RXR Realty

Address 63 Herbhill Road

Village Glen Cove Telephone 516-794-7800

11548

Existing Tank Information:

Tank Size (1) 1,000 gallon UST Tank Contents: #2

____ Abandonment X Removal

Monitoring: ____ Well ____ Borings ____ Tested on ___/___/___

DEC Spill# (if applicable) ?

Dec to attend

Other _____ (explain)

New Installation:

Tank Size _____ Plans Approved? _____

Location:

____ Above ground on pad/containment

Demolition -

____ Below ground

____ Indoors

____ Conversion to gas

ATTACH CHECK HERE

*All removals/abandonments, installations etc. must be done in accordance with Article XI of the Nassau County Public Health Ordinance. **This form is to be used for the abandonment of a fuel oil tank of more than 1,100 gallon capacity, the abandonment of any size non-fuel oil tank or the removal of any tank including fuel oil tanks of 1,100 gallon capacity or less.**

PLEASE RETURN VIA U.S. MAIL to Nassau County Department of Health, Bureau of Environmental Protection, 106 Charles Lindbergh Boulevard, Article XI, Uniondale, N.Y. 11553.

APPENDIX D

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NYCESQG
2. Page 1 of
3. Emergency Response Phone: 516-781-3000
4. Waste Tracking Number: 2014-444 ACT TO

5. Generator's Name and Mailing Address
COMMERCIAL PROPERTY
HERB HILL RD
GLEN COVE NY 11542

Generator's Site Address (if different than mailing address): SAME

Generator's Phone:

6. Transporter 1 Company Name: Action Trucking, Inc.
U.S. EPA ID Number: NYD064748304

7. Transporter 2 Company Name: VEOLIA ES TECHNICAL SOLUTIONS,
U.S. EPA ID Number: NJD080631369

8. Designated Facility Name and Site Address
VEOLIA ES TECHNICAL SOLUTIONS, LLC
1 EDEN LANE
FLANDERS NJ 07836
Facility's Phone: (973) 347-7111
U.S. EPA ID Number: NJD980536593

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NON DOT/NON RCRA REGULATED SOLIDS (TANK BOTTOM SLUDGE) POLY/PPE	1	DM	200	P	ID27 L
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
a. ACTION REMEDIATION PROJECT.
b. WP 609435 / ERC LF
c.
d.

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Amanda J Racaniello
Signature: AJRacaniello
Month 9 Day 11 Year 14

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S.
Port of entry/exit:
Transporter Signature (for exports only):
Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: MATT HUFNAGEL
Signature: Matt Hufnagel
Month 9 Day 11 Year 14

Transporter 2 Printed/Typed Name: Robert Herr
Signature:
Month 9 Day 16 Year 14

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name
Signature
Month Day Year

GC Labels • Printed in the USA
1-800-997-6966

DESIGNATED FACILITY TO GENERATOR

Reorder Part# MANIFEST-C6NHWC
913-897-6966

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NYCE806
2. Page 1 of 1
3. Emergency Response Phone: 516-781-3000
4. Waste Tracking Number: 2014-448 ACT

5. Generator's Name and Mailing Address
COMMERCIAL PROPERTY
HERB HILL RD
GLEN COVE NY 11542
Generator's Phone:

Generator's Site Address (if different than mailing address)
SAME

6. Transporter 1 Company Name
Action Trucking, Inc.
U.S. EPA ID Number: NYD064748304

7. Transporter 2 Company Name
-
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
ACTION TRUCKING CO INC
3010 BURNS AVENUE
WANTAGH NY 11793
Facility's Phone: (516) 781-3000
U.S. EPA ID Number: 1-2820-01378

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1. ~~NA1993 COMBUSTIBLE LIQUIDS NOS COMB LIQ PG III (#2 FUEL OIL)~~		TT		G	REC
2. NON DOT/NON RCRA REGULATED LIQUIDS OIL/WATER	1	TT	1774	G	REC
3.					
4.					

13. Special Handling Instructions and Additional Information
a. TANK PULL/CLEAN OUTPROFILE # 2014-AR-099
b. TANK PULL/CLEAN OUTPROFILE #
c.
d.

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Amanda J Racaniello (PWGC) Signature: Amanda J Racaniello Month 9 Day 12 Year 14

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: TIM SHERIDAN Signature: [signature] Month 9 Day 12 Year 14
Transporter 2 Printed/Typed Name: Signature: Month Day Year

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: Fred Miranda Signature: Fred Miranda Month 09 Day 12 Year 14

GC Labels • Printed in the USA
1-800-997-6966

DESIGNATED FACILITY TO GENERATOR

Reorder Part# MANIFEST-C6NHWC
913-897-6966

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NYCESQG
2. Page 1 of 1
3. Emergency Response Phone: 516-781-3000
4. Waste Tracking Number: 2014-443 A CT

5. Generator's Name and Mailing Address
COMMERCIAL PROPERTY
HERB HILL RD
GLEN COVE NY 11542
Generator's Phone:

Generator's Site Address (if different than mailing address)
SAME

6. Transporter 1 Company Name: Action Trucking, Inc.
U.S. EPA ID Number: NYD064748304

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
ACTION TRUCKING CO INC
3010 BURNS AVENUE
WANTAGH NY 11793
Facility's Phone: (516) 781-3000
U.S. EPA ID Number: 1-2820-01378

9. Waste Shipping Name and Description	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.	
1. ~~NA1993 COMBUSTIBLE LIQUIDS NOS COMB LIQ PG III (#2 FUEL OIL)~~		TT		G	REC
2. NON DOT/NON RCRA REGULATED LIQUIDS OIL/WATER	1	TT	1600	G	REC
3.					
4.					

13. Special Handling Instructions and Additional Information
a. TANK PULL/CLEAN OUTPROFILE # AR 099
b. TANK PULL/CLEAN OUTPROFILE #
c.
d.

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Amanda J Racaniello
Signature: AJ Racaniello
Month 9 Day 11 Year 14

INT'L
15. International Shipments ☐ Import to U.S. ☐ Export from U.S.
Port of entry/exit:
Transporter Signature (for exports only):
Date leaving U.S.:

TRANSPORTER
16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: TIM SHERIDAN
Signature:
Month 9 Day 11 Year 14
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY
17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: Fred Miranda
Signature: Fred Miranda
Month 9 Day 11 Year 14

GC Labels • Printed in the USA
1-800-997-6966

DESIGNATED FACILITY TO GENERATOR

Reorder Part# MANIFEST-C6NHWC
913-897-6966

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NYCESQG.

2. Page 1 of 1

3. Emergency Response Phone: 516-781-3000

4. Waste Tracking Number: 2014-451ACT

5. Generator's Name and Mailing Address
COMERCIAL PROPERTY
HERB HILL RD
GLEN COVE N.Y.
Generator's Phone:

Generator's Site Address (if different than mailing address): SAME

6. Transporter 1 Company Name: Action Trucking, Inc.
U.S. EPA ID Number: NYD064748304

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Clean Water
3249 Richmond Terrace
Staten Island NY 10303
Facility's Phone: (718) 981-4600
U.S. EPA ID Number: NY0000968545

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	~~NA1993 COMBUSTIBLE LIQUIDS NOS COMB LIQ PG III (#2 FUEL OIL)~~		TT		G	REC
2.	NON DOT/NON RCRA REGULATED LIQUIDS OIL/WATER	1	TT	2585	G	REC
3.						
4.						

13. Special Handling Instructions and Additional Information
a. ~~TANK PULL/CLEAN OUTPROFILE #~~
b. TANK PULL/CLEAN OUTPROFILE # 208-004
c.
d.

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Amanda J Racaniello
Signature: Amanda J Racaniello
Month 9 Day 15 Year 14

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: TIM SHERIDAN
Signature:
Month 9 Day 15 Year 14
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name
Signature
Month 9 Day 15 Year 14

CW JOB#
0133953

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NYCE300G
2. Page 1 of 1
3. Emergency Response Phone: 516-781-3000
4. Waste Tracking Number: 2014-495ACT

5. Generator's Name and Mailing Address
COMMERCIAL PROPERTY
HERB HILL RD
GLEN COVE NY 11542
Generator's Phone:

Generator's Site Address (if different than mailing address): SAME

6. Transporter 1 Company Name: Action Trucking, Inc.
U.S. EPA ID Number: NYD064748304

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Clean Water
3249 Richmond Terrace
Staten Island NY 10303
Facility's Phone: (718) 981-4600
U.S. EPA ID Number: NYD000968545

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. ~~NA1993 COMBUSTIBLE LIQUIDS N.O.S.~~ C ~~COMB LIQ PG III (#2 FUEL OIL)~~		TT		G	REC
	2. NON DOT/NON RCRA REGULATED LIQUIDS OIL/WATER	1	TT	3200	G	REC
	3.					
	4.					

13. Special Handling Instructions and Additional Information
a. TANK PULL/CLEAN OUTPROFILE #Profile # 208-004
b. TANK PULL/CLEAN OUTPROFILE #
c.
d.

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable International and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Amanda Raccuiglia
Signature: A Raccuiglia
Month 10 Day 2 Year 14

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: LIM SHERIDAN
Signature:
Month 10 Day 2 Year 14

Transporter 2 Printed/Typed Name
Signature
Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in item 17a

Printed/Typed Name
Signature
Month Day Year

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 9/09)

TRANSPORTER #1

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NYCESQG
2. Page 1 of 1
3. Emergency Response Phone: 516-721-3000
4. Waste Tracking Number: 2014-499ACT

5. Generator's Name and Mailing Address
COMMERCIAL PROPERTY
HERB HILL RD
GLEN COVE NY 11542
Generator's Phone:

Generator's Site Address (if different than mailing address): SAME

6. Transporter 1 Company Name: Action Trucking, Inc.
U.S. EPA ID Number: NYD064748304

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Clean Water
3249 Richmond Terrace
Staten Island NY 10303
Facility's Phone: (718) 981-4600
U.S. EPA ID Number: NY0000968545

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NA1993 COMBUSTIBLE LIQUIDS NOS COMB LIQ PG III (#2 FUEL OIL)		TT	4	G	REC
2.	NON DOT/NON RCRA REGULATED LIQUIDS OIL/WATER		TT	4000	G	REC
3.						
4.						

13. Special Handling Instructions and Additional Information
a. TANK PULL/CLEAN OUTPROFILE # Profile # 208-004
b. TANK PULL/CLEAN OUTPROFILE #
c.
d.

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kaitlyn Crosby
Signature: Kaitlyn Crosby
Month 10 Day 6 Year 2014

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: G E Corbett
Signature: G E Corbett
Month 10 Day 6 Year 2014

Transporter 2 Printed/Typed Name
Signature
Month Day Year

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: Michael Tolsa
Signature
Month 10 Day 6 Year 14

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 9/09)

TRANSPORTER #1

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NYCE500
2. Page 1 of 1
3. Emergency Response Phone
4. Waste Tracking Number

5. Generator's Name and Mailing Address: COMMERCIAL PROPERTY, HERB HILL RD, GLEN COVE NY 11542

Generator's Site Address (if different than mailing address): SAME

Generator's Phone:

6. Transporter 1 Company Name: Action Trucking, Inc.
U.S. EPA ID Number: NYD064748304

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address: Clean Water, 3249 Richmond Terrace, Staten Island NY 10303
U.S. EPA ID Number: NYD000968545

Facility's Phone: (718) 981-4800

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. NA1993 COMBUSTIBLE LIQUIDS NOS COMB LIQ PG III (#2 FUEL OIL)		TT		G	REC
	2. NON DOT/NON RCRA REGULATED LIQUIDS OIL/WATER		TT	2376	G	REC
	3.					
	4.					

13. Special Handling Instructions and Additional Information
a. TANK PULL/CLEAN OUTPROFILE # Profile # 208-004
b. TANK PULL/CLEAN OUTPROFILE #
c.
d.

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kaithyn Crosby
Signature
Month 10 Day 6 Year 2014

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Oh Cook
Signature
Month 10 Day 6 Year 2014

Transporter 2 Printed/Typed Name
Signature
Month Day Year

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name
Signature
Month 10 Day 7 Year 14

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 9/09)

TRANSPORTER #1

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	NYCESQG	1		

5. Generator's Name and Mailing Address
COMMERCIAL PROPERTY
HERB HILL RD
GLEN COVE NY 11542
Generator's Phone:

Generator's Site Address (if different than mailing address)
SAME

6. Transporter 1 Company Name
Action Trucking, Inc.
U.S. EPA ID Number NYD064748304

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Clean Water
3249 Richmond Terrace
Staten Island NY 10303
Facility's Phone: (718) 981-4600
U.S. EPA ID Number NY0000968545

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1. NA1993 COMBUSTIBLE LIQUIDS NOS COMB LIQ PG III (#2 FUEL OIL)		TT		G	REC
2. NON DOT/NON RCRA REGULATED LIQUIDS OIL/WATER		TT	1346	G	REC
3.					
4.					

13. Special Handling Instructions and Additional Information:
a. TANK PULL/CLEAN OUTPROFILE # Profile # 208-004
b. TANK PULL/CLEAN OUTPROFILE #
c.
d.

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Amanda J Ruccarello
Signature: [signature]
Month 10 Day 8 Year 2014

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Glen Cook
Signature: [signature]
Month 10 Day 8 Year 2014

Transporter 2 Printed/Typed Name
Signature
Month Day Year

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: [signature]
Signature: [signature]
Month Day Year

GENERATOR
INT'L
TRANSPORTER
DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 9/09)

TRANSPORTER #1

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NYCESOG
2. Page 1 of: 1
3. Emergency Response Phone:
4. Waste Tracking Number:

5. Generator's Name and Mailing Address
COMMERCIAL PROPERTY
HERB HILL RD
GLEN COVE NY 11542
Generator's Phone:

Generator's Site Address (if different than mailing address): SAME

6. Transporter 1 Company Name: Action Trucking, Inc.
U.S. EPA ID Number: NYD064748304

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Clean Water
3249 Richmond Terrace
Staten Island NY 10303
Facility's Phone: (718) 981-4600
U.S. EPA ID Number: NY0000968545

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1. NA1993 COMBUSTIBLE LIQUIDS NOS COMB LIQ PG III (#2 FUEL OIL)		TT		G	REC
2. NON COTANON RCRA REGULATED LIQUIDS OILWATER		TT	2650	G	REC
3.					
4.					

13. Special Handling Instructions and Additional Information
a. TANK PULL/CLEAN OUTPROFILE # Profile # 208-004
b. TANK PULL/CLEAN OUTPROFILE #
c
d

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Amanda J Racaniello
Signature: AJRacaniello
Month 10 Day 9 Year 2014

15. International Shipments ☐ Import to U.S. ☐ Export from U.S.
Port of entry/exit:
Transporter Signature (for exports only):
Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Glen Cole
Signature: Glen Cole
Month 10 Day 9 Year 2014

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name:
Signature:
Month Day Year

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 9/09)

TRANSPORTER #1

#118

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
NYC5SQG	1	516-781-3000	2014-631ACT

5. Generator's Name and Mailing Address
COMMERCIAL PROPERTY
HERB HILL RD
GLEN COVE NY 11542
Generator's Phone:

Generator's Site Address (if different than mailing address)
SAME

6. Transporter 1 Company Name
Action Trucking, Inc.
U.S. EPA ID Number
NYD064748304

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Clean Water
3249 Richmond Terrace
Staten Island NY 10303
Facility's Phone: (718) 981-4600
U.S. EPA ID Number
NY0000968545

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1. ~~NA1993 COMBUSTIBLE LIQUID NOS COMB LIQ PG III (#2 FUEL OIL)~~	—	~~TT~~	—	~~G~~	~~R~~
2. NON DOT /NON RCRA REGULATED LIQUIDS (OIL/WATER)	1	TT	4000	G	R
3.					
4.					

13. Special Handling Instructions and Additional Information
a. TANK CLEAN OUT(FUEL OIL TANK CLEAN OUT) -ACTION REMEDIATION PROJECT -
b. FUEL OIL TANK CLEAN OUT
c.
d.
profile # 208-004

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Amanda J Racaniello
Signature: [signature]
Month 11 Day 12 Year 14

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Tim SHERIDAN
Signature: [signature]
Month 11 Day 12 Year 14

Transporter 2 Printed/Typed Name: [signature]
Signature: [signature]
Month 11 Day 13 Year 14

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: [signature]
Signature: [signature]
Month 11 Day 13 Year 14

GENERATOR
INT'L
TRANSPORTER
DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 9/09)

TRANSPORTER #1

Profile: 143100307
Site ID: 310

Clean Earth of Philadelphia

Profile GTN

Transactions from 11/17/2014 through 11/17/2014
Inbound Tickets Only
Third Party and Intercompany Customers
Sent and Unsent Tickets
Full Details

Ticket	Date	Truck	In / Out	Manifest	Customer	Gross	Tare	Net
143100307 - City of Glen Cove IDA-L. Tungsten					Global Job Number: 135145			
700000152048	11/17/14	10VAL229	I	1062539	BLU760-POSILLICO ENVIRONMENTAL	40.11	14.16	25.95
700000152050	11/17/14	10VAL237	I	1062543	BLU760-POSILLICO ENVIRONMENTAL	41.37	14.88	26.49
700000152054	11/17/14	10TEV2	I	1062541	BLU760-POSILLICO ENVIRONMENTAL	34.95	14.00	20.95
700000152057	11/17/14	10TEV26	I	1062542	BLU760-POSILLICO ENVIRONMENTAL	37.02	13.46	23.56
700000152059	11/17/14	10VAL225	I	1062540	BLU760-POSILLICO ENVIRONMENTAL	43.72	13.91	29.81
700000152073	11/17/14	10VAL228	I	1062544	BLU760-POSILLICO ENVIRONMENTAL	40.69	14.29	26.40
700000152077	11/17/14	10VAL224	I	1062546	BLU760-POSILLICO ENVIRONMENTAL	48.26	13.92	34.34
700000152110	11/17/14	10TEV8	I	1062548	BLU760-POSILLICO ENVIRONMENTAL	43.68	14.04	29.64
700000152135	11/17/14	10TEV2	I	1062550	BLU760-POSILLICO ENVIRONMENTAL	40.11	14.00	26.11
700000152136	11/17/14	10VAL235	I	1062545	BLU760-POSILLICO ENVIRONMENTAL	46.97	14.06	32.91
700000152142	11/17/14	10VAL238	I	1062551	BLU760-POSILLICO ENVIRONMENTAL	44.16	14.92	29.24
700000152149	11/17/14	10VAL236	I	1062547	BLU760-POSILLICO ENVIRONMENTAL	45.74	14.08	31.66
700000152161	11/17/14	10TEV10	I	1062549	BLU760-POSILLICO ENVIRONMENTAL	45.69	13.95	31.74
700000152186	11/17/14	10TEV4	I	1062552	BLU760-POSILLICO ENVIRONMENTAL	43.86	14.04	29.82
143100307 - City of Glen Cove IDA-L. Tungsten								398.62
14 tickets								

Report Grand Totals

398.62

14 tickets

Clean Earth of Philadelphia
3201 South 61st Street
Philadelphia, PA 19153
Ph: (215) 724-5520 Fax: (215) 724-2939

Ticket: 700000152048

	Date	Time	Scale
In:	11/17/2014	11:11:53	Scale CE
Out:	11/17/2014	11:12:06	P.T.

	Lbs	Tns
Gross:	80220	40.11
Tare:	28320	14.16
Net:	51900	25.95

Manifest: 1062539
Vehicle ID: 10VAL229
Act 90 Decal: WH15877
Customer: POSILLICO ENVIRONMENTAL

Facility Approval#: 143100307
Generator: City of Glen Cove IDA
Gen Address: 9 Glen St.
Glen Cove, NY 11542

Job Name: City of Glen Cove IDA-L. Tung
Job Address: 45 Herb Hill Road
Glen Cove, NY 11542

Origin	Materials & Services	Quantity	Unit
Nassau	Soil Treatment	25.95	Tns

Storage Area: Not Applicable
Comment:

Driver:

Facility:
Jay, Clifford H 67116

Original: Customer Copy - Carbon Copies: Void-Customer do not accept

CLEANEARTH

Manifest # 1062539

GLOBAL JOB NUMBER: 135145 **FACILITY APPROVAL NUMBER:** 143100307

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☒ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly) HCT90 WH 15877

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
City of Glen Cove IDA	☒ Tons ☐ Yards	
Herb Hill Road	TARE WEIGHT:	
Glen Cove, NY 11542	☒ Tons ☐ Yards	14.16
GENERATOR'S PHONE: 516-676-1625	NET WEIGHT: ☒ Tons ☐ Yards	25.95

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Petroleum-Contaminated Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Myralee Mackol Title: IDA Administrative Director

Signature: Myralee Mackol Date and Time: 11/17/14 0700

TRANSPORTER

Company: Valiant Phone Number: 973-234-5668

Address: 117 Lakeside Blvd, Landing N.J. Truck # and License Plate: #229 - AP378K

Driver: Javier Franco (Type or Print Clearly) SW Haulers Permit #: _____ (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 11/17/14

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 11/17/14

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 11-17-14

GENERATOR

Clean Earth of Philadelphia
3201 South 61st Street
Philadelphia, PA 19153
Ph: (215) 724-5520 Fax: (215) 724-2939

Ticket: 700000152050

	Date	Time	Scale
In:	11/17/2014	11:14:24	Scale CE
Out:	11/17/2014	11:14:37	P.T.

	Lbs	Tns
Gross:	82740	41.37
Tare:	29760	14.88
Net:	52980	26.49

Manifest: 1062543
Vehicle ID: 10VAL237
Act 90 Decal: WH15877
Customer: POSILLICO ENVIRONMENTAL

Facility Approval#: 143100307

Generator: City of Glen Cove IDA
Gen Address: 9 Glen St.
Glen Cove, NY 11542

Job Name: City of Glen Cove IDA-L. Tung
Job Address: 45 Herb Hill Road
Glen Cove, NY 11542

Origin	Materials & Services	Quantity	Unit
Nassau	Soil Treatment	26.49	Tns

Storage Area: Not Applicable
Comment:

Driver: _____

Facility: _____
Jay, Clifford H 67116

Original: Customer Copy - Carbon Copies: Void-Customer do not accept

CLEANEARTH

Manifest # 1062543

GLOBAL JOB NUMBER: 135145 **FACILITY APPROVAL NUMBER:** 143100307

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☒ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

Acco 1015877

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	
City of Glen Cove IDA		
Herb Hill Road	TARE WEIGHT: ☒ Tons ☐ Yards	14.88
Glen Cove, NY 11542		
GENERATOR'S PHONE: 516-676-1625	NET WEIGHT: ☒ Tons ☐ Yards	26.49

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Petroleum-Contaminated Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Myrtaleo MACKel Title: IDA Administrative Director

Signature: Myrtaleo Mackel Date and Time: _____

TRANSPORTER

Company: UAliant. Tran Phone Number: 973 446 4816

Address: 117 Lakeside Blvd Kending NJ Truck # and License Plate: AR914E

Driver: Edier G. SW Haulers Permit #: 237 #

(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Edier G. Date and Time: 11-17-14

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Edier G Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: 11-17-14

GENERATOR

Clean Earth of Philadelphia
3201 South 61st Street
Philadelphia, PA 19153
Ph: (215) 724-5520 Fax: (215) 724-2939

Ticket: 700000152054

	Date	Time	Scale
In:	11/17/2014	11:18:10	Scale CE
Out:	11/17/2014	11:18:21	P.T.

	Lbs	Tns
Gross:	69900	34.95
Tare:	28000	14.00
Net:	41900	20.95

Manifest: 1062541
Vehicle ID: 10TEV2
Act 90 Decal: WH1548
Customer: POSILLICO ENVIRONMENTAL

Facility Approval#: 143100307

Generator: City of Glen Cove IDA
Gen Address: 9 Glen St.
Glen Cove, NY 11542

Job Name: City of Glen Cove IDA-L. Tung
Job Address: 45 Herb Hill Road
Glen Cove, NY 11542

Origin	Materials & Services	Quantity	Unit
Nassau	Soil Treatment	20.95	Tns

Storage Area: Not Applicable
Comment:

Driver: [signature]

Facility: [signature]
Jay, Clifford H 67116

Original: Customer Copy - Carbon Copies: Void-Customer do not accept

CLEANEARTH

Manifest # 1062541

GLOBAL JOB NUMBER: 135145 • FACILITY APPROVAL NUMBER: 143100307

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☒ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	
City of Glen Cove IDA		
Herb Hill Road	TARE WEIGHT: ☒ Tons ☐ Yards	
Glen Cove, NY 11542		
GENERATOR'S PHONE: 516-676-1625	NET WEIGHT: ☒ Tons ☐ Yards	20.95

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Petroleum-Contaminated Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Myralee Machol Title: IDA Administrative Director

Signature: Myralee Machol Date and Time: 11/17/14 07:10

TRANSPORTER

Company: T.E.V. Corp. Phone Number:

Address: Port Newark NJ Truck # and License Plate: #2- AR 237E

Driver: Jose F Miranda SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: JFM Date and Time: 11-17-2014

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: JFM Date and Time: 11-17-14

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 11/17/14

GENERATOR

Clean Earth of Philadelphia
3201 South 61st Street
Philadelphia, PA 19153
Ph: (215) 724-5520 Fax: (215) 724-2939

Ticket: 700000152057

	Date	Time	Scale
In:	11/17/2014	11:20:18	Scale CE
Out:	11/17/2014	11:20:30	P.T.

	Lbs	Tns
Gross:	74040	37.02
Tare:	26920	13.46
Net:	47120	23.56

Manifest: 1062542
Vehicle ID: 10TEV26
Act 90 Decal: WH1548
Customer: POSILLICO ENVIRONMENTAL

Facility Approval#: 143100307

Generator: City of Glen Cove IDA
Gen Address: 9 Glen St.
Glen Cove, NY 11542

Job Name: City of Glen Cove IDA-L. Tung
Job Address: 45 Herb Hill Road
Glen Cove, NY 11542

Origin	Materials & Services	Quantity	Unit
Nassau	Soil Treatment	23.56	Tns

Storage Area: Not Applicable
Comment:

Driver: _____

Facility: _____
Jay, Clifford H 67116

Original: Customer Copy - Carbon Copies: Void-Customer do not accept

CLEANEARTH

Manifest # 1062542

GLOBAL JOB NUMBER: 135145 **FACILITY APPROVAL NUMBER:** 143100307

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☒ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: City of Glen Cove IDA	GROSS WEIGHT: ☒ Tons ☐ Yards	
Herb Hill Road	TARE WEIGHT: ☒ Tons ☐ Yards	
Glen Cove, NY 11542		
GENERATOR'S PHONE: 516-676-1625	NET WEIGHT: ☒ Tons ☐ Yards	23.56

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Petroleum-Contaminated Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Myrtle Michel Title: IDA Administrative Director

Signature: Myrtle Michel Date and Time: 11/17/14 [illegible]

TRANSPORTER

Company: TEV Phone Number: 9734651272

Address: Port Newark Truck # and License Plate: TEV26 AS406B

Driver: Randall Pereira (Type or Print Clearly) SW Haulers Permit #: 1548 (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 11/17/14

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 11/17/14

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 11/17/14

GENERATOR

Clean Earth of Philadelphia
3201 South 61st Street
Philadelphia, PA 19153
Ph: (215) 724-5520 Fax: (215) 724-2939

Ticket: 700000152059

	Date	Time	Scale
In:	11/17/2014	11:21:52	Scale CE
Out:	11/17/2014	11:22:14	P.T.

	Lbs	Tns
Gross:	87440	43.72
Tare:	27820	13.91
Net:	59620	29.81

Manifest: 1062540
Vehicle ID: 10VAL225
Act 90 Decal: WH15877
Customer: POSILLICO ENVIRONMENTAL

Facility Approval#: 143100307
Generator: City of Glen Cove IDA
Gen Address: 9 Glen St.
Glen Cove, NY 11542
Job Name: City of Glen Cove IDA-L. Tung
Job Address: 45 Herb Hill Road
Glen Cove, NY 11542

Origin	Materials & Services	Quantity	Unit
Nassau	Soil Treatment	29.81	Tns

Storage Area: Not Applicable
Comment:

Driver: _____

Facility: _____
Jay, Clifford H 67116

Original: Customer Copy - Carbon Copies: Void-Customer do not accept

CLEANEARTH

Manifest # 1062540

GLOBAL JOB NUMBER: 135145 **FACILITY APPROVAL NUMBER:** 143100307

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☒ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Act 90 # WH15877

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
City of Glen Cove IDA	☒ Tons ☐ Yards	
Herb Hill Road	TARE WEIGHT:	
Glen Cove, NY 11542	☒ Tons ☐ Yards	13.91
GENERATOR'S PHONE: 516-676-1625	NET WEIGHT: ☒ Tons ☐ Yards	29.81

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Petroleum-Contaminated Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Myralee Machol Title: IDA Administrative Director

Signature: Myralee Machol Date and Time: 11/17/14 [illegible]

TRANSPORTER

Company: Valiant Contr. Phone Number: 973 234 5668

Address: 123 Howard Blvd Lodgewood, NJ Truck # and License Plate: 225 AP80111 NJ

Driver: William C. (Type or Print Clearly) SW Haulers Permit #: (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 11/17/14

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 11/17/14

GENERATOR

Clean Earth of Philadelphia
3201 South 61st Street
Philadelphia, PA 19153
Ph: (215) 724-5520 Fax: (215) 724-2939

Ticket: 700000152073

	Date	Time	Scale
In:	11/17/2014	11:34:25	Scale CE
Out:	11/17/2014	11:34:37	P.T.

	Lbs	Tns
Gross:	81380	40.69
Tare:	28580	14.29
Net:	52800	26.40

Manifest: 1062544
Vehicle ID: 10VAL228
Act 90 Decal: WH15877
Customer: POSILLICO ENVIRONMENTAL

Facility Approval#: 143100307
Job Name: City of Glen Cove IDA-L. Tung
Job Address: 45 Herb Hill Road
Glen Cove, NY 11542

Generator: City of Glen Cove IDA
Gen Address: 9 Glen St.
Glen Cove, NY 11542

Origin	Materials & Services	Quantity	Unit
Nassau	Soil Treatment	26.40	Tns

Storage Area: Not Applicable
Comment:

Driver: _____

Facility: _____
Jay, Clifford H 67116

Original: Customer Copy - Carbon Copies: Void-Customer do not accept

CLEANEARTH

Manifest # 1062544

GLOBAL JOB NUMBER: 135145 **FACILITY APPROVAL NUMBER:** 143100307

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☒ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly) Acro # 415877

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
City of Glen Cove IDA	☒ Tons ☐ Yards	
Herb Hill Road	TARE WEIGHT:	
Glen Cove, NY 11542	☒ Tons ☐ Yards	14.29
GENERATOR'S PHONE: 516-676-1625	NET WEIGHT:	
	☒ Tons ☐ Yards	26.48

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Petroleum-Contaminated Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Myralee Drachel Title: IDA Administrative Director

Signature: Myralee Drachel Date and Time: 11/17/14 0754

TRANSPORTER

Company: Valiant Contracting LLC. Phone Number: 973 234 5668

Address: 123 Howard Blvd Lodgewood NJ Truck # and License Plate: #228 A8866J NJ.

Driver: Edisson Valencia SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 11/17/14

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: 11/17/14

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: 11-17-14

GENERATOR

Clean Earth of Philadelphia
3201 South 61st Street
Philadelphia, PA 19153
Ph: (215) 724-5520 Fax: (215) 724-2939

Ticket: 700000152077

	Date	Time	Scale
In:	11/17/2014	11:38:08	Scale CE
Out:	11/17/2014	11:38:21	P.T.

	Lbs	Tns
Gross:	96520	48.26
Tare:	27840	13.92
Net:	68680	34.34

Manifest: 1062546
Vehicle ID: 10VAL224
Act 90 Decal: WH15877
Customer: POSILLICO ENVIRONMENTAL

Facility Approval#: 143100307
Generator: City of Glen Cove IDA
Gen Address: 9 Glen St.
Glen Cove, NY 11542

Job Name: City of Glen Cove IDA-L. Tung
Job Address: 45 Herb Hill Road
Glen Cove, NY 11542

Origin	Materials & Services	Quantity	Unit
Nassau	Soil Treatment	34.34	Tns

Storage Area: Not Applicable
Comment:

Driver: [signature]

Facility: [signature]
Jay, Clifford H 67116

Original: Customer Copy - Carbon Copies: Void-Customer do not accept

CLEANEARTH

Manifest # 1062546

GLOBAL JOB NUMBER: 135145 **FACILITY APPROVAL NUMBER:** 143100307

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☒ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

AC798 # WH15877

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
City of Glen Cove IDA	☒ Tons ☐ Yards	
Herb Hill Road	TARE WEIGHT:	
Glen Cove, NY 11542	☒ Tons ☐ Yards	13.92
GENERATOR'S PHONE: 516-676-1625	NET WEIGHT: ☒ Tons ☐ Yards	34.34

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Petroleum-Contaminated Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Myralee Machol Title: IDA Administrative Director

Signature: Myralee Machol Date and Time: 11/17/14 0801

TRANSPORTER

Company: VALIANT Phone Number: 973/445-7816

Address: 130 Howard Blvd Ledgewood Truck # and License Plate: AS 230 C #224

Driver: EDUARDO (Type or Print Clearly) SW Haulers Permit #: (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Eduardo Date and Time: 11-17-14

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Eduardo Date and Time: 11-17-14

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 11-17-14

GENERATOR

Clean Earth of Philadelphia
3201 South 61st Street
Philadelphia, PA 19153
Ph: (215) 724-5520 Fax: (215) 724-2939

Ticket: 700000152110

	Date	Time	Scale
In:	11/17/2014	12:19:40	Scale CE
Out:	11/17/2014	12:20:17	P.T.

	Lbs	Tns
Gross:	87360	43.68
Tare:	28080	14.04
Net:	59280	29.64

Manifest: 1062548
Vehicle ID: 10TEV8
Act 90 Decal: WH1548
Customer: POSILLICO ENVIRONMENTAL

Facility Approval#: 143100307

Generator: City of Glen Cove IDA
Gen Address: 9 Glen St.
Glen Cove, NY 11542

Job Name: City of Glen Cove IDA-L. Tung
Job Address: 45 Herb Hill Road
Glen Cove, NY 11542

Origin	Materials & Services	Quantity	Unit
Nassau	Soil Treatment	29.64	Tns

Storage Area: Area 5
Comment:

Driver:

Facility: Jay Clifford # 67116

Original: Customer Copy - Carbon Copies: Void-Customer do not accept

CLEANEARTH

Manifest # 1002548

GLOBAL JOB NUMBER: 135145 FACILITY APPROVAL NUMBER: 143100307

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☒ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

Account 1548

GENERATOR'S NAME & SITE ADDRESS: City of Glen Cove IDA	GROSS WEIGHT: ☒ Tons ☐ Yards	
Herb Hill Road	TARE WEIGHT: ☒ Tons ☐ Yards	14.04
Glen Cove, NY 11542		
GENERATOR'S PHONE: 516-676-1625	NET WEIGHT: ☒ Tons ☐ Yards	29.64

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Petroleum-Contaminated Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Myralee Machol Title: IDA Administrative Director

Signature: Myralee Machol Date and Time: 11/17/14 0853

TRANSPORTER

Company: TEV 8 Phone Number: AR 4949

Address: Port Newark Truck # and License Plate: [redacted]

Driver: Pedro Soto (Type or Print Clearly) SW Haulers Permit #: _____ (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Pedro Soto Date and Time: Nov 17 2014 9:00 AM

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Pedro Soto Date and Time: Nov 17 2014

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: 11-17-14

GENERATOR

Clean Earth of Philadelphia
3201 South 61st Street
Philadelphia, PA 19153
Ph: (215) 724-5520 Fax: (215) 724-2939

Ticket: 700000152135

	Date	Time	Scale
In:	11/17/2014	12:45:52	Scale CE
Out:	11/17/2014	12:46:18	P.T.

	Lbs	Tns
Gross:	80220	40.11
Tare:	28000	14.00
Net:	52220	26.11

Manifest: 1062550
Vehicle ID: 10TEV2
Act 90 Decal: WH1548
Customer: POSILLICO ENVIRONMENTAL

Facility Approval#: 143100307
Job Name: City of Glen Cove IDA-L. Tung
Job Address: 45 Herb Hill Road
Glen Cove, NY 11542

Generator: City of Glen Cove IDA
Gen Address: 9 Glen St.
Glen Cove, NY 11542

Origin	Materials & Services	Quantity	Unit
Nassau	Soil Treatment	26.11	Tns

Storage Area: Area 5
Comment:

Driver:

Facility:
Jay, Clifford 67116

Original: Customer Copy - Carbon Copies: Void-Customer do not accept

CLEANEARTH

Manifest # 1062550

GLOBAL JOB NUMBER: 135145 **FACILITY APPROVAL NUMBER:** 143100307

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☒ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Act 90 # WH1548

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
City of Glen Cove IDA	☒ Tons ☐ Yards	
Herb Hill Road	TARE WEIGHT:	
Glen Cove, NY 11542	☒ Tons ☐ Yards	14.00
GENERATOR'S PHONE: 516-676-1625	NET WEIGHT: ☒ Tons ☐ Yards	26.11

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Petroleum-Contaminated Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Myralee Macbol Title: IM Administrative Director

Signature: Myralee Macbol Date and Time: 11/17/14 0930.

TRANSPORTER

Company: TEV Phone Number:

Address: 132 Calcutta ST EWR NJ Truck # and License Plate: #2 # PR236E

Driver: Drummond James (Type or Print Clearly) SW Haulers Permit #: (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 11/17/14

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 11-17-14

GENERATOR

Clean Earth of Philadelphia
3201 South 61st Street
Philadelphia, PA 19153
Ph: (215) 724-5520 Fax: (215) 724-2939

Ticket: 700000152136

	Date	Time	Scale
In:	11/17/2014	11:32:03	Scale CE
Out:	11/17/2014	12:47:14	Scale CE

	Lbs	Tns
Gross:	93940	46.97
Tare:	28120	14.06
Net:	65820	32.91

Manifest: 1062545
Vehicle ID: 10VAL235
Act 90 Decal: WH15877
Customer: POSILLICO ENVIRONMENTAL

Facility Approval#: 143100307
Job Name: City of Glen Cove IDA-L. Tung
Job Address: 45 Herb Hill Road
Glen Cove, NY 11542

Generator: City of Glen Cove IDA
Gen Address: 9 Glen St.
Glen Cove, NY 11542

Origin	Materials & Services	Quantity	Unit
Nassau	Soil Treatment	32.91	Tns

Storage Area: Not Applicable
Comment:

Driver: _____

Facility: _____
Jay, Clifford H 67116

Original: Customer Copy - Carbon Copies: Void-Customer do not accept

93940

11:32

CLEANEARTH

Manifest # 1062545

GLOBAL JOB NUMBER: 135145 **FACILITY APPROVAL NUMBER:** 143100307

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☒ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

AL790# WH 15877

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
City of Glen Cove IDA	☒ Tons ☐ Yards	
Herb Hill Road	TARE WEIGHT:	
Glen Cove, NY 11542	☒ Tons ☐ Yards	14.06
GENERATOR'S PHONE: 516-676-1625	NET WEIGHT: ☒ Tons ☐ Yards	32.91

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Petroleum-Contaminated Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Myralee Machol Title: IDA Administrative Director

Signature: Myralee Machol Date and Time: 11/17/14 1200

TRANSPORTER

Company: Valiant contracting Phone Number: (973) 234-5668 #235

Address: 123 Howard Blvd-Landing Truck # and License Plate: AP232W - N.J

Driver: Cesar Bedoya SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 11/17/14

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 11/17/14

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 11-17-14

GENERATOR

Clean Earth of Philadelphia
3201 South 61st Street
Philadelphia, PA 19153
Ph: (215) 724-5520 Fax: (215) 724-2939

Ticket: 700000152142

	Date	Time	Scale
In:	11/17/2014	12:50:43	Scale CE
Out:	11/17/2014	12:51:23	P.T.

	Lbs	Tns
Gross:	88320	44.16
Tare:	29840	14.92
Net:	58480	29.24

Manifest: 1062551
Vehicle ID: 10VAL238
Act 90 Decal: WH15877
Customer: POSILLICO ENVIRONMENTAL

Facility Approval#: 143100307
Job Name: City of Glen Cove IDA-L. Tung
Job Address: 45 Herb Hill Road
Glen Cove, NY 11542

Generator: City of Glen Cove IDA
Gen Address: 9 Glen St.
Glen Cove, NY 11542

Origin	Materials & Services	Quantity	Unit
Nassau	Soil Treatment	29.24	Tns

Storage Area: Area 5
Comment:

Driver: _____

Facility: _____
Jay, Clifford H 67116

Original: Customer Copy - Carbon Copies: Void-Customer do not accept

CLEANEARTH

Manifest # 1062551

GLOBAL JOB NUMBER: 135145 **FACILITY APPROVAL NUMBER:** 143100307

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☒ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

ACTGS # 115877

GENERATOR'S NAME & SITE ADDRESS: City of Glen Cove IDA	GROSS WEIGHT: ☒ Tons ☐ Yards	
Herb Hill Road	TARE WEIGHT:	
Glen Cove, NY 11542	☒ Tons ☐ Yards	14.92
GENERATOR'S PHONE: 516-676-1625	NET WEIGHT: ☒ Tons ☐ Yards	29.24

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Petroleum-Contaminated Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Myrdee Machol Title: IDA Administrative Director

Signature: Myrdee Machol Date and Time: 11/17/14 9:38

TRANSPORTER

Company: Valiant Phone Number: _____

Address: 123 Howard Blvd. NJ. Truck # and License Plate: AC915E

Driver: Hernandez (Type or Print Clearly) SW Haulers Permit #: 238 (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Hernandez Date and Time: 11-17-14

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: 11.17.14

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: 11-17-14

GENERATOR

Clean Earth of Philadelphia
3201 South 61st Street
Philadelphia, PA 19153
Ph: (215) 724-5520 Fax: (215) 724-2939

Ticket: 700000152149

	Date	Time	Scale
In:	11/17/2014	11:47:01	Scale CE
Out:	11/17/2014	13:01:53	Scale CE

	Lbs	Tns
Gross:	91480	45.74
Tare:	28160	14.08
Net:	63320	31.66

Manifest: 1062547
Vehicle ID: 10VAL236
Act 90 Decal: WH15877
Customer: POSILLICO ENVIRONMENTAL

Facility Approval#: 143100307

Generator: City of Glen Cove IDA
Gen Address: 9 Glen St.
Glen Cove, NY 11542

Job Name: City of Glen Cove IDA-L. Tung
Job Address: 45 Herb Hill Road
Glen Cove, NY 11542

Origin	Materials & Services	Quantity	Unit
Nassau	Soil Treatment	31.66	Tns

Storage Area: Not Applicable
Comment:

Driver: _____

Facility: _____
Jay, Clifford H 67116

Original: Customer Copy - Carbon Copies: Void-Customer do not accept

91480

11:47

Manifest # 1062547

CLEANEARTH

GLOBAL JOB NUMBER: 135145 FACILITY APPROVAL NUMBER: 143100307

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☒ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

ACT 90 # MH15877

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
City of Glen Cove IDA	☒ Tons ☐ Yards	
Herb Hill Road	TARE WEIGHT:	
Glen Cove, NY 11542	☒ Tons ☐ Yards	14.08
GENERATOR'S PHONE: 516-676-1625	NET WEIGHT: ☒ Tons ☐ Yards	31.66

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Petroleum-Contaminated Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Myralee Machol Title: IDA Administrative Director

Signature: Myralee Machol Date and Time: 11/17/14 0810

TRANSPORTER

Company: VALIANT Phone Number:

Address: 117 Lakeside Blvd Lansing N Truck # and License Plate: AS231C

Driver: FABER SW Haulers Permit #: TOWCK 236

(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 11-17-14

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 11-17-14

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 11-17-14

GENERATOR

Clean Earth of Philadelphia
3201 South 61st Street
Philadelphia, PA 19153
Ph: (215) 724-5520 Fax: (215) 724-2939

Ticket: 700000152161

	Date	Time	Scale
In:	11/17/2014	13:11:23	Scale CE
Out:	11/17/2014	13:11:51	P.T.

Manifest: 1062549
Vehicle ID: 10TEV10
Act 90 Decal: WH1548
Customer: POSILLICO ENVIRONMENTAL

	Lbs	Tns
Gross:	91380	45.69
Tare:	27900	13.95
Net:	63480	31.74

Facility Approval#: 143100307
Generator: City of Glen Cove IDA
Gen Address: 9 Glen St.
Glen Cove, NY 11542
Job Name: City of Glen Cove IDA-L. Tung
Job Address: 45 Herb Hill Road
Glen Cove, NY 11542

Origin	Materials & Services	Quantity	Unit
Nassau	Soil Treatment	31.74	Tns

Storage Area: Area 5
Comment:

Driver: _____

Facility: _____
Jay, Clifford H 67116

Original: Customer Copy - Carbon Copies: Void-Customer do not accept

CLEANEARTH

Manifest # 1062549

GLOBAL JOB NUMBER: 135145 **FACILITY APPROVAL NUMBER:** 143100307

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☒ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

ACT 95 # WH 1548

GENERATOR'S NAME & SITE ADDRESS: City of Glen Cove IDA	GROSS WEIGHT: ☒ Tons ☐ Yards	
Herb Hill Road	TARE WEIGHT:	
Glen Cove, NY 11542	☒ Tons ☐ Yards	13.95
GENERATOR'S PHONE: 516-676-1625	NET WEIGHT: ☒ Tons ☐ Yards	31.74

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Petroleum-Contaminated Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Myrales Machol Title: IDA Administrative Director

Signature: Myrales Machol Date and Time: 11/17/14 8:10

TRANSPORTER

Company: TEV Phone Number:

Address: Truck # and License Plate: AR4915 TEV#10

Driver: Rogelio Sosa SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 11-17-14

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time: 11-17-14

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 11-17-14

GENERATOR

Clean Earth of Philadelphia
3201 South 61st Street
Philadelphia, PA 19153
Ph: (215) 724-5520 Fax: (215) 724-2939

Ticket: 700000152186

	Date	Time	Scale
In:	11/17/2014	13:36:13	Scale CE
Out:	11/17/2014	13:36:24	P.T.

	Lbs	Tns
Gross:	87720	43.86
Tare:	28080	14.04
Net:	59640	29.82

Manifest: 1062552
Vehicle ID: 10TEV4
Act 90 Decal: WH1548
Customer: POSILLICO ENVIRONMENTAL

Facility Approval#: 143100307

Generator: City of Glen Cove IDA
Gen Address: 9 Glen St.
Glen Cove, NY 11542

Job Name: City of Glen Cove IDA-L. Tung
Job Address: 45 Herb Hill Road
Glen Cove, NY 11542

Origin	Materials & Services	Quantity	Unit
Nassau	Soil Treatment	29.82	Tns

Storage Area: Not Applicable
Comment:

Driver: Jim

Facility: Joe Schmitt
Jay, Clifford H 67116

Original: Customer Copy - Carbon Copies: Void-Customer do not accept

CLEANEARTH

TEV 4

Manifest # 1062552

GLOBAL JOB NUMBER: 135145 **FACILITY APPROVAL NUMBER:** 143100307

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☒ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	
City of Glen Cove IDA		
Herb Hill Road	TARE WEIGHT: ☒ Tons ☐ Yards	
Glen Cove, NY 11542		
GENERATOR'S PHONE: 516-676-1625	NET WEIGHT: ☒ Tons ☐ Yards	29.82

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Petroleum-Contaminated Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Myralee Machol Title: IDA Administrative Director

Signature: Myralee Machol Date and Time: 11/17/14 0943

TRANSPORTER

Company: TEV 182 CALCUTTA PORT NEWARK Phone Number:

Address: 182 CALCUTTA PORT NEWARK Truck # and License Plate: AR-239E

Driver: Jim (Type or Print Clearly) SW Haulers Permit #: (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Jim Date and Time: 11-17-14

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Jim Date and Time: 11-17-14

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 11-17-14

GENERATOR

Profile: 143100307
Site ID: 310

Clean Earth of Philadelphia

Profile GTN

Transactions from 11/18/2014 through 11/18/2014
Inbound Tickets Only
Third Party and Intercompany Customers
Sent and Unsent Tickets
Full Details

Ticket	Date	Truck	In / Out	Manifest	Customer	Gross	Tare	Net
143100307 - City of Glen Cove IDA-L. Tungsten					Global Job Number: 135145			
700000152541	11/18/14	10VAL225	I	1062553	BLU760-POSILLICO ENVIRONMENTAL	44.71	13.91	30.80
700000152553	11/18/14	10VAL228	I	1062554	BLU760-POSILLICO ENVIRONMENTAL	44.66	14.29	30.37
700000152565	11/18/14	10VAL224	I	1062555	BLU760-POSILLICO ENVIRONMENTAL	46.02	13.92	32.10
700000152586	11/18/14	10VAL230	I	1062556	BLU760-POSILLICO ENVIRONMENTAL	38.99	13.97	25.02
700000152602	11/18/14	10VAL233	I	1062558	BLU760-POSILLICO ENVIRONMENTAL	42.36	13.94	28.42
700000152625	11/18/14	10TEV17	I	1062557	BLU760-POSILLICO ENVIRONMENTAL	41.77	14.06	27.71
700000152641	11/18/14	10TEV6	I	1062559	BLU760-POSILLICO ENVIRONMENTAL	36.54	14.05	22.49
700000152644	11/18/14	10VAL235	I	1062560	BLU760-POSILLICO ENVIRONMENTAL	44.49	14.06	30.43
700000152667	11/18/14	10VAL227	I	1062563	BLU760-POSILLICO ENVIRONMENTAL	43.71	14.06	29.65
700000152671	11/18/14	10VAL237	I	1062564	BLU760-POSILLICO ENVIRONMENTAL	41.35	14.88	26.47
700000152712	11/18/14	10TEV26	I	1062565	BLU760-POSILLICO ENVIRONMENTAL	45.45	13.46	31.99
700000152713	11/18/14	10TEV5	I	1062561	BLU760-POSILLICO ENVIRONMENTAL	39.58	14.04	25.54
700000152747	11/18/14	10BL724	I	1062562	BLU760-POSILLICO ENVIRONMENTAL	42.20	14.12	28.08
700000152882	11/18/14	10TEV16	I	1062566	BLU760-POSILLICO ENVIRONMENTAL	43.66	12.96	30.70
700000152902	11/18/14	10TEV34	I	1062568	BLU760-POSILLICO ENVIRONMENTAL	42.94	14.20	28.74
700000152943	11/18/14	10TEV11	I	1062569	BLU760-POSILLICO ENVIRONMENTAL	42.58	14.01	28.57
143100307 - City of Glen Cove IDA-L. Tungsten								457.08
16 tickets								

Report Grand Totals

457.08

16 tickets

CLEANEARTH

Manifest # 1062553

GLOBAL JOB NUMBER: 135145 **FACILITY APPROVAL NUMBER:** 143100307

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☒ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

ACT90 II M+15877

GENERATOR'S NAME & SITE ADDRESS: City of Glen Cove IDA	GROSS WEIGHT: ☒ Tons ☐ Yards	
Herb Hill Road	TARE WEIGHT: ☒ Tons ☐ Yards	13.91
Glen Cove, NY 11542		
GENERATOR'S PHONE: 516-676-1625	NET WEIGHT: ☒ Tons ☐ Yards	30.80

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Petroleum-Contaminated Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Myrales Machol Title: IDA Administrative Director

Signature: Myrales Machol Date and Time: 11/18/14 0729

TRANSPORTER

Company: Valiant Contr. Phone Number: 973 2345668

Address: 123 Howard Blvd Lodgewood, NJ Truck # and License Plate: 225 AP8011 NJ

Driver: William C (Type or Print Clearly) SW Haulers Permit #: (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 11/18/14

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time: 11/18/14

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 11-18-14

GENERATOR

Clean Earth of Philadelphia
3201 South 61st Street
Philadelphia, PA 19153
Ph: (215) 724-5520 Fax: (215) 724-2939

Ticket: 700000152553

	Date	Time	Scale
In:	11/18/2014	10:40:37	Scale CE
Out:	11/18/2014	10:41:05	P.T.

	Lbs	Tns
Gross:	89320	44.66
Tare:	28580	14.29
Net:	60740	30.37

Manifest: 1062554
Vehicle ID: 10VAL228
Act 90 Decal: WH15877
Customer: POSILLICO ENVIRONMENTAL

Facility Approval#: 143100307

Generator: City of Glen Cove IDA
Gen Address: 9 Glen St.
Glen Cove, NY 11542

Job Name: City of Glen Cove IDA-L. Tung
Job Address: 45 Herb Hill Road
Glen Cove, NY 11542

Origin	Materials & Services	Quantity	Unit
Nassau	Soil Treatment	30.37	Tns

Storage Area: Area 5
Comment:

Driver:

Facility:
Jay, Clifford H 67116

Original: Customer Copy - Carbon Copies: Void-Customer do not accept

(2)

CLEANEARTH

Manifest # 1062554

GLOBAL JOB NUMBER: 135145 **FACILITY APPROVAL NUMBER:** 143100307

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☒ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other

Non-Hazardous Material Manifest

(Type or Print Clearly) Acc 90 Ht 15877

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
City of Glen Cove IDA	☒ Tons ☐ Yards	
Herb Hill Road	TARE WEIGHT:	
Glen Cove, NY 11542	☒ Tons ☐ Yards	14.29
GENERATOR'S PHONE: 516-676-1625	NET WEIGHT: ☒ Tons ☐ Yards	30.37

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Petroleum-Contaminated Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Myralee Machol Title: IDA ADMINISTRATIVE DIRECTOR

Signature: Myralee Machol Date and Time: 11/18/14 0735.

TRANSPORTER

Company: Valiant Contracting LLC. Phone Number: 973 234 5668

Address: 123 Howard Blvd Ledgewood Truck # and License Plate: #228 AP866J NJ.

Driver: Edisson Valencia (Type or Print Clearly) SW Haulers Permit #: (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 11/18/14 7:33am

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 11/18/14

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 11-18-14

GENERATOR

Clean Earth of Philadelphia
3201 South 61st Street
Philadelphia, PA 19153
Ph: (215) 724-5520 Fax: (215) 724-2939

Ticket: 700000152565

	Date	Time	Scale
In:	11/18/2014	10:47:37	Scale CE
Out:	11/18/2014	10:48:14	P.T.

	Lbs	Tns
Gross:	92040	46.02
Tare:	27840	13.92
Net:	64200	32.10

Manifest: 1062555
Vehicle ID: 10VAL224
Act 90 Decal: WH15877
Customer: POSILLICO ENVIRONMENTAL

Facility Approval#: 143100307

Generator: City of Glen Cove IDA
Gen Address: 9 Glen St.
Glen Cove, NY 11542

Job Name: City of Glen Cove IDA-L. Tung
Job Address: 45 Herb Hill Road
Glen Cove, NY 11542

Origin	Materials & Services	Quantity	Unit
Nassau	Soil Treatment	32.10	Tns

Storage Area: Area 5
Comment:

Driver: Cadwell

Facility: Jay, Clifford H 67116

Original: Customer Copy - Carbon Copies: Void-Customer do not accept

(3)

CLEANEARTH

Manifest # 1062555

GLOBAL JOB NUMBER: 135145 **FACILITY APPROVAL NUMBER:** 143100307

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☒ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Alt 95 # NH 15877

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	
City of Glen Cove IDA		
Herb Hill Road	TARE WEIGHT: ☒ Tons ☐ Yards	13.92
Glen Cove, NY 11542		
GENERATOR'S PHONE: 516-676-1625	NET WEIGHT: ☒ Tons ☐ Yards	32.10

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Petroleum-Contaminated Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Myralee Machol Title: IDA Administrative Director

Signature: Myralee Machol Date and Time: 11/18/14 0740.

TRANSPORTER

Company: A VALIANT Phone Number: 973-445-7816

Address: 130 Howar Blvd Ledgewood NJ Truck # and License Plate: AS 230 C #224

Driver: Eduardo (Type or Print Clearly) SW Haulers Permit #: (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Eduardo Date and Time: 11-18-14

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Eduardo Date and Time: 11-18-14

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 11-18-14

GENERATOR

Clean Earth of Philadelphia
3201 South 61st Street
Philadelphia, PA 19153
Ph: (215) 724-5520 Fax: (215) 724-2939

Ticket: 700000152586

	Date	Time	Scale
In:	11/18/2014	10:58:34	Scale CE
Out:	11/18/2014	10:58:58	P.T.

Manifest: 1062556
Vehicle ID: 10VAL230
Act 90 Decal: WH15877
Customer: POSILLICO ENVIRONMENTAL

	Lbs	Tns
Gross:	77980	38.99
Tare:	27940	13.97
Net:	50040	25.02

Facility Approval#: 143100307
Job Name: City of Glen Cove IDA-L. Tung
Job Address: 45 Herb Hill Road
Glen Cove, NY 11542

Generator: City of Glen Cove IDA
Gen Address: 9 Glen St.
Glen Cove, NY 11542

Origin	Materials & Services	Quantity	Unit
Nassau	Soil Treatment	25.02	Tns

Storage Area: Area 5
Comment:

Driver:

Facility:
Jay, Clifford H 67116

Original: Customer Copy - Carbon Copies: Void-Customer do not accept

(4)

CLEANEARTH

Manifest # 1062556

GLOBAL JOB NUMBER: 135145 **FACILITY APPROVAL NUMBER:** 143100307

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☒ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Acc 90 Ht 15877

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
City of Glen Cove IDA	☒ Tons ☐ Yards	
Herb Hill Road	TARE WEIGHT:	
Glen Cove, NY 11542	☒ Tons ☐ Yards	13.97
GENERATOR'S PHONE: 516-676-1625	NET WEIGHT: ☒ Tons ☐ Yards	25.02

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Petroleum-Contaminated Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Myralee Machol Title: IDA Administrative Director

Signature: Myralee Machol Date and Time: 11/18/14 0745

TRANSPORTER

Company: Valiant Phone Number:

Address: Howard Bly Truck # and License Plate: AP 260 R

Driver: Juan Gomez (Type or Print Clearly) SW Haulers Permit #: 230 (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 11-18-14

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 11.18.14

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 11.18.14

GENERATOR

Clean Earth of Philadelphia
3201 South 61st Street
Philadelphia, PA 19153
Ph: (215) 724-5520 Fax: (215) 724-2939

Ticket: 700000152602

	Date	Time	Scale
In:	11/18/2014	11:08:52	Scale CE
Out:	11/18/2014	11:09:38	P.T.

Manifest: 1062558
Vehicle ID: 10VAL233
Act 90 Decal: WH15877
Customer: POSILLICO ENVIRONMENTAL

	Lbs	Tns
Gross:	84720	42.36
Tare:	27880	13.94
Net:	56840	28.42

Generator: City of Glen Cove IDA
Gen Address: 9 Glen St.
Glen Cove, NY 11542

Facility Approval#: 143100307
Job Name: City of Glen Cove IDA-L. Tung
Job Address: 45 Herb Hill Road
Glen Cove, NY 11542

Origin	Materials & Services	Quantity	Unit
Nassau	Soil Treatment	28.42	Tns

Storage Area: Area 5
Comment:

Driver:

Facility:
Jay, Clifford H 67116

Original: Customer Copy - Carbon Copies: Void-Customer do not accept

(6)

CLEANEARTH

Manifest # 1062558

GLOBAL JOB NUMBER: 135145 **FACILITY APPROVAL NUMBER:** 143100307

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☒ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Act 98th WH 15877

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
City of Glen Cove IDA	☒ Tons ☐ Yards	
Herb Hill Road	TARE WEIGHT:	
Glen Cove, NY 11542	☒ Tons ☐ Yards	13.94
GENERATOR'S PHONE: 516-676-1625	NET WEIGHT: ☒ Tons ☐ Yards	28.42

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Petroleum-Contaminated Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Myralee Machol Title: IDA Administrative Director

Signature: Myralee Machol Date and Time: 11/18/14 0801

TRANSPORTER

Company: Valiant Tran. Phone Number: 973 446 7816

Address: 117 Lakeside Blvd Landing NJ Truck # and License Plate: AP 8050

Driver: Edier G (Type or Print Clearly) SW Haulers Permit #: 233 (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Edier G. Date and Time: 11-18-14

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Edier G Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 11-18-14

GENERATOR

Clean Earth of Philadelphia
3201 South 61st Street
Philadelphia, PA 19153
Ph: (215) 724-5520 Fax: (215) 724-2939

Ticket: 700000152625

	Date	Time	Scale
In:	11/18/2014	11:19:09	Scale CE
Out:	11/18/2014	11:20:05	P.T.

Manifest: 1062557
Vehicle ID: 10TEV17
Act 90 Decal: WH1548
Customer: POSILLICO ENVIRONMENTAL

	Lbs	Tns
Gross:	83540	41.77
Tare:	28120	14.06
Net:	55420	27.71

Facility Approval#: 143100307
Job Name: City of Glen Cove IDA-L. Tung
Job Address: 45 Herb Hill Road
Glen Cove, NY 11542

Generator: City of Glen Cove IDA
Gen Address: 9 Glen St.
Glen Cove, NY 11542

Origin	Materials & Services	Quantity	Unit
Nassau	Soil Treatment	27.71	Tns

Storage Area: Area 5
Comment:

Driver: _____

Facility: _____
Jay, Clifford H 67116

Original: Customer Copy - Carbon Copies: Void-Customer do not accept

(5)

CLEANEARTH

Manifest # 1062557

GLOBAL JOB NUMBER: 135145 **FACILITY APPROVAL NUMBER:** 143100307

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☒ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other

Non-Hazardous Material Manifest

(Type or Print Clearly) Act 95 Lot 1548

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
City of Glen Cove IDA	☒ Tons ☐ Yards	
Herb Hill Road	TARE WEIGHT:	
Glen Cove, NY 11542	☒ Tons ☐ Yards	14.06
GENERATOR'S PHONE: 516-676-1625	NET WEIGHT: ☒ Tons ☐ Yards	27.71

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Petroleum-Contaminated Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Myralee Machol Title: IDA Administrative Director

Signature: Myralee Machol Date and Time: 11/18/14 0752

TRANSPORTER

Company: TEV Trucking Phone Number: 570-401-5835

Address: Port Newark N.Y. Truck # and License Plate: #17 - Am 714 Y

Driver: Keith Vandervatt SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 11-18-14 8:15 AM

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 11-18-14

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 11-18-14

GENERATOR

Clean Earth of Philadelphia
3201 South 61st Street
Philadelphia, PA 19153
Ph: (215) 724-5520 Fax: (215) 724-2939

Ticket: 700000152641

	Date	Time	Scale
In:	11/18/2014	11:26:52	Scale CE
Out:	11/18/2014	11:27:28	P.T.

Manifest: 1062559
Vehicle ID: 10TEV6
Act 90 Decal: WH1548
Customer: POSILLICO ENVIRONMENTAL

	Lbs	Tns
Gross:	73080	36.54
Tare:	28100	14.05
Net:	44980	22.49

Facility Approval#: 143100307
Job Name: City of Glen Cove IDA-L. Tung
Job Address: 45 Herb Hill Road
Glen Cove, NY 11542

Generator: City of Glen Cove IDA
Gen Address: 9 Glen St.
Glen Cove, NY 11542

Origin	Materials & Services	Quantity	Unit
Nassau	Soil Treatment	22.49	Tns

Storage Area: Area 5
Comment:

Driver:

Facility: Jay, Clifford H 67116

Original: Customer Copy - Carbon Copies: Void-Customer do not accept

(7)

CLEANEARTH

Manifest # 1062559

GLOBAL JOB NUMBER: 135145 **FACILITY APPROVAL NUMBER:** 143100307

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☒ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

AZ 95 WH 1548

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
City of Glen Cove IDA	☒ Tons ☐ Yards	
Herb Hill Road	TARE WEIGHT:	
Glen Cove, NY 11542	☒ Tons ☐ Yards	14.05
GENERATOR'S PHONE: 516-676-1625	NET WEIGHT: ☒ Tons ☐ Yards	22.49

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Petroleum-Contaminated Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Myralee Machol Title: IDA Administrative Director

Signature: Myralee Machol Date and Time: 11/18/14 0810

TRANSPORTER

Company: TEV 46 Phone Number:

Address: 182 Calcutta St Port Newark Truck # and License Plate: AR492g

Driver: Eric Dohgade (Type or Print Clearly) SW Haulers Permit #: (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 11-18-14

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time: 11-18-14

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 11-18-14

GENERATOR

Clean Earth of Philadelphia
3201 South 61st Street
Philadelphia, PA 19153
Ph: (215) 724-5520 Fax: (215) 724-2939

Ticket: 700000152644

	Date	Time	Scale
In:	11/18/2014	11:28:37	Scale CE
Out:	11/18/2014	11:29:02	P.T.

	Lbs	Tns
Gross:	88980	44.49
Tare:	28120	14.06
Net:	60860	30.43

Manifest: 1062560
Vehicle ID: 10VAL235
Act 90 Decal: WH15877
Customer: POSILLICO ENVIRONMENTAL

Facility Approval#: 143100307
Job Name: City of Glen Cove IDA-L. Tung
Job Address: 45 Herb Hill Road
Glen Cove, NY 11542

Generator: City of Glen Cove IDA
Gen Address: 9 Glen St.
Glen Cove, NY 11542

Origin	Materials & Services	Quantity	Unit
Nassau	Soil Treatment	30.43	Tns

Storage Area: Area 5
Comment:

Driver:

Facility: Jay, Clifford 67116

Original: Customer Copy - Carbon Copies: Void-Customer do not accept

(8)

CLEANEARTH

Manifest # 1062560

GLOBAL JOB NUMBER: 135145 **FACILITY APPROVAL NUMBER:** 143100307

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☒ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other _____

Non-Hazardous Material Manifest

Accept # 15877

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: City of Glen Cove IDA, Herb Hill Road, Glen Cove, NY 11542	GROSS WEIGHT: ☒ Tons ☐ Yards	
	TARE WEIGHT: ☒ Tons ☐ Yards	14.06
GENERATOR'S PHONE: 516-676-1625	NET WEIGHT: ☒ Tons ☐ Yards	30.43

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Petroleum-Contaminated Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Myralee Machol Title: IDA Administrative Director

Signature: Myralee Machol Date and Time: 11/18/14 0815

TRANSPORTER

Company: Valiant Phone Number: #235

Address: Lindenhurst, NY Truck # and License Plate: APL32W - NY

Driver: Cesar Bedoya SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 11/18/14

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: 11/18/14

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: 11-18-14

Clean Earth of Philadelphia
3201 South 61st Street
Philadelphia, PA 19153
Ph: (215) 724-5520 Fax: (215) 724-2939

Ticket: 700000152667

	Date	Time	Scale
In:	11/18/2014	11:40:57	Scale CE
Out:	11/18/2014	11:42:15	P.T.

Manifest: 1062563
Vehicle ID: 10VAL227
Act 90 Decal: WH15877
Customer: POSILLICO ENVIRONMENTAL

	Lbs	Tns
Gross:	87420	43.71
Tare:	28120	14.06
Net:	59300	29.65

Generator: City of Glen Cove IDA
Gen Address: 9 Glen St.
Glen Cove, NY 11542

Facility Approval#: 143100307
Job Name: City of Glen Cove IDA-L. Tung
Job Address: 45 Herb Hill Road
Glen Cove, NY 11542

Origin	Materials & Services	Quantity	Unit
Nassau	Soil Treatment	29.65	Tns

Storage Area: Area 5
Comment:

Driver:

Facility:
Jay, Clifford H 67116

Original: Customer Copy - Carbon Copies: Void-Customer do not accept

(11)

CLEANEARTH

Manifest # 1062563

GLOBAL JOB NUMBER: 135145 **FACILITY APPROVAL NUMBER:** 143100307

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☒ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Act 90 # WH 15877

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
City of Glen Cove IDA	☒ Tons ☐ Yards	
Herb Hill Road	TARE WEIGHT:	
Glen Cove, NY 11542	☒ Tons ☐ Yards	14.06
GENERATOR'S PHONE: 516-676-1625	NET WEIGHT:	
	☒ Tons ☐ Yards	29.65

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Petroleum-Contaminated Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Myralee Machol Title: IDA Administrative Director

Signature: Myralee Machol Date and Time: 11/18/14.

TRANSPORTER

Company: Valent Contracting LLC. Phone Number:

Address: 17 Lakeside Blvd Landing NJ Truck # and License Plate: APC03W #277

Driver: (Type or Print Clearly) SW Haulers Permit #: WH15877 (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time:

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 11-18-14

Clean Earth of Philadelphia
3201 South 61st Street
Philadelphia, PA 19153
Ph: (215) 724-5520 Fax: (215) 724-2939

Ticket: 700000152671

	Date	Time	Scale
In:	11/18/2014	11:44:02	Scale CE
Out:	11/18/2014	11:44:15	P.T.

	Lbs	Tns
Gross:	82700	41.35
Tare:	29760	14.88
Net:	52940	26.47

Manifest: 1062564
Vehicle ID: 10VAL237
Act 90 Decal: WH15877
Customer: POSILLICO ENVIRONMENTAL

Facility Approval#: 143100307
Job Name: City of Glen Cove IDA-L. Tung
Job Address: 45 Herb Hill Road
Glen Cove, NY 11542

Generator: City of Glen Cove IDA
Gen Address: 9 Glen St.
Glen Cove, NY 11542

Origin	Materials & Services	Quantity	Unit
Nassau	Soil Treatment	26.47	Tns

Storage Area: Area 5
Comment:

Driver:

Facility:
Bay, Clifford H 67116

Original: Customer Copy - Carbon Copies: Void-Customer do not accept

(12)

CLEANEARTH

Manifest # 1062564

GLOBAL JOB NUMBER: 135145 **FACILITY APPROVAL NUMBER:** 143100307

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☒ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

Acct Eq # WH15877

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
City of Glen Cove IDA	☒ Tons ☐ Yards	
Herb Hill Road	TARE WEIGHT:	
Glen Cove, NY 11542	☒ Tons ☐ Yards	14.88
GENERATOR'S PHONE: 516-676-1625	NET WEIGHT: ☒ Tons ☐ Yards	26.47

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Petroleum-Contaminated Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Myralse Machol Title: IDA Administrative Director

Signature: Myralse Machol Date and Time: 11/18/14 0845

TRANSPORTER

Company: Valiant Contracting Phone Number:

Address: 173 Howard Blvd. NJ Truck # and License Plate: 237 - AR914E

Driver: Efram V. (Type or Print Clearly) SW Haulers Permit #: WH15877 (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 11-18-14

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 11-18-14

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 11-18-14

GENERATOR

Clean Earth of Philadelphia
3201 South 61st Street
Philadelphia, PA 19153
Ph: (215) 724-5520 Fax: (215) 724-2939

Ticket: 700000152712

	Date	Time	Scale
In:	11/18/2014	12:08:23	Scale CE
Out:	11/18/2014	12:09:04	P.T.

	Lbs	Tns
Gross:	90900	45.45
Tare:	26920	13.46
Net:	63980	31.99

Manifest: 1062565
Vehicle ID: 10TEV26
Act 90 Decal: WH1548
Customer: POSILLICO ENVIRONMENTAL

Facility Approval#: 143100307

Generator: City of Glen Cove IDA
Gen Address: 9 Glen St.
Glen Cove, NY 11542

Job Name: City of Glen Cove IDA-L. Tung
Job Address: 45 Herb Hill Road
Glen Cove, NY 11542

Origin	Materials & Services	Quantity	Unit
Nassau	Soil Treatment	31.99	Tns

Storage Area: Area 5
Comment:

Driver:

Facility:
Jay, Clifford H 67116

Original: Customer Copy - Carbon Copies: Void-Customer do not accept

CLEANEARTH

Manifest # 1062565

GLOBAL JOB NUMBER: 135145 **FACILITY APPROVAL NUMBER:** 143100307

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☒ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Acted WH1548

GENERATOR'S NAME & SITE ADDRESS: City of Glen Cove IDA, Herb Hill Road, Glen Cove, NY 11542	GROSS WEIGHT: ☒ Tons ☐ Yards	
	TARE WEIGHT: ☒ Tons ☐ Yards	13.46
GENERATOR'S PHONE: 516-676-1625	NET WEIGHT: ☒ Tons ☐ Yards	31.99

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Petroleum-Contaminated Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Myrake Machol Title: IDA Administrative Director

Signature: Myrake Machol Date and Time: 11/18/14 0851

TRANSPORTER

Company: TEV Phone Number: 9734651272

Address: Port Newark Truck # and License Plate: TEV 26 NS406B

Driver: Randall Pereira (Type or Print Clearly) SW Haulers Permit #: 1548 (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 11/18/14

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time: 11/18/14

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 11-18-14

GENERATOR

Clean Earth of Philadelphia
3201 South 61st Street
Philadelphia, PA 19153
Ph: (215) 724-5520 Fax: (215) 724-2939

Ticket: 700000152713

	Date	Time	Scale
In:	11/18/2014	12:09:46	Scale CE
Out:	11/18/2014	12:10:22	P.T.

Manifest: 1062561
Vehicle ID: 10TEV5
Act 90 Decal: WH1548
Customer: POSILLICO ENVIRONMENTAL

	Lbs	Tns
Gross:	79160	39.58
Tare:	28080	14.04
Net:	51080	25.54

Facility Approval#: 143100307
Job Name: City of Glen Cove IDA-L. Tung
Job Address: 45 Herb Hill Road
Glen Cove, NY 11542

Generator: City of Glen Cove IDA
Gen Address: 9 Glen St.
Glen Cove, NY 11542

Origin	Materials & Services	Quantity	Unit
Nassau	Soil Treatment	25.54	Tns

Storage Area: Area 5
Comment:

Driver: _____

Facility: _____
Jay, Clifford H 67116

Original: Customer Copy - Carbon Copies: Void-Customer do not accept

(9)

CLEANEARTH

Manifest # 1062561

GLOBAL JOB NUMBER: 135145 **FACILITY APPROVAL NUMBER:** 143100307

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☒ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Acct 90th #1548

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
City of Glen Cove IDA	☒ Tons ☐ Yards	
Herb Hill Road	TARE WEIGHT:	
Glen Cove, NY 11542	☒ Tons ☐ Yards	14.04
GENERATOR'S PHONE: 516-676-1625	NET WEIGHT: ☒ Tons ☐ Yards	25.54

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Petroleum-Contaminated Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Myralee Machol Title: IDA Administrative Director

Signature: Myralee Machol Date and Time: 11/18/14 08 24

TRANSPORTER

Company: TEV Corporation Phone Number: 973-465-1274

Address: 132 Calcutta St Newark NJ Truck # and License Plate: AR240 E # N.J

Driver: Euro Sanchez SW Haulers Permit #: #5

(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 11-18-14

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 11-18-14

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 11-18-14

Clean Earth of Philadelphia
3201 South 61st Street
Philadelphia, PA 19153
Ph: (215) 724-5520 Fax: (215) 724-2939

Ticket: 700000152747

	Date	Time	Scale
In:	11/18/2014	12:11:55	Scale CE
Out:	11/18/2014	12:35:31	Scale CE

	Lbs	Tns
Gross:	84400	42.20
Tare:	28240	14.12
Net:	56160	28.08

Manifest: 1062562
Vehicle ID: 10BL724
Act 90 Decal: WH10261
Customer: POSILLICO ENVIRONMENTAL

Facility Approval#: 143100307
Generator: City of Glen Cove IDA
Gen Address: 9 Glen St.
Glen Cove, NY 11542

Job Name: City of Glen Cove IDA-L. Tung
Job Address: 45 Herb Hill Road
Glen Cove, NY 11542

Origin	Materials & Services	Quantity	Unit
Nassau	Soil Treatment	28.08	Tns

Storage Area: Area 5
Comment:

Driver:

Facility:
Jay, Clifford H 67116

Original: Customer Copy - Carbon Copies: Void-Customer do not accept

(10)

CLEANEARTH

Manifest # 1062562

GLOBAL JOB NUMBER: 135145 **FACILITY APPROVAL NUMBER:** 143100307

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☒ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Alt 96 # WH 10261

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
City of Glen Cove IDA	☒ Tons ☐ Yards	
Herb Hill Road	TARE WEIGHT:	
Glen Cove, NY 11542	☒ Tons ☐ Yards	14.12
GENERATOR'S PHONE: 516-676-1625	NET WEIGHT: ☒ Tons ☐ Yards	28.08

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Petroleum-Contaminated Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Myralee Machol Title: IDA Administrative Director

Signature: Myralee Machol Date and Time: 11/18/14

TRANSPORTER

Company: TEV Trucking - BL Phone Number:

Address: 182 Calcutta St Newark Truck # and License Plate: AS 148D # 724

Driver: Gigi (Type or Print Clearly) SW Haulers Permit #: WH 10261 (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 11-18/14

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 11-18/14

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 11-18-14

GENERATOR

Clean Earth of Philadelphia
[illegible] South 61st Street
Philadelphia, PA 19153
Ph: (215) 724-5520 Fax: (215) 724-2939

Ticket: 700000152882

	Date	Time	Scale
In:	11/18/2014	14:12:38	Scale CE
Out:	11/18/2014	14:13:19	P.T.

	Lbs	Tns
Gross:	87320	43.66
Tare:	25920	12.96
Net:	61400	30.70

Manifest: 1062566
Vehicle ID: 10TEV16
Act 90 Decal: WH1548
Customer: POSILLICO ENVIRONMENTAL

Facility Approval#: 143100307

Generator: City of Glen Cove IDA
Gen Address: 9 Glen St.
Glen Cove, NY 11542

Job Name: City of Glen Cove IDA-L. Tung
Job Address: 45 Herb Hill Road
Glen Cove, NY 11542

Origin	Materials & Services	Quantity	Unit
Nassau	Soil Treatment	30.70	Tns

Storage Area: Area 5
Comment:

Driver: _____

Facility: _____
Jay, Clifford M 67116

Original: Customer Copy - Carbon Copies: Void-Customer do not accept

(4)

CLEANEARTH

Manifest # 1062566

GLOBAL JOB NUMBER: 135145 **FACILITY APPROVAL NUMBER:** 143100307

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☒ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Acceptance # M+1548

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
City of Glen Cove IDA	☒ Tons ☐ Yards	
Herb Hill Road	TARE WEIGHT:	
Glen Cove, NY 11542	☒ Tons ☐ Yards	12.96
GENERATOR'S PHONE: 516-676-1625	NET WEIGHT: ☒ Tons ☐ Yards	30.70

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Petroleum-Contaminated Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Myralee Machol Title: IDA Administrative Director

Signature: Myralee Machol Date and Time: 11/18/14 0854

TRANSPORTER

Company: TEV Corp Phone Number:

Address: 182 Calcutta St. Newark Truck # and License Plate: #16 AP331E

Driver: Vincent Bongiovanni (Type or Print Clearly) SW Haulers Permit #: 662 636 494 (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 11/18/14

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 11/18/14

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 11-18-14

GENERATOR

Clean Earth of Philadelphia
3201 South 61st Street
Philadelphia, PA 19153
Ph: (215) 724-5520 Fax: (215) 724-2939

Ticket: 700000152902

	Date	Time	Scale
In:	11/18/2014	14:16:18	Scale CE
Out:	11/18/2014	14:27:07	Scale CE

******** Reprinted Ticket - Edited ********

	Lbs	Tns
Gross:	85880	42.94
Tare:	28400	14.20
Net:	57480	28.74

Manifest: 1062568
Vehicle ID: 10TEV34
Act 90 Decal: WH1548
Customer: POSILLICO ENVIRONMENTAL

Facility Approval#: 143100307
Job Name: City of Glen Cove IDA-L. Tung
Job Address: 45 Herb Hill Road
Glen Cove, NY 11542

Generator: City of Glen Cove IDA
Gen Address: 9 Glen St.
Glen Cove, NY 11542

Origin	Materials & Services	Quantity	Unit
Nassau	Soil Treatment	28.74	Tns

Storage Area: Area 5
Comment:

Driver:

Facility: Jay, Clifford H 67116

Original: Customer Copy - Carbon Copies: Void-Customer do not accept

(16)

CLEANEARTH

Manifest # 1062568

GLOBAL JOB NUMBER: 135145 FACILITY APPROVAL NUMBER: 143100307

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☒ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

ALT 90# Wt 1548

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	
City of Glen Cove IDA		
Herb Hill Road	TARE WEIGHT: ☒ Tons ☐ Yards	14.20 ~~15.35~~
Glen Cove, NY 11542		
GENERATOR'S PHONE: 516-676-1625	NET WEIGHT: ☒ Tons ☐ Yards	28.74 ~~27.59~~

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Petroleum-Contaminated Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Myralee Machal Title: IDA Admin Director

Signature: Myralee Machal Date and Time: 11/18/14 0948

TRANSPORTER

Company: TEV Phone Number: 973-525-9841

Address: 182 CALCUTTA St Newark Truck # and License Plate: 34 AP536U

Driver: JULIO SOSA (Type or Print Clearly) SW Haulers Permit #: 662 (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time:

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 11-18-14

Clean Earth of Philadelphia
3201 South 61st Street
Philadelphia, PA 19153
Ph: (215) 724-5520 Fax: (215) 724-2939

Ticket: 7000052943

	Date	Time	Scale
In:	11/18/2014	15:02:29	Scale CE
Out:	11/18/2014	15:05:21	P.T.

	Lbs	Tns
Gross:	85160	42.58
Tare:	28020	14.01
Net:	57140	28.57

Manifest: 1062569
Vehicle ID: 10TEV11
Act 90 Decal: WH1548
Customer: POSILLICO ENVIRONMENTAL

Facility Approval#: 143100307
Job Name: City of Glen Cove IDA-L. Tung
Job Address: 45 Herb Hill Road
Glen Cove, NY 11542

Generator: City of Glen Cove IDA
Gen Address: 9 Glen St.
Glen Cove, NY 11542

Origin	Materials & Services	Quantity	Unit
Nassau	Soil Treatment	28.57	Tns

Storage Area: Area 5
Comment:

Driver:

Facility:
Jay, Clifford H 67116

Original: Customer Copy - Carbon Copies: Void-Customer do not accept

CLEANEARTH

Manifest # 1062569

GLOBAL JOB NUMBER: 135145 **FACILITY APPROVAL NUMBER:** 143100307

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☒ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Ar 790 # hit 1548

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
City of Glen Cove IDA	☒ Tons ☐ Yards	
Herb Hill Road	TARE WEIGHT:	
Glen Cove, NY 11542	☒ Tons ☐ Yards	14.01
GENERATOR'S PHONE: 516-676-1625	NET WEIGHT: ☒ Tons ☐ Yards	28.57

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Petroleum-Contaminated Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Myralee Machol Title: IDA Admin. Director

Signature: Myralee Machol Date and Time: 11/18/14 1037

TRANSPORTER

Company: TEV Phone Number:

Address: 182 CALCUTTA DR Truck # and License Plate: 11 / ASHDSB

Driver: Wellington Da Silva (Type or Print Clearly) SW Haulers Permit #: NJ 662 (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 11/18/14

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 11/18/14

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 11-18-14

GENERATOR

Clean Earth of Philadelphia
3201 South 61st Street
Philadelphia, PA 19153
Ph: (215) 724-5520 Fax: (215) 724-2939

Ticket: 700000152541

	Date	Time	Scale
In:	11/18/2014	10:33:15	Scale CE
Out:	11/18/2014	10:33:48	P.T.

	Lbs	Tns
Gross:	89420	44.71
Tare:	27820	13.91
Net:	61600	30.80

Manifest: 1062553
Vehicle ID: 10VAL225
Act 90 Decal: WH15877
Customer: POSILLICO ENVIRONMENTAL

Facility Approval#: 143100307
Job Name: City of Glen Cove IDA-L. Tung
Job Address: 45 Herb Hill Road
Glen Cove, NY 11542

Generator: City of Glen Cove IDA
Gen Address: 9 Glen St.
Glen Cove, NY 11542

Origin	Materials & Services	Quantity	Unit
Nassau	Soil Treatment	30.80	Tns

Storage Area: Area 5
Comment:

Driver: _____

Facility: _____
Jay, Clifford H 67116

Original: Customer Copy - Carbon Copies: Void-Customer do not accept

sRpPrfGTN.rpt

Profile: 143100307
Site ID: 310

Clean Earth of Philadelphia

Profile GTN

Transactions from 11/24/2014 through 11/24/2014
Inbound Tickets Only
Third Party and Intercompany Customers
Sent and Unsent Tickets
Full Details

11/25/2014
8:45AM
User ID: CEI\JROBERTS

Ticket	Date	Truck	In / Out	Manifest	Customer	Gross	Tare	Net
143100307 - City of Glen Cove IDA-L. Tungsten					Global Job Number: 135145			
700000156347	11/24/14	10VAL225	I	1062570	BLU760-POSILLICO ENVIRONMENTAL	44.48	13.91	30.57
700000156361	11/24/14	10JSL013	I	1062572	BLU760-POSILLICO ENVIRONMENTAL	39.65	14.02	25.63
700000156378	11/24/14	10TEV6	I	1062573	BLU760-POSILLICO ENVIRONMENTAL	37.09	14.05	23.04
700000156381	11/24/14	10TEV26	I	1062574	BLU760-POSILLICO ENVIRONMENTAL	36.11	13.46	22.65
700000156389	11/24/14	10JSL019	I	1062571	BLU760-POSILLICO ENVIRONMENTAL	39.20	13.90	25.30
700000156418	11/24/14	10VAL237	I	1062577	BLU760-POSILLICO ENVIRONMENTAL	44.69	14.88	29.81
700000156574	11/24/14	10VAL224	I	1062585	BLU760-POSILLICO ENVIRONMENTAL	45.74	13.92	31.82
700000156577	11/24/14	10SDT78	I	1062575	BLU760-POSILLICO ENVIRONMENTAL	43.37	14.26	29.11
700000156584	11/24/14	10TEV7	I	1062580	BLU760-POSILLICO ENVIRONMENTAL	38.75	13.17	25.58
700000156588	11/24/14	10CV052	I	1062576	BLU760-POSILLICO ENVIRONMENTAL	40.58	13.85	26.73
700000156592	11/24/14	10VAL235	I	1062578	BLU760-POSILLICO ENVIRONMENTAL	47.65	14.06	33.59
700000156595	11/24/14	10JSL001	I	1062583	BLU760-POSILLICO ENVIRONMENTAL	47.40	13.98	33.42
700000156598	11/24/14	10TEV2	I	1062579	BLU760-POSILLICO ENVIRONMENTAL	39.48	14.00	25.48
700000156602	11/24/14	10BL724	I	1062581	BLU760-POSILLICO ENVIRONMENTAL	41.92	14.12	27.80
700000156605	11/24/14	10CV054	I	1062582	BLU760-POSILLICO ENVIRONMENTAL	37.96	13.88	24.08
700000156609	11/24/14	10TEV34	I	1062584	BLU760-POSILLICO ENVIRONMENTAL	45.73	14.22	31.51
143100307 - City of Glen Cove IDA-L. Tungsten								446.12
16 tickets								

Report Grand Totals

446.12

16 tickets

Clean Earth of Philadelphia
3201 South 61st Street
Philadelphia, PA 19153
Ph: (215) 724-5520 Fax: (215) 724-2939

Ticket: 200050156347

	Date	Time	Scale
In:	11/24/2014	10:59:03	Scale CE
Out:	11/24/2014	10:59:52	P.T.

	Lbs	Tns
Gross:	88960	44.48
Tare:	27820	13.91
Net:	61140	30.57

Manifest: 1062570
Vehicle ID: 10VAL225
Act 90 Decal: WH15877
Customer: POSILLICO ENVIRONMENTAL

Facility Approval#: 143100307

Generator: City of Glen Cove IDA
Gen Address: 9 Glen St.
Glen Cove, NY 11542

Job Name: City of Glen Cove IDA-L. Tung
Job Address: 45 Herb Hill Road
Glen Cove, NY. 11542

Origin	Materials & Services	Quantity	Unit
Nassau	Soil Treatment	30.57	Tns

Storage Area: Area 5
Comment:

Driver: _____

Facility: _____
Jay, Clifford H 67116

Original: Customer Copy - Carbon Copies: Void-Customer do not accept

#225

Manifest # 1062570

CLEANEARTH

GLOBAL JOB NUMBER: 135145

FACILITY APPROVAL NUMBER: 143100307

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☒ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other

Non-Hazardous Material Manifest

Acct # WH15877

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	
City of Glen Cove IDA Herb Hill Road Glen Cove, NY 11542	TARE WEIGHT: ☒ Tons ☐ Yards	13.91
GENERATOR'S PHONE: 516-676-1625	NET WEIGHT: ☒ Tons ☐ Yards	30.57

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Petroleum-Contaminated Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Myralee Machel

Title: IDA Admin. Director

Signature: Myralee Machel

Date and Time: 11/24/14 0726

TRANSPORTER

Company: Valiant Contr.

Address: 123 Howard Blvd Ledgewood NJ

Driver: William C (Type or Print Clearly)

Phone Number: 973 234-5668

Truck # and License Plate: 225 AP801U NJ

SW Haulers Permit #: (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature]

Date and Time: 11/24/14

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature]

Date and Time: 11/24/14

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature]

Date and Time: 11-24-14

Clean Earth of Philadelphia
3201 South 61st Street
Philadelphia, PA 19153
Ph: (215) 724-5520 Fax: (215) 724-2939

Ticket: 700000156361

	Date	Time	Scale
In:	11/24/2014	11:09:56	Scale CE
Out:	11/24/2014	11:10:33	P.T.

Manifest: 1062572
Vehicle ID: 10JSL013
Act 90 Decal: WH15947
Customer: POSILLICO ENVIRONMENTAL

	Lbs	Tns
Gross:	79300	39.65
Tare:	28040	14.02
Net:	51260	25.63

Facility Approval#: 143100307
Job Name: City of Glen Cove IDA-L. Tung
Job Address: 45 Herb Hill Road
Glen Cove, NY 11542

Generator: City of Glen Cove IDA
Gen Address: 9 Glen St.
Glen Cove, NY 11542

Origin	Materials & Services	Quantity	Unit
Nassau	Soil Treatment	25.63	Tns

Storage Area: Area 5
Comment:

Driver:

Facility:
Jay, Clifford H 67116

Original: Customer Copy - Carbon Copies: Void-Customer do not accept

CLEANEARTH

Manifest # 1062572

GLOBAL JOB NUMBER: 135145 **FACILITY APPROVAL NUMBER:** 143100307

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☒ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

AC19 5 WH 15947

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
City of Glen Cove IDA	☒ Tons ☐ Yards	
Herb Hill Road	TARE WEIGHT:	
Glen Cove, NY 11542	☒ Tons ☐ Yards	14.02
GENERATOR'S PHONE: 516-676-1625	NET WEIGHT: ☒ Tons ☐ Yards	25.63

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Petroleum-Contaminated Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Myralee Machol Title: IDA Admin Director

Signature: Myralee Machol Date and Time: 11/24/14

TRANSPORTER

Company: J.S.L. - Valliant. Phone Number:

Address: 117 BLR. Lakeview Truck # and License Plate: #13 - AR173e

Driver: Juan. SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 11-24-14

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 11-24-14

Clean Earth of Philadelphia
3201 South 61st Street
Philadelphia, PA 19153
Ph: (215) 724-5520 Fax: (215) 724-2939

Ticket: 700000156378

	Date	Time	Scale
In:	11/24/2014	11:22:05	Scale CE
Out:	11/24/2014	11:22:27	P.T.

	Lbs	Tns
Gross:	74180	37.09
Tare:	28100	14.05
Net:	46080	23.04

Manifest: 1062573
Vehicle ID: 10TEV6
Act 90 Decal: WH1548
Customer: POSILLICO ENVIRONMENTAL

Facility Approval #: 143100307

Generator: City of Glen Cove IDA
Gen Address: 9 Glen St.
Glen Cove, NY 11542

Job Name: City of Glen Cove IDA-L. Tung
Job Address: 45 Herb Hill Road
Glen Cove, NY 11542

Origin	Materials & Services	Quantity	Unit
Nassau	Soil Treatment	23.04	Tns

Storage Area: Area 5
Comment:

Driver:

Facility:
Jay, Clifford H 67116

Original: Customer Copy - Carbon Copies: Void-Customer do not accept

CLEANEARTH

Manifest # 1062573

GLOBAL JOB NUMBER: 135145 **FACILITY APPROVAL NUMBER:** 143100307

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☒ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Act 90 Lot 1548

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
City of Glen Cove IDA	☒ Tons ☐ Yards	
Herb Hill Road	TARE WEIGHT:	
Glen Cove, NY 11542	☒ Tons ☐ Yards	14.05
GENERATOR'S PHONE: 516-676-1625	NET WEIGHT: ☒ Tons ☐ Yards	23.04

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Petroleum-Contaminated Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Myraleg Machol Title: IDA Admin. Director

Signature: Myraleg Machol Date and Time: 11/24/14 0747

TRANSPORTER

Company: TEN #6 Phone Number:

Address: 182 Calcutta St Port Newark Truck # and License Plate: AR492G #6

Driver: Eric Delgado (Type or Print Clearly) SW Haulers Permit #: (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 11-24-14

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time: 11-24-14

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 11-24-14

Clean Earth of Philadelphia
3201 South 61st Street
Philadelphia, PA 19153
Ph: (215) 724-5520 Fax: (215) 724-2939

Ticket: 700000156381

	Date	Time	Scale
In:	11/24/2014	11:23:24	Scale CE
Out:	11/24/2014	11:23:55	P.T.

	Lbs	Tns
Gross:	72220	36.11
Tare:	26920	13.46
Net:	45300	22.65

Manifest: 1062574
Vehicle ID: 10TEV26
Act 90 Decal: WH1548
Customer: POSILLICO ENVIRONMENTAL

Facility Approval#: 143100307

Generator: City of Glen Cove IDA
Gen Address: 9 Glen St.
Glen Cove, NY 11542

Job Name: City of Glen Cove IDA-L. Tung
Job Address: 45 Herb Hill Road
Glen Cove, NY 11542

Origin	Materials & Services	Quantity	Unit
Nassau	Soil Treatment	22.65	Tns

Storage Area: Area 5
Comment:

Driver:

Facility:
Jay, Clifford H 67116

Original: Customer Copy - Carbon Copies: Void-Customer do not accept

CLEANEARTH

Manifest # 1062574

GLOBAL JOB NUMBER: 135145 **FACILITY APPROVAL NUMBER:** 143100307

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☒ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

ACT 90 # WH1548

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
City of Glen Cove IDA	☒ Tons ☐ Yards	
Herb Hill Road	TARE WEIGHT:	
Glen Cove, NY 11542	☒ Tons ☐ Yards	13.46
GENERATOR'S PHONE: 516-676-1625	NET WEIGHT: ☒ Tons ☐ Yards	22.65

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Petroleum-Contaminated Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Myralee Machol Title: IDA Admin. Director

Signature: Myralee Machol Date and Time: 11/24/14 0755

TRANSPORTER

Company: TEV Phone Number:

Address: Port Newark Truck # and License Plate: TEV26 AS406B

Driver: Randall Pereira SW Haulers Permit #: 1548

(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 11/24/14

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 11/24/14

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 11-24-14

GENERATOR

Clean Earth of Philadelphia
3201 South 61st Street
Philadelphia, PA 19153
Ph: (215) 724-5520 Fax: (215) 724-2939

Ticket: 700000156389

	Date	Time	Scale
In:	11/24/2014	11:29:21	Scale CE
Out:	11/24/2014	11:29:46	P.T.

Manifest: 1062571
Vehicle ID: 10JSL019
Act 90 Decal: WH15947
Customer: POSILLICO ENVIRONMENTAL

	Lbs	Tns
Gross:	78400	39.20
Tare:	27800	13.90
Net:	50600	25.30

Facility Approval#: 143100307

Generator: City of Glen Cove IDA
Gen Address: 9 Glen St.
Glen Cove, NY 11542

Job Name: City of Glen Cove IDA-L. Tung
Job Address: 45 Herb Hill Road
Glen Cove, NY 11542

Origin	Materials & Services	Quantity	Unit
Nassau	Soil Treatment	25.30	Tns

Storage Area: Area 5
Comment:

Driver:

Facility:
Jay, Clifford H 67116

Original: Customer Copy - Carbon Copies: Void-Customer do not accept

CLEANEARTH

Manifest # 1062571

GLOBAL JOB NUMBER: 135145 **FACILITY APPROVAL NUMBER:** 143100307

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☒ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Acct 90 # 15947

GENERATOR'S NAME & SITE ADDRESS: City of Glen Cove IDA, Herb Hill Road, Glen Cove, NY 11542	GROSS WEIGHT: ☒ Tons ☐ Yards	
	TARE WEIGHT: ☒ Tons ☐ Yards	13.90
GENERATOR'S PHONE: 516-676-1625	NET WEIGHT: ☒ Tons ☐ Yards	25.30

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Petroleum-Contaminated Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Myralee Machel Title: IDA Admin. Director

Signature: Myralee Machel Date and Time: 11/24/14 0734

TRANSPORTER

Company: JSL Phone Number: 862 579 8129

Address: Dover Truck # and License Plate: AP 196 E A 19

Driver: Juan Restoro SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time:

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 11-24-14

GENERATOR

Ticket: 700000156574

Clean Earth of Philadelphia
3201 South 61st Street
Philadelphia, PA 19153
Ph: (215) 724-5520 Fax: (215) 724-2939

	Date	Time	Scale
In:	11/24/2014	13:51:11	Scale CE
Out:	11/24/2014	13:51:28	P.T.

	Lbs	Tns
Gross:	91480	45.74
Tare:	27840	13.92
Net:	63640	31.82

Manifest: 1062585
Vehicle ID: 10VAL224
Act 90 Decal: WH15877
Customer: POSILLICO ENVIRONMENTAL

Facility Approval#: 143100307
Job Name: City of Glen Cove IDA-L. Tung
Job Address: 45 Herb Hill Road
Glen Cove, NY 11542

Generator: City of Glen Cove IDA
Gen Address: 9 Glen St.
Glen Cove, NY 11542

Origin	Materials & Services	Quantity	Unit
Nassau	Soil Treatment	31.82	Tns

Storage Area: Area 5
Comment:

Driver: Cabrera

Facility: Jay, Clifford H 67116

Original: Customer Copy - Carbon Copies: Void-Customer do not accept

CLEANEARTH

Manifest # 1062577

GLOBAL JOB NUMBER: 135145 **FACILITY APPROVAL NUMBER:** 143100307

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☒ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Act 90 # 15877

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
City of Glen Cove IDA	☒ Tons ☐ Yards	
Herb Hill Road	TARE WEIGHT:	
Glen Cove, NY 11542	☒ Tons ☐ Yards	14.88
GENERATOR'S PHONE: 516-676-1625	NET WEIGHT: ☒ Tons ☐ Yards	29.81

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Petroleum-Contaminated Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Myralee Machol Title: IDA Admin. Director

Signature: Myralee Machol Date and Time: 11/24/14 0815

TRANSPORTER

Company: Valiant Contracting

Address: 117 Lakeside Blvd Landing Efrain

Driver: (Type or Print Clearly)

Phone Number:

Truck # and License Plate: 237 - AR 914 E

SW Haulers Permit #: WH 15877 (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 11-24-14

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time: 11-24-14

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 11-24-14

GENERATOR

Clean Earth of Philadelphia
3201 South 61st Street
Philadelphia, PA 19153
Ph: (215) 724-5520 Fax: (215) 724-2939

Ticket: 700000156577

	Date	Time	Scale
In:	11/24/2014	13:52:55	Scale CE
Out:	11/24/2014	13:53:32	P.T.

	Lbs	Tns
Gross:	86740	43.37
Tare:	28520	14.26
Net:	58220	29.11

Manifest: 1062575
Vehicle ID: 10SDT78
Act 90 Decal: WH16607
Customer: POSILLICO ENVIRONMENTAL

Facility Approval#: 143100307
Job Name: City of Glen Cove IDA-L. Tung
Job Address: 45 Herb Hill Road
Glen Cove, NY 11542

Generator: City of Glen Cove IDA
Gen Address: 9 Glen St.
Glen Cove, NY 11542

Origin	Materials & Services	Quantity	Unit
Nassau	Soil Treatment	29.11	Tns

Storage Area: Area 5
Comment:

Driver:

Facility:
Jay, Clifford 11/67/16

Original: Customer Copy - Carbon Copies: Void-Customer do not accept

CLEANEARTH

Manifest # 1062585

GLOBAL JOB NUMBER: 135145 **FACILITY APPROVAL NUMBER:** 143100307

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☒ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other

Non-Hazardous Material Manifest

Alt 90 #11-115877

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	
City of Glen Cove IDA		
Herb Hill Road	TARE WEIGHT: ☒ Tons ☐ Yards	13.92
Glen Cove, NY 11542		
GENERATOR'S PHONE: 516-676-1625	NET WEIGHT: ☒ Tons ☐ Yards	31.87

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Petroleum-Contaminated Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Myrake Machol Title: IDA Admin. Director

Signature: Myrake Machol Date and Time: 11/24/14 0927

TRANSPORTER

Company: VALIANT Phone Number: 973-445-7816

Address: 130 Howard Blvd Lodgewood NJ Truck # and License Plate: AS2300 #224

Driver: Eduardo (Type or Print Clearly) SW Haulers Permit #: (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Eduardo Date and Time: 11-24-14

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Eduardo Date and Time: 11-24-14

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 11-24-14

GENERATOR

CLEANEARTH

Manifest # 1062575

GLOBAL JOB NUMBER: 135145 **FACILITY APPROVAL NUMBER:** 143100307

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☒ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

AL790 WH16607

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	
City of Glen Cove IDA		
Herb Hill Road	TARE WEIGHT: ☒ Tons ☐ Yards	14.26
Glen Cove, NY 11542		
GENERATOR'S PHONE: 516-676-1625	NET WEIGHT: ☒ Tons ☐ Yards	29.11

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Petroleum-Contaminated Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Myralee Machol Title: IDA Admin. Director

Signature: Myralee Machol Date and Time: 11/24/14 0800

TRANSPORTER

Company: SDT/Valiant Phone Number:

Address: 123 Howard Blvd Truck # and License Plate: 78 AP797Y

Driver: Steve Tripod SW Haulers Permit #: WH 16607

(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 11/24/14

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: 11-24-14

GENERATOR

Clean Earth of Philadelphia
3201 South 61st Street
Philadelphia, PA 19153
Ph: (215) 724-5520 Fax: (215) 724-2939

Ticket: 700000156584

	Date	Time	Scale
In:	11/24/2014	14:00:30	Scale CE
Out:	11/24/2014	14:01:03	P.T.

	Lbs	Tns
Gross:	77500	38.75
Tare:	26340	13.17
Net:	51160	25.58

Manifest: 1062580
Vehicle ID: 10TEV7
Act 90 Decal: WH1548
Customer: POSILLICO ENVIRONMENTAL

Facility Approval#: 143100307

Generator: City of Glen Cove IDA
Gen Address: 9 Glen St.
Glen Cove, NY 11542

Job Name: City of Glen Cove IDA-L. Tung
Job Address: 45 Herb Hill Road
Glen Cove, NY 11542

Origin	Materials & Services	Quantity	Unit
Nassau	Soil Treatment	25.58	Tns

Storage Area: Area 5
Comment:

Driver:

Facility:
Jay, Clifford H 67116

Original: Customer Copy - Carbon Copies: Void-Customer do not accept

CLEANEARTH

Manifest # 1062580

GLOBAL JOB NUMBER: 135145 **FACILITY APPROVAL NUMBER:** 143100307

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☒ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other

Non-Hazardous Material Manifest

AC790 # WH1548

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: City of Glen Cove IDA, Herb Hill Road, Glen Cove, NY 11542	GROSS WEIGHT: ☒ Tons ☐ Yards	
	TARE WEIGHT: ☒ Tons ☐ Yards	13.17
GENERATOR'S PHONE: 516-676-1625	NET WEIGHT: ☒ Tons ☐ Yards	25.58

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Petroleum-Contaminated Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Myrtle Mackol Title: IDA Admin. Director

Signature: [signature] Date and Time: 11/24/14 0837

TRANSPORTER

Company: TEV Phone Number: 973-465-1272

Address: 182 Calcutta St. Truck # and License Plate: #7 AR493G

Driver: Steven Cabrya SW Haulers Permit #: WH1548

(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 11-24-14

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 11-24 14

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 11-24-14

GENERATOR

Clean Earth of Philadelphia
3201 South 61st Street
Philadelphia, PA 19153
Ph: (215) 724-5520 Fax: (215) 724-2939

Ticket: 700000156588

	Date	Time	Scale
In:	11/24/2014	14:04:01	Scale CE
Out:	11/24/2014	14:04:31	P.T.

Manifest: 1062576
Vehicle ID: 10CV052
Act 90 Decal: WH7900
Customer: POSILLICO ENVIRONMENTAL

	Lbs	Tns
Gross:	81160	40.58
Tare:	27700	13.85
Net:	53460	26.73

Facility Approval#: 143100307
Job Name: City of Glen Cove IDA-L. Tung
Job Address: 45 Herb Hill Road
Glen Cove, NY 11542

Generator: City of Glen Cove IDA
Gen Address: 9 Glen St.
Glen Cove, NY 11542

Origin	Materials & Services	Quantity	Unit
Nassau	Soil Treatment	26.73	Tns

Storage Area: Area 5
Comment:

Driver: Velzont

Facility: Jay, Clifford H 67116

Original: Customer Copy - Carbon Copies: Void-Customer do not accept

CLEANEARTH

Manifest # 1062576

GLOBAL JOB NUMBER: 135145 **FACILITY APPROVAL NUMBER:** 143100307

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☒ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Hz 795 Th H 7900

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
City of Glen Cove IDA	☒ Tons ☐ Yards	
Herb Hill Road	TARE WEIGHT:	
Glen Cove, NY 11542	☒ Tons ☐ Yards	13.85
GENERATOR'S PHONE: 516-676-1625	NET WEIGHT: ☒ Tons ☐ Yards	26.73

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Petroleum-Contaminated Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Myralee Mochol Title: IDA Admin. Director

Signature: Myralee Mochol Date and Time: 11/24/14 0808

TRANSPORTER

Company: CV - TEV Phone Number:

Address: PORT NWRK. NJ Truck # and License Plate: #52-AS402B-NJ

Driver: NELSON J. SW Haulers Permit #:

Clean Earth of Philadelphia
3201 South 61st Street
Philadelphia, PA 19153
Ph: (215) 724-5520 Fax: (215) 724-2939

Ticket: 700000156592

	Date	Time	Scale
In:	11/24/2014	14:05:50	Scale CE
Out:	11/24/2014	14:06:34	P.T.

	Lbs	Tns
Gross:	95300	47.65
Tare:	28120	14.06
Net:	67180	33.59

Manifest: 1062578
Vehicle ID: 10VAL235
Act 90 Decal: WH15877
Customer: POSILLICO ENVIRONMENTAL

Facility Approval#: 143100307

Generator: City of Glen Cove IDA
Gen Address: 9 Glen St.
Glen Cove, NY 11542

Job Name: City of Glen Cove IDA-L. Tung
Job Address: 45 Herb Hill Road
Glen Cove, NY 11542

Origin	Materials & Services	Quantity	Unit
Nassau	Soil Treatment	33.59	Tns

Storage Area: Area 5
Comment:

Driver: Cesar Bedoya

Facility: Jay, Clifford H 67116

Original: Customer Copy - Carbon Copies: Void-Customer do not accept

CLEANEARTH

Manifest # 1062578

GLOBAL JOB NUMBER: 135145 **FACILITY APPROVAL NUMBER:** 143100307

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☒ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other

Non-Hazardous Material Manifest

(Type or Print Clearly) AL790 # NH15877

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
City of Glen Cove IDA	☒ Tons ☐ Yards	
Herb Hill Road	TARE WEIGHT:	
Glen Cove, NY 11542	☒ Tons ☐ Yards	14.06
GENERATOR'S PHONE: 516-676-1625	NET WEIGHT: ☒ Tons ☐ Yards	33.59

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Petroleum-Contaminated Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Myralea Machol Title: IDA Admin. Director

Signature: Myralea Machol Date and Time: 11/24/14 0824

TRANSPORTER

Company: Valiant Phone Number: #235

Address: Landing - N.J Truck # and License Plate: AP232W-N.J

Driver: Cesar Bedoya SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 11/24/14

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time: 11/24/14

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 11-24-14

GENERATOR

Clean Earth of Philadelphia
3201 South 61st Street
Philadelphia, PA 19153
Ph: (215) 724-5520 Fax: (215) 724-2939

Ticket: 700000156595

	Date	Time	Scale
In:	11/24/2014	14:08:56	Scale CE
Out:	11/24/2014	14:09:27	P.T.

Manifest: 1062583
Vehicle ID: 10JSL001
Act 90 Decal: WH15947
Customer: POSILLICO ENVIRONMENTAL

	Lbs	Tns
Gross:	94800	47.40
Tare:	27960	13.98
Net:	66840	33.42

Facility Approval#: 143100307
Job Name: City of Glen Cove IDA-L. Tung
Job Address: 45 Herb Hill Road
Glen Cove, NY 11542

Generator: City of Glen Cove IDA
Gen Address: 9 Glen St.
Glen Cove, NY 11542

Origin	Materials & Services	Quantity	Unit
Nassau	Soil Treatment	33.42	Tns

Storage Area: Area 5
Comment:

Driver:

Facility:
Jay, Clifford NY 67116

Original: Customer Copy - Carbon Copies: Void-Customer do not accept

CLEANEARTH

Manifest # 1062533

GLOBAL JOB NUMBER: 135145 **FACILITY APPROVAL NUMBER:** 143100307

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☒ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Act 90 # WTS 15947

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
City of Glen Cove IDA	☒ Tons ☐ Yards	
Herb Hill Road	TARE WEIGHT:	
Glen Cove, NY 11542	☒ Tons ☐ Yards	13.98
GENERATOR'S PHONE: 516-676-1625	NET WEIGHT: ☒ Tons ☐ Yards	33.42

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Petroleum-Contaminated Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Myralee Machol Title: IDA Admin. Director

Signature: Myralee Machol Date and Time: 11/24/14 0907

TRANSPORTER

Company: VALIANT/JSL TRUCKING (1) Phone Number:

Address: DOVER Truck # and License Plate: AR 765 C (1)

Driver: JOSE GARCIA SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 11-24-14

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 11-24-14

GENERATOR

Clean Earth of Philadelphia
3201 South 61st Street
Philadelphia, PA 19153
Ph: (215) 724-5520 Fax: (215) 724-2939

Ticket: 700000156598

	Date	Time	Scale
In:	11/24/2014	14:12:02	Scale CE
Out:	11/24/2014	14:12:44	P.T.

Manifest: 1062579
Vehicle ID: 10TEV2
Act 90 Decal: WH1548
Customer: POSILLICO ENVIRONMENTAL

	Lbs	Tns
Gross:	78960	39.48
Tare:	28000	14.00
Net:	50960	25.48

Facility Approval#: 143100307
Job Name: City of Glen Cove IDA-L. Tung
Job Address: 45 Herb Hill Road
Glen Cove, NY 11542

Generator: City of Glen Cove IDA
Gen Address: 9 Glen St.
Glen Cove, NY 11542

Origin	Materials & Services	Quantity	Unit
Nassau	Soil Treatment	25.48	Tns

Storage Area: Area 5
Comment:

Driver: JPW

Facility: Jay, Clifford H 67116

Original: Customer Copy - Carbon Copies: Void-Customer do not accept

~~Gas Wating tin~~ ~~Time~~

CLEANEARTH

Manifest # 1062579

GLOBAL JOB NUMBER: 135145 **FACILITY APPROVAL NUMBER:** 143100307

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☒ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

ALT90 #WH1548

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
City of Glen Cove IDA	☒ Tons ☐ Yards	
Herb Hill Road	TARE WEIGHT:	
Glen Cove, NY 11542	☒ Tons ☐ Yards	14.00
GENERATOR'S PHONE: 516-676-1625	NET WEIGHT: ☒ Tons ☐ Yards	25.48

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Petroleum-Contaminated Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Myrabee Machol Title: IDA Admin. Director

Signature: Myrabee Machol Date and Time: 11/24/14 0830

TRANSPORTER

Company: ~~TEU~~ TEU Phone Number:

Address: Newark NJ Truck # and License Plate: #2-AR237E

Driver: Joe F Mirand SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: J F M Date and Time: 11-24-14

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 11-24-14

GENERATOR

Clean Earth of Philadelphia
3201 South 61st Street
Philadelphia, PA 19153
Ph: (215) 724-5520 Fax: (215) 724-2939

Ticket: 700000156602

	Date	Time	Scale
In:	11/24/2014	14:14:25	Scale CE
Out:	11/24/2014	14:17:58	Manual W

Manifest: 1062581
Vehicle ID: 10BL724
Act 90 Decal: WH10261
Customer: POSILLICO ENVIRONMENTAL

	Lbs	Tns
Gross:	83840	41.92
Tare:	28240	14.12
Net:	55600	27.80

Generator: City of Glen Cove IDA
Gen Address: 9 Glen St.
Glen Cove, NY 11542

Facility Approval#: 143100307
Job Name: City of Glen Cove IDA-L. Tung
Job Address: 45 Herb Hill Road
Glen Cove, NY 11542

Origin	Materials & Services	Quantity	Unit
Nassau	Soil Treatment	27.80	Tns

Storage Area: Area 5
Comment:

Driver:

Facility:
Jay, Clifford H 67116

Original: Customer Copy - Carbon Copies: Void-Customer do not accept

CLEANEARTH

Manifest # 1062581

GLOBAL JOB NUMBER: 135145 **FACILITY APPROVAL NUMBER:** 143100307

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☒ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

AL790 HH10261

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	
City of Glen Cove IDA		
Herb Hill Road	TARE WEIGHT: ☒ Tons ☐ Yards	14.12
Glen Cove, NY 11542		
GENERATOR'S PHONE: 516-676-1625	NET WEIGHT: ☒ Tons ☐ Yards	27.88

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Petroleum-Contaminated Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Michelle Machol Title: IDA Admin. Director

Signature: Michelle Machol Date and Time: 11/24/14 0853

TRANSPORTER

Company: TEV. BL Trucking Phone Number:

Address: 182 Calcutta St Newark Truck # and License Plate: AS148D # 724

Driver: Gigi (Type or Print Clearly) SW Haulers Permit #: HW 10261 (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 11-24-14

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 11-24-14

GENERATOR

Clean Earth of Philadelphia
3201 South 61st Street
Philadelphia, PA 19153
Ph: (215) 724-5520 Fax: (215) 724-2939

Ticket: 700000156605

	Date	Time	Scale
In:	11/24/2014	14:20:28	Scale CE
Out:	11/24/2014	14:20:52	P.T.

Manifest: 1062582
Vehicle ID: 10CV054
Act 90 Decal: WH7900
Customer: POSILLICO ENVIRONMENTAL

	Lbs	Tns
Gross:	75920	37.96
Tare:	27760	13.88
Net:	48160	24.08

Facility Approval#: 143100307
Job Name: City of Glen Cove IDA-L. Tung
Job Address: 45 Herb Hill Road
Glen Cove, NY 11542

Generator: City of Glen Cove IDA
Gen Address: 9 Glen St.
Glen Cove, NY 11542

Origin	Materials & Services	Quantity	Unit
Nassau	Soil Treatment	24.08	Tns

Storage Area: Area 5
Comment:

Driver:

Facility:
Jay, Clifford H 67116

Original: Customer Copy - Carbon Copies: Void-Customer do not accept

CLEANEARTH

Manifest # 1062582

GLOBAL JOB NUMBER: 135145 **FACILITY APPROVAL NUMBER:** 143100307

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☒ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other

Non-Hazardous Material Manifest

(Type or Print Clearly) ALT 95th W47900

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
City of Glen Cove IDA	☒ Tons ☐ Yards	
Herb Hill Road	TARE WEIGHT:	
Glen Cove, NY 11542	☒ Tons ☐ Yards	13.88
GENERATOR'S PHONE: 516-676-1625	NET WEIGHT: ☒ Tons ☐ Yards	24.08

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Petroleum-Contaminated Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Myrabee Machol Title: IDA Admin. Director

Signature: Myrabee Machol Date and Time: 11/24/14 0900

TRANSPORTER

Company: CV Phone Number:

Address: Truck # and License Plate: 54-AS404B

Driver: Julio Castro SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 11/24/14

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 11/24/14

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 11-24-14

GENERATOR

Clean Earth of Philadelphia
3201 South 61st Street
Philadelphia, PA 19153
Ph: (215) 724-5520 Fax: (215) 724-2939

Ticket: 700000156609

	Date	Time	Scale
In:	11/24/2014	14:21:40	Scale CE
Out:	11/24/2014	14:22:19	P.T.

	Lbs	Tns
Gross:	91460	45.73
Tare:	28440	14.22
Net:	63020	31.51

Manifest: 1062584
Vehicle ID: 10TEV34
Act 90 Decal: WH1548
Customer: POSILLICO ENVIRONMENTAL

Facility Approval#: 143100307

Generator: City of Glen Cove IDA
Gen Address: 9 Glen St.
Glen Cove, NY 11542

Job Name: City of Glen Cove IDA-L. Tung
Job Address: 45 Herb Hill Road
Glen Cove, NY 11542

Origin	Materials & Services	Quantity	Unit
Nassau	Soil Treatment	31.51	Tns

Storage Area: Area 5
Comment:

Driver: _____

Facility: _____
Jay, Clifford H 67116

Original: Customer Copy - Carbon Copies: Void-Customer do not accept

CLEANEARTH

Manifest # 1062534

GLOBAL JOB NUMBER: 135145 **FACILITY APPROVAL NUMBER:** 143100307

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☒ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

AC790 # WH 1548

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
City of Glen Cove IDA	☒ Tons ☐ Yards	
Herb Hill Road	TARE WEIGHT:	
Glen Cove, NY 11542	☒ Tons ☐ Yards	14.22
GENERATOR'S PHONE: 516-676-1625	NET WEIGHT: ☒ Tons ☐ Yards	31.51

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Petroleum-Contaminated Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Myralee Machol Title: IDA Admin. Director

Signature: Myralee Machol Date and Time: 11/24/14 0918

TRANSPORTER

Company: TEV Phone Number: 973-525-9841

Address: 182 Calcutta Newark Truck # and License Plate: 34 AP536V

Driver: JULIO SOSA SW Haulers Permit #: 662

(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 11-24-14

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 11-24-14

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 11-24-14

GENERATOR

sRpPrfGTN.rpt

Profile: 143100307
Site ID: 310

Clean Earth of Philadelphia

Profile GTN

Transactions from 11/25/2014 through 11/25/2014
Inbound Tickets Only
Third Party and Intercompany Customers
Sent and Unsent Tickets
Full Details

11/26/2014
9:16AM
User ID: CEI\CJAY

Ticket	Date	Truck	In / Out	Manifest	Customer	Gross	Tare	Net
143100307 - City of Glen Cove IDA-L. Tungsten					Global Job Number: 135145			
700000157128	11/25/14	10JSL019	I	1062586	BLU760-POSILLICO ENVIRONMENTAL	37.06	13.90	23.16
700000157198	11/25/14	10CV057	I	1062588	BLU760-POSILLICO ENVIRONMENTAL	39.01	14.25	24.76
700000157202	11/25/14	10SDT78	I	1062587	BLU760-POSILLICO ENVIRONMENTAL	46.59	14.26	32.33
700000157289	11/25/14	10TEV5	I	1052589	BLU760-POSILLICO ENVIRONMENTAL	38.00	14.04	23.96
700000157337	11/25/14	10BL724	I	1062591	BLU760-POSILLICO ENVIRONMENTAL	38.72	14.12	24.60
700000157363	11/25/14	10BL8224	I	1062590	BLU760-POSILLICO ENVIRONMENTAL	42.45	13.21	29.24
143100307 - City of Glen Cove IDA-L. Tungsten *6 tickets*								158.05

Report Grand Totals

158.05

6 tickets

Clean Earth of Philadelphia
3201 South 61st Street
Philadelphia, PA 19153
Ph: (215) 724-5520 Fax: (215) 724-2939

Ticket: 700000157128

	Date	Time	Scale
In:	11/25/2014	10:57:26	Scale CE
Out:	11/25/2014	10:58:11	P.T.

	Lbs	Tns
Gross:	74120	37.06
Tare:	27800	13.90
Net:	46320	23.16

Manifest: 1062586
Vehicle ID: 10JSL019
Act 90 Decal: WH15947
Customer: POSILLICO ENVIRONMENTAL

Facility Approval#: 143100307
Job Name: City of Glen Cove IDA-L. Tung
Job Address: 45 Herb Hill Road
Glen Cove, NY 11542

Generator: City of Glen Cove IDA
Gen Address: 9 Glen St.
Glen Cove, NY 11542

Origin	Materials & Services	Quantity	Unit
Nassau	Soil Treatment	23.16	Tns

Storage Area: Area 5
Comment:

Driver:

Facility:
Jay, Clifford H 67116

Original: Customer Copy - Carbon Copies: Void-Customer do not accept

CLEANEARTH

Manifest # 1062586

GLOBAL JOB NUMBER: 135145 **FACILITY APPROVAL NUMBER:** 143100307

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☒ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

AC790 WH 15947

GENERATOR'S NAME & SITE ADDRESS: City of Glen Cove IDA	GROSS WEIGHT: ☒ Tons ☐ Yards	
Herb Hill Road, Glen Cove, NY 11542	TARE WEIGHT: ☒ Tons ☐ Yards	13.90
GENERATOR'S PHONE: 516-676-1625	NET WEIGHT: ☒ Tons ☐ Yards	23.16

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Petroleum-Contaminated Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Myralee Machol Title: IDA Admin. Director

Signature: Myralee Machol Date and Time: 11/25/14

TRANSPORTER

Company: JSL Phone Number: 862 579 8129

Address: Dover Truck # and License Plate: AP196G#19

Driver: Juan Restrepo (Type or Print Clearly) SW Haulers Permit #: (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 11-25-14

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 11-25-14

GENERATOR

Clean Earth of Philadelphia
3201 South 61st Street
Philadelphia, PA 19153
Ph: (215) 724-5520 Fax: (215) 724-2939

Ticket: 700000157198

	Date	Time	Scale
In:	11/25/2014	11:35:06	Scale CE
Out:	11/25/2014	11:35:32	P.T.

	Lbs	Tns
Gross:	78020	39.01
Tare:	28500	14.25
Net:	49520	24.76

Manifest: 1062588
Vehicle ID: 10CV057
Act 90 Decal: WH7900
Customer: POSILLICO ENVIRONMENTAL

Facility Approval#: 143100307

Generator: City of Glen Cove IDA
Gen Address: 9 Glen St.
Glen Cove, NY 11542

Job Name: City of Glen Cove IDA-L. Tung
Job Address: 45 Herb Hill Road
Glen Cove, NY 11542

Origin	Materials & Services	Quantity	Unit
Nassau	Soil Treatment	24.76	Tns

Storage Area: Area 5
Comment:

Driver:

Facility:
Jay, Clifford H 67116

Original: Customer Copy - Carbon Copies: Void-Customer do not accept

CLEANEARTH

Manifest # 1062588

GLOBAL JOB NUMBER: 135145 **FACILITY APPROVAL NUMBER:** 143100307

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☒ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Act 90# ht 2900

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
City of Glen Cove IDA	☒ Tons ☐ Yards	
Herb Hill Road	TARE WEIGHT:	
Glen Cove, NY 11542	☒ Tons ☐ Yards	14.15
GENERATOR'S PHONE: 516-676-1625	NET WEIGHT: ☒ Tons ☐ Yards	24.76

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Petroleum-Contaminated Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Myralee Macrol Title: IDA Admin. Director

Signature: Myralee Macrol Date and Time: 11/25/14 0743

TRANSPORTER

Company: CV Trucking Phone Number: 973-465-1272

Address: 182 Calcutta St Port Newark NJ Truck # and License Plate: #57/AN392P-NJ

Driver: Richard F (Type or Print Clearly) SW Haulers Permit #: (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 11-25-14 7:43am

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 11-25-14 11:23am

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 11-25-14

GENERATOR

Clean Earth of Philadelphia
3201 South 61st Street
Philadelphia, PA 19153
Ph: (215) 724-5520 Fax: (215) 724-2939

Ticket: 700000157202

	Date	Time	Scale
In:	11/25/2014	11:35:52	Scale CE
Out:	11/25/2014	11:37:06	P.T.

Manifest: 1062587
Vehicle ID: 10SDT78
Act 90 Decal: WH16607
Customer: POSILLICO ENVIRONMENTAL

	Lbs	Tns
Gross:	93180	46.59
Tare:	28520	14.26
Net:	64660	32.33

Facility Approval#: 143100307
Job Name: City of Glen Cove IDA-L. Tung
Job Address: 45 Herb Hill Road
Glen Cove, NY 11542

Generator: City of Glen Cove IDA
Gen Address: 9 Glen St.
Glen Cove, NY 11542

Origin	Materials & Services	Quantity	Unit
Nassau	Soil Treatment	32.33	Tns

Storage Area: Area 5
Comment:

Driver: _____

Facility: _____
Jay, Clifford H 67116

Original: Customer Copy - Carbon Copies: Void-Customer do not accept

CLEANEARTH

Manifest # 1062587

GLOBAL JOB NUMBER: 135145 **FACILITY APPROVAL NUMBER:** 143100307

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☒ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

ALT 90# WH 16607

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
City of Glen Cove IDA	☒ Tons ☐ Yards	
Herb Hill Road	TARE WEIGHT:	
Glen Cove, NY 11542	☒ Tons ☐ Yards	14.26
GENERATOR'S PHONE: 516-676-1625	NET WEIGHT: ☒ Tons ☐ Yards	32.33

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Petroleum-Contaminated Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Myralee Machol Title: IDA Admin. Director

Signature: [signature] Date and Time: 11/25/14 0738

TRANSPORTER

Company: SDT / Valiant Phone Number:

Address: 123 Howard Blvd Netcong Truck # and License Plate: 78 AP 797Y

Driver: Steve Tripodi SW Haulers Permit #: WH 16607

(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 11/25/14

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 11-25-14

GENERATOR

Clean Earth of Philadelphia
3201 South 61st Street
Philadelphia, PA 19153
Ph: (215) 724-5520 Fax: (215) 724-2939

Ticket: 700000157337

	Date	Time	Scale
In:	11/25/2014	12:50:09	Scale CE
Out:	11/25/2014	12:50:38	P.T.

Manifest: 1062591
Vehicle ID: 10BL724
Act 90 Decal: WH10261
Customer: POSILLICO ENVIRONMENTAL

	Lbs	Tns
Gross:	77440	38.72
Tare:	28240	14.12
Net:	49200	24.60

Facility Approval#: 143100307
Generator: City of Glen Cove IDA
Gen Address: 9 Glen St.
Glen Cove, NY 11542
Job Name: City of Glen Cove IDA-L. Tung
Job Address: 45 Herb Hill Road
Glen Cove, NY 11542

Origin	Materials & Services	Quantity	Unit
Nassau	Soil Treatment	24.60	Tns

Storage Area: Area 5
Comment:

Driver: _____

Facility: _____
Jay, Clifford H 67116

Original: Customer Copy - Carbon Copies: Void-Customer do not accept

CLEANEARTH

Manifest # 1062591

GLOBAL JOB NUMBER: 135145 **FACILITY APPROVAL NUMBER:** 143100307

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☒ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly) Acct 90 Tnt 10261

GENERATOR'S NAME & SITE ADDRESS: City of Glen Cove IDA	GROSS WEIGHT: ☒ Tons ☐ Yards	
Herb Hill Road	TARE WEIGHT:	
Glen Cove, NY 11542	☒ Tons ☐ Yards	14.12
GENERATOR'S PHONE: 516-676-1625	NET WEIGHT: ☒ Tons ☐ Yards	24.60

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Petroleum-Contaminated Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Myralee MAchol Title: IDA Admin. Director

Signature: Myralee Machol Date and Time: 11/25/14 0947

TRANSPORTER

Company: TEV. Trucking Blade Phone Number:

Address: 182 Calcutta St Newark Truck # and License Plate: AS148D # 724

Driver: Gigi (Type or Print Clearly) SW Haulers Permit #: HW 10261 (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 11-25-14

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time: 11-25-14

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 11-25-14

GENERATOR

Clean Earth of Philadelphia
3201 South 61st Street
Philadelphia, PA 19153
Ph: (215) 724-5520 Fax: (215) 724-2939

Ticket: 700000157363

	Date	Time	Scale
In:	11/25/2014	12:54:13	Scale CE
Out:	11/25/2014	13:02:35	Scale CE

	Lbs	Tns
Gross:	84900	42.45
Tare:	26420	13.21
Net:	58480	29.24

Manifest: 1062590
Vehicle ID: 10BL8224
Act 90 Decal: WH10261
Customer: POSILLICO ENVIRONMENTAL

Facility Approval#: 143100307

Generator: City of Glen Cove IDA
Gen Address: 9 Glen St.
Glen Cove, NY 11542

Job Name: City of Glen Cove IDA-L. Tung
Job Address: 45 Herb Hill Road
Glen Cove, NY 11542

Origin	Materials & Services	Quantity	Unit
Nassau	Soil Treatment	29.24	Tns

Storage Area: Area 5
Comment:

Driver: _____

Facility: _____
Jay, Clifford H 67116

Original: Customer Copy - Carbon Copies: Void-Customer do not accept

CLEANEARTH

Manifest # 1062590

GLOBAL JOB NUMBER: 135145 **FACILITY APPROVAL NUMBER:** 143100307

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☒ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other

Non-Hazardous Material Manifest

(Type or Print Clearly) AC-790 #10261

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
City of Glen Cove IDA	☒ Tons ☐ Yards	
Herb Hill Road	TARE WEIGHT:	
Glen Cove, NY 11542	☒ Tons ☐ Yards	13.21
GENERATOR'S PHONE: 516-676-1625	NET WEIGHT: ☒ Tons ☐ Yards	29.24

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Petroleum-Contaminated Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Maryalee Machol Title: IDA Admin. Director

Signature: Maryalee Machol Date and Time: 11/25/14 0936

TRANSPORTER

Company: TEV/Blade Phone Number:

Address: 1820 Atlas Ave Truck # and License Plate: AL349A #8224

Driver: Drummond James SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 11/25/14

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time: 11/25/14

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time: 11-25-14

GENERATOR

Clean Earth of Philadelphia
3201 South 61st Street
Philadelphia, PA 19153
Ph: (215) 724-5520 Fax: (215) 724-2939

Ticket: 700000157289

	Date	Time	Scale
In:	11/25/2014	12:25:00	Scale CE
Out:	11/25/2014	12:25:15	P.T.

Manifest: 1052589
Vehicle ID: 10TEV5
Act 90 Decal: WH1548
Customer: POSILLICO ENVIRONMENTAL

	Lbs	Tns
Gross:	76000	38.00
Tare:	28080	14.04
Net:	47920	23.96

Facility Approval#: 143100307
Generator: City of Glen Cove IDA
Gen Address: 9 Glen St.
Glen Cove, NY 11542
Job Name: City of Glen Cove IDA-L. Tung
Job Address: 45 Herb Hill Road
Glen Cove, NY 11542

Origin	Materials & Services	Quantity	Unit
Nassau	Soil Treatment	23.96	Tns

Storage Area: Area 5
Comment:

Driver: E-S

Facility: Jay Clifford H 67116

Original: Customer Copy - Carbon Copies: Void-Customer do not accept

CLEANEARTH

Manifest # 1062589

GLOBAL JOB NUMBER: 135145 **FACILITY APPROVAL NUMBER:** 143100307

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☒ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

ACTEO WH 1548

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
City of Glen Cove IDA	☒ Tons ☐ Yards	
Herb Hill Road	TARE WEIGHT:	
Glen Cove, NY 11542	☒ Tons ☐ Yards	14.04
GENERATOR'S PHONE: 516-676-1625	NET WEIGHT: ☒ Tons ☐ Yards	23.96

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Petroleum-Contaminated Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [illegible] Title: IDA Admin. Director

Signature: [illegible] Date and Time: 11/25/14 0915

TRANSPORTER

Company: TEV Corporation Phone Number: 973 765 1272

Address: 182 Calcota St V. Newark N.J. Truck # and License Plate: AR240E N.J.

Driver: [illegible] SW Haulers Permit #: #5

(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [illegible] Date and Time: 11-25-14

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [illegible] Date and Time: 11-25-14

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [illegible] Date and Time: 11-25-14

GENERATOR

sRpPrfGTN.rpt

Profile: 143100307
Site ID: 310

Clean Earth of Philadelphia

Profile GTN

Transactions from 12/02/2014 through 12/02/2014
Inbound Tickets Only
Third Party and Intercompany Customers
Sent and Unsent Tickets
Full Details

12/3/2014
3:31PM
User ID: CEI\JROBERTS

Ticket	Date	Truck	In / Out	Manifest	Customer	Gross	Tare	Net
143100307 - City of Glen Cove IDA-L. Tungsten					Global Job Number: 135145			
700000159117	12/02/14	10JSL010	I	1062775	BLU760-POSILLICO ENVIRONMENTAL	38.46	13.93	24.53
700000159136	12/02/14	10VAL235	I	1062774	BLU760-POSILLICO ENVIRONMENTAL	45.98	14.06	31.92
700000159148	12/02/14	10VAL237	I	1062592	BLU760-POSILLICO ENVIRONMENTAL	45.18	14.88	30.30
700000159264	12/02/14	10VAL238	I	1062776	BLU760-POSILLICO ENVIRONMENTAL	42.83	14.92	27.91
700000159415	12/02/14	10VAL230	I	1062777	BLU760-POSILLICO ENVIRONMENTAL	26.81	13.97	12.84
143100307 - City of Glen Cove IDA-L. Tungsten								127.50
5 tickets								

Report Grand Totals

127.50

5 tickets

Clean Earth of Philadelphia
3201 South 61st Street
Philadelphia, PA 19153
Ph: (215) 724-5520 Fax: (215) 724-2939

Ticket: 700000159117

	Date	Time	Scale
In:	12/2/2014	10:38:31	Scale CE
Out:	12/2/2014	10:39:08	P.T.

	Lbs	Tns
Gross:	76920	38.46
Tare:	27860	13.93
Net:	49060	24.53

Manifest: 1062775
Vehicle ID: 10JSL010
Act 90 Decal: WH15947
Customer: POSILLICO ENVIRONMENTAL

Facility Approval#: 143100307

Generator: City of Glen Cove IDA
Gen Address: 9 Glen St.
Glen Cove, NY 11542

Job Name: City of Glen Cove IDA-L. Tung
Job Address: 45 Herb Hill Road
Glen Cove, NY 11542

Origin	Materials & Services	Quantity	Unit
Nassau	Soil Treatment	24.53	Tns

Storage Area: Area 5
Comment:

Driver: Erik

Facility: Jay, Clifford H 67116

Original: Customer Copy - Carbon Copies: Void-Customer do not accept

CLEANEARTH

Manifest # 1062775

GLOBAL JOB NUMBER: 135145 **FACILITY APPROVAL NUMBER:** 143100307

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☒ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

ACT 90# WH 15947

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
City of Glen Cove IDA	☒ Tons ☐ Yards	
Herb Hill Road	TARE WEIGHT:	
Glen Cove, NY 11542	☒ Tons ☐ Yards	13.93
GENERATOR'S PHONE: 516-676-1625	NET WEIGHT: ☒ Tons ☐ Yards	24.53

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Petroleum-Contaminated Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Myrtle Machol Title: IDA Admin. Director

Signature: Myrtle Machol Date and Time: 12/2/14 0720

TRANSPORTER

Company: JSL Trucking Phone Number: 973-860-4050

Address: 90 howard blv. Truck # and License Plate: AR930F #10.

Driver: Erik Barroutes SW Haulers Permit #: WH15947.

(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Erik Date and Time: 2-12-14

DEC 18 2014

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Erik Date and Time: 2-12-14

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 12-2-14

GENERATOR

Clean Earth of Philadelphia
3201 South 61st Street
Philadelphia, PA 19153
Ph: (215) 724-5520 Fax: (215) 724-2939

Ticket: 700000159136

	Date	Time	Scale
In:	12/2/2014	10:50:44	Scale CE
Out:	12/2/2014	10:51:25	P.T.

	Lbs	Tns
Gross:	91960	45.98
Tare:	28120	14.06
Net:	63840	31.92

Manifest: 1062774
Vehicle ID: 10VAL235
Act 90 Decal: WH15877
Customer: POSILLICO ENVIRONMENTAL

Facility Approval#: 143100307
Generator: City of Glen Cove IDA
Gen Address: 9 Glen St.
Glen Cove, NY 11542

Job Name: City of Glen Cove IDA-L. Tung
Job Address: 45 Herb Hill Road
Glen Cove, NY 11542

Origin	Materials & Services	Quantity	Unit
Nassau	Soil Treatment	31.92	Tns

Storage Area: Area 5
Comment:

Driver: _____

Facility: _____
Jay, Clifford H 67116

Original: Customer Copy - Carbon Copies: Void-Customer do not accept

CLEANEARTH

Manifest # 1062774

GLOBAL JOB NUMBER: 135145 **FACILITY APPROVAL NUMBER:** 143100307

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☒ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Act 90 Th# 15877

GENERATOR'S NAME & SITE ADDRESS: City of Glen Cove IDA, Herb Hill Road, Glen Cove, NY 11542	GROSS WEIGHT: ☒ Tons ☐ Yards	
	TARE WEIGHT: ☒ Tons ☐ Yards	14.06
GENERATOR'S PHONE: 516-676-1625	NET WEIGHT: ☒ Tons ☐ Yards	31.92

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Petroleum-Contaminated Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Maryalee Machol Title: IDA Admin Director

Signature: Maryalee Machol Date and Time: 12/2/14 0935

TRANSPORTER

#235

Company: Valiant contracting LLC Phone Number:

Address: 123 Howard Blvd. Ledgewood Truck # and License Plate: AP232CW- N.J

Driver: Cesar Bedoya SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 12/2/14

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 12/2/14

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 12-2-14

GENERATOR

Clean Earth of Philadelphia
3201 South 61st Street
Philadelphia, PA 19153
Ph: (215) 724-5520 Fax: (215) 724-2939

Ticket: 700000159148

	Date	Time	Scale
In:	12/2/2014	10:59:48	Scale CE
Out:	12/2/2014	11:00:19	P.T.

	Lbs	Tns
Gross:	90360	45.18
Tare:	29760	14.88
Net:	60600	30.30

Manifest: 1062592
Vehicle ID: 10VAL237
Act 90 Decal: WH15877
Customer: POSILLICO ENVIRONMENTAL

Facility Approval#: 143100307

Generator: City of Glen Cove IDA
Gen Address: 9 Glen St.
Glen Cove, NY 11542

Job Name: City of Glen Cove IDA-L. Tung
Job Address: 45 Herb Hill Road
Glen Cove, NY 11542

Origin	Materials & Services	Quantity	Unit
Nassau	Soil Treatment	30.30	Tns

Storage Area: Area 5
Comment:

Driver: _____

Facility: _____
Jay, Clifford H 67116

Original: Customer Copy - Carbon Copies: Void-Customer do not accept

CLEANEARTH

Manifest # 1062592

GLOBAL JOB NUMBER: 135145 **FACILITY APPROVAL NUMBER:** 143100307

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☒ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

ACTGO # WH15877

GENERATOR'S NAME & SITE ADDRESS: City of Glen Cove IDA	GROSS WEIGHT: ☒ Tons ☐ Yards	
Herb Hill Road	TARE WEIGHT:	
Glen Cove, NY 11542	☒ Tons ☐ Yards	14.88
GENERATOR'S PHONE: 516-676-1625	NET WEIGHT: ☒ Tons ☐ Yards	30.30

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Petroleum-Contaminated Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Myralee Machol Title: IDA Admin. Director

Signature: Myralee Machol Date and Time: 12/2/14 0745

TRANSPORTER

Company: Valiant contracting Phone Number:

Address: 123 Howard Blvd Lodgewood Truck # and License Plate: 237 – AR 914E

Driver: Efram V. SW Haulers Permit #: WH15877

(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 12-2-14

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: 12-2-14.

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: 12-2-14

GENERATOR

Clean Earth of Philadelphia
3201 South 61st Street
Philadelphia, PA 19153
Ph: (215) 724-5520 Fax: (215) 724-2939

Ticket: 700000159264

	Date	Time	Scale
In:	12/2/2014	12:30:52	Scale CE
Out:	12/2/2014	12:31:41	P.T.

	Lbs	Tns
Gross:	85660	42.83
Tare:	29840	14.92
Net:	55820	27.91

Manifest: 1062776
Vehicle ID: 10VAL238
Act 90 Decal: WH15877
Customer: POSILLICO ENVIRONMENTAL

Facility Approval#: 143100307

Generator: City of Glen Cove IDA
Gen Address: 9 Glen St.
Glen Cove, NY 11542

Job Name: City of Glen Cove IDA-L. Tung
Job Address: 45 Herb Hill Road
Glen Cove, NY 11542

Origin	Materials & Services	Quantity	Unit
Nassau	Soil Treatment	27.91	Tns

Storage Area: Area 5
Comment:

Driver: HKUSI

Facility: Jay, Clifford H 67116

Original: Customer Copy - Carbon Copies: Void-Customer do not accept

CLEANEARTH

Manifest # 1062776

GLOBAL JOB NUMBER: 135145 **FACILITY APPROVAL NUMBER:** 143100307

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☒ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

ATT 98 # 44-15877

GENERATOR'S NAME & SITE ADDRESS: City of Glen Cove IDA	GROSS WEIGHT: ☒ Tons ☐ Yards	
Herb Hill Road	TARE WEIGHT: ☒ Tons ☐ Yards	14.92
Glen Cove, NY 11542		
GENERATOR'S PHONE: 516-676-1625	NET WEIGHT: ☒ Tons ☐ Yards	27.91

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION
Non-Hazardous Petroleum-Contaminated Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Anne LaMorte Title: CFO IDA

Signature: [signature] Date and Time: 12/2/14 0916

TRANSPORTER

Company: Valiant Phone Number:

Address: 123 Howard Blvd Truck # and License Plate: AR 915E

Driver: Hernandez SW Haulers Permit #: 238

(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 12 2 14

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 12 2 14

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 12-2-14

GENERATOR

Clean Earth of Philadelphia
3201 South 61st Street
Philadelphia, PA 19153
Ph: (215) 724-5520 Fax: (215) 724-2939

Ticket: 700000159415

	Date	Time	Scale
In:	12/2/2014	14:33:45	Scale CE
Out:	12/2/2014	14:34:16	P.T.

	Lbs	Tns
Gross:	53620	26.81
Tare:	27940	13.97
Net:	25680	12.84

Manifest: 1062777
Vehicle ID: 10VAL230
Act 90 Decal: WH15877
Customer: POSILLICO ENVIRONMENTAL

Facility Approval#: 143100307
Job Name: City of Glen Cove IDA-L. Tung
Job Address: 45 Herb Hill Road
Glen Cove, NY 11542

Generator: City of Glen Cove IDA
Gen Address: 9 Glen St.
Glen Cove, NY 11542

Origin	Materials & Services	Quantity	Unit
Nassau	Soil Treatment	12.84	Tns

Storage Area: Area 5
Comment:

Driver:

Facility:
Jay, Clifford H 67116

Original: Customer Copy - Carbon Copies: Void-Customer do not accept

CLEANEARTH

Manifest # 1062777

GLOBAL JOB NUMBER: 135145 **FACILITY APPROVAL NUMBER:** 143100307

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☒ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

Alt 90 # wt 15877

GENERATOR'S NAME & SITE ADDRESS: City of Glen Cove IDA	GROSS WEIGHT: ☒ Tons ☐ Yards	
Herb Hill Road	TARE WEIGHT: ☒ Tons ☐ Yards	13.97
Glen Cove, NY 11542		
GENERATOR'S PHONE: 516-676-1625	NET WEIGHT: ☒ Tons ☐ Yards	12.84

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Petroleum-Contaminated Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Anne LaMorte Title: CFO IDA

Signature: [signature] Date and Time: 12/2/14 10:50

TRANSPORTER

Company: Valiant Phone Number:

Address: landing - NJ. Truck # and License Plate: AP260R

Driver: Juan Gomez SW Haulers Permit #: 230

(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 12·2·14

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 12·2·14

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 12-2-14

GENERATOR

APPENDIX E

Photo 1: View of LNAPL discovered underneath concrete on Parcel A.

Photo 2: View of first UST on Parcel A.

Photo 3: View of second UST on Parcel A.

Photo 4: View of stack footing encountered in remedial excavation.

Photo 5: View of contaminated soil stockpile area.

Photo 6: View of remedial excavation.

Photo 7: View of expanded remedial excavation.

APPENDIX F

ACTION REMEDIATION, INC.
3010 Burns Avenue, Wantagh, NY 11793 tel: (516) 781-3000 fax: (516) 781-3085

BILL OF LADING

Date: 9/18/14

Project: 63 Herbhill Road
Glen Cove, NY

2-1,500 GALLON UNDERGROUND STORAGE TANK

These single wall metal tanks as referenced above were pumped, cleaned, and disposed of at the following approved disposal facility.

LONI-JO METAL CORP.
70 KINKEL STREET
WESTBURY, NY

Authorization _____

APPENDIX G

Date:	9/12/2014				Li Tungsten, Parcel A				
Field Hydro:	AR				Rad Tech:	FQ	RAD BKG: 6,225 cpm		
Bucket No.	As	Pb	PID	RAD	Bucket	As	Pb	PID	RAD
1	168	130	2,238	4,825	31	358	33	>9,999	5,954
2	297	ND	2,352	5,020	32	349	63	>9,999	5,879
3	68	ND	2,004	5,172	33	650	73	>9,999	6,129
4	57	ND	1,998	5,171	34	482	ND	2,397	5,976
5	170	ND	856	3,785	35	422	ND	2,046	5,664
6	134	8	5,585	5,272	36	649	165	2,140	5,400
7	227	ND	1,023	4,451	37	662	53	>9,999	6,737
8	251	51	1,040	4,772	38	312	ND	>9,999	5,892
9	112	ND	1,051	4,307	39	85	ND	3,901	5,719
10	87	ND	3,004	4,085	40	616	31	947	5,846
11	580	77	2,300	5,141	41	259	ND	4,732	5,726
12	313	82	>9,999	5,014	42	365	62	>9,999	5,668
13	555	ND	1,454	5,267	43	289	31	1,987	5,442
14	602	158	2,818	5,370	44	155	ND	2,492	5,556
15	310	68	1,104	5,422	45	388	29	4,566	5,375
16	129	ND	1,382	5,252	46	386	ND	2,219	5,762
17	473	159	3,125	6,282	47	885	83	2,900	5,971
18	459	89	6,161	5,665	48	535	ND	7,621	5,869
19	269	ND	2,659	5,102	49	508	63	1,239	6,385
20	357	264	4,073	6,500	50	575	ND	>9,999	5,554
21	439	85	3,911	5,856	51				
22	150	ND	2,004	5,603	52				
23	456	58	1,634	5,217	53				
24	252	ND	4,135	5,806	54				
25	361	ND	>9,999	5,472	55				
26	293	ND	1,300	5,407	56				
27	490	ND	4,321	5,697	57				
28	55	35	4,689	5,150	58				
29	263	24	7,495	5,471	59				
30	472	158	1,693	5,292	60				

P.W. GROSSER CONSULTING

Field Hydro:	AR			XRF SN:		540012			
RAD Tech:	FQ			Ludlum SN:					
Date	Truck Load	RAD	As	Pb	Date	Truck Load	RAD	As	Pb
2/18/2015	1	6629	18	42	2/19/2015	21	7427	15	55
2/18/2015	2	7249	21	44	2/19/2015	22	6603	ND	39
2/18/2015	3	6440	15	26	2/19/2015	23	7533	18	30
2/18/2015	4	8113	ND	46	2/19/2015	24	6759	ND	39
2/18/2015	5	7747	13	16	2/19/2015	25	7816	23	30
2/18/2015	6	6670	19	34	2/19/2015	26	4836	ND	305
2/18/2015	7	8479	14	39	2/19/2015	27	7401	20	22
2/18/2015	8	10000	ND	37	2/19/2015	28	5069	16	33
2/18/2015	9	9121	ND	71	2/19/2015	29	5351	ND	31
2/18/2015	10	8347	21	49	2/19/2015	30	5569	20	34
2/18/2015	11	6967	23	48	2/19/2015	31	5407	18	ND
2/18/2015	12	7052	9	38	2/19/2015	32	5201	13	33
2/19/2015	13	6340	7	37	2/19/2015	33	5040	21	25
2/19/2015	14	5816	15	35	2/19/2015	34	6007	10	37
2/19/2015	15	6549	12	22	2/19/2015	35	5845	20	35
2/19/2015	16	6625	15	44	2/19/2015	36	5616	ND	43
2/19/2015	17	6132	16	32	2/19/2015	37	5325	ND	31
2/19/2015	18	5819	ND	39	2/19/2015	38	5217	19	18
2/19/2015	19	6597	ND	24	2/19/2015	39	5147	ND	53
2/19/2015	20	7201	ND	41	2/19/2015	40	5461	ND	42

APPENDIX H

APPENDIX I

CLEANEARTH

Faster, smarter, greener solutions...

28 October 2014

Myralee Machol
City of Glen Cove
9 Glen Street
Glen Cove, NY 11542

Re: L. Tungsten
Herb Hill Rd
Glen Cove, NY
Contaminated Soil

Dear Ms. Machol,

In regards to the above referenced contaminated soil, 500 tons of the non-hazardous waste oil contaminated material, represented by York Laboratory Report 14J00016, has been determined to meet Clean Earth of Philadelphia criteria for disposal.

Processing of the soil will be performed under PADEP solid waste permit number 301220, issued to Clean Earth of Philadelphia.

Sincerely,

Dane M. Tanner
Clean Earth of Philadelphia
Laboratory Director/Approval manager

3201 South 61st Street, Philadelphia, PA 19153 | T 215.724.5520 | F 215.724.2939 | www.cleanearthinc.com

APPENDIX J

From: **Similo, Ashley** <Similo.Ashley@epa.gov>
Date: Tue, Dec 23, 2014 at 12:37 PM
Subject: RE: Glen Isle: D & D-concrete reuse
To: Myralee Machol <mmachol@glencovecda.org>
Cc: Ellis Koch <ellis.koch@gmail.com>, Frank DeVita <FDeVita@db-eng.com>, "Dudek, Heidi M (DEC)" <heidi.dudek@dec.ny.gov>, "Burke, Gerard (DEC)" <gerard.burke@dec.ny.gov>

EPA has reviewed the proposal and has finds that the material is ok to reuse, but would like to improve the documentation to demonstrate it. See comments below.

1. Comment: EPA recommends the letter be rewritten to include a brief summary discussion of the soil findings from beneath the slabs and to fix apparent data transfer errors in Table 1. If the soil data from directly beneath the slabs demonstrates the soil met the radiological release criteria then EPA accepts the reuse of the concrete as fill from a "radiological" standpoint.

2. Discussions: The letter states "Therefore in order to access the soils, it was necessary to remove the remaining concrete building foundations...." . If the soils were clean it provides sufficient evidence that the slabs would not have been contaminated from construction (placement) on the site. This would leave a concern over contaminated materials being used to make the concrete. The concrete surveys conducted adequately address this concern along with the 2 composite sample results [of which the Ra-226 values are considered screening (qualitative)].

(a) EPA requests that soil data under the slabs be discussed in general to supplement the lab stated qualitative (screening) Ra-226 data. On pdf page 112 of 149 the laboratory data quality summary states:

"The method requested by the client to report Ra-226, using its own 186 keV gamma-ray emission, is subject to interference and potential bias due to the 185.7 keV U-235 gamma ray. Experience also indicates gamma spectroscopy software does not consistently assign accurate peak areas to Ra-226 (186 keV), with the problem compounded by slight drift of the instrumentation. The laboratory considers Ra-226 reported based upon the 186 keV gamma-ray emission to be best used by the client in a qualitative fashion. The following samples were affected: (460-85314-1 DU), (LCS 160-154050/2-A), (MB 160-154050/1-A), WC019 (460-85314-1), WC020 (460-85314-2)."

(b) A review of the Ra-226 data presented in Table 1 indicates the Ra-226 for WC020 is misreported compared to the pdf page114 lab report (appears the qualified U-235 result was reported rather than the Ra-226 result). Other values were not checked. The lab report does demonstrate reasonable results for Ra-226, correcting the transfer error will resolve this issue.

(c) It is not clear in all cases if the concrete survey data was collected from the bottom (soil contact side) or top of concrete. By clarifying this or discussing the soil data, this issue can be resolved.

Ashley Similo (Wiedemer)
Remedial Project Manager
US Environmental Protection Agency Region 2
290 Broadway, 20th Floor
New York, NY 10007
Office: (212) 637-4263

From: Dudek, Heidi M (DEC) [mailto:heidi.dudek@dec.ny.gov]
Sent: Friday, October 03, 2014 3:29 PM
To: Myralee Machol
Cc: Burke, Gerard (DEC); Similo, Ashley; Badalamenti, Salvatore; Acampora, Nick (DEC); Gomez, Karen (DEC); Frank DeVita
Subject: Li Tungsten Spill No. 1405550

Hello Myralee -

I have reviewed the endpoint sampling and dredge material sampling associated with Spill 1405550 with the EPA and have the following comments.

1. The location of where the dredge material was sampled needs to be presented on a map and delineated in the field to ensure that this is the material that will be used for backfilling. *SEE THE ATTACHED PWG FIGURE AND FIELD BOOK PAGE SHOWING THE LOCATION OF THE SPOILS AND THE SAMPLING LOCATIONS*

2. The 1000 CY of dredge material sampled may be used as backfill. *WILL DO AFTER COMPLETION OF ITEM #6 BELOW.*

3. The drawing that was submitted does not accurately show the area excavated, please show the actual excavation area. So as not to delay my review, I used the field photographs with the drawing to determine where the endpoint samples were located. *SEE ATTACHED D&B FIGURE FOR APPROXIMATE EXCAVATION BOUNDARY.*

4. Review of the endpoint sampling data, indicates that the northeastern corner has been sufficiently remediated. Therefore, if you wish, the area encompassed by sampling points EP001, EP002, EP004 and EP005, and EP003 may be backfilled. However, it should be noted that this backfill material may become contaminated while completing the excavation and may need to be removed. *BACKFILLING WILL ONLY OCCUR IN AREAS WHERE RECONTAMINATION IS UNLIKELY TO OCCUR. IN OTHER PARTS OF THE EXCAVATION BACKFILLING WILL NOT HAPPEN UNTIL GROSS CONTAMINATION IS REMOVED SO AS NOT TO RECONTAMINATE THE BACKFILL.*

5. Because the contamination to the south and west of the current excavation has not been addressed no other area may be backfilled until this is completed.*AGREE*

6. The Department has reviewed the following statement from the October 2, 2014 (4:18 PM) received from the City of Glen Cove: ***"We still don't know if the material under the western footing can be cleaned out enough for DEC to accept the results. I told Cipriano that we do not want to demo the footings until we see how well the soil under them can be removed and if DEC accepts the residual. After all, any residual soil under the footings will be 5% or less of what was removed, which may satisfy DEC".*** The Department cannot accept residual contamination beneath the old foundations. The foundations will need to be removed as necessary to address the contamination. *THE ORIGINAL INTENT TO CLEAN AROUND THE FOUNDATION MEMBERS WAS MADE AT THE TIME THAT THE IMPACT ON THE SCHEDULE OF TWO EXTRA DAYS WOULD HAVE RESULTED IN THE CONTRACTOR*

SITTING IDLE WHILE THIS WAS BEING DONE. HOWEVER, OTHER CIRCUMSTANCES AT THE SITE HAVE RESULTED IN THE DELAY OCCURRING ANYWAY, SO THE FOUNDATION MEMBERS ARE BEING REMOVED OVER THE NEXT TWO DAYS. EXCAVATION OF GROSS CONTAMINATION TO THE NORTH AND WEST WILL RESUME AS SOON AS THE CONCRETE IS REMOVED.

WE EXPECT TO HAVE THE ADDITIONAL EXCAVATION COMPLETED BY THURSDAY MAKING THE SITE READY FOR ANOTHER INSPECTION THAT DAY, PROVIDING UNFORESEEN CIRCUMSTANCES DO NOT IMPEDE THE PROGRESS. PLEASE TELL US IF THAT DAY IS GOOD FOR A DEC REPRESENTATIVE TO BE ONSITE.

WE ARE POSTPONING DOING ANY EXCAVATION AT TP-006 UNTIL THE UST EXCAVATION IS COMPLETED AS THERE IS A POSSIBILITY THAT FOUNDATIONS MAY NEED TO BE REMOVED ENLARGING THE WORK AREA. AS WE NEED TO MANEUVER THE HEAVY EQUIPMENT IN THIS AREA RIGHT NOW WE WOULD LIKE TO KEEP IT OPEN UNTIL THE UST EXCAVATION AREA AND ADJACENT AREAS ARE BACKFILLED.

Should you have any questions or comments or concerns, please contact me at your earliest convenience.

Heidi

PLEASE NOTE NEW EMAIL ADDRESS BELOW

Heide-Marie Dudek, P.E.

Project Manager

Remedial Bureau E, Section A

Division of Environmental Remediation

New York State Department of Environmental Conservation

625 Broadway, 12th Floor

Albany, New York, 12233-7017

Telephone: 518-402-9813

Facimile: 518-402-9819

Email: heidi.dudek@dec.ny.gov

January 5, 2015

Submitted via email

Ellis Koch
Consulting Director
Posillico Consulting
1750 New Highway
Farmingdale, NY 11735

Subject: Evaluation of the Recycled Concrete Aggregate Testing Results

Mr. Koch,

This letter provides Safety and Ecology Corporation's (SEC) recommendation on the radiological suitability of the recycled concrete aggregate (RCA) for reuse as backfill on the Li Tungsten Site.

SEC has been conducting final status surveys (FSS) of soils within Parcel A and Upper Parcel C at the former Li Tungsten site in accordance with the *Li Tungsten Site Final Status Survey Plan* (SEC June 2014)(**Attachment 1**). The purpose of the FSS was to collect supplemental soil data in response to the NYSDEC Data Gap Analysis letter dated November 8, 2013. As described in the letter, there were several areas within Parcels A and Upper C for which quality data was missing and/or unavailable to determine compliance with the site clean-up criteria for soils. Therefore in order to access the soils, it was necessary to remove the remaining concrete building foundations across Parcel A and Upper C. Although reusing the concrete foundations as clean fill was not part of the original objectives of the work plan, the developer had always intended to recycle the concrete onsite as fill that would be placed under engineering controls or a demarcation membrane and two feet of clean fill.

In order to demonstrate the crushed concrete on Parcel A was suitable for reuse, P.W. Grosser Consulting, Inc. (PWGC), with support from SEC, performed RCA characterization sampling on a stockpile located in the northeast corner of the property. The characterization sampling was conducted in accordance with NYSDEC *Final Commissioner Policy, CP-51 / Soil Cleanup Guidance.* The basis for the sampling and all results were provided in a letter report, *Recycled Concrete Aggregate Testing – Former Li Tungsten Site - Parcel A* (PWGC November 2014) (**Attachment 2**). The volume of the stockpile was estimated at 800-1000 cubic yards therefore a total of seven discrete and two composite samples were collected. The composite samples were analyzed by for semi-volatile organic compounds (SVOCs), metals, pesticides, polychlorinated biphenyls (PCBs) and by gamma spectroscopy; and the only exceedance to the SCGs was one of the composite samples that had mercury at 3.8 mg/kg where the SCG is 0.81 mg/kg.

The results of the gamma spectroscopy analyses are provided in **Table 1 (**Table 6 in the PWGC Report**)** and indicate both total radium and total thorium concentrations of approximately 1.1 pCi/g**.** Since the results indicate secular equilibrium within both uranium and thorium decay chains, Th-232 is inferred from the Ac-228 result; and Th-230 is inferred from the Ra-226 result. Hence, the radiological concentrations of the RCA are well below the ESD soil clean-up criteria of 5 pCi/g Ra-226 + Ra-228, and 5 pCi/g Th-230 + Th-232. In fact, the results are below the established Li Tungsten soil background values for radium and thorium of 1.84 pCi/g and 1.27 pCi/g respectively.

As previously stated, FSS's were conducted on the soils directly beneath the concrete foundations across the entirety of Parcel A. The FSS consisted of direct gamma scanning and soil sampling. The preliminary results of the gamma scans are provided in **Attachment 4** and indicate that the surface gamma radiation levels

across the entirety of Parcel A are consistent with background. In addition all soil sample results received to date are consistent with background and well below the site release criteria. The full results of the FSS will be documented in a report once all sample results have been received; however this preliminary information provides additional assurance that the concrete being requested for reuse is free of any radiological restrictions.

Table 1
Gamma Spectroscopy Results

Client Sample ID: Laboratory ID: Sampling Date:	Site Specific Soil Cleanup Objectives	WC019 460-85314-1 10/29/2014			WC020 460-85314-2 10/29/2014		
		Result		Total Uncertainty (2σ+/-)	Result		Total Uncertainty (2σ+/-)
Method GA-01-R - Radium-226 & Other Gamma Emitters (GS) - (pCi/g)							
Actinium 228	-	0.392		0.0503	0.350		0.0416
Bismuth-212	-	0.475		.101	0.446		0.0961
Bismuth-214	-	0.314		.0393	0.257		0.0314
Lead-210	-	0.274		.119	0.248		0.11
Lead-212	-	0.353		.0476	0.343		0.0458
Lead-214	-	0.348		.0411	0.314		0.0357
Potassium-40	-	7.33		.786	7.08		0.748
Protactinium-231	-	-0.145	U	.142	0.0681	U	0.0765
Protactinium-234m	-	0.277	U	.687	1.41		0.437
Thallium-208	-	0.128		.0162	0.112		0.0147
Thorium-234	-	0.345		.138	0.309		0.121
Uranium-235	-	0.0296	U	.0348	0.0121	U	0.0230
Uranium-238	-	0.345		.138	0.309		0.121
Radium-226	-	0.721		.192	0.811		0.179
Radium-228	-	0.392		.0503	0.350		0.0416

These results combined with the concrete removal screening results described previously in our letter dated October 29, 2014, *Evaluation of Li Tungsten Parcel A Slab and the Building Concrete Pads for Backfill* (**Attachment 3**), and the preliminary FSS results indicate that the concrete radioactivity levels are indistinguishable from background and SEC finds the RCA suitable for reuse on the Li Tungsten Site.

Regards,

Eric J. Laning
Technical Services Manager
Safety and Ecology Corporation

cc:

Myralee Machol, Glen Cove IDA Administrative Director

ATTACHMENT 1

Li Tungsten Final Status Survey Plan

FINAL STATUS SURVEY PLAN

Li Tungsten Site
683 Herb Hill Road
Glen Cove, New York 11542

CERCLIS ID: NYD986882660
NYS Site Code: 130046

FSSP (Rev. 0)
July 2014

Prepared for:
RXR Glen Isle Partners, LLC
625 RXR Plaza
Uniondale, NY 11556

Prepared by:
Safety and Ecology Corporation (SEC),
2800 Solway Road
Knoxville, TN 37931

Final Status Survey Plan
Li Tungsten Site, Glen Cove, New York

CERCLIS ID: NYD986882660 – NYS Site Code: 130046

FSSP APPROVALS

PREPARED BY:

7/15/14

Radiological Engineer
Scott Walnicki

Date

APPROVED BY:

7/15/14

Project Manager / Health Physicist
Eric J. Laning

Date

7/15/14

Corporate Certified Health Physicist
Andrew Lombardo, CHP

Date

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Attachment 1: 2014 Investigation Analytical Data

ABBREVIATIONS, ACRONYMS, AND SYMBOLS

bgs	below ground surface
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
cm	centimeter
CoC	Chain of Custody
cpm	counts per minute
DCGL	Derived Concentration Guideline Level
DQO	Data Quality Objective
ELAP	Environmental Laboratory Approval Program
EMC	Elevated Measurement Comparison
EPA	US Environmental Protection Agency
ESD	Explanation of Significant Differences
FSS	Final Status Survey
FSSP	Final Status Survey Plan
ft	foot/feet
GWS	Gamma Walkover Survey
HSA	Historical Site Assessment
LBGR	Lower-Bound Gray Region
m	meter
m^2	meter squared
MARSSIM	Multi-Agency Radiation Survey and Site Investigation Manual
MDC	Minimum Detectable Concentration
MDCR	Minimum Detectable Count Rate
$MDCR_S$	Minimum Detectable Count Rate-Surveyor
NaI	Sodium Iodide
NIST	National Institute of Standards and Technology
No.	Number
NPL	National Priorities List
NY	New York
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
pCi	picoCuries
PESI	Perma-Fix Environmental Services, Inc.
PWG	P.W. Grosser, Inc.
QA	Quality Assurance

QAP	Quality Assurance Program
QAPP	Quality Assurance Project Plan
QC	Quality Control
Ra-226	Radium-226
Ra-228	Radium-228
RCOC	Radiological Contaminant of Concern
ROD	Record of Decision
Th-230	Thorium-230
Th-232	Thorium-232
US	United States
WRS	Wilcoxon Rank Sum

1.0 INTRODUCTION

Safety and Ecology Corporation Services, Inc., wholly owned subsidiary of Perma-Fix Environmental Services, Inc. (PESI) has been selected to conduct Final Status Survey (FSS) at the historic Li Tungsten Superfund Site (Site) located at 683 Herb Hill Road Glen Cove, New York (NY); roughly 25 miles east-northeast of New York City (**Figure 1-1**). The Site is identified on the *National Priorities List* (NPL) as "Li Tungsten Corp." with the Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) identification number NYD986882660. The Site is also listed as a Class 2 Inactive Hazardous Waste Site, identified as "Li Tungsten" within the NY State Superfund Program, with Site Code number 130046.

The Site has gone through several investigations and remedial efforts dating back to 1988. A *Record of Decision* (ROD) (EPA, 1999) was issued in 1999 that presented the cleanup criteria that were applied during subsequent remedial efforts in 2001 and 2003. In 2005, an *Explanation of Significant Differences* (ESD) (EPA, 2005) was issued that revised the 1999 criteria to the currently accepted cleanup criteria on the Site (Refer to Section 2.2). According to the U.S. Environmental Protection Agency (EPA), the site currently satisfies the ESD criteria. However, in 2013, the NY State Department of Environmental Conservation (NYSDEC) and Department of Health (NYSDOH) identified potential radiological data gaps that require attention and resolution prior to NYS releasing the Site for development. This Final Status Survey Plan (FSSP) presents the design and implementation guidelines for resolving valid data gap concerns and for demonstrating that the data-gap areas of the Site satisfy the 2005 ESD criteria.

Historically, the site has been divided into three main parcels (**Figure 1-2**).

- Parcel A is approximately 7 acres in size and is bounded by Glen Cove Creek to the south, Herb Hill Road to the north, Dickson Street and Doxey to the West, and the Gateway Properties to the east. This parcel housed operating and processing facilities for the Li Tungsten Corporation. Parcel A was remediated and verified as clean against the 2005 ESD radiological criteria by the EPA as documented in the 2008 *Remedial Action Report for Operable Unit One (Li Tungsten Facility)* (EPA, 2008). Parcel A represents a data gap concern for NYSDEC due to a final status survey (FSS) approach that was not in accordance with the Multi-Agency Radiation Survey and Site Investigation Manual (EPA, 2000). Additionally, the footprint of the recently demolished Lounge Building was identified as a potential data gap.

- Parcel B is approximately 6 acres in size and is located to the north of Parcel A, with Herb Hill Road forming its southern boundary. Other bounds of Parcel B include Dickson Street to the west, 'The Place" Street to the north, and Crown Dykman to the east. Parcel B was a primarily undeveloped land area that was used for parking and some waste disposal operations. Following remediation, Parcel B was subject to an FSS in accordance with MARSSIM (EPA, 2000), and was verified as radiologically clean as documented in the *Post-Remedial Actions at parcel B and Upper parcel C Li Tungsten Superfund Site, Glen Cove, New York* (TDY, 2009). Parcel B does not contain data gaps and the MARSSIM data support its radiologically-clean status; therefore, no further FSS activities on Parcel B are necessary.

- Parcel C is approximately 10 acres in size and is typically divided into two contiguous sections that are identified as Lower Parcel C and Upper Parcel C (Parcel C-Prime does not present a radiological hazard and is excluded from this FSSP). Parcel C is bordered by Dickson Street to the east (across from Parcel B), Garvies Point Road to the south, residential properties to the north, and undeveloped properties to the west. Parcel C was historically used for water treatment as well as some waste disposal operations.

    - Upper Parcel C was subject to an FSS in accordance with MARSSIM (EPA, 2000), and was verified as radiologically clean as documented in the *Post-Remedial Actions at parcel B and Upper parcel C Li Tungsten Superfund Site, Glen Cove, New York* (TDY, 2009). However, the footprints of the recently demolished Benbow Building and Dickson Warehouse represent potential data gaps that will be addressed in this FSSP. It should be noted that a sub-slab investigation was performed beneath Dickson Warehouse in 2014.

    - Lower Parcel C was remediated and verified as clean against the 2005 ESD radiological criteria by the EPA as documented in the 2008 *Remedial Action Report for Operable Unit One (Li Tungsten Facility)* (EPA, 2008). Lower Parcel C represents a data gap concern for NYSDEC because the final status survey (FSS) was not in accordance with MARSSIM (EPA, 2000).

Radionuclide Contaminants of concern (RCOCs) on the Site include Radium-226 (Ra-226), Radium-228 (Ra-228), Thorium-230 (Th-230), and Thorium-232 (Th-232). This FSSP includes a means to statistically evaluate soil contamination levels for residual RCOCs by using the MARSSIM process. This process includes a historical site assessment, the establishment of data quality objectives, release criteria, FSS design, data evaluation, and the method for making conclusions as to the status of the site relative to the release criteria. The primary objective of this data collection effort is to, in a timely manner, effectively demonstrate the radiological status of the Site relative to the 2005 ESD criteria (EPA, 2005).

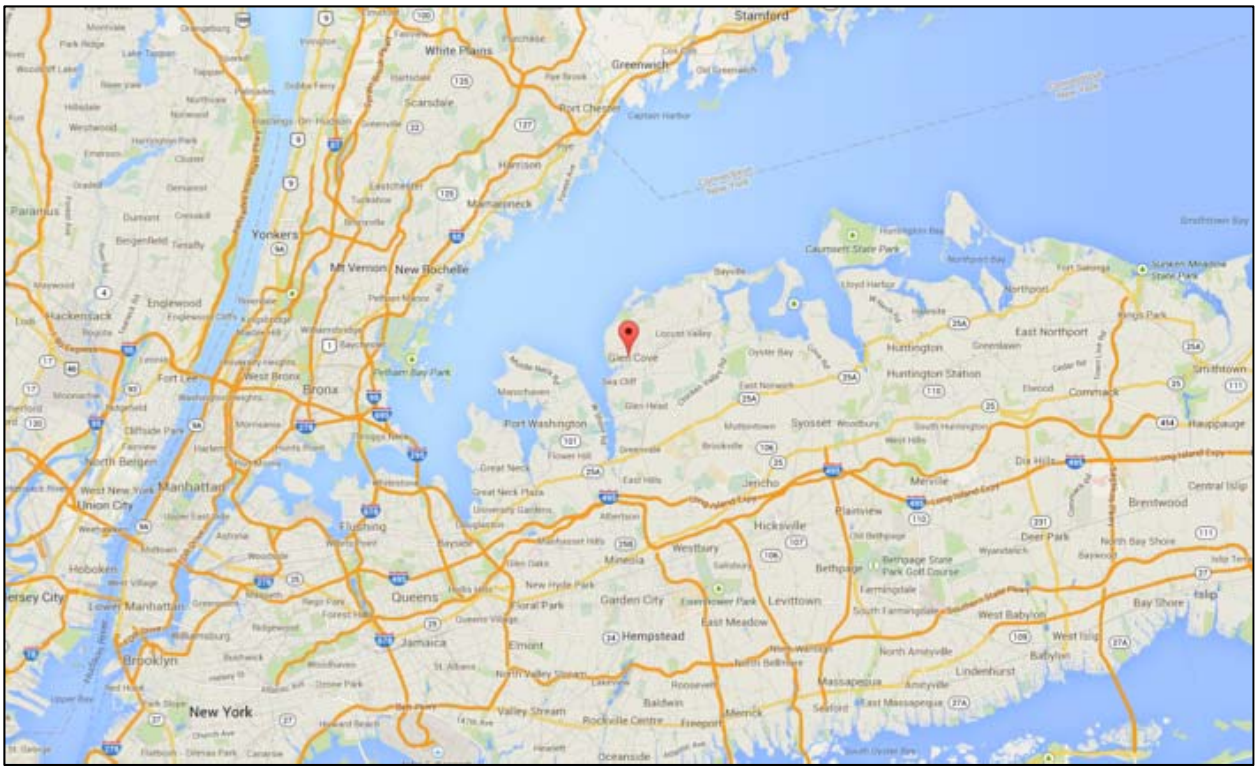

Figure 1-1: Li Tungsten Site Location

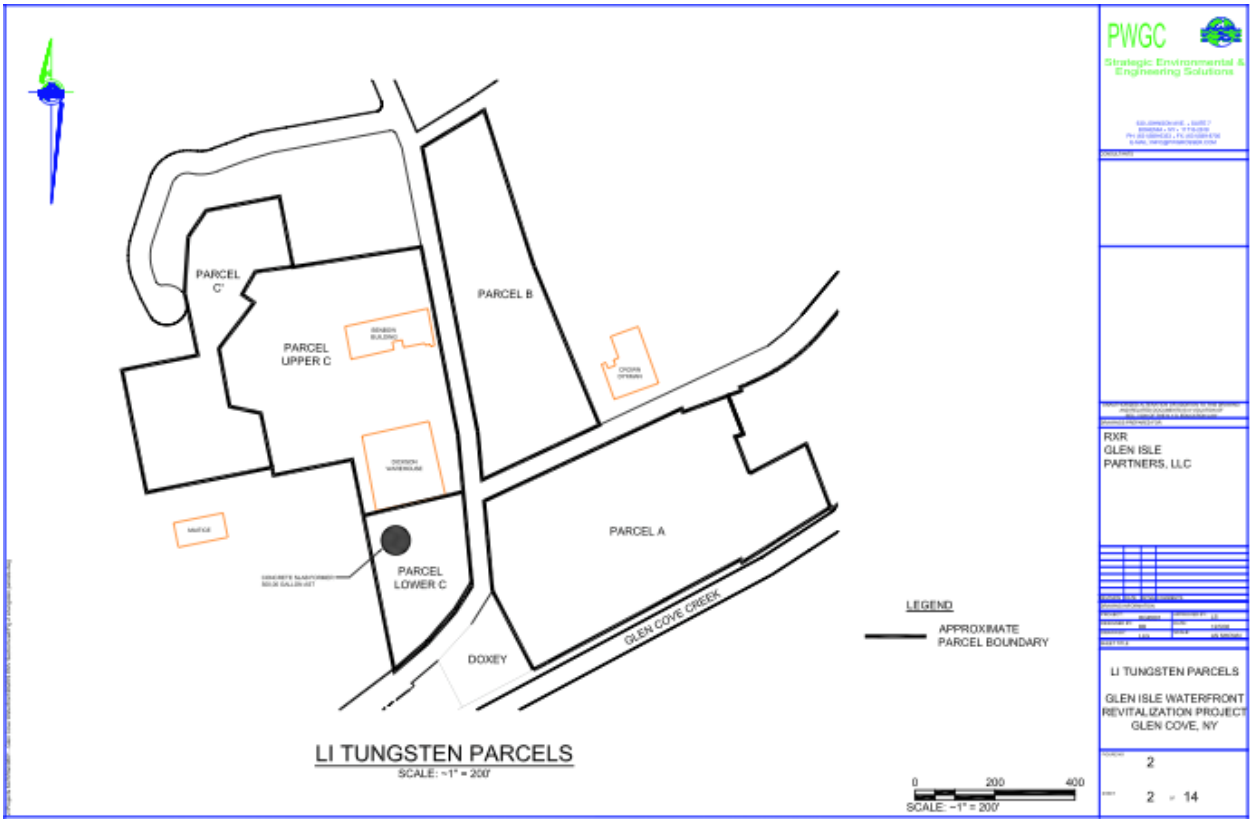

Figure 1-2: Li Tungsten Parcels

2.0 PRELIMINARY CONSIDERATIONS

2.1 Historical Site Assessment

A robust historical site assessment (HSA) was performed leading up to the development of this FSSP as documented in the *Li Tungsten Data Gap Review and Response to DEC/DOH Comments and Recommendations for Parcels A, B, and C, and Captains Cove* (SEC, 2014a), and the *Justification for Class 2 Survey Units on Parcel A and Lower Parcel C at Li Tungsten, Site No. 130046* (SEC, 2014b). Pertinent findings are summarized here:

- Fred C. Hart and Associates performed site-wide gamma scan surveys as a first step in site characterization as far back as 1988. The actual gamma readings were not available for review, but various documents (see SEC, 2014a) indicate that the results of these gamma surveys were used to delineate remediation areas on Parcel A and Lower Parcel C.
- In accordance with the 1999 ROD (EPA, 1999), Parcel A and Lower Parcel C were remediated by the EPA in 2001. During final verification, all but three areas were successfully remediated to meet 1999 ROD criteria based on composite sample results. These three "exempt" areas were addressed during a subsequent remedial effort in 2003 and all three areas were successfully remediated to meet 1999 ROD criteria based on composite sample results.
- Also in 2003, a comprehensive surface and subsurface investigation was performed in all Parcels and no radiological exceedances were identified (Metron, 2004).
- In 2005, the ESD modified the release criteria as presented in the 1999 ROD. EPA reviewed all the existing data against the new criteria and determined that the new criteria were satisfied (EPA, 2008).
- A MARSSIM FSS was performed on Parcel B and Upper Parcel C between 2006 and 2007, which demonstrated that both excavated and unexcavated areas of these parcel's satisfied the 2005 ESD criteria (TDY, 2009).
- In 2014, another comprehensive surface and subsurface investigation was performed that again identified no radiological exceedances (PWG, 2014).

Despite all the indications that Parcel A and Lower Parcel C meet the 2005 ESD criteria, there is not enough data available currently to perform an evaluation in accordance with MARSSIM. Therefore, it was recommended that Parcel A and Lower Parcel C undergo a MARSSIM FSS (SEC, 2014a).

Parcel B and Upper Parcel C have undergone fully-compliant MARSSIMs surveys and have statistically significant data to support a release decision. Therefore, no further FSS is recommended for Parcel B and Upper Parcel C, with the exception of the footprints of recently demolished buildings located on Upper Parcel C.

2.2 Cleanup Criteria

The applicable cleanup criteria for the Site were established in the 2005 ESD (EPA, 2005). The 2005 criteria modified the 1999 ROD criteria (EPA, 1999) by including an additional radium isotope (Ra-228) and an additional thorium isotope (Th-230) to the original Ra-226 and Th-232 RCOCs. The 2005 ESD criteria consist of the following:

- Ra-226 combined with Ra-228: Less than 5 pCi/g above background.
- Th-230 combined with Th-232: Less than 5 pCi/g above background.

These are the cleanup criteria that will be applied during the data evaluation phase of the FSSP. Comparisons of FSS data sets to these criteria will be used to support release decisions.

Note that there is no requirement for comparing the overall combination of the different elements (i.e., no "Sum-of-Ratio" requirement; rather, radium will be evaluated independently of thorium).

2.3 Background Activity

A background dataset has previously been approved for use at the Site. This background dataset was established for the Parcel B and Upper Parcel C Final Status Surveys that were conducted between April 2006 and August 2007. Details of the background dataset were summarized in the 2009 Final Status Survey Report:

> "*A background reference area is a geographical area from which representative samples of background conditions are selected for comparison with samples collected in specific survey units at the remediated site (NUREG-1505). The Project Health Physicist (HP) collected 11 background reference samples from a location with no indication of residual radioactive contamination and representative of the background radiological conditions for the geographic region. Background reference samples were obtained from a wooded and park-like area at 200 Dosoris Lane, Glen Cove, New York. The background sample results are presented as* ***Table 5-13*** [see **Table 2-1** of this FSSP] *and the sample values are also used in each Wilcoxon Rank Sum (WRS) Statistical Test.*"
>
> - *Final Final Status Survey Report* (TDY, 2009)

This background data set contains 11 sample points, which is sufficient – based on this FSSP design – for use with the anticipated number of systematic sample locations (10) within each FSS survey unit (refer to **Section 4.2**).

The Background reference data set, along with pertinent statistics, is provided in **Table 2-1**. This data set serves two primary purposes:

1. To establish levels of regional background to be used for background subtraction when comparing sample results to the cleanup criteria.
2. To provide data points for use with the WRS Test when evaluating survey unit data.

In the event that more background data is needed, additional reference area data may be collected to augment this data set. Additionally, Data may be collected to establish background gross gamma readings for surface and/or down-hole gamma logging as appropriate.

Table 2-1: Background Reference Area Data

Sample Number	Ra-226 Result (pCi/g)	Ra-228 Result (pCi/g)	Ra-226 + Ra-228 (pCi/g)	Th-230 Result (pCi/g)	Th-232 Result (pCi/g)	Th-230 + Th-232 (pCi/g)
5601-BKGD-1001	0.68	1.32	2	0.79	0.73	1.52
5601-BKGD-1002	1.1	0.99	2.09	0.65	0.72	1.37
5601-BKGD-1003	0.8	1.07	1.87	0.59	0.62	1.21
5601-BKGD-1004	1.16	0.95	2.11	0.64	0.84	1.48
5601-BKGD-1005	0.94	0.77	1.71	0.55	0.68	1.23
5601-BKGD-1006	0.97	0.73	1.7	0.52	0.6	1.12
5601-BKGD-1007	0.93	0.68	1.61	0.47	0.7	1.17
5601-BKGD-1008	1.18	0.8	1.98	0.83	0.72	1.55
5601-BKGD-1009	0.94	0.86	1.8	0.5	0.75	1.25
5601-BKGD-1010	1.09	0.73	1.82	0.42	0.72	1.14
5601-BKGD-1011	1.01	0.58	1.59	0.43	0.54	0.97
Average	0.98	0.86	1.84	0.58	0.69	1.27
Standard Deviation	0.15	0.21	0.18	0.14	0.08	0.18
95% Confidence Level	1.28	1.28	2.21	0.85	0.86	1.64

Note: Table reproduced from *Final Status Survey Report* (TDY, 2009)

2.4 Characterization Data

Characterization data for the Site was reviewed during the HSA and included several sources of information that gave a broad scope of radiological conditions in the both the surface and subsurface. These sources of information were summarized in the *Li Tungsten Data Gap Review and Response to DEC/DOH Comments and Recommendations for Parcels A, B, and C, and Captains Cove* (SEC, 2014a), and the *Justification for Class 2 Survey Units on Parcel A and Lower Parcel C at Li Tungsten, Site No. 130046* (SEC, 2014b). These documents are available for review online at https://www.dropbox.com/sh/jspccbmhlrmgw2o/ffYEgtKTi4. In general, the information indicates that no surveyed areas of the Site contain above-criteria RCOCs concentrations. However, the recent 2014 investigation provides the best analytical data, and was therefore used for the purposes of designing MARSSIM surveys in accordance with this FSSP.

During the 2014 investigation, 28 samples were analyzed via alpha spectrometry and gamma spectrometry. These samples were collected from locations throughout the site and complete analytical data is provided in **Attachment 1**. **Table 2-2** provides a summary of the radium and thorium data pertinent to this FSSP. This data was used as a means to estimate the anticipated variability of the of the FSS data sets. Variability (sigma, σ) is a key parameter of interest for designing MARSSIM surveys; the variability of the characterization data is used to estimate the minimum sampling requirements for each FSS survey unit.

Table 2-2: 2014 Analytical Data Summary

Sample ID	Radium-226 + Radium-228	Thorium-230 + Thorium-232
LT-C-013	2.021	1.564
LT-C-066	2.226	1.338
LT-G-029	2.858	1.573
LT-XC-020	1.452	0.796
LT-C-018	1.818	1.425
LT-C-067	0.986	0.701
LT-G-029	2.858	1.573
LT-XC-020	1.452	0.796
LT-C-045	1.51	0.75
LT-X-002	1.462	1.371
LT-R-001	2.422	1.026
LT-XC-021	0.619	0.47
LT-C-048	1.254	0.583
LT-G-019	1.098	0.473
LT-R-001	2.861	1.429
LT-XC-023	1.312	0.768
LT-C-049	1.608	0.864
LT-G-026	1.304	0.756
LT-R-002	1.735	0.86
LT-C-060	1.056	0.667
LT-G-027	2.413	0.738
LT-R-002	1.629	1.345
LT-C-064	1.386	0.78
LT-G-028	4.0	1.758
LT-R-003	1.374	1.193
LT-C-065	1.669	1.066
LT-G-029	3.62	1.734
LT-R-003	1.452	1.099
Average	1.791	1.019
STDEV	0.883	0.388
Min	0.619	0.470
Max	4.000	1.758

3.0 DATA QUALITY OBJECTIVES

Data Quality Objectives (DQOs) are qualitative and quantitative statements that establish a systematic procedure for defining the criteria by which data collection design is satisfied in order to support release decisions for a survey unit. The DQOs at the Site include:

- Clarifying the problem;
- Defining the data necessary for achieving the end use decisions;
- Determining the appropriate method of data collection; and
- Specifying the level of decision errors acceptable for establishing the quantity and quality of data needed to support the project decisions.

The overall Quality Assurance (QA) objective for this FSSP is to develop and implement a methodology for obtaining and evaluating data that meet the DQOs to evaluate whether the cleanup criteria are satisfied. Specifically, radionuclide data will be generated to demonstrate that the Site has achieved the remediation criteria. QA procedures are established to ensure that field measurements, sampling methods, and analytical data provide information that is comparable and representative of actual field conditions, and that the data generated are technically defensible.

To determine DQOs, a series of planning steps are used, as specified in the U.S. Environmental Protection Agency (EPA) Guidance for Data Quality Objective Process QA/G-4 (EPA, 2006), to identify the data needed to support project decisions and develop a data collection methodology. The process is intended to be iterative, optimizing data collection to meet the applicable decision criteria.

3.1 State the Problem

The Site has been extensively investigated, remediated, and evaluated via FSS; however, data gaps exist due to: (1) FSS surveys that were not performed in accordance with MARSSIM, and (2) inaccessible regions underneath buildings that were still standing at the time of previous surveys; these buildings have subsequently been demolished thereby making the ground surface within each building footprint accessible.

RCOCs at the Site have been identified as Ra-226 + Ra-228, and Th-230 + Th-232. The currently accepted cleanup criteria, as promulgated in the 2005 ESD (EPA, 2005), and as stated in **Section 2.2** of this FSSP, is 5.0 pCi/g above background for each nuclide pair.

The "problem" therefore is to demonstrate that the identified data gap areas satisfy, or dissatisfy, the cleanup criteria for the RCOCs. Therefore, the goal of this FSSP is to design a survey methodology, in accordance with MARSSIM, which will demonstrate with a level of confidence, the residual activity of RCOCs relative to the 2005 cleanup criteria.

3.2 Identify the Decision

The surveys will be designed to provide adequate data for making statistically defensible decisions regarding the release status of the Site. If the survey data indicates that the Site satisfies cleanup criteria then no further action is required relative to radiological contamination. If the

data indicates that the residual contamination exceeds cleanup criteria, then additional evaluations, investigation, and/or remediation may be required.

3.3 Identify Inputs to the Decision

Decisions will be based on the data received from a combination of surveying and sampling events, including, but not limited to, field surveys and analytical laboratory results. The objective of the survey and sampling activities are to identify the concentrations of residual radioactive material in the survey units. This information will allow determination of whether or not a survey unit is likely to be suitable for release. The average soil concentrations will be evaluated to verify that the radiological cleanup criteria are met. Compliance will be demonstrated using:

- Systematic Soil Samples
- Biased Soil Samples
- Gamma Walkover Surveys
- Gamma Down-hole Surveys, if applicable
- Data Evaluation

3.4 Define the Study Boundaries

Data Population:
The data population of interest for the Site is the concentration of RCOCs and their associated comparison to the release criteria. A separate data population of concern is the activity concentration of RCOCs in the designated background reference area.

Spatial and Temporal Boundaries:
Survey units will subdivide the information geographically. The spatial boundaries of the project are horizontally limited to land areas located in the Site boundaries of Parcel A (including the Lounge Building footprint), Lower Parcel C, and footprints/work areas of the Dickson warehouse and Benbow building on Upper Parcel C. The vertical study area primarily includes surface soil over the vast majority of the Site. In pre-identified “exempt” areas, subsurface investigation may be performed to depths corresponding to historical limits of excavation. The study period begins with acceptance of this document and runs throughout the duration of FSS activities, culminating in the acceptance of Final Status Survey Reports by stakeholders.

Constraints on Data Collection:
Appropriate constraints will be placed on data collection to ensure high quality data is collected. All samples will be taken in accordance with the methodology identified in this FSSP, as well as applicable SEC procedures including a site-specific Field Sampling Plan.

3.5 Develop a Decision Rule

Parameter of Interest:
Parameters of interest are the mean, median, and standard deviation of data collected during the study. Nonparametric statistical tests will be utilized to determine whether or not the level of residual activity uniformly distributed throughout the survey unit exceeds the cleanup criteria. Since these methods are based on ranks, the results are generally expressed in terms of the

median. In some cases, the mean may exceed the median. For this reason, the arithmetic mean of the survey unit data will also be compared to the cleanup criteria as a first step in the interpretation of the data. By using a graded approach to data testing as discussed below, decisions will be made according to the decision rule stated at the end of this discussion.

Scale of Decision Making:
Decisions are made on two fundamental scales: the survey unit, and smaller localized areas of elevated activity. Localized areas of elevated radiation levels are evaluated on an ongoing basis throughout the field effort. In cases where clear indications of elevated measurements are observed, decisions on remediation, survey unit subdivision, etc., may be made as appropriate. On a larger scale, and as a final determination, data will be evaluated on a survey-unit specific basis. For localized areas with radioactive concentrations above the cleanup criteria, an elevated measurement comparison (EMC) will be performed.

Action Level:
Decisions on a survey unit's acceptability are based on a comparison of the measured residual radioactivity concentrations in survey units and the background, subject to applicable statistical analyses specified in MARSSIM. The action level corresponds to the established cleanup criteria.

Decision Inputs:
Scanning and analytical results (gamma spectroscopy) will be used to evaluate the effectiveness of remedial activities. Results will be compared to soil cleanup criteria discussed in **Section 2.2**. Determination of whether or not RCOC concentrations exceed background concentrations by more than the cleanup criteria will be made using all collected data and a strict statistical methodology. If the survey unit does not meet the cleanup criteria, further investigation is warranted. This application of decision rules or investigation levels may prompt collection of additional samples, further remediation, or reclassification of the survey unit. If the survey unit meets the cleanup criteria, no further remediation will be required.

Decision Rule:

1. Compare the survey unit data directly to the cleanup criteria:
    a. If all individual systematic and bias samples results are below the cleanup criteria, after background subtraction, then the survey unit passes and no further evaluation is necessary.
    b. If any single measurement is above cleanup criteria, after background subtraction, then further evaluation needed; proceed to Step 2.
2. Perform the statistical tests:
    a. Perform the WRS Test:
        i. If any systematic sample results are above the cleanup criteria, after background subtraction, then perform the WRS Test as detailed in **Section 4.4**. Passing the WRS Test is a strong indication that the survey unit may pass.
    b. Perform the EMC Test:
        i. If any sample result (systematic or bias) is above the cleanup criteria, after background subtraction, then perform the EMC test as detailed in **Section 4.4**. Passing the EMC Test is a strong indication that the survey unit may pass.

3. Perform a retrospective sample frequency evaluation:
    a. A retrospective sample frequency evaluation looks at the known variability of the systematic data set (as opposed to the *a priori* variability generated from the characterization data) to determine if enough samples were collected to provide sufficient statistical strength.

Note that the retrospective sample frequency evaluation is only used as an indication of confidence in the outcome(s) of the tests performed in Steps 1 and 2. If it is determined that a sufficient number of samples were collected then confidence in the outcome is high. However, in no way does a determination that an insufficient number of samples were collected indicate that a survey unit fails; in this case, professional judgment is required to evaluate all available data and determine a proper course of action.

3.6 Define Acceptable Limits on Decision Errors

The decisions necessary to determine compliance with the soil cleanup criteria are based on precise statistical statements called hypotheses. These hypotheses will be tested using data from a survey unit. The state that is presumed to exist is expressed as the null hypothesis (H_0). For a given Null Hypothesis, there is a specified Alternative Hypothesis (H_a) that is an expression of what is believed to be the state of reality if the null hypothesis is not true.

Null and Alternative Hypotheses:
The hypotheses selected for the FSS are as follows:

Null Hypothesis (H_0):
The median concentration in the survey unit exceeds the median concentration in the reference area by more than the cleanup criteria.

Versus:

Alternative Hypothesis (H_a):
The median concentration in the survey unit does not exceed the median concentration in the reference area by more than the cleanup criteria.

These hypotheses were chosen because the burden of proof is on the Null Hypothesis. Therefore, the survey unit will not be released until proven to meet the cleanup criteria. The measured median concentration in the survey unit must be less than the cleanup criteria in order to pass.

These hypotheses also were chosen because contamination below the cleanup criteria is measurable. Releasing a survey unit that requires additional remediation is an unacceptable alternative.

Statistically based decisions will be utilized for evaluating the release criteria. Statistical acceptability decisions, however, are always subject to error. Two possible error types are associated with such decisions. These are discussed below and summarized in **Table 3-1**.

Table 3-1: Hypothesis Testing and Consequences of Errors

		Survey Unit Decision	
	Hypothesis	*"Success"* (Reject H_O)	*"Failure"* (Accept H_O)
"True" Condition of the Survey Unit	**H_A** Meets remedial objective (e.g., at or below cleanup criterion)	No decision error (probability = 1 - α)	Incorrectly fail to release survey unit (Type II error with probability = β)
	H_O Exceeds remedial objective (e.g., exceeds cleanup criterion)	Incorrectly release survey unit (Type I error with probability = α)	No decision error (probability = 1 - β)

The first type of decision error, called a Type I error, occurs when the null hypothesis (H_o) is rejected when it is actually true. A Type I error is sometimes called a 'false positive'. The probability of a Type I error is usually called "alpha" and is denoted by α. This error could result in higher potential doses to future site occupants than prescribed by the cleanup criterion. Therefore, for the purposes of this study, the maximum Type I error rate will be set to 0.05. This is considered acceptable due to the reasonably anticipated future land-use of the Property.

The second type of decision error, called a Type II error, occurs when the null hypothesis is not rejected when it is actually false. A Type II error is sometimes called a 'false negative'. The probability of a Type II error is usually called "beta" and is denoted by β. The power of a statistical test is defined as the probability of rejecting the null hypothesis when it is false. It is numerically equal to 1-β. Consequences of Type II errors include unnecessary remediation expense and project delays. For the purposes of this study, the maximum Type II error rate will be β=0.05.

Relative Shift:
The lower boundary of the gray region (LBGR) and the target values for α and β are selected during the DQO process. For FSS planning purposes at the Site, and in accordance with MARSSIM, the LBGR is set to one-half the cleanup criteria. The width of the gray region (DCGL - LBGR), is a parameter that is central to the Wilcoxon Rank Sum (WRS) test. This parameter also is referred to as the shift, Δ. The absolute size of the shift is actually of less importance than the relative shift Δ/σ, where σ is an estimate of the standard deviation of the measured values in the survey unit. For planning purposes, the estimate of σ was based on the Characterization Data (see **Section 2.4**). For data evaluation purposes, the actual σ of the systematic data set is applied. The relative shift, Δ/σ, is an expression of the resolution of the measurements in terms of measurement uncertainty. The value of the relative shift is used to calculate the number of samples required to demonstrate that a survey unit has met the applicable release criteria.

3.7 Optimizing the Design

The variability of data will have an effect on the sampling design. If necessary, the sample frequency and the analytical procedures will undergo changes to optimize the design. Changes

will occur concurrently for several steps within the DQO process. The design options, such as sample collection design, sample size, and analytical procedures will be evaluated based on cost and the ability to meet the DQOs. The number of measurement and sample locations are addressed in **Section 4.0**. This FSS design follows the framework for design outlined in Sections 4 and 5 of MARSSIM (EPA, 2000).

4.0 FINAL STATUS SURVEY DESIGN

This section provides a detailed overview of the additional design components, which are based on those established in **Section 2.0** (HSA, background reference activity, estimated data variability – sigma, and cleanup criteria) and in **Section 3.0** (DQOs including hypothesis testing and acceptable error rates). Additional components include:

- Survey unit classification (based on the HSA)
- Numbers and locations of discrete samples (based on characterization σ)
- Gamma scanning parameters
- Data evaluation techniques including:
    - Interpretation of survey results
    - Wilcoxon-Rank Sum evaluation (WRS Test)
    - Elevated measurement comparison test (EMC Test)
    - Retrospective statistical strength evaluation.

4.1 Survey Unit Classification

Prior investigations, remedial efforts, FSSs, and a recent HSA have been performed on the Site and have been used as the basis for the initial determination of the area classifications established in this section. The historic Site data and the HSA were used to determine the current radiological status of the Site. Area classification decisions are made relative to the cleanup criteria as follows:

- **Class 1** areas are known or expected to have radionuclide concentrations above the cleanup criteria.
- **Class 2** areas are known or expected to have radionuclide concentrations above normal background concentrations but that are not expected to be above the cleanup criteria.
- **Class 3** areas are not expected to contain any residual radioactivity, or only contain levels that are a small fraction of the cleanup criteria.

As relates to pertinent areas of the Site addressed in this FSSP (Parcel A, Lower Parcel C, and building footprints), all areas were appropriately classified as "Class 2" in accordance with the above MARSSIM definitions and the *Class 2 Justification Memorandum* (SEC, 2014b).

The recommended conditions for demonstrating compliance based on a Class 2 survey unit designation (MARSSIM Table 2.2) includes: systematic sampling (discrete samples), performing gamma scans over 10- to 100- percent of the survey unit, statistical testing (WRS Test), and EMC evaluations. These parameters are discussed in greater detail through the remainder of this Section.

4.1.1 Reassignment of Survey Unit Classification

The initial area classifications are based on a combination of available data and historical information. Additional information obtained during the implementation of the FSSP may lead to the determination that the initial classifications established in **Section 4.1** should be revised to be consistent with the definitions (also given in **Section 4.1**). Each survey area classification change

will be recorded as an FSSP variation and will be documented and may require approval by stakeholders prior to implementation.

In general, any area classification may be upgraded to a more restrictive final survey protocol (e.g., from Class 2 to Class 1) upon receipt of additional survey or measurement information that justifies the need for the higher classification. Stakeholders will be notified and contractual agreements will be made prior to upgrading survey unit classification.

Downgrading an area classification to a less restrictive final survey protocol (e.g., from Class 2 to Class 3) is not expected, but would require regulatory approval prior to implementation.

4.1.2 Survey Unit Size

MARSSIM recommends the maximum size for a Class 2 survey unit be limited to 10,000 square meters (m^2). This FSSP intends to conform to this recommendation. However, in cases where logistical considerations and/or survey results indicate a need to modify the design, and where those modifications would otherwise result in a small orphaned area, additional area may be added to an existing survey unit provided that the original systematic grid spacing (see Section 4.2) is maintained and extended into the additional area. This translates to collecting more samples within that survey unit, commensurate with the amount of additional area. It is not anticipated that exceeding the recommended survey unit size will occur during implementation of the FSSP.

4.2 Number of Samples per Survey Unit

The number of samples required for the WRS test is ultimately driven by the variability of the data set, the residual concentration of RCOCs relative to the cleanup criteria, and the acceptable decision error rates. The evaluation is made specific to each cleanup criterion and the most restrictive sampling requirement is applied. **Table 4-1** summarizes the *a priori* evaluation used to determine the number of samples required per survey unit. After data is collected and evaluated, a retrospective evaluation is performed to confirm that sufficient measurements were collected to support release decisions.

Table 4-1: Sample Location Requirements per Survey Unit

Sample Location (N/2) Requirement Evaluation	Class 2 Survey Units	
	Ra-226 + Ra-228	Th-230 + Th-232
Parameter	**Value**	**Value**
Cleanup Criteria:	5.0 pCi/g	5.0 pCi/g
Lower Bound of Gray Region (LBGR): *a priori* value equal to 1/2 cleanup criteria	2.5 pCi/g	2.5 pCi/g
Shift Δ: (Cleanup Criteria – LBGR)	2.5 pCi/g	2.5 pCi/g
Estimated Standard Deviation σ: (σ from 2014 Investigation – 28 data points)	0.87 pCi/g	0.43 pCi/g
Relative Shift (Δ/σ):	2.84	6.44
Probability Function Pr: (From MARSSIM Table 5.1, using the relative shift above)	0.974067	1.000000
Estimated Minimum Number of Discrete Sample Locations (N/2): (Using MARSSIM Table 5.3, alpha and beta = 0.05)	10	9

Based on the N/2 evaluation presented in **Table 4-1**, a minimum of 10 samples will be collected from each Class 2 survey unit as driven by the Ra-226 + Ra-228 criterion. Note that this minimum requirement includes an additional 20 percent to account for potentially lost or unusable data in accordance MARSSIM.

4.2.1 Locating Discrete Samples

The results of discrete soil sampling will be used to verify that the soil concentrations are less than the acceptance criteria. A predetermined minimum number of samples will be collected in each survey unit based on the evaluation presented in **Table 4-1**. A random-start triangular pattern, or grid (generally the most efficient means of identifying small areas of elevated activity as opposed to a square grid), will be used in each survey unit to locate the soil samples. The triangular grid has approximately a 90 percent chance of detecting a circular hot spot of radius equal to one-half the grid spacing. The spacing of this systematic grid would be:

$$L = \sqrt{\frac{A}{0.866(N)}} \tag{1}$$

Where:

L = triangular grid spacing for survey unit (m)
A = area of survey unit (m^2)
N = number of sample locations

For a 10,000 m^2 survey unit that consisted of 10 sample locations, *L* would be equal to 33.98 meters. This value of *L* would actually remain constant for all survey units greater than 10,000 m^2 (larger survey units are not anticipated during implementation of the FSSP). For survey units less than 10,000 m^2, the grid spacing will be reduced to meet the *a priori* minimum sampling requirement of 10 sample locations.

The routine method of random sampling described above presumes that the actual scan MDC is less than or equal to the required scan MDC, i.e., that there is sufficient scan sensitivity available to detect small areas of elevated activity. Based on a review of historical site data, the established cleanup criteria and the *a priori* scan-MDC evaluation (see **Section 4.3**), gamma scans can be used effectively at the Site to identify areas that require further investigation. For areas that require additional investigation, discrete bias samples may also be collected in addition to the systematic samples.

The systematic grid will be randomly distributed for each survey unit. The random start point (X and Y coordinates) will be selected using a readily available random number generator such as the "RAND()" function in the Microsoft computer application Excel© (or the Visual Sample Plan computer application), or the methodology outlined in Section 5.5.2.5 of MARSSIM. Sample points will be identified in the field by flags or other means using a global positioning system (or equivalent locating tool) to spot each grid node. Beginning at the random starting point, a row of measurement locations or points is identified parallel to the X axis at intervals of L. For a triangular grid, a second row of points is then developed parallel to the first row, and off-set at a distance of 0.866 x L from the first row. To ensure a sufficient number of data points are obtained for statistical purposes, the value of L should be rounded down to the nearest whole meter (m) that can be easily measured in the field. If a point falls outside the survey unit or at locations that cannot be surveyed, additional points may be determined using a random selection process. **Table 4-2** presents examples of grid spacing for various survey unit sizes. The size of the "Hot Spot" reflects that area that may be missed by the random sampling grid, these areas are addressed through scanning (see **Section 4.3**).

Table 4-2: Example FSS Land Area Sample Collection Density

Area *A* (m^2)	No. of Samples (*N*)	Distance between Grid Nodes *L* (m)	Size of "Hot Spot" (m^2)
5,000	10	24.03	453.52
7,500	10	29.43	680.25
8,000	10	30.39	725.36
9,000	10	32.24	816.36
10,000 +	10	33.98	906.85

To ensure a sufficient number of data points are obtained for statistical purposes, the value of L is rounded down to the nearest whole meter which is easily measured in the field. If a point falls outside the survey unit or at locations that cannot be surveyed, additional points may be determined using a random selection process. Survey unit-specific grid spacing will be calculated for each survey unit after actual sizes are determined from field surveys.

4.2.2 Bias Samples

A bias sample is a sample, either surface or subsurface, whose location has been intentionally selected to target areas of concern based on either the results of the gamma surveys or due to historical areas of concern identified during the HSA.

Initially, based on regulator comments and the preliminary HSA results, there were six (6) areas that were identified as potential subsurface investigation areas. However, during subsequent HSA activities, it was determined that the areas of concern were either fully remediated in 2001, or were subsequently remediated in 2003 to meet the 2005 ESD criteria (SEC, 2014b).

During the course of FSS activities, based on gamma scan results and/or stakeholder direction, surface and/or subsurface bias samples may be collected. Bias samples results will be compared directly to the cleanup criteria to establish compliance (i.e., the are not evaluated using the WRS test). Elevated bias sample results may be subject to EMC testing, in which case additional samples may be collected to bound the area of elevated activity and to assign area factors in accordance with MARSSIM (see **Section 4.4**).

Bias areas identified by either gamma scanning or by historical areas of concern will be adequately investigated to ensure that the activity and extent of the areas are known.

4.3 Gamma Walkover Surveys

Gamma Walkover Survey (GWS) scans are performed to identify isolated areas of elevated radioactivity that may not be detected by discrete soil sampling (i.e., confirm that radiological conditions in each survey unit are reasonably uniform). GWS scans of the soil surfaces within survey units are performed using a Differential Global Positioning System (DGPS) coupled to a Ludlum Model 44-10 2-inch by 2-inch sodium iodide (2x2 NaI) detector with a Ludlum Model 2221 scaler/ratemeter. The GWS will be performed following a MARSSIM protocol by scanning straight lines at a rate of approximately 0.5 meters per second while moving the detector in a serpentine motion of approximately one meter wide and a consistent distance from the soil surfaces. GWS data in gross counts per minute (cpm) from the ratemeter/scaler will automatically be logged into the DGPS handheld unit at a rate of once per second.

4.3.1 Minimum Land Area Scan Coverage

MARSSIM recommends that the minimum land area scan coverage for a Class 2 survey unit be between 10 and 100 percent. For the purposes of this FSS design, GWS will to the extent possible, be performed over 100 percent of all accessible areas within each survey unit. This is equivalent to the scan coverage requirement for a Class 1 survey and is considered appropriate for this FSS effort.

4.3.2 Scan Minimum Detectable Concentration

Scan Minimum Detectable Concentration (Scan-MDC, or MDC_{scan}) is a parameter of central importance to a MARSSIM survey. The ability to effectively detect small, localized areas of elevated activity that may be missed during the collection of random systematic sample locations

is necessary to ensure that all areas of a survey unit are adequately investigated and allows for greater confidence in the outcome of the statistical tests.

Field instrument use will be evaluated and controlled to verify that MDCs less than the appropriate limit for scanning measurements are routinely achieved. Implementation of these MDC requirements is discussed below. The MARSSIM framework for determining the MDC for field instrument scanning activities is based on the premise that there are two stages of scanning. That is, surveyors do not make decisions on the basis of a single indication; rather, upon noting an increased number of counts, they pause briefly and then decide whether to move on or take further measurements. Thus, scanning consists of two components: continuous monitoring and stationary sampling. Accordingly, field instrument surveyor scan MDCs, minimum detectable count rate-surveyor ($MDCR_S$), are calculated to control the occurrence of Type I (false positive) and Type II (false negative) errors using the following MARSSIM equation:

$$MDCR_S = \frac{MDCR}{\sqrt{p}\varepsilon} \tag{2}$$

Where MDCR is the minimum detectable count rate [counts per minute (cpm)], p is the surveyor efficiency (estimated in MARSSIM to be between 0.5 and 0.75; the value of 0.5 results in a more conservative $MDCR_S$ calculation and, therefore, will be used), and ε is the instrument efficiency (cpm per μR/hr; Table 6.4, NRC 1998). In addition:

$$MDCR = s_i\left(\frac{60}{i}\right) \tag{3}$$

Where:

$$s_i = d'\sqrt{b_i} \tag{4}$$

Where s_i (counts) is the minimal number of net source counts required for a specified level of performance for the counting interval i (seconds); d' is the index of sensitivity; and b_i is the number of background counts in the interval. Index of sensitivity d' values are listed in MARSSIM Table 6.5 based on the proportions for required true positive and tolerable false positive occurrence rates. The index of sensitivity value selected for initial use at the Site is 1.38, corresponding to a true positive proportion of 0.95 and a false positive proportion of 0.60. While this index of sensitivity value will result in at least 95 percent "correct" scanning detections as required by the Site DQO for Type I error control, up to 60 percent "incorrect" (false positive) scanning detections may occur. For the purpose of this survey, the high rate of false positives is considered appropriate to ensure that an adequate investigation is performed. However, should this become an intolerable compromise, a larger index of sensitivity value corresponding to the 0.95 true positive proportion may instead be used provided the required scan MDC is achieved.

Calculated scan MDCs for a survey instrument equipped with 2x2 NaI scintillation detector using the MARSSIM two-stage scanning framework are summarized for a 15 cm thick contamination layer of Ra-226 and Th-232 in **Table 4-3** below.

Table 4-3: 2x2 NaI Scintillation Dector Scan-MDCs

Radionuclide	Scan MDC (pCi/g)[a]	Single Radionuclide Cleanup Criteria (pCi/g)[b]
Ra-226[c]	2.0	2.5
Th-232[c]	1.3	2.5

[a] Background level assumed to be 5,000 cpm (conservative based on recent survey data).
[b] Set to one-half the combination of Ra-226+Ra-228 and Th-230+Th-232, respectively.
[c] In equilibrium with progeny.

As shown in **Table 4-3**, the Scan-MDC for Ra-226 and Th-232 are comfortably below their respective DCGL values. Scan-MDCs using a 2x2 NaI detector and the scanning technique described above are expected to be significantly lower. Additionally, the absence of strong gamma emissions from Ra-228 and Th-230 is accounted for by reducing the "Single Radionuclide Cleanup Criteria" by one-half of the combined cleanup criteria (5.0 pCi/g).

4.4 Interpretation of Survey Results

The initial evaluation of survey results will determine compliance for each survey unit by comparing survey unit statistics (mean, and/or median, and maximum) against the cleanup criteria. **Table 4-4**, reproduced from MARSSIM, illustrates the intended conclusions relative to the data set.

Table 4-4: Initial Survey Unit Evaluation Conclusions

Survey Result	Conclusion
If the difference between maximum survey unit result and the minimum reference area result is less than the cleanup criteria, then:	The survey unit meets release criterion.
If the difference of the survey unit results average and the reference area results average is greater than the cleanup criteria, then:	The survey unit does not meet release criterion.
If the difference between any survey unit result and any reference area result is greater than the cleanup criteria, and the difference of the survey unit average and reference area average is less than cleanup criteria, then:	Conduct the following Wilcoxon Rank Sum (WRS) Test and Elevated Measurement Comparison (EMC) if necessary, to determine if the unit meets release criterion.

Therefore, if all results (Ra-226 + Ra-228, and Th-230 + Th-232, evaluated independently) after background subtraction are below their respective cleanup criterion, then the survey unit satisfies cleanup criteria and no further evaluation is warranted (i.e., WRS test and EMC test are not required).

If the average of the respective results, after background subtraction, is greater than their respective cleanup criterion, then the survey unit will be deemed to have failed and additional investigations and/or remediation should be considered.

If any single measurement exceeds their respective cleanup criterion, then further evaluation via WRS testing and EMC evaluation shall be performed as described in the following sections.

4.4.1 WRS and EMC Testing

The WRS test discussed in this section may also be used to compare each survey unit with the reference area. This test was chosen because contamination is present in the background at the Site.

The comparison of measurements from a reference area to the survey unit is made using the WRS test (MARSSIM [EPA, 2000]). The WRS test is effective when residual radioactivity is uniformly present throughout a survey unit (i.e., the sample distribution is symmetrical). The test is designed to detect whether or not activity exceeds the cleanup criteria.

The Null Hypothesis is assumed to be true unless the statistical test indicates that it should be rejected in favor of the alternative. It is assumed that any difference between the reference area and survey unit concentration distributions is due to a shift in the survey unit concentrations to higher values (i.e. due to the presence of residual radioactivity in addition to background that exceeds cleanup criteria). Survey units may meet the release criteria even though some measurements may be greater than some reference area measurements. Also, survey unit measurements may exceed some reference area measurements by more than the cleanup criteria. The result of the hypothesis test determines whether or not the survey unit as a whole meets the release criterion.

Two underlying assumptions of the WRS test are:

- Samples from the reference area and survey unit are independent, identically distributed random samples; and
- Each measurement is independent of every other measurement, regardless of the set of samples from which it came.

If all of the sample results are less than the cleanup criteria then no WRS statistical evaluation is required.

4.4.1.1 Performing the Wilcoxon Rank Sum Test

The WRS test is applied as outlined in the following six steps by MARSSIM (EPA, 2000):

Step 1

Obtain the adjusted reference area measurements, Z_i, by adding the $DCGL_W$ to each reference area measurement, X_i. $Z_i = X_i$ + cleanup criterion.

Step 2

The *m* adjusted reference sample measurements, Z_I, from the reference area and the *n* sample measurements, Y_I, from the survey unit are pooled and ranked in order of increasing size from 1 to N, where $N = m + n$.

Step 3

If several measurements are tied (i.e., have the same value), they are all assigned the average rank of that group of tied measurements.

Step 4

If there are *t* less than (<) the decision level (L_c) values, they are all given the average of the ranks from 1 to *t*. Therefore, they are all assigned the rank $t(t+1)/2t = (t+1)/2$, which is the average of the first *t* integers. If there is more than one detection limit, all observations below the largest detection limit should be treated as < values.

Step 5

Sum the ranks of the adjusted measurements from the reference area, W_r. Note that since the sum of the first N integers is N(N+1)/2, one can equivalently sum the ranks of the measurements from the survey unit, W_s, and compute $W_r = N(N+1)/2 - W_s$.

Step 6

Compare W_r with the critical value given in MARSSIM Table I.4, Critical Values for the WRS Test, for the appropriate values of *n*, *m*, and . If W_r is greater than the tabulated value, reject the Null Hypothesis that the survey unit exceeds the release criterion. The standard deviation of the sample set is then calculated to establish the relative shift of the test. The relative shift is used to investigate whether or not the survey unit has the proper number of samples.

4.4.1.2 Elevated Measurement Comparison

Both the measurements at discrete locations and the scans may be used to identify elevated areas within a survey unit. Analytical results of soil samples may be used to complete the elevated measurement comparison. If residual radioactivity is found in a localized area of elevated activity—in addition to the residual radioactivity distributed relatively uniformly across the survey unit−the Unity Rule discussed above shall be used to ensure that the release criterion has been met as follows:

$$\frac{\delta}{DCGL} + \sum_{x+1}^{n} \frac{(\delta_{EMC} - \delta)}{DCGL_{EMC}} \leq 1 \qquad (5)$$

where:

δ = the average concentration of Ra-226+Ra-228, or Th-230+Th-232 over the entire survey unit,

δ_{EMC} = the average concentration of Ra-226+Ra-228, or Th-230+Th-232 over the elevated area x within the survey unit,

DCGL = appropriate Ra-226+Ra-228, or Th-230+Th-232 cleanup criterion value,

$DCGL_{EMC}$ = (area factor for elevated area x) X (cleanup criterion value),

x = refers to one of the elevated areas within the survey unit, and

n = the total number of elevated areas within the survey unit.

If there is more than one elevated area, a separate term shall be included for each area. The result of the EMC shall be used as a trigger for further investigation. The investigation may involve taking further measurements to determine that the area and level of the elevated residual radioactivity are such that the resulting dose or risk meets the release criterion. The investigation shall provide adequate assurance, using the DQO process, that there are no other undiscovered areas of elevated residual radioactivity in the survey unit that might otherwise result in an exceedance of the release criterion. In some cases, this may lead to reclassifying a survey unit; unless the results of the investigation indicate that reclassification is not necessary.

4.5 Anticipated Breakdown of FSS Activities

The entirety of Parcel A will be subject to a Class 2 Survey. Parcel A is approximately 28,000 m^2 in area; therefore, three (3) Class 2 survey units are planned, each with a nominal size of approximately 9,500 m^2. Each survey unit will be subject to a 100 percent GWS of all accessible areas. Each survey unit will require a minimum of 10 systematic samples, collected from a triangular systematic grid established from a random staring point. All systematic samples will be collected from the surface. Additionally, Bias samples may be collected from areas corresponding to the historic footprint of the Lounge Building, as well as the historic EPA "exempt areas". Bias sampling may involve subsurface samples collected via geoprobe.

The entirety of Lower Parcel C will be subject to a Class 2 survey. Lower Parcel C is approximately 9,000 m^2 and will be subject to a single FSS as described above. Additional bias locations within Lower Parcel C, which correspond to historic EPA "exempt" areas may be subject subsurface bias sampling as described above.

The areas of concern for Upper Parcel C are limited to the historic footprints of the Dickson Warehouse and the Benbow Building. Each building footprint will represent the extent of an individual Class 2 survey unit which will be implemented as described above. Additionally, surface scanning immediately adjacent to the building footprints will be performed to ensure that recent demolition activities did not spread contamination.

No FSS is recommended or necessary for Parcel B, based on prior FSS within the Parcel and the absence of activity since the FSS was performed.

Table 4-5: Anticipated Site-wide FSS Activity Summary

Location	Total Survey Units	Total Systematic Samples[1]	Possible Bias Locations[1,2]	10% QC Samples[1]	Total Samples[1]
Parcel A	3	30	4	4	38
Parcel B	0	0	0	0	0
Lower C	1	10	2	2	14
Dickson	1	10	1	2	13
Benbow	1	10	1	2	13
Totals:	6	60	8	10	78

[1] Estimated numbers required in accordance with this FSSP, actual numbers may increase or decrease.
[2] Bias locations may increase or decrease based on survey results and stakeholder direction regarding historical exempt areas.

Figure 4-1 provides an example of potential survey units on the site.

Figure 4-1: Idealized Survey Unit Layout Example

5.0 SURVEY INSTRUMENTATION AND MEASUREMENT TECHNIQUES

This section presents a description of radiological field instrumentation and laboratory measurements that will be used during implementation of this FSSP.

5.1 Land Areas Survey Instrumentation

Prior to the initiation of FSS activities, a 2x2 NaI scintillation detector will be used to develop an MDC and investigation level for gamma scanning of soils. The *a priori* Scan-MDC evaluation was presented in **Section 4.3.2**.

5.1.1 Detection Sensitivity Requirements

Field instrument use will be evaluated and controlled to verify that MDCs less than the appropriate cleanup criteria for scanning measurements are routinely achieved. Implementation of these MDC requirements was discussed in **Section 4.3.2**.

5.2 Laboratory Analysis

An independent, off-site, Environmental Laboratory Approval Program (ELAP)-certified laboratory, will perform radiological analysis of FSS soil samples. The selected radiochemistry laboratory shall be capable of providing the analytical services required to meet the project DQOs.

Table 5-1 contains a list of gamma and x-ray emissions from the site radiological COCs that may used for determining soil activity concentrations.

Table 5-1: Spectroscopic Gamma Energy Lines and Minimum Detectable Concentrations for Site RCOCs

Radiological COC	Direct / Inferred	Inferred Radionuclide	Photon Emission (keV), *primary	Yield (%)	Sample BEGe MDC (pCi/g)(a)
Th-232	Inferred	Pb-212	238.6	43.3	
		Ac-228	*911.2	25.8	0.25
Th-230	Direct	Not Applicable	12.3 (x-ray) *67.6 (x-ray)	7.7 0.38	~20
Ra-226	Direct	Ra-226	*186.2	3.59	0.5 – 2.5
	Inferred	Bi-214	609.3 1120.3 1764.5	46.3 14.9 15.8	0.05
		Pb-214	242.0 295.2 351.9	7.3 18.4 35.6	0.04
Ra-228	Inferred	Ac-228	*911.2	25.8	0.25

(a) The nuclide MDC values stated in the table are from a 1,500 gram sugar background sample in a Marinelli beaker counted for 20 minutes on a 60% detector inside a lead cave. Actual Site MDCs will vary depending upon detector characteristics, count time, geometry, and activity content of samples.

FSS soil samples will be analyzed off-site for the nuclides of concern via gamma spectroscopy. Ra-226 will be analyzed by gamma spectroscopy after progeny ingrowth (Pb-214 or Bi-214) within a sealed counting container.

6.0 QUALITY ASSURANCE PROGRAM

The objective of a QA program is to identify and implement sampling and analytical methodologies that limit the introduction of error into analytical data. In general, field QA/QC shall be in accordance with the SEC Field Sampling Plan (FSP) (SEC, 2014c) for this FSSP. Laboratory QA/QC responsibilities will rest with the NYS certified contract laboratory.

6.1 FSSP Performance Assessment

On-going assessments and surveillances of FSSP implementation will be conducted in accordance with SEC field sampling plan requirements. Corrective actions resulting from observations shall be promptly implemented. Surveillances (work practice observations) will be informal routine occurrences at the Site, and will be performed by a SEC senior field crew member. The surveillance objective is twofold: (1) verify FSSP requirements are being anticipated and implemented correctly, and (2) identify improvements in work practices improving project efficiency. Supervisory project personnel will be responsible for the effectiveness of the surveillance portion of FSSP performance assessment.

6.2 Field Instrumentation

For all counting systems and instruments used as part of analytical analyses, at a minimum, the following QC principles will be applied.

6.2.1 Procedures

Counting systems and instruments will be used in accordance with approved SEC procedures, as detailed in the Site-specific Field Sampling Plan (FSP) (SEC, 2014d).

6.2.2 Source and Instrument Checks

Each day that a portable counting system and instrument are used, the system's response will be checked using an appropriate source prior to use at the start of a shift and also following use at the end of a shift. Additional response checks may be necessary depending on the counting system used. In addition:

- For field instrumentation, source check acceptance criteria (e.g., ±2 σ for direct [integrated] measurements and ±20 percent for rate measurements) will be established prior to beginning the project.
- All source check results will be documented.
- Failed source checks will be repeated. Consecutive failure will result in additional testing of the counting system, in accordance with the applicable procedure, and ultimately removing the counting system from service.
- Survey data acquired prior to an instrument failing a source check will be reviewed and documented by the Data Manager to determine the validity of the data.
- All instrument failures in the field will be followed by a documented investigation of suspect data.

6.2.3 Background Determination

When FSS activities are conducted, the ambient background will be determined and documented at least once daily per instrument, depending on the instrument used and the variability in the background.

6.2.4 Calibration

All counting systems and instruments will be calibrated with a National Institute of Standards and Technology (NIST)-traceable source at intervals not exceeding 12 months, or as recommended by the manufacturer for portable field survey instruments. The source used will be appropriate for the type and the energy of the radiation to be detected. All calibrations will be documented and include the source data.

6.3 Sample Collection

Soil sampling will be performed in accordance with the Site-specific SAP (SEC 2014d).

6.4 Analytical Laboratory Services

Radiological analytical services provided by each laboratory will be provided in accordance with their internal laboratory QAP (LQAP) implemented by documented policies and procedures. The Data Manager shall confirm that the management objectives of the LQAP, policies, and procedures are to produce data that are scientifically valid, defensible, and of known and documented quality. The Data Manager shall be cognizant of the nature and extent of each laboratory's LQAP and establish a notification protocol with the laboratory should the laboratory QC officer identify LQAP deviations adversely affecting results for the Site.

6.4.1 Laboratory Analysis Specifications

For each laboratory analysis requested, the following minimum specifications will be provided to the laboratory on the appropriate CoC record:

- Required analyses and/or analytical methodology,
- Nonstandard results presentation requirements,
- Sample disposition (disposed or archived), and
- Turnaround time required.

6.4.2 Laboratory Quality Assurance/Quality Control

The contract laboratory shall be ELAP certified and compliant. Data packages shall indicate the laboratories QA/QC qualifications and/or deficiencies.

7.0 DATA PACKAGES AND DELIVERABLES

Each survey unit will be evaluated in accordance with MARSSIM, and recommendations regarding the release of the survey unit, based upon satisfaction of cleanup criteria, will be made. The entire data set, and all evaluations used to arrive at conclusions and recommendation will be assembled and provided to all stakeholders. Information to be included in the final report(s) includes:

- Summary of FSS parameters (size, location, classification, sample totals)
- Analytical data, including laboratory data packages
- GWS data including plots of sample locations
- Down-hole gamma logging data, if applicable
- Data set statistics
- WRS Test results, if applicable
- EMC Evaluation results, if applicable
- Descriptions of any QA/QC issues encountered, if applicable
- Conclusions and Recommendations related to the release status of the survey unit and/or Parcel and/or Site.

8.0 REFERENCES

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ATTACHMENT 2

PWGC Letter Report

Recycled Concrete Aggregate Testing – Former Li Tungsten Site - Parcel A

November 17, 2014

Ellis Koch
RXR-Glen Isle Partners, LLC
9 Gerhard Road
Plainview, NY 11803

RE: Recycled Concrete Aggregate Testing – Former Li Tungsten Site - Parcel A

Dear Mr. Koch:

P.W. Grosser Consulting, Inc. (PWGC) has prepared this letter to detail the recent recycled concrete aggregate (RCA) characterization sampling performed at the site.

A final status survey is being performed across the former Li Tungsten site in accordance with the multi-agency radiation survey and site investigation manual (MARSSIM). As part of the survey, existing concrete slabs and building foundations are being removed to access surface and subsurface soils. The concrete is scanned for radiation as part of the survey and if radiation levels are acceptable, it is moved to a designated location on the parcel for crushing.

On Parcel A, two stockpiles of RCA have been generated to date. One is located in the northeast corner of the property and the other is located in the southeast corner of the property in the vicinity of the former Lounge Building. In order to evaluate the potential for reuse onsite, characterization sampling of the northeast stockpile was performed.

On October 29, 2014, an excavator was utilized to perform seven test pits in the northeast RCA stockpile. The location of the test pits are shown in **Figure 1**. At each test pit RCA fines were collected for characterization. The sampling frequency was determined utilizing Table 4: Recommended Number of Soil Samples for Soil Imported to or Exported From a Site from New York State Department of Environmental Conservation's (NYSDEC's) *Final Commissioner Policy, CP-51 / Soil Cleanup Guidance*. Given the approximate size of the stockpile (800-1,000 cubic yards), a total of seven discrete and two composite samples were collected. Discrete samples were analyzed for volatile organic compounds (VOCs) and composite samples were analyzed for semi-volatile organic compounds (SVOCs), metals, pesticides, polychlorinated biphenyls (PCBs), Radium-226, and other gamma emitters.

Laboratory analytical results were compared to the site specific soil cleanup objectives (SCOs) established in the decision document for the site for commercial use. Analytical results were within site specific SCOs with the exception of mercury in the composite sample collected from the southern half of the stockpile. Mercury was detected at a concentration of 3.8 mg/kg in the southern composite sample and the site specific SCO for mercury is 0.81 mg/kg. Summary tables are included as **Table 1** through **5** and complete laboratory analytical report is included as **attachment 1**.

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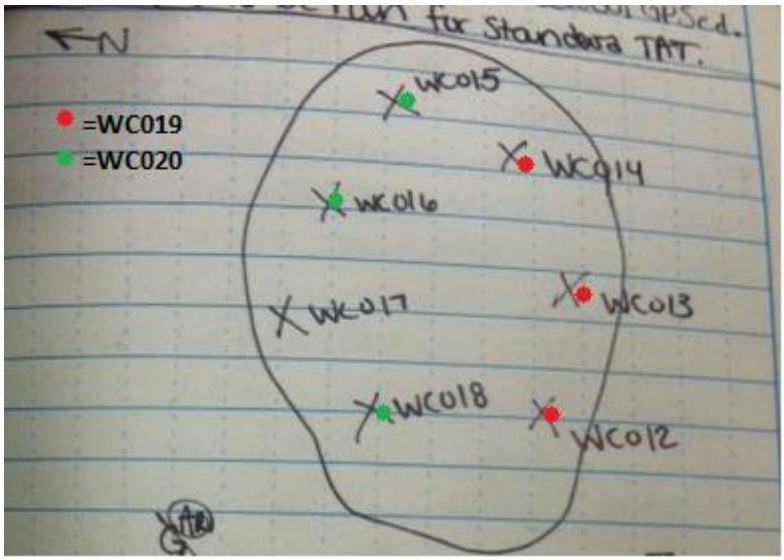
FIGURE 1



TABLES

Table 1
Soil Sample Analytical Data Summary
Volatile Organic Compounds
EPA Method 8260

LiTungsten Site

Client Sample ID:	NYSDEC [1]	WC012		WC013		WC014		WC015		WC016		WC017		WC018	
Laboratory ID:	Commercial	460-85311-1		460-85311-2		460-85311-3		460-85311-4		460-85311-5		460-85311-6		460-85311-7	
Sampling Date:	Use	10/29/2014		10/29/2014		10/29/2014		10/29/2014		10/29/2014		10/29/2014		10/29/2014	
Volatile Organic Compounds (µg/kg)															
1,1,1-Trichloroethane[f]	500,000[b]	0.24	U	0.23	U	0.23	U	0.36	U	0.27	U	0.27	U	0.38	U
1,1,2,2-Tetrachloroethane	NS	0.16	U	0.15	U	0.15	U	0.23	U	0.18	U	0.17	U	0.25	U
1,1,2-Trichlorotrifluoroethane	NS	0.25	U	0.24	U	0.25	U	0.38	U	0.29	U	0.28	U	0.40	U
1,1,2-Trichloroethane	NS	0.29	U	0.27	U	0.28	U	0.43	U	0.33	U	0.32	U	0.46	U
1,1-Dichloroethane[f]	240,000	0.22	U	0.20	U	0.21	U	0.32	U	0.24	U	0.42	J	0.34	U
1,1-Dichloroethene[f]	500,000[b]	0.28	U	0.26	U	0.27	U	0.41	U	0.31	U	0.31	U	0.44	U
1,2,4-Trichlorobenzene	NS	0.32	U	0.30	U	0.32	U	0.48	U	0.37	U	0.36	U	0.52	U
1,2,4-Trimethylbenzene[f]	190,000	1.6		0.43	J	8.6		1.2	J	0.27	J	0.42	J	3.8	
1,2-Dibromo-3-chloropropane	NS	0.55	U	0.52	U	0.54	U	0.82	U	0.63	U	0.61	U	0.88	U
1,2-Dibromoethane	NS	0.22	U	0.20	U	0.21	U	0.32	U	0.24	U	0.24	U	0.34	U
1,2-Dichlorobenzene[f]	500,000[b]	0.16	U	0.15	U	0.15	U	0.23	U	0.18	U	0.17	U	0.25	U
1,2-Dichloroethane	30,000	0.34	U	0.32	U	0.33	U	0.50	U	0.38	U	0.37	U	0.54	U
1,2-Dichloropropane	NS	0.29	U	0.27	U	0.28	U	0.43	U	0.33	U	0.32	U	0.46	U
1,3,5-Trimethylbenzene[f]	190,000	0.50	J	0.21	U	2.7		0.56	J	0.26	U	0.25	U	1.3	J
1,3-Dichlorobenzene[f]	280,000	0.24	U	0.23	U	0.23	U	0.36	U	0.27	U	0.27	U	0.38	U
1,4-Dichlorobenzene	130,000	0.25	U	0.24	U	0.25	U	0.38	U	0.29	U	0.28	U	0.40	U
1,4-Dioxane	130,000	14	U	13	U	14	U	21	U	16	U	16	U	23	U
2-Butanone	500,000[b]	8.9		11		10		12		8.2		27		21	
2-Hexanone	NS	0.83	U	0.78	U	0.81	U	1.2	U	0.94	U	0.92	U	1.3	U
4-Methyl-2-pentanone	NS	0.82	U	0.77	U	0.79	U	1.2	U	0.92	U	0.91	U	1.3	U
Acetone	500,000[b]	80		87		91		87		61		230		140	
Benzene	44,000	0.23	U	0.21	U	0.22	U	0.34	U	0.26	U	0.25	U	0.36	U
Bromodichloromethane	NS	0.19	U	0.18	U	0.19	U	0.29	U	0.22	U	0.21	U	0.31	U
Bromoform	NS	0.18	U	0.17	U	0.18	U	0.27	U	0.20	U	0.20	U	0.29	U
Bromomethane	NS	0.43	U	0.41	U	0.42	U	0.64	U	0.49	U	0.48	U	0.69	U
Carbon disulfide	NS	8.8		4.2		0.20	U	7.5		2.6		6.2		6.0	
Carbon tetrachloride[f]	22,000	0.22	U	0.20	U	0.21	U	0.32	U	0.24	U	0.24	U	0.34	U
Chlorobenzene	500,000[b]	0.20	U	0.19	U	0.20	U	0.30	U	0.23	U	0.23	U	0.32	U
Chloroethane	NS	0.58	U	0.54	U	0.56	U	0.86	U	0.65	U	0.64	U	0.92	U
Chloroform	350,000	0.19	U	0.18	U	0.19	U	0.29	U	0.22	U	0.21	U	0.31	U
Chloromethane	NS	0.28	U	0.26	U	0.27	U	0.41	U	0.31	U	0.31	U	0.44	U
cis-1,2-Dichloroethene[f]	500,000[b]	0.68	J	0.30	J	0.30	J	0.80	J	0.31	J	1.3		0.90	J
cis-1,3-Dichloropropene	NS	0.20	U	0.19	U	0.20	U	0.30	U	0.23	U	0.23	U	0.32	U
Cyclohexane	NS	0.25	U	0.24	U	0.25	U	0.38	U	0.29	U	0.28	U	0.40	U
Dibromochloromethane	NS	0.24	U	0.23	U	0.23	U	0.36	U	0.27	U	0.27	U	0.38	U
Dichlorodifluoromethane	NS	0.35	U	0.33	U	0.34	U	0.52	U	0.39	U	0.39	U	0.55	U
Ethylbenzene[f]	390,000	0.27	J	0.16	U	0.92	J	0.25	U	0.19	U	0.19	U	0.53	J
Isopropylbenzene	NS	0.23	U	0.21	U	0.29	J	0.34	U	0.26	U	0.25	U	0.36	U
Methyl acetate	NS	1.1	U	1.1	U	1.1	U	1.7	U	1.3	U	1.3	U	1.8	U
Methyl tert butyl ether[f]	500,000[b]	0.24	U	0.23	U	0.23	U	0.36	U	0.27	U	0.27	U	0.38	U
Methylcyclohexane	NS	0.23	U	0.21	U	0.22	U	0.34	U	0.26	U	0.25	U	0.36	U
Methylene chloride	500,000[b]	0.46	U	0.43	U	0.44	U	0.68	U	0.52	U	0.51	U	0.73	U
n-Butylbenzene[f]	500,000[b]	0.17	U	0.16	U	0.16	U	0.25	U	0.19	U	0.19	U	0.27	U
n-Propylbenzene[f]	500,000[b]	0.24	U	0.23	U	0.64	J	0.36	U	0.27	U	0.27	U	0.38	U
sec-Butylbenzene[f]	500,000[b]	0.26	U	0.25	U	0.26	U	0.39	U	0.30	U	0.29	U	0.42	U
Styrene	NS	2.1		0.27	U	0.34	J	14		3.9		0.32	U	6.4	
tert-Butylbenzene[f]	500,000[b]	0.22	U	0.20	U	0.21	U	0.32	U	0.24	U	0.24	U	0.34	U
Tetrachloroethene	19,000	0.24	U	0.50	J	0.23	U	0.77	J	0.80	J	4.2		1.4	J
Toluene	500,000[b]	0.32	U	0.61	J	0.82	J	0.77	J	0.75	J	0.67	J	1.1	J
trans-1,2-Dichloroethene[f]	500,000[b]	0.25	U	0.24	U	0.25	U	0.38	U	0.29	U	0.28	U	0.40	U
trans-1,3-Dichloropropene	NS	0.22	U	0.20	U	0.21	U	0.32	U	0.24	U	0.24	U	0.34	U
Trichloroethene	200,000	0.74	J	1.4		0.59	J	2.0		0.98	J	3.4		2.3	
Trichlorofluoromethane	NS	0.23	U	0.21	U	0.22	U	0.34	U	0.26	U	0.25	U	0.36	U
Vinyl chloride[f]	13000.00	0.29	U	0.27	U	0.28	U	0.43	U	0.33	U	0.32	U	0.46	U
Xylenes, Total	500,000[b]	1.4	J	0.41	U	7.4		0.74	J	0.49	U	0.48	U	3.6	J

Notes:

(1) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Restriced Use of Soil Cleanup Objective Table 375-6.8b 12/06

b - The SCOs for commercial use were capped at a maximum value of 500,000 ppb, see TSD Section 9.3

e - For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is used as the SCO value.

f - For constituents where the calculated SCO was lower than the rural soil background concentration, as determined by the department and department of health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site.

NS - No Standard

B - Compound was found in the blank and sample.

J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The "J" data may be biased high or low or the direction of the bias may be indeterminable.

JN - The analysis indicated the presence of a compound that has been "tentatively identified" (N) and the associated numerical value represents its approximate (J) concentration.

R - Data rejected ® on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

U - The analyte was analyzed for, but due to blank contamination was flagged as non-detect (U). The result is usable as nondetect.

UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The "UJ" data may be biased low.

Highlighted text denotes concentrations exceeding NYSDEC Restricted-Residential Use SCO

Table 2
Soil Sample Analytical Data Summary
Semi-Volatile Organic Compounds
EPA Method 8270

LiTungsten Site

Client Sample ID:	NYSDEC [1]	WC019		WC020	
Laboratory ID:	Commercial	460-85311-8		460-85311-9	
Sampling Date:	Use SCOs	10/29/2014		10/29/2014	
Semi-Volatile Organic Compounds					
2,4,5-Trichlorophenol	NS	190	U	37	U
2,4,6-Trichlorophenol	NS	53	U	11	U
2,4-Dichlorophenol	NS	44	U	8.8	U
2,4-Dimethylphenol	NS	410	U	82	U
2,4-Dinitrophenol	NS	1,400	U	280	U
2,4-Dinitrotoluene	NS	74	U	15	U
2,6-Dinitrotoluene	NS	99	U	20	U
2-Chloronaphthalene	NS	42	U	8.5	U
2-Chlorophenol	NS	47	U	9.5	U
2-Methylnaphthalene	NS	41	U	62	J
2-Methylphenol	NS	81	U	16	U
2-Nitroaniline	NS	61	U	12	U
2-Nitrophenol	NS	62	U	13	U
3,3'-Dichlorobenzidine	NS	210	U	42	U
3-Nitroaniline	NS	55	U	11	U
4,6-Dinitro-o-cresol[f]	500,000[b]	500	U	100	U
4-Bromophenyl phenyl ether	NS	59	U	12	U
4-Chloro-3-methylphenol	NS	80	U	16	U
4-Chloroaniline	NS	48	U	9.6	U
4-Chlorophenyl phenyl ether	NS	56	U	11	U
4-Methylphenol	NS	51	U	10	U
4-Nitroaniline	NS	70	U	14	U
4-Nitrophenol	NS	890	U	180	U
Acenaphthene	500,000[b]	45	U	69	J
Acenaphthylene[f]	500,000[b]	48	U	55	J
Acetophenone	NS	41	U	8.1	U
Anthracene[f]	500,000[b]	180	U	180	J
Atrazine	NS	83	U	17	U
Benzaldehyde	NS	140	U	54	J
Benzo(a)anthracene[f]	5600	320		630	
Benzo(a)pyrene	1,000[f]	320	*	670	*
Benzo(b)fluoranthene[f]	5600	410		920	
Benzo(ghi)perylene[f]	500,000[b]	210	J	280	J
Benzo(k)fluoranthene[f]	56,000	180	J	400	
Biphenyl	NS	160	U	32	U
Bis(2-chloroethyl)ether	NS	77	U	15	U
Bis(2-chloroethoxy)methane	NS	58	U	12	U
Bis(2-chloroisopropyl)ether	NS	44	U	8.8	U
Bis(2-Ethylhexyl)phthalate	NS	170	J	450	
Butyl benzyl phthalate	NS	57	U	12	U
Caprolactum	NS	130	U	27	U
Carbazole	NS	46	U	61	J
Chrysene[f]	3,900	370	J	750	
Dibenzo(a,h)anthracene[f]	330[e]	97	U	89	
Dibenzofuran[f]	59,000	56	U	55	J
Diethyl phthalate	NS	53	U	11	U
Dimethyl phthalate	NS	54	U	11	U
Di-n-butylphthalate	NS	56	U	11	U
Di-n-octylphthalate	NS	95	U	19	U
Fluoranthene[f]	500,000[b]	540	J	1,300	
Fluorene	500,000[b]	41	J	83	J
Hexachlorobenzene	1,200	75	U	15	U
Hexachlorobutadiene	NS	52	U	10	U
Hexachlorocyclopentadiene	NS	120	U	23	U
Hexachloroethane	NS	68	U	14	U
Indeno(1,2,3-cd)Pyrene[f]	500[f]	210		330	
Isophorone	NS	3,000		3,900	
Naphthalene[f]	500,000[b]	53	J	82	J
Nitrobenzene	69000	59	U	12	U
n-Nitrosodi-n-propylamine	NS	62	U	13	U
NitrosoDiPhenylAmine(NDPA)/DPA	NS	170	U	34	U
Pentachlorophenol	6,700	230	U	45	U
Phenanthrene[f]	500,000[b]	480	J	730	
Phenol	500,000[b]	61	U	12	U
Pyrene[f]	500,000[b]	560	J	1,000	
Total SVOCs		6,864.0		12,150	

Notes:

(1) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Restriced Use of Soil Cleanup Objective Table 375-6.8b 12/06

a - The SCOs for residential, restricted-residential and ecological resources use were capped at a maximum value of 100 ppm. See TSD section 9.3.

b - The SCOs for commercial use were capped at a maximum value of 500,000 ppb. See TSD section 9.3.

c - The SCOs for industrial use and protection of groundwater were capped at a maximum value of 1,000 ppm. See TSD section 9.3.

e - For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is used as the SCO value.

f - For constituents where the calculated SCO was lower than the rural soil background concentration, as determined by the department and department of health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site.

NS - No Standard

B - Compound was found in the blank and sample.

J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The "J" data may be biased high or low or the direction of the bias may be indeterminable.

JN - The analysis indicated the presence of a compound that has been "tentatively identified" (N) and the associated numerical value represents its approximate (J) concentration.

R - Data rejected ® on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

U - The analyte was analyzed for, but due to blank contamination was flagged as non-detect (U). The result is usable as nondetect.

UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The "UJ" data may be biased low.

Highlighted text denotes concentrations exceeding NYSDEC Restricted-Residential Use SCO

Table 3
Soil Sample Analytical Data Summary
Total Metals
EPA Method 6010

LiTungsten Site

Client Sample ID: Laboratory ID: Sampling Date:	NYSDEC [(1)] Commercial Use SCO	WC019 460-85311-8 10/29/2014		WC020 460-85311-9 10/29/2014	
Total Metals (mg/kg)					
Aluminum, Total	NS	9,220		10,400	
Antimony, Total	NS	1.4	U	1.4	U
Arsenic, Total	24*	2.2	J	5.3	
Barium, Total	400	44.5		52.9	
Beryllium, Total	590	0.31	J	0.35	J
Cadmium, Total	9.3	0.25	U	0.57	J
Calcium, Total	NS	76,400		96,900	
Chromium, Total[e]	1500	11.1		14.4	
Cobalt, Total	NS	4.5	J	6.5	J
Copper, Total	270	10.2		55.4	
Iron, Total	NS	7,480		11,500	
Lead, Total	400*	15.8		34	
Magnesium, Total	NS	4,010		5,810	
Manganese, Total	10,000[d]	207		223	
Mercury, Total	2.81[j]	3.8		0.54	
Nickel, Total	310	8.3		16.7	
Potassium, Total	NS	470	J	597	J
Selenium, Total	1500	1.0	U	1	U
Silver, Total	1500	0.56	J	3.1	
Sodium, Total	NS	231	J	353	J
Thallium, Total	NS	1.8	U	1.8	U
Vanadium, Total	NS	11.4		14.2	
Zinc, Total	10,000[d]	20.5		60	

Notes:

(1) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Restriced Use of Soil Cleanup Objective Table 375-6.8b 12/06

* Site Specific Cleanup Objective

d - The SCOs for metals were capped at a maximum value of 10,000 ppm. See TSD section 9.3.

f - For constituents where the calculated SCO was lower than the rural soil background concentration, as determined by the department and department of health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site.

j - This SCO is the lower of the values for mercury (elemental) or mercury (inorganic salts). See TSD Table 5.6-1.

NS - No Standard

B - Compound was found in the blank and sample.

J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The "J" data may be biased high or low or the direction of the bias may be indeterminable.

JN - The analysis indicated the presence of a compound that has been "tentatively identified" (N) and the associated numerical value represents its approximate (J) concentration.

R - Data rejected ® on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

U - The analyte was analyzed for, but due to blank contamination was flagged as non-detect (U). The result is usable as nondetect.

UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The "UJ" data may be biased low.

Highlighted text denotes concentrations exceeding NYSDEC Restricted-Residential Use SCO

Table 4
Soil Sample Analytical Data Summary
Pesticides
EPA Method 8081

LiTungsten Site

Client Sample ID: Laboratory ID: Sampling Date:	NYSDEC [(1)] Commercial Use SCO	WC019 460-85311-8 10/29/2014		WC020 460-85311-9 10/29/2014	
Organochlorine Pesticides (µg/kg)					
4,4'-DDD	92,000	1.5	U	1.5	U
4,4'-DDE	62,000	1.5	U	1.5	U
4,4'-DDT	47,000	1.8	U	1.8	U
Aldrin	680	1.6	U	1.6	U
Alpha-BHC	3400	1.7	U	1.7	U
Alpha-Chlordane	24,000	1.5	U	1.5	U
Beta-BHC	3000	1.8	U	1.8	U
Delta-BHC[g]	500,000[b]	1.4	U	1.4	U
Dieldrin	1400	1.4	U	1.4	U
Endosulfan I[a,i]	200,000[i]	1.7	U	1.7	U
Endosulfan II[a,i]	200,000[i]	1.5	U	1.5	U
Endosulfan sulfate[a,i]	200,000[i]	1.5	U	1.5	U
Endrin	89,000	1.8	U	1.8	U
Endrin aldehyde	NS	1.1	U	1.1	U
Endrin ketone	NS	1.5	U	1.5	U
Gamma-BHC (Lindane)	9,200	1.4	U	1.4	U
Gamma-Chlordane	NS	1.5	U	1.5	U
Heptachlor	15,000	1.8	U	1.8	U
Heptachlor epoxide	NS	1.7	U	1.7	U
Methoxychlor	NS	1.8	U	1.8	U
Toxaphene	NS	20	U	20	U

Notes:

(1) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Restriced Use of Soil Cleanup Objective Table 375-6.8b 12/06

a - The SCOs for residential, restricted-residential and ecological resources use were capped at a maximum value of 100 ppm. See TSD section 9.3.

c - The SCOs for industrial use and protection of groundwater were capped at a maximum value of 1,000 ppm. See TSD section 9.3.

i - This SCO is for the sum of Endosulfan I, endosulfan II, and endosulfan sulfate.

NS - No Standard

B - Compound was found in the blank and sample.

J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The "J" data may be biased high or low or the direction of the bias may be indeterminable.

JN - The analysis indicated the presence of a compound that has been "tentatively identified" (N) and the associated numerical value represents its approximate (J) concentration.

R - Data rejected ® on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

U - The analyte was analyzed for, but due to blank contamination was flagged as non-detect (U). The result is usable as nondetect.

UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The "UJ" data may be biased low.

Highlighted text denotes concentrations exceeding NYSDEC Restricted-Residential Use SCO

Table 5
Soil Sample Analytical Data Summary
PCBS
EPA Method 8082

LiTungsten Site

Client Sample ID: Laboratory ID: Sampling Date:	NYSDEC [1] Commercial Use (Below Top 2 Feet)	WC019 460-85311-8 10/29/2014		WC020 460-85311-9 10/29/2014	
Polychlorinated Biphenyls (µg/kg)					
Aroclor 1016	10,000	17	U	17	U
Aroclor 1221	10,000	17	U	17	U
Aroclor 1232	10,000	17	U	17	U
Aroclor 1242	10,000	17	U	17	U
Aroclor 1248	10,000	17	U	17	U
Aroclor 1254	10,000	21	U	21	U
Aroclor 1260	10,000	21	U	21	U

Notes:

(1) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Restriced Use of Soil Cleanup Objective Table 375-6.8b 12/06

i - This SCO is for the sum of Endosulfan I, endosulfan II, and endosulfan sulfate.

NS - No Standard

B - Compound was found in the blank and sample.

J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The "J" data may be biased high or low or the direction of the bias may be indeterminable.

JN - The analysis indicated the presence of a compound that has been "tentatively identified" (N) and the associated numerical value represents its approximate (J) concentration.

R - Data rejected ® on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

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Highlighted text denotes concentrations exceeding NYSDEC Restricted-Residential Use SCO

Table 6
Soil Sample Analytical Data Summary
Radium-226 and Other Gamma Emitters

LiTungsten Site

Client Sample ID: Laboratory ID: Sampling Date:	Site Specific Soil Cleanup Objectives	WC019 460-85314-1 10/29/2014			WC020 460-85314-2 10/29/2014		
		Result		Total Uncertainty (2σ+/-)	Result		Total Uncertainty (2σ+/-)
Method GA-01-R - Radium-226 & Other Gamma Emitters (GS) - (pCi/g)							
Actinium 228	-	0.392		0.0503	0.350		0.0416
Bismuth-212	-	0.475		.101	0.446		0.0961
Bismuth-214	-	0.314		.0393	0.257		0.0314
Lead-210	-	0.274		.119	0.248		0.11
Lead-212	-	0.353		.0476	0.343		0.0458
Lead-214	-	0.348		.0411	0.314		0.0357
Potassium-40	-	7.33		.786	7.08		0.748
Protactinium-231	-	-0.145	U	.142	0.0681	U	0.0765
Protactinum-234m	-	0.277	U	.687	1.41		0.437
Thallium-208	-	0.128		.0162	0.811		0.0147
Thorium-234	-	0.345		.138	0.350		0.121
Uranium-235	-	0.0296	U	.0348	0.112		0.023
Uranium-238	-	0.345		.138	0.309		0.121
Radium-226	-	0.721		.192	0.0121	U	0.179
Radium-228	-	0.392		.0503	0.309		0.0416
Radium-226 + Radium-228	≤ 5 + Background*	1.113			0.32		

Notes:

(1)USEPA Site Specific Soil Cleanup Objectives

* background is approximately 1 pCi/g for each isotope

B - Compound was found in the blank and sample.

J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The "J" data may be biased high or low or the direction of the bias may be indeterminable.

JN - The analysis indicated the presence of a compound that has been "tentatively identified" (N) and the associated numerical value represents its approximate (J) concentration.

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Highlighted text denotes concentrations exceeding Site Specific SCO

ATTACHMENT 1

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Edison
777 New Durham Road
Edison, NJ 08817
Tel: (732)549-3900

TestAmerica Job ID: 460-85311-1
Client Project/Site: Glen Isle: Data Gap Field Program

For:
Posillico Consulting
1750 New Highway
Farmingdale, New York 11735

Attn: Ellis Koch

Authorized for release by:
11/5/2014 12:07:29 PM
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LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
X	Surrogate is outside control limits
*	LCS or LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 460-85311-1

Laboratory: TestAmerica Edison

Narrative

Job Narrative
460-85311-1

Comments
No additional comments.

Receipt
The samples were received on 10/29/2014 4:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.5º C.

GC/MS VOA
Method(s) 8260C: Surrogate Dibromofluoromethane recovery for the following sample was outside control limits: WC012 (460-85311-1), WC013 (460-85311-2), WC014 (460-85311-3), WC015 (460-85311-4), WC016 (460-85311-5), WC017 (460-85311-6), WC018 (460-85311-7). Surrogate recoveries for the other three system monitoring compounds were within control limits; therefore, re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method(s) 8270D: The continuing calibration verification (CCV) analyzed in batch 259684 was outside the method criteria for the following analyte(s): Indeno[1,2,3-cd]pyrene and 2,4,6-Tribromophenol. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method(s) 8270D: A full list spike was utilized for this method. Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for five analytes to recover outside criteria for this method when a full list spike is utilized. The LCS associated with batch 259569 had one analyte (Benzo[a]pyrene) outside control limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method(s) 8270D: The continuing calibration verification (CCV) analyzed in batch 259895 was outside the method criteria for the following analyte(s): 2,4-Dinitrophenol. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method(s) 8270D: Acid extractable surrogate std recoveries are biased low for the following sample(s): WC019 (460-85311-8), WC020 (460-85311-9). Sample(s) high pH is causing low A/E surrogate std recoveries.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Posillico Consulting
Project/Site: Glen Isle: Data Gap Field Program

TestAmerica Job ID: 460-85311-1

Client Sample ID: WC012 — Lab Sample ID: 460-85311-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	1.6		1.2	0.24	ug/Kg	1	☼	8260C	Total/NA
1,3,5-Trimethylbenzene	0.50	J	1.2	0.23	ug/Kg	1	☼	8260C	Total/NA
2-Butanone (MEK)	8.9		6.0	1.8	ug/Kg	1	☼	8260C	Total/NA
Acetone	80		6.0	0.28	ug/Kg	1	☼	8260C	Total/NA
Carbon disulfide	8.8		1.2	0.20	ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene	0.68	J	1.2	0.26	ug/Kg	1	☼	8260C	Total/NA
Ethylbenzene	0.27	J	1.2	0.17	ug/Kg	1	☼	8260C	Total/NA
Styrene	2.1		1.2	0.29	ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	0.74	J	1.2	0.24	ug/Kg	1	☼	8260C	Total/NA
Xylenes, Total	1.4	J	2.4	0.43	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: WC013 — Lab Sample ID: 460-85311-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.43	J	1.1	0.23	ug/Kg	1	☼	8260C	Total/NA
2-Butanone (MEK)	11		5.6	1.7	ug/Kg	1	☼	8260C	Total/NA
Acetone	87		5.6	0.26	ug/Kg	1	☼	8260C	Total/NA
Carbon disulfide	4.2		1.1	0.19	ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene	0.30	J	1.1	0.25	ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene	0.50	J	1.1	0.23	ug/Kg	1	☼	8260C	Total/NA
Toluene	0.61	J	1.1	0.30	ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	1.4		1.1	0.23	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: WC014 — Lab Sample ID: 460-85311-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	8.6		1.2	0.23	ug/Kg	1	☼	8260C	Total/NA
1,3,5-Trimethylbenzene	2.7		1.2	0.22	ug/Kg	1	☼	8260C	Total/NA
2-Butanone (MEK)	10		5.8	1.7	ug/Kg	1	☼	8260C	Total/NA
Acetone	91		5.8	0.27	ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene	0.30	J	1.2	0.26	ug/Kg	1	☼	8260C	Total/NA
Ethylbenzene	0.92	J	1.2	0.16	ug/Kg	1	☼	8260C	Total/NA
Isopropylbenzene	0.29	J	1.2	0.22	ug/Kg	1	☼	8260C	Total/NA
N-Propylbenzene	0.64	J	1.2	0.23	ug/Kg	1	☼	8260C	Total/NA
Styrene	0.34	J	1.2	0.28	ug/Kg	1	☼	8260C	Total/NA
Toluene	0.82	J	1.2	0.32	ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	0.59	J	1.2	0.23	ug/Kg	1	☼	8260C	Total/NA
Xylenes, Total	7.4		2.3	0.42	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: WC015 — Lab Sample ID: 460-85311-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	1.2	J	1.8	0.36	ug/Kg	1	☼	8260C	Total/NA
1,3,5-Trimethylbenzene	0.56	J	1.8	0.34	ug/Kg	1	☼	8260C	Total/NA
2-Butanone (MEK)	12		9.0	2.6	ug/Kg	1	☼	8260C	Total/NA
Acetone	87		9.0	0.41	ug/Kg	1	☼	8260C	Total/NA
Carbon disulfide	7.5		1.8	0.30	ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene	0.80	J	1.8	0.39	ug/Kg	1	☼	8260C	Total/NA
Styrene	14		1.8	0.43	ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene	0.77	J	1.8	0.36	ug/Kg	1	☼	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Posillico Consulting
Project/Site: Glen Isle: Data Gap Field Program

TestAmerica Job ID: 460-85311-1

Client Sample ID: WC015 (Continued) — Lab Sample ID: 460-85311-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.77	J	1.8	0.48	ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	2.0		1.8	0.36	ug/Kg	1	☼	8260C	Total/NA
Xylenes, Total	0.74	J	3.6	0.64	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: WC016 — Lab Sample ID: 460-85311-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.27	J	1.4	0.27	ug/Kg	1	☼	8260C	Total/NA
2-Butanone (MEK)	8.2		6.8	2.0	ug/Kg	1	☼	8260C	Total/NA
Acetone	61		6.8	0.31	ug/Kg	1	☼	8260C	Total/NA
Carbon disulfide	2.6		1.4	0.23	ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene	0.31	J	1.4	0.30	ug/Kg	1	☼	8260C	Total/NA
Styrene	3.9		1.4	0.33	ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene	0.80	J	1.4	0.27	ug/Kg	1	☼	8260C	Total/NA
Toluene	0.75	J	1.4	0.37	ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	0.98	J	1.4	0.27	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: WC017 — Lab Sample ID: 460-85311-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.42	J	1.3	0.24	ug/Kg	1	☼	8260C	Total/NA
1,2,4-Trimethylbenzene	0.42	J	1.3	0.27	ug/Kg	1	☼	8260C	Total/NA
2-Butanone (MEK)	27		6.7	2.0	ug/Kg	1	☼	8260C	Total/NA
Acetone	230		6.7	0.31	ug/Kg	1	☼	8260C	Total/NA
Carbon disulfide	6.2		1.3	0.23	ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene	1.3		1.3	0.29	ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene	4.2		1.3	0.27	ug/Kg	1	☼	8260C	Total/NA
Toluene	0.67	J	1.3	0.36	ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	3.4		1.3	0.27	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: WC018 — Lab Sample ID: 460-85311-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	3.8		1.9	0.38	ug/Kg	1	☼	8260C	Total/NA
1,3,5-Trimethylbenzene	1.3	J	1.9	0.36	ug/Kg	1	☼	8260C	Total/NA
2-Butanone (MEK)	21		9.6	2.8	ug/Kg	1	☼	8260C	Total/NA
Acetone	140		9.6	0.44	ug/Kg	1	☼	8260C	Total/NA
Carbon disulfide	6.0		1.9	0.32	ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene	0.90	J	1.9	0.42	ug/Kg	1	☼	8260C	Total/NA
Ethylbenzene	0.53	J	1.9	0.27	ug/Kg	1	☼	8260C	Total/NA
Styrene	6.4		1.9	0.46	ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene	1.4	J	1.9	0.38	ug/Kg	1	☼	8260C	Total/NA
Toluene	1.1	J	1.9	0.52	ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	2.3		1.9	0.38	ug/Kg	1	☼	8260C	Total/NA
Xylenes, Total	3.6	J	3.8	0.69	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: WC019 — Lab Sample ID: 460-85311-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	320		190	160	ug/Kg	5	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WC019 (Continued) — Lab Sample ID: 460-85311-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]pyrene	320	*	190	56	ug/Kg	5	☼	8270D	Total/NA
Benzo[b]fluoranthene	410		190	73	ug/Kg	5	☼	8270D	Total/NA
Benzo[g,h,i]perylene	210	J	1900	110	ug/Kg	5	☼	8270D	Total/NA
Benzo[k]fluoranthene	180	J	190	81	ug/Kg	5	☼	8270D	Total/NA
Bis(2-ethylhexyl) phthalate	170	J	1900	73	ug/Kg	5	☼	8270D	Total/NA
Chrysene	370	J	1900	51	ug/Kg	5	☼	8270D	Total/NA
Fluoranthene	540	J	1900	55	ug/Kg	5	☼	8270D	Total/NA
Fluorene	41	J	1900	41	ug/Kg	5	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	210		190	120	ug/Kg	5	☼	8270D	Total/NA
Isophorone	3000		750	40	ug/Kg	5	☼	8270D	Total/NA
Naphthalene	53	J	1900	47	ug/Kg	5	☼	8270D	Total/NA
Phenanthrene	480	J	1900	50	ug/Kg	5	☼	8270D	Total/NA
Pyrene	560	J	1900	84	ug/Kg	5	☼	8270D	Total/NA
Aluminum	9220		35.8	19.8	mg/Kg	4	☼	6010C	Total/NA
Arsenic	2.2	J	2.7	0.73	mg/Kg	4	☼	6010C	Total/NA
Barium	44.5		35.8	1.5	mg/Kg	4	☼	6010C	Total/NA
Beryllium	0.31	J	0.36	0.24	mg/Kg	4	☼	6010C	Total/NA
Calcium	76400		4480	342	mg/Kg	20	☼	6010C	Total/NA
Chromium	11.1		1.8	0.72	mg/Kg	4	☼	6010C	Total/NA
Cobalt	4.5	J	9.0	0.81	mg/Kg	4	☼	6010C	Total/NA
Copper	10.2		4.5	1.6	mg/Kg	4	☼	6010C	Total/NA
Iron	7480		26.9	22.3	mg/Kg	4	☼	6010C	Total/NA
Lead	15.8		1.8	0.73	mg/Kg	4	☼	6010C	Total/NA
Magnesium	4010		895	59.4	mg/Kg	4	☼	6010C	Total/NA
Manganese	207		2.7	0.77	mg/Kg	4	☼	6010C	Total/NA
Nickel	8.3		7.2	1.6	mg/Kg	4	☼	6010C	Total/NA
Potassium	470	J	895	24.7	mg/Kg	4	☼	6010C	Total/NA
Silver	0.56	J	1.8	0.35	mg/Kg	4	☼	6010C	Total/NA
Sodium	231	J	895	67.7	mg/Kg	4	☼	6010C	Total/NA
Vanadium	11.4		9.0	0.74	mg/Kg	4	☼	6010C	Total/NA
Zinc	20.5		5.4	1.5	mg/Kg	4	☼	6010C	Total/NA
Mercury	3.8		0.17	0.12	mg/Kg	10	☼	7471B	Total/NA

Client Sample ID: WC020 — Lab Sample ID: 460-85311-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	62	J	370	8.2	ug/Kg	1	☼	8270D	Total/NA
Acenaphthene	69	J	370	9.0	ug/Kg	1	☼	8270D	Total/NA
Acenaphthylene	55	J	370	9.6	ug/Kg	1	☼	8270D	Total/NA
Anthracene	180	J	370	35	ug/Kg	1	☼	8270D	Total/NA
Benzaldehyde	54	J	370	28	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	630		37	31	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	670	*	37	11	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	920		37	15	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	280	J	370	21	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	400		37	16	ug/Kg	1	☼	8270D	Total/NA
Bis(2-ethylhexyl) phthalate	450		370	15	ug/Kg	1	☼	8270D	Total/NA
Carbazole	61	J	370	9.3	ug/Kg	1	☼	8270D	Total/NA
Chrysene	750		370	10	ug/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	89		37	19	ug/Kg	1	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WC020 (Continued)

Lab Sample ID: 460-85311-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dibenzofuran	55	J	370	11	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	1300		370	11	ug/Kg	1	☼	8270D	Total/NA
Fluorene	83	J	370	8.1	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	330		37	25	ug/Kg	1	☼	8270D	Total/NA
Isophorone	3900		150	8.0	ug/Kg	1	☼	8270D	Total/NA
Naphthalene	82	J	370	9.5	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	730		370	9.9	ug/Kg	1	☼	8270D	Total/NA
Pyrene	1000		370	17	ug/Kg	1	☼	8270D	Total/NA
Aluminum	10400		36.5	20.2	mg/Kg	4	☼	6010C	Total/NA
Arsenic	5.3		2.7	0.75	mg/Kg	4	☼	6010C	Total/NA
Barium	52.9		36.5	1.6	mg/Kg	4	☼	6010C	Total/NA
Beryllium	0.35	J	0.37	0.25	mg/Kg	4	☼	6010C	Total/NA
Cadmium	0.57	J	0.73	0.26	mg/Kg	4	☼	6010C	Total/NA
Calcium	96900		4560	349	mg/Kg	20	☼	6010C	Total/NA
Chromium	14.4		1.8	0.73	mg/Kg	4	☼	6010C	Total/NA
Cobalt	6.5	J	9.1	0.82	mg/Kg	4	☼	6010C	Total/NA
Copper	55.4		4.6	1.6	mg/Kg	4	☼	6010C	Total/NA
Iron	11500		27.4	22.7	mg/Kg	4	☼	6010C	Total/NA
Lead	34.0		1.8	0.75	mg/Kg	4	☼	6010C	Total/NA
Magnesium	5810		913	60.6	mg/Kg	4	☼	6010C	Total/NA
Manganese	223		2.7	0.79	mg/Kg	4	☼	6010C	Total/NA
Nickel	16.7		7.3	1.6	mg/Kg	4	☼	6010C	Total/NA
Potassium	597	J	913	25.2	mg/Kg	4	☼	6010C	Total/NA
Silver	3.1		1.8	0.35	mg/Kg	4	☼	6010C	Total/NA
Sodium	353	J	913	69.0	mg/Kg	4	☼	6010C	Total/NA
Vanadium	14.2		9.1	0.75	mg/Kg	4	☼	6010C	Total/NA
Zinc	60.0		5.5	1.6	mg/Kg	4	☼	6010C	Total/NA
Mercury	0.54		0.018	0.013	mg/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Posillico Consulting
Project/Site: Glen Isle: Data Gap Field Program

TestAmerica Job ID: 460-85311-1

Client Sample ID: WC012
Date Collected: 10/29/14 12:15
Date Received: 10/29/14 16:00

Lab Sample ID: 460-85311-1
Matrix: Solid
Percent Solids: 95.7

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.2	U	1.2	0.24	ug/Kg	☼	10/30/14 10:57	11/01/14 09:32	1
1,1,2,2-Tetrachloroethane	1.2	U	1.2	0.16	ug/Kg	☼	10/30/14 10:57	11/01/14 09:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.2	U	1.2	0.25	ug/Kg	☼	10/30/14 10:57	11/01/14 09:32	1
1,1,2-Trichloroethane	1.2	U	1.2	0.29	ug/Kg	☼	10/30/14 10:57	11/01/14 09:32	1
1,1-Dichloroethane	1.2	U	1.2	0.22	ug/Kg	☼	10/30/14 10:57	11/01/14 09:32	1
1,1-Dichloroethene	1.2	U	1.2	0.28	ug/Kg	☼	10/30/14 10:57	11/01/14 09:32	1
1,2,4-Trichlorobenzene	1.2	U	1.2	0.32	ug/Kg	☼	10/30/14 10:57	11/01/14 09:32	1
1,2,4-Trimethylbenzene	**1.6**		1.2	0.24	ug/Kg	☼	10/30/14 10:57	11/01/14 09:32	1
1,2-Dibromo-3-Chloropropane	1.2	U	1.2	0.55	ug/Kg	☼	10/30/14 10:57	11/01/14 09:32	1
1,2-Dibromoethane	1.2	U	1.2	0.22	ug/Kg	☼	10/30/14 10:57	11/01/14 09:32	1
1,2-Dichlorobenzene	1.2	U	1.2	0.16	ug/Kg	☼	10/30/14 10:57	11/01/14 09:32	1
1,2-Dichloroethane	1.2	U	1.2	0.34	ug/Kg	☼	10/30/14 10:57	11/01/14 09:32	1
1,2-Dichloropropane	1.2	U	1.2	0.29	ug/Kg	☼	10/30/14 10:57	11/01/14 09:32	1
1,3,5-Trimethylbenzene	**0.50**	**J**	1.2	0.23	ug/Kg	☼	10/30/14 10:57	11/01/14 09:32	1
1,3-Dichlorobenzene	1.2	U	1.2	0.24	ug/Kg	☼	10/30/14 10:57	11/01/14 09:32	1
1,4-Dichlorobenzene	1.2	U	1.2	0.25	ug/Kg	☼	10/30/14 10:57	11/01/14 09:32	1
1,4-Dioxane	24	U	24	14	ug/Kg	☼	10/30/14 10:57	11/01/14 09:32	1
2-Butanone (MEK)	**8.9**		6.0	1.8	ug/Kg	☼	10/30/14 10:57	11/01/14 09:32	1
2-Hexanone	6.0	U	6.0	0.83	ug/Kg	☼	10/30/14 10:57	11/01/14 09:32	1
4-Methyl-2-pentanone (MIBK)	6.0	U	6.0	0.82	ug/Kg	☼	10/30/14 10:57	11/01/14 09:32	1
Acetone	**80**		6.0	0.28	ug/Kg	☼	10/30/14 10:57	11/01/14 09:32	1
Benzene	1.2	U	1.2	0.23	ug/Kg	☼	10/30/14 10:57	11/01/14 09:32	1
Bromodichloromethane	1.2	U	1.2	0.19	ug/Kg	☼	10/30/14 10:57	11/01/14 09:32	1
Bromoform	1.2	U	1.2	0.18	ug/Kg	☼	10/30/14 10:57	11/01/14 09:32	1
Bromomethane	1.2	U	1.2	0.43	ug/Kg	☼	10/30/14 10:57	11/01/14 09:32	1
Carbon disulfide	**8.8**		1.2	0.20	ug/Kg	☼	10/30/14 10:57	11/01/14 09:32	1
Carbon tetrachloride	1.2	U	1.2	0.22	ug/Kg	☼	10/30/14 10:57	11/01/14 09:32	1
Chlorobenzene	1.2	U	1.2	0.20	ug/Kg	☼	10/30/14 10:57	11/01/14 09:32	1
Chloroethane	1.2	U	1.2	0.58	ug/Kg	☼	10/30/14 10:57	11/01/14 09:32	1
Chloroform	1.2	U	1.2	0.19	ug/Kg	☼	10/30/14 10:57	11/01/14 09:32	1
Chloromethane	1.2	U	1.2	0.28	ug/Kg	☼	10/30/14 10:57	11/01/14 09:32	1
cis-1,2-Dichloroethene	**0.68**	**J**	1.2	0.26	ug/Kg	☼	10/30/14 10:57	11/01/14 09:32	1
cis-1,3-Dichloropropene	1.2	U	1.2	0.20	ug/Kg	☼	10/30/14 10:57	11/01/14 09:32	1
Cyclohexane	1.2	U	1.2	0.25	ug/Kg	☼	10/30/14 10:57	11/01/14 09:32	1
Dibromochloromethane	1.2	U	1.2	0.24	ug/Kg	☼	10/30/14 10:57	11/01/14 09:32	1
Dichlorodifluoromethane	1.2	U	1.2	0.35	ug/Kg	☼	10/30/14 10:57	11/01/14 09:32	1
Ethylbenzene	**0.27**	**J**	1.2	0.17	ug/Kg	☼	10/30/14 10:57	11/01/14 09:32	1
Isopropylbenzene	1.2	U	1.2	0.23	ug/Kg	☼	10/30/14 10:57	11/01/14 09:32	1
Methyl acetate	6.0	U	6.0	1.1	ug/Kg	☼	10/30/14 10:57	11/01/14 09:32	1
Methyl tert-butyl ether	1.2	U	1.2	0.24	ug/Kg	☼	10/30/14 10:57	11/01/14 09:32	1
Methylcyclohexane	1.2	U	1.2	0.23	ug/Kg	☼	10/30/14 10:57	11/01/14 09:32	1
Methylene Chloride	1.2	U	1.2	0.46	ug/Kg	☼	10/30/14 10:57	11/01/14 09:32	1
n-Butylbenzene	1.2	U	1.2	0.17	ug/Kg	☼	10/30/14 10:57	11/01/14 09:32	1
N-Propylbenzene	1.2	U	1.2	0.24	ug/Kg	☼	10/30/14 10:57	11/01/14 09:32	1
sec-Butylbenzene	1.2	U	1.2	0.26	ug/Kg	☼	10/30/14 10:57	11/01/14 09:32	1
Styrene	**2.1**		1.2	0.29	ug/Kg	☼	10/30/14 10:57	11/01/14 09:32	1
tert-Butylbenzene	1.2	U	1.2	0.22	ug/Kg	☼	10/30/14 10:57	11/01/14 09:32	1
Tetrachloroethene	1.2	U	1.2	0.24	ug/Kg	☼	10/30/14 10:57	11/01/14 09:32	1
Toluene	1.2	U	1.2	0.32	ug/Kg	☼	10/30/14 10:57	11/01/14 09:32	1

Client Sample Results

Client: Posillico Consulting
Project/Site: Glen Isle: Data Gap Field Program

TestAmerica Job ID: 460-85311-1

Client Sample ID: WC012

Date Collected: 10/29/14 12:15
Date Received: 10/29/14 16:00

Lab Sample ID: 460-85311-1

Matrix: Solid
Percent Solids: 95.7

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	1.2	U	1.2	0.25	ug/Kg	☼	10/30/14 10:57	11/01/14 09:32	1
trans-1,3-Dichloropropene	1.2	U	1.2	0.22	ug/Kg	☼	10/30/14 10:57	11/01/14 09:32	1
Trichloroethene	**0.74**	**J**	1.2	0.24	ug/Kg	☼	10/30/14 10:57	11/01/14 09:32	1
Trichlorofluoromethane	1.2	U	1.2	0.23	ug/Kg	☼	10/30/14 10:57	11/01/14 09:32	1
Vinyl chloride	1.2	U	1.2	0.29	ug/Kg	☼	10/30/14 10:57	11/01/14 09:32	1
Xylenes, Total	**1.4**	**J**	2.4	0.43	ug/Kg	☼	10/30/14 10:57	11/01/14 09:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 130*	*10/30/14 10:57*	*11/01/14 09:32*	*1*
4-Bromofluorobenzene	*100*		*70 - 130*	*10/30/14 10:57*	*11/01/14 09:32*	*1*
Dibromofluoromethane (Surr)	*49*	*X*	*70 - 130*	*10/30/14 10:57*	*11/01/14 09:32*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*	*10/30/14 10:57*	*11/01/14 09:32*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**4.3**		1.0	1.0	%			10/30/14 13:14	1
Percent Solids	**96**		1.0	1.0	%			10/30/14 13:14	1

Client Sample Results

Client: Posillico Consulting
Project/Site: Glen Isle: Data Gap Field Program

TestAmerica Job ID: 460-85311-1

Client Sample ID: WC013

Date Collected: 10/29/14 12:20
Date Received: 10/29/14 16:00

Lab Sample ID: 460-85311-2

Matrix: Solid
Percent Solids: 94.3

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.1	U	1.1	0.23	ug/Kg	☼	10/30/14 10:59	11/01/14 09:56	1
1,1,2,2-Tetrachloroethane	1.1	U	1.1	0.15	ug/Kg	☼	10/30/14 10:59	11/01/14 09:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.1	U	1.1	0.24	ug/Kg	☼	10/30/14 10:59	11/01/14 09:56	1
1,1,2-Trichloroethane	1.1	U	1.1	0.27	ug/Kg	☼	10/30/14 10:59	11/01/14 09:56	1
1,1-Dichloroethane	1.1	U	1.1	0.20	ug/Kg	☼	10/30/14 10:59	11/01/14 09:56	1
1,1-Dichloroethene	1.1	U	1.1	0.26	ug/Kg	☼	10/30/14 10:59	11/01/14 09:56	1
1,2,4-Trichlorobenzene	1.1	U	1.1	0.30	ug/Kg	☼	10/30/14 10:59	11/01/14 09:56	1
1,2,4-Trimethylbenzene	**0.43**	**J**	1.1	0.23	ug/Kg	☼	10/30/14 10:59	11/01/14 09:56	1
1,2-Dibromo-3-Chloropropane	1.1	U	1.1	0.52	ug/Kg	☼	10/30/14 10:59	11/01/14 09:56	1
1,2-Dibromoethane	1.1	U	1.1	0.20	ug/Kg	☼	10/30/14 10:59	11/01/14 09:56	1
1,2-Dichlorobenzene	1.1	U	1.1	0.15	ug/Kg	☼	10/30/14 10:59	11/01/14 09:56	1
1,2-Dichloroethane	1.1	U	1.1	0.32	ug/Kg	☼	10/30/14 10:59	11/01/14 09:56	1
1,2-Dichloropropane	1.1	U	1.1	0.27	ug/Kg	☼	10/30/14 10:59	11/01/14 09:56	1
1,3,5-Trimethylbenzene	1.1	U	1.1	0.21	ug/Kg	☼	10/30/14 10:59	11/01/14 09:56	1
1,3-Dichlorobenzene	1.1	U	1.1	0.23	ug/Kg	☼	10/30/14 10:59	11/01/14 09:56	1
1,4-Dichlorobenzene	1.1	U	1.1	0.24	ug/Kg	☼	10/30/14 10:59	11/01/14 09:56	1
1,4-Dioxane	23	U	23	13	ug/Kg	☼	10/30/14 10:59	11/01/14 09:56	1
2-Butanone (MEK)	**11**		5.6	1.7	ug/Kg	☼	10/30/14 10:59	11/01/14 09:56	1
2-Hexanone	5.6	U	5.6	0.78	ug/Kg	☼	10/30/14 10:59	11/01/14 09:56	1
4-Methyl-2-pentanone (MIBK)	5.6	U	5.6	0.77	ug/Kg	☼	10/30/14 10:59	11/01/14 09:56	1
Acetone	**87**		5.6	0.26	ug/Kg	☼	10/30/14 10:59	11/01/14 09:56	1
Benzene	1.1	U	1.1	0.21	ug/Kg	☼	10/30/14 10:59	11/01/14 09:56	1
Bromodichloromethane	1.1	U	1.1	0.18	ug/Kg	☼	10/30/14 10:59	11/01/14 09:56	1
Bromoform	1.1	U	1.1	0.17	ug/Kg	☼	10/30/14 10:59	11/01/14 09:56	1
Bromomethane	1.1	U	1.1	0.41	ug/Kg	☼	10/30/14 10:59	11/01/14 09:56	1
Carbon disulfide	**4.2**		1.1	0.19	ug/Kg	☼	10/30/14 10:59	11/01/14 09:56	1
Carbon tetrachloride	1.1	U	1.1	0.20	ug/Kg	☼	10/30/14 10:59	11/01/14 09:56	1
Chlorobenzene	1.1	U	1.1	0.19	ug/Kg	☼	10/30/14 10:59	11/01/14 09:56	1
Chloroethane	1.1	U	1.1	0.54	ug/Kg	☼	10/30/14 10:59	11/01/14 09:56	1
Chloroform	1.1	U	1.1	0.18	ug/Kg	☼	10/30/14 10:59	11/01/14 09:56	1
Chloromethane	1.1	U	1.1	0.26	ug/Kg	☼	10/30/14 10:59	11/01/14 09:56	1
cis-1,2-Dichloroethene	**0.30**	**J**	1.1	0.25	ug/Kg	☼	10/30/14 10:59	11/01/14 09:56	1
cis-1,3-Dichloropropene	1.1	U	1.1	0.19	ug/Kg	☼	10/30/14 10:59	11/01/14 09:56	1
Cyclohexane	1.1	U	1.1	0.24	ug/Kg	☼	10/30/14 10:59	11/01/14 09:56	1
Dibromochloromethane	1.1	U	1.1	0.23	ug/Kg	☼	10/30/14 10:59	11/01/14 09:56	1
Dichlorodifluoromethane	1.1	U	1.1	0.33	ug/Kg	☼	10/30/14 10:59	11/01/14 09:56	1
Ethylbenzene	1.1	U	1.1	0.16	ug/Kg	☼	10/30/14 10:59	11/01/14 09:56	1
Isopropylbenzene	1.1	U	1.1	0.21	ug/Kg	☼	10/30/14 10:59	11/01/14 09:56	1
Methyl acetate	5.6	U	5.6	1.1	ug/Kg	☼	10/30/14 10:59	11/01/14 09:56	1
Methyl tert-butyl ether	1.1	U	1.1	0.23	ug/Kg	☼	10/30/14 10:59	11/01/14 09:56	1
Methylcyclohexane	1.1	U	1.1	0.21	ug/Kg	☼	10/30/14 10:59	11/01/14 09:56	1
Methylene Chloride	1.1	U	1.1	0.43	ug/Kg	☼	10/30/14 10:59	11/01/14 09:56	1
n-Butylbenzene	1.1	U	1.1	0.16	ug/Kg	☼	10/30/14 10:59	11/01/14 09:56	1
N-Propylbenzene	1.1	U	1.1	0.23	ug/Kg	☼	10/30/14 10:59	11/01/14 09:56	1
sec-Butylbenzene	1.1	U	1.1	0.25	ug/Kg	☼	10/30/14 10:59	11/01/14 09:56	1
Styrene	1.1	U	1.1	0.27	ug/Kg	☼	10/30/14 10:59	11/01/14 09:56	1
tert-Butylbenzene	1.1	U	1.1	0.20	ug/Kg	☼	10/30/14 10:59	11/01/14 09:56	1
Tetrachloroethene	**0.50**	**J**	1.1	0.23	ug/Kg	☼	10/30/14 10:59	11/01/14 09:56	1
Toluene	**0.61**	**J**	1.1	0.30	ug/Kg	☼	10/30/14 10:59	11/01/14 09:56	1

Client Sample Results

Client: Posillico Consulting
Project/Site: Glen Isle: Data Gap Field Program

TestAmerica Job ID: 460-85311-1

Client Sample ID: WC013

Date Collected: 10/29/14 12:20
Date Received: 10/29/14 16:00

Lab Sample ID: 460-85311-2

Matrix: Solid
Percent Solids: 94.3

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	1.1	U	1.1	0.24	ug/Kg	☼	10/30/14 10:59	11/01/14 09:56	1
trans-1,3-Dichloropropene	1.1	U	1.1	0.20	ug/Kg	☼	10/30/14 10:59	11/01/14 09:56	1
Trichloroethene	**1.4**		1.1	0.23	ug/Kg	☼	10/30/14 10:59	11/01/14 09:56	1
Trichlorofluoromethane	1.1	U	1.1	0.21	ug/Kg	☼	10/30/14 10:59	11/01/14 09:56	1
Vinyl chloride	1.1	U	1.1	0.27	ug/Kg	☼	10/30/14 10:59	11/01/14 09:56	1
Xylenes, Total	2.3	U	2.3	0.41	ug/Kg	☼	10/30/14 10:59	11/01/14 09:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 130*	*10/30/14 10:59*	*11/01/14 09:56*	*1*
4-Bromofluorobenzene	*99*		*70 - 130*	*10/30/14 10:59*	*11/01/14 09:56*	*1*
Dibromofluoromethane (Surr)	*44*	*X*	*70 - 130*	*10/30/14 10:59*	*11/01/14 09:56*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*	*10/30/14 10:59*	*11/01/14 09:56*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**5.7**		1.0	1.0	%			10/30/14 13:14	1
Percent Solids	**94**		1.0	1.0	%			10/30/14 13:14	1

Client Sample Results

Client: Posillico Consulting
Project/Site: Glen Isle: Data Gap Field Program

TestAmerica Job ID: 460-85311-1

Client Sample ID: WC014

Date Collected: 10/29/14 12:25
Date Received: 10/29/14 16:00

Lab Sample ID: 460-85311-3

Matrix: Solid
Percent Solids: 91.2

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.2	U	1.2	0.23	ug/Kg	☼	10/30/14 11:01	11/01/14 10:20	1
1,1,2,2-Tetrachloroethane	1.2	U	1.2	0.15	ug/Kg	☼	10/30/14 11:01	11/01/14 10:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.2	U	1.2	0.25	ug/Kg	☼	10/30/14 11:01	11/01/14 10:20	1
1,1,2-Trichloroethane	1.2	U	1.2	0.28	ug/Kg	☼	10/30/14 11:01	11/01/14 10:20	1
1,1-Dichloroethane	1.2	U	1.2	0.21	ug/Kg	☼	10/30/14 11:01	11/01/14 10:20	1
1,1-Dichloroethene	1.2	U	1.2	0.27	ug/Kg	☼	10/30/14 11:01	11/01/14 10:20	1
1,2,4-Trichlorobenzene	1.2	U	1.2	0.32	ug/Kg	☼	10/30/14 11:01	11/01/14 10:20	1
1,2,4-Trimethylbenzene	**8.6**		1.2	0.23	ug/Kg	☼	10/30/14 11:01	11/01/14 10:20	1
1,2-Dibromo-3-Chloropropane	1.2	U	1.2	0.54	ug/Kg	☼	10/30/14 11:01	11/01/14 10:20	1
1,2-Dibromoethane	1.2	U	1.2	0.21	ug/Kg	☼	10/30/14 11:01	11/01/14 10:20	1
1,2-Dichlorobenzene	1.2	U	1.2	0.15	ug/Kg	☼	10/30/14 11:01	11/01/14 10:20	1
1,2-Dichloroethane	1.2	U	1.2	0.33	ug/Kg	☼	10/30/14 11:01	11/01/14 10:20	1
1,2-Dichloropropane	1.2	U	1.2	0.28	ug/Kg	☼	10/30/14 11:01	11/01/14 10:20	1
1,3,5-Trimethylbenzene	**2.7**		1.2	0.22	ug/Kg	☼	10/30/14 11:01	11/01/14 10:20	1
1,3-Dichlorobenzene	1.2	U	1.2	0.23	ug/Kg	☼	10/30/14 11:01	11/01/14 10:20	1
1,4-Dichlorobenzene	1.2	U	1.2	0.25	ug/Kg	☼	10/30/14 11:01	11/01/14 10:20	1
1,4-Dioxane	23	U	23	14	ug/Kg	☼	10/30/14 11:01	11/01/14 10:20	1
2-Butanone (MEK)	**10**		5.8	1.7	ug/Kg	☼	10/30/14 11:01	11/01/14 10:20	1
2-Hexanone	5.8	U	5.8	0.81	ug/Kg	☼	10/30/14 11:01	11/01/14 10:20	1
4-Methyl-2-pentanone (MIBK)	5.8	U	5.8	0.79	ug/Kg	☼	10/30/14 11:01	11/01/14 10:20	1
Acetone	**91**		5.8	0.27	ug/Kg	☼	10/30/14 11:01	11/01/14 10:20	1
Benzene	1.2	U	1.2	0.22	ug/Kg	☼	10/30/14 11:01	11/01/14 10:20	1
Bromodichloromethane	1.2	U	1.2	0.19	ug/Kg	☼	10/30/14 11:01	11/01/14 10:20	1
Bromoform	1.2	U	1.2	0.18	ug/Kg	☼	10/30/14 11:01	11/01/14 10:20	1
Bromomethane	1.2	U	1.2	0.42	ug/Kg	☼	10/30/14 11:01	11/01/14 10:20	1
Carbon disulfide	1.2	U	1.2	0.20	ug/Kg	☼	10/30/14 11:01	11/01/14 10:20	1
Carbon tetrachloride	1.2	U	1.2	0.21	ug/Kg	☼	10/30/14 11:01	11/01/14 10:20	1
Chlorobenzene	1.2	U	1.2	0.20	ug/Kg	☼	10/30/14 11:01	11/01/14 10:20	1
Chloroethane	1.2	U	1.2	0.56	ug/Kg	☼	10/30/14 11:01	11/01/14 10:20	1
Chloroform	1.2	U	1.2	0.19	ug/Kg	☼	10/30/14 11:01	11/01/14 10:20	1
Chloromethane	1.2	U	1.2	0.27	ug/Kg	☼	10/30/14 11:01	11/01/14 10:20	1
cis-1,2-Dichloroethene	**0.30**	**J**	1.2	0.26	ug/Kg	☼	10/30/14 11:01	11/01/14 10:20	1
cis-1,3-Dichloropropene	1.2	U	1.2	0.20	ug/Kg	☼	10/30/14 11:01	11/01/14 10:20	1
Cyclohexane	1.2	U	1.2	0.25	ug/Kg	☼	10/30/14 11:01	11/01/14 10:20	1
Dibromochloromethane	1.2	U	1.2	0.23	ug/Kg	☼	10/30/14 11:01	11/01/14 10:20	1
Dichlorodifluoromethane	1.2	U	1.2	0.34	ug/Kg	☼	10/30/14 11:01	11/01/14 10:20	1
Ethylbenzene	**0.92**	**J**	1.2	0.16	ug/Kg	☼	10/30/14 11:01	11/01/14 10:20	1
Isopropylbenzene	**0.29**	**J**	1.2	0.22	ug/Kg	☼	10/30/14 11:01	11/01/14 10:20	1
Methyl acetate	5.8	U	5.8	1.1	ug/Kg	☼	10/30/14 11:01	11/01/14 10:20	1
Methyl tert-butyl ether	1.2	U	1.2	0.23	ug/Kg	☼	10/30/14 11:01	11/01/14 10:20	1
Methylcyclohexane	1.2	U	1.2	0.22	ug/Kg	☼	10/30/14 11:01	11/01/14 10:20	1
Methylene Chloride	1.2	U	1.2	0.44	ug/Kg	☼	10/30/14 11:01	11/01/14 10:20	1
n-Butylbenzene	1.2	U	1.2	0.16	ug/Kg	☼	10/30/14 11:01	11/01/14 10:20	1
N-Propylbenzene	**0.64**	**J**	1.2	0.23	ug/Kg	☼	10/30/14 11:01	11/01/14 10:20	1
sec-Butylbenzene	1.2	U	1.2	0.26	ug/Kg	☼	10/30/14 11:01	11/01/14 10:20	1
Styrene	**0.34**	**J**	1.2	0.28	ug/Kg	☼	10/30/14 11:01	11/01/14 10:20	1
tert-Butylbenzene	1.2	U	1.2	0.21	ug/Kg	☼	10/30/14 11:01	11/01/14 10:20	1
Tetrachloroethene	1.2	U	1.2	0.23	ug/Kg	☼	10/30/14 11:01	11/01/14 10:20	1
Toluene	**0.82**	**J**	1.2	0.32	ug/Kg	☼	10/30/14 11:01	11/01/14 10:20	1

Client Sample Results

Client: Posillico Consulting
Project/Site: Glen Isle: Data Gap Field Program

TestAmerica Job ID: 460-85311-1

Client Sample ID: WC014

Date Collected: 10/29/14 12:25
Date Received: 10/29/14 16:00

Lab Sample ID: 460-85311-3

Matrix: Solid
Percent Solids: 91.2

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	1.2	U	1.2	0.25	ug/Kg	☼	10/30/14 11:01	11/01/14 10:20	1
trans-1,3-Dichloropropene	1.2	U	1.2	0.21	ug/Kg	☼	10/30/14 11:01	11/01/14 10:20	1
Trichloroethene	**0.59**	**J**	1.2	0.23	ug/Kg	☼	10/30/14 11:01	11/01/14 10:20	1
Trichlorofluoromethane	1.2	U	1.2	0.22	ug/Kg	☼	10/30/14 11:01	11/01/14 10:20	1
Vinyl chloride	1.2	U	1.2	0.28	ug/Kg	☼	10/30/14 11:01	11/01/14 10:20	1
Xylenes, Total	**7.4**		2.3	0.42	ug/Kg	☼	10/30/14 11:01	11/01/14 10:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*70 - 130*	*10/30/14 11:01*	*11/01/14 10:20*	*1*
4-Bromofluorobenzene	*103*		*70 - 130*	*10/30/14 11:01*	*11/01/14 10:20*	*1*
Dibromofluoromethane (Surr)	*46*	*X*	*70 - 130*	*10/30/14 11:01*	*11/01/14 10:20*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*	*10/30/14 11:01*	*11/01/14 10:20*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.8**		1.0	1.0	%			10/30/14 13:14	1
Percent Solids	**91**		1.0	1.0	%			10/30/14 13:14	1

Client Sample Results

Client: Posillico Consulting
Project/Site: Glen Isle: Data Gap Field Program

TestAmerica Job ID: 460-85311-1

Client Sample ID: WC015

Date Collected: 10/29/14 12:30
Date Received: 10/29/14 16:00

Lab Sample ID: 460-85311-4

Matrix: Solid
Percent Solids: 92.5

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.8	U	1.8	0.36	ug/Kg	☼	10/30/14 11:03	11/01/14 10:45	1
1,1,2,2-Tetrachloroethane	1.8	U	1.8	0.23	ug/Kg	☼	10/30/14 11:03	11/01/14 10:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.8	U	1.8	0.38	ug/Kg	☼	10/30/14 11:03	11/01/14 10:45	1
1,1,2-Trichloroethane	1.8	U	1.8	0.43	ug/Kg	☼	10/30/14 11:03	11/01/14 10:45	1
1,1-Dichloroethane	1.8	U	1.8	0.32	ug/Kg	☼	10/30/14 11:03	11/01/14 10:45	1
1,1-Dichloroethene	1.8	U	1.8	0.41	ug/Kg	☼	10/30/14 11:03	11/01/14 10:45	1
1,2,4-Trichlorobenzene	1.8	U	1.8	0.48	ug/Kg	☼	10/30/14 11:03	11/01/14 10:45	1
1,2,4-Trimethylbenzene	**1.2**	**J**	1.8	0.36	ug/Kg	☼	10/30/14 11:03	11/01/14 10:45	1
1,2-Dibromo-3-Chloropropane	1.8	U	1.8	0.82	ug/Kg	☼	10/30/14 11:03	11/01/14 10:45	1
1,2-Dibromoethane	1.8	U	1.8	0.32	ug/Kg	☼	10/30/14 11:03	11/01/14 10:45	1
1,2-Dichlorobenzene	1.8	U	1.8	0.23	ug/Kg	☼	10/30/14 11:03	11/01/14 10:45	1
1,2-Dichloroethane	1.8	U	1.8	0.50	ug/Kg	☼	10/30/14 11:03	11/01/14 10:45	1
1,2-Dichloropropane	1.8	U	1.8	0.43	ug/Kg	☼	10/30/14 11:03	11/01/14 10:45	1
1,3,5-Trimethylbenzene	**0.56**	**J**	1.8	0.34	ug/Kg	☼	10/30/14 11:03	11/01/14 10:45	1
1,3-Dichlorobenzene	1.8	U	1.8	0.36	ug/Kg	☼	10/30/14 11:03	11/01/14 10:45	1
1,4-Dichlorobenzene	1.8	U	1.8	0.38	ug/Kg	☼	10/30/14 11:03	11/01/14 10:45	1
1,4-Dioxane	36	U	36	21	ug/Kg	☼	10/30/14 11:03	11/01/14 10:45	1
2-Butanone (MEK)	**12**		9.0	2.6	ug/Kg	☼	10/30/14 11:03	11/01/14 10:45	1
2-Hexanone	9.0	U	9.0	1.2	ug/Kg	☼	10/30/14 11:03	11/01/14 10:45	1
4-Methyl-2-pentanone (MIBK)	9.0	U	9.0	1.2	ug/Kg	☼	10/30/14 11:03	11/01/14 10:45	1
Acetone	**87**		9.0	0.41	ug/Kg	☼	10/30/14 11:03	11/01/14 10:45	1
Benzene	1.8	U	1.8	0.34	ug/Kg	☼	10/30/14 11:03	11/01/14 10:45	1
Bromodichloromethane	1.8	U	1.8	0.29	ug/Kg	☼	10/30/14 11:03	11/01/14 10:45	1
Bromoform	1.8	U	1.8	0.27	ug/Kg	☼	10/30/14 11:03	11/01/14 10:45	1
Bromomethane	1.8	U	1.8	0.64	ug/Kg	☼	10/30/14 11:03	11/01/14 10:45	1
Carbon disulfide	**7.5**		1.8	0.30	ug/Kg	☼	10/30/14 11:03	11/01/14 10:45	1
Carbon tetrachloride	1.8	U	1.8	0.32	ug/Kg	☼	10/30/14 11:03	11/01/14 10:45	1
Chlorobenzene	1.8	U	1.8	0.30	ug/Kg	☼	10/30/14 11:03	11/01/14 10:45	1
Chloroethane	1.8	U	1.8	0.86	ug/Kg	☼	10/30/14 11:03	11/01/14 10:45	1
Chloroform	1.8	U	1.8	0.29	ug/Kg	☼	10/30/14 11:03	11/01/14 10:45	1
Chloromethane	1.8	U	1.8	0.41	ug/Kg	☼	10/30/14 11:03	11/01/14 10:45	1
cis-1,2-Dichloroethene	**0.80**	**J**	1.8	0.39	ug/Kg	☼	10/30/14 11:03	11/01/14 10:45	1
cis-1,3-Dichloropropene	1.8	U	1.8	0.30	ug/Kg	☼	10/30/14 11:03	11/01/14 10:45	1
Cyclohexane	1.8	U	1.8	0.38	ug/Kg	☼	10/30/14 11:03	11/01/14 10:45	1
Dibromochloromethane	1.8	U	1.8	0.36	ug/Kg	☼	10/30/14 11:03	11/01/14 10:45	1
Dichlorodifluoromethane	1.8	U	1.8	0.52	ug/Kg	☼	10/30/14 11:03	11/01/14 10:45	1
Ethylbenzene	1.8	U	1.8	0.25	ug/Kg	☼	10/30/14 11:03	11/01/14 10:45	1
Isopropylbenzene	1.8	U	1.8	0.34	ug/Kg	☼	10/30/14 11:03	11/01/14 10:45	1
Methyl acetate	9.0	U	9.0	1.7	ug/Kg	☼	10/30/14 11:03	11/01/14 10:45	1
Methyl tert-butyl ether	1.8	U	1.8	0.36	ug/Kg	☼	10/30/14 11:03	11/01/14 10:45	1
Methylcyclohexane	1.8	U	1.8	0.34	ug/Kg	☼	10/30/14 11:03	11/01/14 10:45	1
Methylene Chloride	1.8	U	1.8	0.68	ug/Kg	☼	10/30/14 11:03	11/01/14 10:45	1
n-Butylbenzene	1.8	U	1.8	0.25	ug/Kg	☼	10/30/14 11:03	11/01/14 10:45	1
N-Propylbenzene	1.8	U	1.8	0.36	ug/Kg	☼	10/30/14 11:03	11/01/14 10:45	1
sec-Butylbenzene	1.8	U	1.8	0.39	ug/Kg	☼	10/30/14 11:03	11/01/14 10:45	1
Styrene	**14**		1.8	0.43	ug/Kg	☼	10/30/14 11:03	11/01/14 10:45	1
tert-Butylbenzene	1.8	U	1.8	0.32	ug/Kg	☼	10/30/14 11:03	11/01/14 10:45	1
Tetrachloroethene	**0.77**	**J**	1.8	0.36	ug/Kg	☼	10/30/14 11:03	11/01/14 10:45	1
Toluene	**0.77**	**J**	1.8	0.48	ug/Kg	☼	10/30/14 11:03	11/01/14 10:45	1

Client: Posillico Consulting
Project/Site: Glen Isle: Data Gap Field Program

TestAmerica Job ID: 460-85311-1

Client Sample ID: WC015

Date Collected: 10/29/14 12:30
Date Received: 10/29/14 16:00

Lab Sample ID: 460-85311-4

Matrix: Solid
Percent Solids: 92.5

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	1.8	U	1.8	0.38	ug/Kg	☼	10/30/14 11:03	11/01/14 10:45	1
trans-1,3-Dichloropropene	1.8	U	1.8	0.32	ug/Kg	☼	10/30/14 11:03	11/01/14 10:45	1
Trichloroethene	**2.0**		1.8	0.36	ug/Kg	☼	10/30/14 11:03	11/01/14 10:45	1
Trichlorofluoromethane	1.8	U	1.8	0.34	ug/Kg	☼	10/30/14 11:03	11/01/14 10:45	1
Vinyl chloride	1.8	U	1.8	0.43	ug/Kg	☼	10/30/14 11:03	11/01/14 10:45	1
Xylenes, Total	**0.74**	**J**	3.6	0.64	ug/Kg	☼	10/30/14 11:03	11/01/14 10:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*70 - 130*	*10/30/14 11:03*	*11/01/14 10:45*	*1*
4-Bromofluorobenzene	*110*		*70 - 130*	*10/30/14 11:03*	*11/01/14 10:45*	*1*
Dibromofluoromethane (Surr)	*48*	*X*	*70 - 130*	*10/30/14 11:03*	*11/01/14 10:45*	*1*
Toluene-d8 (Surr)	*105*		*70 - 130*	*10/30/14 11:03*	*11/01/14 10:45*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.5**		1.0	1.0	%			10/30/14 13:14	1
Percent Solids	**92**		1.0	1.0	%			10/30/14 13:14	1

Client Sample Results

Client: Posillico Consulting
Project/Site: Glen Isle: Data Gap Field Program

TestAmerica Job ID: 460-85311-1

Client Sample ID: WC016

Date Collected: 10/29/14 12:35
Date Received: 10/29/14 16:00

Lab Sample ID: 460-85311-5

Matrix: Solid
Percent Solids: 92.4

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.4	U	1.4	0.27	ug/Kg	☼	10/30/14 11:05	11/01/14 11:09	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.18	ug/Kg	☼	10/30/14 11:05	11/01/14 11:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.4	U	1.4	0.29	ug/Kg	☼	10/30/14 11:05	11/01/14 11:09	1
1,1,2-Trichloroethane	1.4	U	1.4	0.33	ug/Kg	☼	10/30/14 11:05	11/01/14 11:09	1
1,1-Dichloroethane	1.4	U	1.4	0.24	ug/Kg	☼	10/30/14 11:05	11/01/14 11:09	1
1,1-Dichloroethene	1.4	U	1.4	0.31	ug/Kg	☼	10/30/14 11:05	11/01/14 11:09	1
1,2,4-Trichlorobenzene	1.4	U	1.4	0.37	ug/Kg	☼	10/30/14 11:05	11/01/14 11:09	1
1,2,4-Trimethylbenzene	**0.27**	**J**	1.4	0.27	ug/Kg	☼	10/30/14 11:05	11/01/14 11:09	1
1,2-Dibromo-3-Chloropropane	1.4	U	1.4	0.63	ug/Kg	☼	10/30/14 11:05	11/01/14 11:09	1
1,2-Dibromoethane	1.4	U	1.4	0.24	ug/Kg	☼	10/30/14 11:05	11/01/14 11:09	1
1,2-Dichlorobenzene	1.4	U	1.4	0.18	ug/Kg	☼	10/30/14 11:05	11/01/14 11:09	1
1,2-Dichloroethane	1.4	U	1.4	0.38	ug/Kg	☼	10/30/14 11:05	11/01/14 11:09	1
1,2-Dichloropropane	1.4	U	1.4	0.33	ug/Kg	☼	10/30/14 11:05	11/01/14 11:09	1
1,3,5-Trimethylbenzene	1.4	U	1.4	0.26	ug/Kg	☼	10/30/14 11:05	11/01/14 11:09	1
1,3-Dichlorobenzene	1.4	U	1.4	0.27	ug/Kg	☼	10/30/14 11:05	11/01/14 11:09	1
1,4-Dichlorobenzene	1.4	U	1.4	0.29	ug/Kg	☼	10/30/14 11:05	11/01/14 11:09	1
1,4-Dioxane	27	U	27	16	ug/Kg	☼	10/30/14 11:05	11/01/14 11:09	1
2-Butanone (MEK)	**8.2**		6.8	2.0	ug/Kg	☼	10/30/14 11:05	11/01/14 11:09	1
2-Hexanone	6.8	U	6.8	0.94	ug/Kg	☼	10/30/14 11:05	11/01/14 11:09	1
4-Methyl-2-pentanone (MIBK)	6.8	U	6.8	0.92	ug/Kg	☼	10/30/14 11:05	11/01/14 11:09	1
Acetone	**61**		6.8	0.31	ug/Kg	☼	10/30/14 11:05	11/01/14 11:09	1
Benzene	1.4	U	1.4	0.26	ug/Kg	☼	10/30/14 11:05	11/01/14 11:09	1
Bromodichloromethane	1.4	U	1.4	0.22	ug/Kg	☼	10/30/14 11:05	11/01/14 11:09	1
Bromoform	1.4	U	1.4	0.20	ug/Kg	☼	10/30/14 11:05	11/01/14 11:09	1
Bromomethane	1.4	U	1.4	0.49	ug/Kg	☼	10/30/14 11:05	11/01/14 11:09	1
Carbon disulfide	**2.6**		1.4	0.23	ug/Kg	☼	10/30/14 11:05	11/01/14 11:09	1
Carbon tetrachloride	1.4	U	1.4	0.24	ug/Kg	☼	10/30/14 11:05	11/01/14 11:09	1
Chlorobenzene	1.4	U	1.4	0.23	ug/Kg	☼	10/30/14 11:05	11/01/14 11:09	1
Chloroethane	1.4	U	1.4	0.65	ug/Kg	☼	10/30/14 11:05	11/01/14 11:09	1
Chloroform	1.4	U	1.4	0.22	ug/Kg	☼	10/30/14 11:05	11/01/14 11:09	1
Chloromethane	1.4	U	1.4	0.31	ug/Kg	☼	10/30/14 11:05	11/01/14 11:09	1
cis-1,2-Dichloroethene	**0.31**	**J**	1.4	0.30	ug/Kg	☼	10/30/14 11:05	11/01/14 11:09	1
cis-1,3-Dichloropropene	1.4	U	1.4	0.23	ug/Kg	☼	10/30/14 11:05	11/01/14 11:09	1
Cyclohexane	1.4	U	1.4	0.29	ug/Kg	☼	10/30/14 11:05	11/01/14 11:09	1
Dibromochloromethane	1.4	U	1.4	0.27	ug/Kg	☼	10/30/14 11:05	11/01/14 11:09	1
Dichlorodifluoromethane	1.4	U	1.4	0.39	ug/Kg	☼	10/30/14 11:05	11/01/14 11:09	1
Ethylbenzene	1.4	U	1.4	0.19	ug/Kg	☼	10/30/14 11:05	11/01/14 11:09	1
Isopropylbenzene	1.4	U	1.4	0.26	ug/Kg	☼	10/30/14 11:05	11/01/14 11:09	1
Methyl acetate	6.8	U	6.8	1.3	ug/Kg	☼	10/30/14 11:05	11/01/14 11:09	1
Methyl tert-butyl ether	1.4	U	1.4	0.27	ug/Kg	☼	10/30/14 11:05	11/01/14 11:09	1
Methylcyclohexane	1.4	U	1.4	0.26	ug/Kg	☼	10/30/14 11:05	11/01/14 11:09	1
Methylene Chloride	1.4	U	1.4	0.52	ug/Kg	☼	10/30/14 11:05	11/01/14 11:09	1
n-Butylbenzene	1.4	U	1.4	0.19	ug/Kg	☼	10/30/14 11:05	11/01/14 11:09	1
N-Propylbenzene	1.4	U	1.4	0.27	ug/Kg	☼	10/30/14 11:05	11/01/14 11:09	1
sec-Butylbenzene	1.4	U	1.4	0.30	ug/Kg	☼	10/30/14 11:05	11/01/14 11:09	1
Styrene	**3.9**		1.4	0.33	ug/Kg	☼	10/30/14 11:05	11/01/14 11:09	1
tert-Butylbenzene	1.4	U	1.4	0.24	ug/Kg	☼	10/30/14 11:05	11/01/14 11:09	1
Tetrachloroethene	**0.80**	**J**	1.4	0.27	ug/Kg	☼	10/30/14 11:05	11/01/14 11:09	1
Toluene	**0.75**	**J**	1.4	0.37	ug/Kg	☼	10/30/14 11:05	11/01/14 11:09	1

Client: Posillico Consulting
Project/Site: Glen Isle: Data Gap Field Program

TestAmerica Job ID: 460-85311-1

Client Sample ID: WC016

Date Collected: 10/29/14 12:35
Date Received: 10/29/14 16:00

Lab Sample ID: 460-85311-5

Matrix: Solid
Percent Solids: 92.4

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	1.4	U	1.4	0.29	ug/Kg	☼	10/30/14 11:05	11/01/14 11:09	1
trans-1,3-Dichloropropene	1.4	U	1.4	0.24	ug/Kg	☼	10/30/14 11:05	11/01/14 11:09	1
Trichloroethene	**0.98**	**J**	1.4	0.27	ug/Kg	☼	10/30/14 11:05	11/01/14 11:09	1
Trichlorofluoromethane	1.4	U	1.4	0.26	ug/Kg	☼	10/30/14 11:05	11/01/14 11:09	1
Vinyl chloride	1.4	U	1.4	0.33	ug/Kg	☼	10/30/14 11:05	11/01/14 11:09	1
Xylenes, Total	2.7	U	2.7	0.49	ug/Kg	☼	10/30/14 11:05	11/01/14 11:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*	*10/30/14 11:05*	*11/01/14 11:09*	*1*
4-Bromofluorobenzene	*103*		*70 - 130*	*10/30/14 11:05*	*11/01/14 11:09*	*1*
Dibromofluoromethane (Surr)	*50*	*X*	*70 - 130*	*10/30/14 11:05*	*11/01/14 11:09*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*	*10/30/14 11:05*	*11/01/14 11:09*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.6**		1.0	1.0	%			10/30/14 13:14	1
Percent Solids	**92**		1.0	1.0	%			10/30/14 13:14	1

Client Sample Results

Client: Posillico Consulting
Project/Site: Glen Isle: Data Gap Field Program

TestAmerica Job ID: 460-85311-1

Client Sample ID: WC017

Date Collected: 10/29/14 12:40
Date Received: 10/29/14 16:00

Lab Sample ID: 460-85311-6

Matrix: Solid
Percent Solids: 87.3

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.3	U	1.3	0.27	ug/Kg	☼	10/30/14 11:07	11/01/14 11:33	1
1,1,2,2-Tetrachloroethane	1.3	U	1.3	0.17	ug/Kg	☼	10/30/14 11:07	11/01/14 11:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.3	U	1.3	0.28	ug/Kg	☼	10/30/14 11:07	11/01/14 11:33	1
1,1,2-Trichloroethane	1.3	U	1.3	0.32	ug/Kg	☼	10/30/14 11:07	11/01/14 11:33	1
1,1-Dichloroethane	**0.42**	**J**	1.3	0.24	ug/Kg	☼	10/30/14 11:07	11/01/14 11:33	1
1,1-Dichloroethene	1.3	U	1.3	0.31	ug/Kg	☼	10/30/14 11:07	11/01/14 11:33	1
1,2,4-Trichlorobenzene	1.3	U	1.3	0.36	ug/Kg	☼	10/30/14 11:07	11/01/14 11:33	1
1,2,4-Trimethylbenzene	**0.42**	**J**	1.3	0.27	ug/Kg	☼	10/30/14 11:07	11/01/14 11:33	1
1,2-Dibromo-3-Chloropropane	1.3	U	1.3	0.61	ug/Kg	☼	10/30/14 11:07	11/01/14 11:33	1
1,2-Dibromoethane	1.3	U	1.3	0.24	ug/Kg	☼	10/30/14 11:07	11/01/14 11:33	1
1,2-Dichlorobenzene	1.3	U	1.3	0.17	ug/Kg	☼	10/30/14 11:07	11/01/14 11:33	1
1,2-Dichloroethane	1.3	U	1.3	0.37	ug/Kg	☼	10/30/14 11:07	11/01/14 11:33	1
1,2-Dichloropropane	1.3	U	1.3	0.32	ug/Kg	☼	10/30/14 11:07	11/01/14 11:33	1
1,3,5-Trimethylbenzene	1.3	U	1.3	0.25	ug/Kg	☼	10/30/14 11:07	11/01/14 11:33	1
1,3-Dichlorobenzene	1.3	U	1.3	0.27	ug/Kg	☼	10/30/14 11:07	11/01/14 11:33	1
1,4-Dichlorobenzene	1.3	U	1.3	0.28	ug/Kg	☼	10/30/14 11:07	11/01/14 11:33	1
1,4-Dioxane	27	U	27	16	ug/Kg	☼	10/30/14 11:07	11/01/14 11:33	1
2-Butanone (MEK)	**27**		6.7	2.0	ug/Kg	☼	10/30/14 11:07	11/01/14 11:33	1
2-Hexanone	6.7	U	6.7	0.92	ug/Kg	☼	10/30/14 11:07	11/01/14 11:33	1
4-Methyl-2-pentanone (MIBK)	6.7	U	6.7	0.91	ug/Kg	☼	10/30/14 11:07	11/01/14 11:33	1
Acetone	**230**		6.7	0.31	ug/Kg	☼	10/30/14 11:07	11/01/14 11:33	1
Benzene	1.3	U	1.3	0.25	ug/Kg	☼	10/30/14 11:07	11/01/14 11:33	1
Bromodichloromethane	1.3	U	1.3	0.21	ug/Kg	☼	10/30/14 11:07	11/01/14 11:33	1
Bromoform	1.3	U	1.3	0.20	ug/Kg	☼	10/30/14 11:07	11/01/14 11:33	1
Bromomethane	1.3	U	1.3	0.48	ug/Kg	☼	10/30/14 11:07	11/01/14 11:33	1
Carbon disulfide	**6.2**		1.3	0.23	ug/Kg	☼	10/30/14 11:07	11/01/14 11:33	1
Carbon tetrachloride	1.3	U	1.3	0.24	ug/Kg	☼	10/30/14 11:07	11/01/14 11:33	1
Chlorobenzene	1.3	U	1.3	0.23	ug/Kg	☼	10/30/14 11:07	11/01/14 11:33	1
Chloroethane	1.3	U	1.3	0.64	ug/Kg	☼	10/30/14 11:07	11/01/14 11:33	1
Chloroform	1.3	U	1.3	0.21	ug/Kg	☼	10/30/14 11:07	11/01/14 11:33	1
Chloromethane	1.3	U	1.3	0.31	ug/Kg	☼	10/30/14 11:07	11/01/14 11:33	1
cis-1,2-Dichloroethene	**1.3**		1.3	0.29	ug/Kg	☼	10/30/14 11:07	11/01/14 11:33	1
cis-1,3-Dichloropropene	1.3	U	1.3	0.23	ug/Kg	☼	10/30/14 11:07	11/01/14 11:33	1
Cyclohexane	1.3	U	1.3	0.28	ug/Kg	☼	10/30/14 11:07	11/01/14 11:33	1
Dibromochloromethane	1.3	U	1.3	0.27	ug/Kg	☼	10/30/14 11:07	11/01/14 11:33	1
Dichlorodifluoromethane	1.3	U	1.3	0.39	ug/Kg	☼	10/30/14 11:07	11/01/14 11:33	1
Ethylbenzene	1.3	U	1.3	0.19	ug/Kg	☼	10/30/14 11:07	11/01/14 11:33	1
Isopropylbenzene	1.3	U	1.3	0.25	ug/Kg	☼	10/30/14 11:07	11/01/14 11:33	1
Methyl acetate	6.7	U	6.7	1.3	ug/Kg	☼	10/30/14 11:07	11/01/14 11:33	1
Methyl tert-butyl ether	1.3	U	1.3	0.27	ug/Kg	☼	10/30/14 11:07	11/01/14 11:33	1
Methylcyclohexane	1.3	U	1.3	0.25	ug/Kg	☼	10/30/14 11:07	11/01/14 11:33	1
Methylene Chloride	1.3	U	1.3	0.51	ug/Kg	☼	10/30/14 11:07	11/01/14 11:33	1
n-Butylbenzene	1.3	U	1.3	0.19	ug/Kg	☼	10/30/14 11:07	11/01/14 11:33	1
N-Propylbenzene	1.3	U	1.3	0.27	ug/Kg	☼	10/30/14 11:07	11/01/14 11:33	1
sec-Butylbenzene	1.3	U	1.3	0.29	ug/Kg	☼	10/30/14 11:07	11/01/14 11:33	1
Styrene	1.3	U	1.3	0.32	ug/Kg	☼	10/30/14 11:07	11/01/14 11:33	1
tert-Butylbenzene	1.3	U	1.3	0.24	ug/Kg	☼	10/30/14 11:07	11/01/14 11:33	1
Tetrachloroethene	**4.2**		1.3	0.27	ug/Kg	☼	10/30/14 11:07	11/01/14 11:33	1
Toluene	**0.67**	**J**	1.3	0.36	ug/Kg	☼	10/30/14 11:07	11/01/14 11:33	1

Client Sample Results

Client: Posillico Consulting
Project/Site: Glen Isle: Data Gap Field Program

TestAmerica Job ID: 460-85311-1

Client Sample ID: WC017

Date Collected: 10/29/14 12:40
Date Received: 10/29/14 16:00

Lab Sample ID: 460-85311-6

Matrix: Solid
Percent Solids: 87.3

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	1.3	U	1.3	0.28	ug/Kg	☼	10/30/14 11:07	11/01/14 11:33	1
trans-1,3-Dichloropropene	1.3	U	1.3	0.24	ug/Kg	☼	10/30/14 11:07	11/01/14 11:33	1
Trichloroethene	**3.4**		1.3	0.27	ug/Kg	☼	10/30/14 11:07	11/01/14 11:33	1
Trichlorofluoromethane	1.3	U	1.3	0.25	ug/Kg	☼	10/30/14 11:07	11/01/14 11:33	1
Vinyl chloride	1.3	U	1.3	0.32	ug/Kg	☼	10/30/14 11:07	11/01/14 11:33	1
Xylenes, Total	2.7	U	2.7	0.48	ug/Kg	☼	10/30/14 11:07	11/01/14 11:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*70 - 130*	*10/30/14 11:07*	*11/01/14 11:33*	*1*
4-Bromofluorobenzene	*109*		*70 - 130*	*10/30/14 11:07*	*11/01/14 11:33*	*1*
Dibromofluoromethane (Surr)	*60*	*X*	*70 - 130*	*10/30/14 11:07*	*11/01/14 11:33*	*1*
Toluene-d8 (Surr)	*107*		*70 - 130*	*10/30/14 11:07*	*11/01/14 11:33*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**13**		1.0	1.0	%			10/30/14 13:14	1
Percent Solids	**87**		1.0	1.0	%			10/30/14 13:14	1

Client Sample Results

Client: Posillico Consulting
Project/Site: Glen Isle: Data Gap Field Program

TestAmerica Job ID: 460-85311-1

Client Sample ID: WC018

Date Collected: 10/29/14 12:45
Date Received: 10/29/14 16:00

Lab Sample ID: 460-85311-7

Matrix: Solid
Percent Solids: 92.2

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.9	U	1.9	0.38	ug/Kg	☼	10/30/14 11:09	11/01/14 11:57	1
1,1,2,2-Tetrachloroethane	1.9	U	1.9	0.25	ug/Kg	☼	10/30/14 11:09	11/01/14 11:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.9	U	1.9	0.40	ug/Kg	☼	10/30/14 11:09	11/01/14 11:57	1
1,1,2-Trichloroethane	1.9	U	1.9	0.46	ug/Kg	☼	10/30/14 11:09	11/01/14 11:57	1
1,1-Dichloroethane	1.9	U	1.9	0.34	ug/Kg	☼	10/30/14 11:09	11/01/14 11:57	1
1,1-Dichloroethene	1.9	U	1.9	0.44	ug/Kg	☼	10/30/14 11:09	11/01/14 11:57	1
1,2,4-Trichlorobenzene	1.9	U	1.9	0.52	ug/Kg	☼	10/30/14 11:09	11/01/14 11:57	1
1,2,4-Trimethylbenzene	**3.8**		1.9	0.38	ug/Kg	☼	10/30/14 11:09	11/01/14 11:57	1
1,2-Dibromo-3-Chloropropane	1.9	U	1.9	0.88	ug/Kg	☼	10/30/14 11:09	11/01/14 11:57	1
1,2-Dibromoethane	1.9	U	1.9	0.34	ug/Kg	☼	10/30/14 11:09	11/01/14 11:57	1
1,2-Dichlorobenzene	1.9	U	1.9	0.25	ug/Kg	☼	10/30/14 11:09	11/01/14 11:57	1
1,2-Dichloroethane	1.9	U	1.9	0.54	ug/Kg	☼	10/30/14 11:09	11/01/14 11:57	1
1,2-Dichloropropane	1.9	U	1.9	0.46	ug/Kg	☼	10/30/14 11:09	11/01/14 11:57	1
1,3,5-Trimethylbenzene	**1.3**	**J**	1.9	0.36	ug/Kg	☼	10/30/14 11:09	11/01/14 11:57	1
1,3-Dichlorobenzene	1.9	U	1.9	0.38	ug/Kg	☼	10/30/14 11:09	11/01/14 11:57	1
1,4-Dichlorobenzene	1.9	U	1.9	0.40	ug/Kg	☼	10/30/14 11:09	11/01/14 11:57	1
1,4-Dioxane	38	U	38	23	ug/Kg	☼	10/30/14 11:09	11/01/14 11:57	1
2-Butanone (MEK)	**21**		9.6	2.8	ug/Kg	☼	10/30/14 11:09	11/01/14 11:57	1
2-Hexanone	9.6	U	9.6	1.3	ug/Kg	☼	10/30/14 11:09	11/01/14 11:57	1
4-Methyl-2-pentanone (MIBK)	9.6	U	9.6	1.3	ug/Kg	☼	10/30/14 11:09	11/01/14 11:57	1
Acetone	**140**		9.6	0.44	ug/Kg	☼	10/30/14 11:09	11/01/14 11:57	1
Benzene	1.9	U	1.9	0.36	ug/Kg	☼	10/30/14 11:09	11/01/14 11:57	1
Bromodichloromethane	1.9	U	1.9	0.31	ug/Kg	☼	10/30/14 11:09	11/01/14 11:57	1
Bromoform	1.9	U	1.9	0.29	ug/Kg	☼	10/30/14 11:09	11/01/14 11:57	1
Bromomethane	1.9	U	1.9	0.69	ug/Kg	☼	10/30/14 11:09	11/01/14 11:57	1
Carbon disulfide	**6.0**		1.9	0.32	ug/Kg	☼	10/30/14 11:09	11/01/14 11:57	1
Carbon tetrachloride	1.9	U	1.9	0.34	ug/Kg	☼	10/30/14 11:09	11/01/14 11:57	1
Chlorobenzene	1.9	U	1.9	0.32	ug/Kg	☼	10/30/14 11:09	11/01/14 11:57	1
Chloroethane	1.9	U	1.9	0.92	ug/Kg	☼	10/30/14 11:09	11/01/14 11:57	1
Chloroform	1.9	U	1.9	0.31	ug/Kg	☼	10/30/14 11:09	11/01/14 11:57	1
Chloromethane	1.9	U	1.9	0.44	ug/Kg	☼	10/30/14 11:09	11/01/14 11:57	1
cis-1,2-Dichloroethene	**0.90**	**J**	1.9	0.42	ug/Kg	☼	10/30/14 11:09	11/01/14 11:57	1
cis-1,3-Dichloropropene	1.9	U	1.9	0.32	ug/Kg	☼	10/30/14 11:09	11/01/14 11:57	1
Cyclohexane	1.9	U	1.9	0.40	ug/Kg	☼	10/30/14 11:09	11/01/14 11:57	1
Dibromochloromethane	1.9	U	1.9	0.38	ug/Kg	☼	10/30/14 11:09	11/01/14 11:57	1
Dichlorodifluoromethane	1.9	U	1.9	0.55	ug/Kg	☼	10/30/14 11:09	11/01/14 11:57	1
Ethylbenzene	**0.53**	**J**	1.9	0.27	ug/Kg	☼	10/30/14 11:09	11/01/14 11:57	1
Isopropylbenzene	1.9	U	1.9	0.36	ug/Kg	☼	10/30/14 11:09	11/01/14 11:57	1
Methyl acetate	9.6	U	9.6	1.8	ug/Kg	☼	10/30/14 11:09	11/01/14 11:57	1
Methyl tert-butyl ether	1.9	U	1.9	0.38	ug/Kg	☼	10/30/14 11:09	11/01/14 11:57	1
Methylcyclohexane	1.9	U	1.9	0.36	ug/Kg	☼	10/30/14 11:09	11/01/14 11:57	1
Methylene Chloride	1.9	U	1.9	0.73	ug/Kg	☼	10/30/14 11:09	11/01/14 11:57	1
n-Butylbenzene	1.9	U	1.9	0.27	ug/Kg	☼	10/30/14 11:09	11/01/14 11:57	1
N-Propylbenzene	1.9	U	1.9	0.38	ug/Kg	☼	10/30/14 11:09	11/01/14 11:57	1
sec-Butylbenzene	1.9	U	1.9	0.42	ug/Kg	☼	10/30/14 11:09	11/01/14 11:57	1
Styrene	**6.4**		1.9	0.46	ug/Kg	☼	10/30/14 11:09	11/01/14 11:57	1
tert-Butylbenzene	1.9	U	1.9	0.34	ug/Kg	☼	10/30/14 11:09	11/01/14 11:57	1
Tetrachloroethene	**1.4**	**J**	1.9	0.38	ug/Kg	☼	10/30/14 11:09	11/01/14 11:57	1
Toluene	**1.1**	**J**	1.9	0.52	ug/Kg	☼	10/30/14 11:09	11/01/14 11:57	1

Client Sample Results

Client: Posillico Consulting
Project/Site: Glen Isle: Data Gap Field Program

TestAmerica Job ID: 460-85311-1

Client Sample ID: WC018

Date Collected: 10/29/14 12:45
Date Received: 10/29/14 16:00

Lab Sample ID: 460-85311-7

Matrix: Solid
Percent Solids: 92.2

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	1.9	U	1.9	0.40	ug/Kg	☼	10/30/14 11:09	11/01/14 11:57	1
trans-1,3-Dichloropropene	1.9	U	1.9	0.34	ug/Kg	☼	10/30/14 11:09	11/01/14 11:57	1
Trichloroethene	**2.3**		1.9	0.38	ug/Kg	☼	10/30/14 11:09	11/01/14 11:57	1
Trichlorofluoromethane	1.9	U	1.9	0.36	ug/Kg	☼	10/30/14 11:09	11/01/14 11:57	1
Vinyl chloride	1.9	U	1.9	0.46	ug/Kg	☼	10/30/14 11:09	11/01/14 11:57	1
Xylenes, Total	**3.6**	**J**	3.8	0.69	ug/Kg	☼	10/30/14 11:09	11/01/14 11:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*	*10/30/14 11:09*	*11/01/14 11:57*	*1*
4-Bromofluorobenzene	*98*		*70 - 130*	*10/30/14 11:09*	*11/01/14 11:57*	*1*
Dibromofluoromethane (Surr)	*36*	*X*	*70 - 130*	*10/30/14 11:09*	*11/01/14 11:57*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*	*10/30/14 11:09*	*11/01/14 11:57*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.8**		1.0	1.0	%			10/30/14 13:14	1
Percent Solids	**92**		1.0	1.0	%			10/30/14 13:14	1

Client Sample ID: WC019

Date Collected: 10/29/14 12:50
Date Received: 10/29/14 16:00

Lab Sample ID: 460-85311-8

Matrix: Solid
Percent Solids: 88.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	1900	U	1900	190	ug/Kg	☼	10/31/14 14:33	11/01/14 16:39	5
2,4,6-Trichlorophenol	750	U	750	53	ug/Kg	☼	10/31/14 14:33	11/01/14 16:39	5
2,4-Dichlorophenol	1900	U	1900	44	ug/Kg	☼	10/31/14 14:33	11/01/14 16:39	5
2,4-Dimethylphenol	1900	U	1900	410	ug/Kg	☼	10/31/14 14:33	11/01/14 16:39	5
2,4-Dinitrophenol	1500	U	1500	1400	ug/Kg	☼	10/31/14 14:33	11/01/14 16:39	5
2,4-Dinitrotoluene	380	U	380	74	ug/Kg	☼	10/31/14 14:33	11/01/14 16:39	5
2,6-Dinitrotoluene	380	U	380	99	ug/Kg	☼	10/31/14 14:33	11/01/14 16:39	5
2-Chloronaphthalene	1900	U	1900	42	ug/Kg	☼	10/31/14 14:33	11/01/14 16:39	5
2-Chlorophenol	1900	U	1900	47	ug/Kg	☼	10/31/14 14:33	11/01/14 16:39	5
2-Methylnaphthalene	1900	U	1900	41	ug/Kg	☼	10/31/14 14:33	11/01/14 16:39	5
2-Methylphenol	1900	U	1900	81	ug/Kg	☼	10/31/14 14:33	11/01/14 16:39	5
2-Nitroaniline	1900	U	1900	61	ug/Kg	☼	10/31/14 14:33	11/01/14 16:39	5
2-Nitrophenol	1900	U	1900	62	ug/Kg	☼	10/31/14 14:33	11/01/14 16:39	5
3,3'-Dichlorobenzidine	750	U	750	210	ug/Kg	☼	10/31/14 14:33	11/01/14 16:39	5
3-Nitroaniline	1900	U	1900	55	ug/Kg	☼	10/31/14 14:33	11/01/14 16:39	5
4,6-Dinitro-2-methylphenol	1500	U	1500	500	ug/Kg	☼	10/31/14 14:33	11/01/14 16:39	5
4-Bromophenyl phenyl ether	1900	U	1900	59	ug/Kg	☼	10/31/14 14:33	11/01/14 16:39	5
4-Chloro-3-methylphenol	1900	U	1900	80	ug/Kg	☼	10/31/14 14:33	11/01/14 16:39	5
4-Chloroaniline	1900	U	1900	48	ug/Kg	☼	10/31/14 14:33	11/01/14 16:39	5
4-Chlorophenyl phenyl ether	1900	U	1900	56	ug/Kg	☼	10/31/14 14:33	11/01/14 16:39	5
4-Methylphenol	1900	U	1900	51	ug/Kg	☼	10/31/14 14:33	11/01/14 16:39	5
4-Nitroaniline	1900	U	1900	70	ug/Kg	☼	10/31/14 14:33	11/01/14 16:39	5
4-Nitrophenol	3800	U	3800	890	ug/Kg	☼	10/31/14 14:33	11/01/14 16:39	5
Acenaphthene	1900	U	1900	45	ug/Kg	☼	10/31/14 14:33	11/01/14 16:39	5
Acenaphthylene	1900	U	1900	48	ug/Kg	☼	10/31/14 14:33	11/01/14 16:39	5
Acetophenone	1900	U	1900	41	ug/Kg	☼	10/31/14 14:33	11/01/14 16:39	5
Anthracene	1900	U	1900	180	ug/Kg	☼	10/31/14 14:33	11/01/14 16:39	5
Atrazine	750	U	750	83	ug/Kg	☼	10/31/14 14:33	11/01/14 16:39	5
Benzaldehyde	1900	U	1900	140	ug/Kg	☼	10/31/14 14:33	11/01/14 16:39	5
Benzo[a]anthracene	**320**		190	160	ug/Kg	☼	10/31/14 14:33	11/01/14 16:39	5
Benzo[a]pyrene	**320**	*	190	56	ug/Kg	☼	10/31/14 14:33	11/01/14 16:39	5
Benzo[b]fluoranthene	**410**		190	73	ug/Kg	☼	10/31/14 14:33	11/01/14 16:39	5
Benzo[g,h,i]perylene	**210**	J	1900	110	ug/Kg	☼	10/31/14 14:33	11/01/14 16:39	5
Benzo[k]fluoranthene	**180**	J	190	81	ug/Kg	☼	10/31/14 14:33	11/01/14 16:39	5
Biphenyl	1900	U	1900	160	ug/Kg	☼	10/31/14 14:33	11/01/14 16:39	5
bis (2-chloroisopropyl) ether	1900	U	1900	77	ug/Kg	☼	10/31/14 14:33	11/01/14 16:39	5
Bis(2-chloroethoxy)methane	1900	U	1900	58	ug/Kg	☼	10/31/14 14:33	11/01/14 16:39	5
Bis(2-chloroethyl)ether	190	U	190	44	ug/Kg	☼	10/31/14 14:33	11/01/14 16:39	5
Bis(2-ethylhexyl) phthalate	**170**	J	1900	73	ug/Kg	☼	10/31/14 14:33	11/01/14 16:39	5
Butyl benzyl phthalate	1900	U	1900	57	ug/Kg	☼	10/31/14 14:33	11/01/14 16:39	5
Caprolactam	1900	U	1900	130	ug/Kg	☼	10/31/14 14:33	11/01/14 16:39	5
Carbazole	1900	U	1900	46	ug/Kg	☼	10/31/14 14:33	11/01/14 16:39	5
Chrysene	**370**	J	1900	51	ug/Kg	☼	10/31/14 14:33	11/01/14 16:39	5
Dibenz(a,h)anthracene	190	U	190	97	ug/Kg	☼	10/31/14 14:33	11/01/14 16:39	5
Dibenzofuran	1900	U	1900	56	ug/Kg	☼	10/31/14 14:33	11/01/14 16:39	5
Diethyl phthalate	1900	U	1900	53	ug/Kg	☼	10/31/14 14:33	11/01/14 16:39	5
Dimethyl phthalate	1900	U	1900	54	ug/Kg	☼	10/31/14 14:33	11/01/14 16:39	5
Di-n-butyl phthalate	1900	U	1900	56	ug/Kg	☼	10/31/14 14:33	11/01/14 16:39	5
Di-n-octyl phthalate	1900	U	1900	95	ug/Kg	☼	10/31/14 14:33	11/01/14 16:39	5

Client Sample Results

Client: Posillico Consulting
Project/Site: Glen Isle: Data Gap Field Program

TestAmerica Job ID: 460-85311-1

Client Sample ID: WC019

Date Collected: 10/29/14 12:50
Date Received: 10/29/14 16:00

Lab Sample ID: 460-85311-8

Matrix: Solid
Percent Solids: 88.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**540**	**J**	1900	55	ug/Kg	☼	10/31/14 14:33	11/01/14 16:39	5
Fluorene	**41**	**J**	1900	41	ug/Kg	☼	10/31/14 14:33	11/01/14 16:39	5
Hexachlorobenzene	190	U	190	75	ug/Kg	☼	10/31/14 14:33	11/01/14 16:39	5
Hexachlorobutadiene	380	U	380	52	ug/Kg	☼	10/31/14 14:33	11/01/14 16:39	5
Hexachlorocyclopentadiene	1900	U	1900	120	ug/Kg	☼	10/31/14 14:33	11/01/14 16:39	5
Hexachloroethane	190	U	190	68	ug/Kg	☼	10/31/14 14:33	11/01/14 16:39	5
Indeno[1,2,3-cd]pyrene	**210**		190	120	ug/Kg	☼	10/31/14 14:33	11/01/14 16:39	5
Isophorone	**3000**		750	40	ug/Kg	☼	10/31/14 14:33	11/01/14 16:39	5
Naphthalene	**53**	**J**	1900	47	ug/Kg	☼	10/31/14 14:33	11/01/14 16:39	5
Nitrobenzene	190	U	190	59	ug/Kg	☼	10/31/14 14:33	11/01/14 16:39	5
N-Nitrosodi-n-propylamine	190	U	190	62	ug/Kg	☼	10/31/14 14:33	11/01/14 16:39	5
N-Nitrosodiphenylamine	1900	U	1900	170	ug/Kg	☼	10/31/14 14:33	11/01/14 16:39	5
Pentachlorophenol	1500	U	1500	230	ug/Kg	☼	10/31/14 14:33	11/01/14 16:39	5
Phenanthrene	**480**	**J**	1900	50	ug/Kg	☼	10/31/14 14:33	11/01/14 16:39	5
Phenol	1900	U	1900	61	ug/Kg	☼	10/31/14 14:33	11/01/14 16:39	5
Pyrene	**560**	**J**	1900	84	ug/Kg	☼	10/31/14 14:33	11/01/14 16:39	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*2*	*X*	*10 - 120*	*10/31/14 14:33*	*11/01/14 16:39*	*5*
2-Fluorobiphenyl	*70*		*40 - 109*	*10/31/14 14:33*	*11/01/14 16:39*	*5*
2-Fluorophenol (Surr)	*22*	*X*	*37 - 125*	*10/31/14 14:33*	*11/01/14 16:39*	*5*
Nitrobenzene-d5 (Surr)	*66*		*38 - 105*	*10/31/14 14:33*	*11/01/14 16:39*	*5*
Phenol-d5 (Surr)	*36*	*X*	*41 - 118*	*10/31/14 14:33*	*11/01/14 16:39*	*5*
Terphenyl-d14 (Surr)	*66*		*16 - 151*	*10/31/14 14:33*	*11/01/14 16:39*	*5*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	7.6	U	7.6	1.5	ug/Kg	☼	11/03/14 07:23	11/03/14 15:17	1
4,4'-DDE	7.6	U	7.6	1.5	ug/Kg	☼	11/03/14 07:23	11/03/14 15:17	1
4,4'-DDT	7.6	U	7.6	1.8	ug/Kg	☼	11/03/14 07:23	11/03/14 15:17	1
Aldrin	7.6	U	7.6	1.6	ug/Kg	☼	11/03/14 07:23	11/03/14 15:17	1
alpha-BHC	2.3	U	2.3	1.7	ug/Kg	☼	11/03/14 07:23	11/03/14 15:17	1
alpha-Chlordane	7.6	U	7.6	1.5	ug/Kg	☼	11/03/14 07:23	11/03/14 15:17	1
beta-BHC	2.3	U	2.3	1.8	ug/Kg	☼	11/03/14 07:23	11/03/14 15:17	1
delta-BHC	2.3	U	2.3	1.4	ug/Kg	☼	11/03/14 07:23	11/03/14 15:17	1
Dieldrin	2.3	U	2.3	1.4	ug/Kg	☼	11/03/14 07:23	11/03/14 15:17	1
Endosulfan I	7.6	U	7.6	1.7	ug/Kg	☼	11/03/14 07:23	11/03/14 15:17	1
Endosulfan II	7.6	U	7.6	1.5	ug/Kg	☼	11/03/14 07:23	11/03/14 15:17	1
Endosulfan sulfate	7.6	U	7.6	1.5	ug/Kg	☼	11/03/14 07:23	11/03/14 15:17	1
Endrin	7.6	U	7.6	1.8	ug/Kg	☼	11/03/14 07:23	11/03/14 15:17	1
Endrin aldehyde	7.6	U	7.6	1.1	ug/Kg	☼	11/03/14 07:23	11/03/14 15:17	1
Endrin ketone	7.6	U	7.6	1.5	ug/Kg	☼	11/03/14 07:23	11/03/14 15:17	1
gamma-BHC (Lindane)	2.3	U	2.3	1.4	ug/Kg	☼	11/03/14 07:23	11/03/14 15:17	1
gamma-Chlordane	7.6	U	7.6	1.5	ug/Kg	☼	11/03/14 07:23	11/03/14 15:17	1
Heptachlor	7.6	U	7.6	1.8	ug/Kg	☼	11/03/14 07:23	11/03/14 15:17	1
Heptachlor epoxide	7.6	U	7.6	1.7	ug/Kg	☼	11/03/14 07:23	11/03/14 15:17	1
Methoxychlor	7.6	U	7.6	1.8	ug/Kg	☼	11/03/14 07:23	11/03/14 15:17	1
Toxaphene	76	U	76	20	ug/Kg	☼	11/03/14 07:23	11/03/14 15:17	1

Client Sample Results

Client: Posillico Consulting
Project/Site: Glen Isle: Data Gap Field Program

TestAmerica Job ID: 460-85311-1

Client Sample ID: WC019

Date Collected: 10/29/14 12:50
Date Received: 10/29/14 16:00

Lab Sample ID: 460-85311-8

Matrix: Solid
Percent Solids: 88.7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*112*		*76 - 149*	*11/03/14 07:23*	*11/03/14 15:17*	*1*
DCB Decachlorobiphenyl	*107*		*76 - 149*	*11/03/14 07:23*	*11/03/14 15:17*	*1*
Tetrachloro-m-xylene	*109*		*72 - 136*	*11/03/14 07:23*	*11/03/14 15:17*	*1*
Tetrachloro-m-xylene	*110*		*72 - 136*	*11/03/14 07:23*	*11/03/14 15:17*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	76	U	76	17	ug/Kg	☼	11/03/14 07:35	11/04/14 11:06	1
PCB-1221	76	U	76	17	ug/Kg	☼	11/03/14 07:35	11/04/14 11:06	1
PCB-1232	76	U	76	17	ug/Kg	☼	11/03/14 07:35	11/04/14 11:06	1
PCB-1242	76	U	76	17	ug/Kg	☼	11/03/14 07:35	11/04/14 11:06	1
PCB-1248	76	U	76	17	ug/Kg	☼	11/03/14 07:35	11/04/14 11:06	1
PCB-1254	76	U	76	21	ug/Kg	☼	11/03/14 07:35	11/04/14 11:06	1
PCB-1260	76	U	76	21	ug/Kg	☼	11/03/14 07:35	11/04/14 11:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*96*		*53 - 150*	*11/03/14 07:35*	*11/04/14 11:06*	*1*
DCB Decachlorobiphenyl	*94*		*53 - 150*	*11/03/14 07:35*	*11/04/14 11:06*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9220**		35.8	19.8	mg/Kg	☼	11/01/14 16:27	11/03/14 11:48	4
Antimony	3.6	U	3.6	1.4	mg/Kg	☼	11/01/14 16:27	11/03/14 11:48	4
Arsenic	**2.2**	**J**	2.7	0.73	mg/Kg	☼	11/01/14 16:27	11/03/14 11:48	4
Barium	**44.5**		35.8	1.5	mg/Kg	☼	11/01/14 16:27	11/03/14 11:48	4
Beryllium	**0.31**	**J**	0.36	0.24	mg/Kg	☼	11/01/14 16:27	11/03/14 11:48	4
Cadmium	0.72	U	0.72	0.25	mg/Kg	☼	11/01/14 16:27	11/03/14 11:48	4
Calcium	**76400**		4480	342	mg/Kg	☼	11/01/14 16:27	11/03/14 17:44	20
Chromium	**11.1**		1.8	0.72	mg/Kg	☼	11/01/14 16:27	11/03/14 11:48	4
Cobalt	**4.5**	**J**	9.0	0.81	mg/Kg	☼	11/01/14 16:27	11/03/14 11:48	4
Copper	**10.2**		4.5	1.6	mg/Kg	☼	11/01/14 16:27	11/03/14 11:48	4
Iron	**7480**		26.9	22.3	mg/Kg	☼	11/01/14 16:27	11/03/14 11:48	4
Lead	**15.8**		1.8	0.73	mg/Kg	☼	11/01/14 16:27	11/03/14 11:48	4
Magnesium	**4010**		895	59.4	mg/Kg	☼	11/01/14 16:27	11/03/14 11:48	4
Manganese	**207**		2.7	0.77	mg/Kg	☼	11/01/14 16:27	11/03/14 11:48	4
Nickel	**8.3**		7.2	1.6	mg/Kg	☼	11/01/14 16:27	11/03/14 11:48	4
Potassium	**470**	**J**	895	24.7	mg/Kg	☼	11/01/14 16:27	11/03/14 11:48	4
Selenium	3.6	U	3.6	1.0	mg/Kg	☼	11/01/14 16:27	11/03/14 11:48	4
Silver	**0.56**	**J**	1.8	0.35	mg/Kg	☼	11/01/14 16:27	11/03/14 11:48	4
Sodium	**231**	**J**	895	67.7	mg/Kg	☼	11/01/14 16:27	11/03/14 11:48	4
Thallium	3.6	U	3.6	1.8	mg/Kg	☼	11/01/14 16:27	11/03/14 11:48	4
Vanadium	**11.4**		9.0	0.74	mg/Kg	☼	11/01/14 16:27	11/03/14 11:48	4
Zinc	**20.5**		5.4	1.5	mg/Kg	☼	11/01/14 16:27	11/03/14 11:48	4

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**3.8**		0.17	0.12	mg/Kg	☼	10/31/14 05:48	10/31/14 12:04	10

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11**		1.0	1.0	%			10/30/14 13:14	1

Client: Posillico Consulting
Project/Site: Glen Isle: Data Gap Field Program

TestAmerica Job ID: 460-85311-1

Client Sample ID: WC019
Date Collected: 10/29/14 12:50
Date Received: 10/29/14 16:00

Lab Sample ID: 460-85311-8
Matrix: Solid

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	89		1.0	1.0	%			10/30/14 13:14	1

Client Sample Results

Client: Posillico Consulting
Project/Site: Glen Isle: Data Gap Field Program

TestAmerica Job ID: 460-85311-1

Client Sample ID: WC020

Date Collected: 10/29/14 12:55
Date Received: 10/29/14 16:00

Lab Sample ID: 460-85311-9

Matrix: Solid
Percent Solids: 88.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	370	U	370	37	ug/Kg	☼	10/31/14 14:33	11/01/14 17:04	1
2,4,6-Trichlorophenol	150	U	150	11	ug/Kg	☼	10/31/14 14:33	11/01/14 17:04	1
2,4-Dichlorophenol	370	U	370	8.8	ug/Kg	☼	10/31/14 14:33	11/01/14 17:04	1
2,4-Dimethylphenol	370	U	370	82	ug/Kg	☼	10/31/14 14:33	11/01/14 17:04	1
2,4-Dinitrophenol	300	U	300	280	ug/Kg	☼	10/31/14 14:33	11/01/14 17:04	1
2,4-Dinitrotoluene	76	U	76	15	ug/Kg	☼	10/31/14 14:33	11/01/14 17:04	1
2,6-Dinitrotoluene	76	U	76	20	ug/Kg	☼	10/31/14 14:33	11/01/14 17:04	1
2-Chloronaphthalene	370	U	370	8.5	ug/Kg	☼	10/31/14 14:33	11/01/14 17:04	1
2-Chlorophenol	370	U	370	9.5	ug/Kg	☼	10/31/14 14:33	11/01/14 17:04	1
2-Methylnaphthalene	**62**	**J**	370	8.2	ug/Kg	☼	10/31/14 14:33	11/01/14 17:04	1
2-Methylphenol	370	U	370	16	ug/Kg	☼	10/31/14 14:33	11/01/14 17:04	1
2-Nitroaniline	370	U	370	12	ug/Kg	☼	10/31/14 14:33	11/01/14 17:04	1
2-Nitrophenol	370	U	370	13	ug/Kg	☼	10/31/14 14:33	11/01/14 17:04	1
3,3'-Dichlorobenzidine	150	U	150	42	ug/Kg	☼	10/31/14 14:33	11/01/14 17:04	1
3-Nitroaniline	370	U	370	11	ug/Kg	☼	10/31/14 14:33	11/01/14 17:04	1
4,6-Dinitro-2-methylphenol	300	U	300	100	ug/Kg	☼	10/31/14 14:33	11/01/14 17:04	1
4-Bromophenyl phenyl ether	370	U	370	12	ug/Kg	☼	10/31/14 14:33	11/01/14 17:04	1
4-Chloro-3-methylphenol	370	U	370	16	ug/Kg	☼	10/31/14 14:33	11/01/14 17:04	1
4-Chloroaniline	370	U	370	9.6	ug/Kg	☼	10/31/14 14:33	11/01/14 17:04	1
4-Chlorophenyl phenyl ether	370	U	370	11	ug/Kg	☼	10/31/14 14:33	11/01/14 17:04	1
4-Methylphenol	370	U	370	10	ug/Kg	☼	10/31/14 14:33	11/01/14 17:04	1
4-Nitroaniline	370	U	370	14	ug/Kg	☼	10/31/14 14:33	11/01/14 17:04	1
4-Nitrophenol	760	U	760	180	ug/Kg	☼	10/31/14 14:33	11/01/14 17:04	1
Acenaphthene	**69**	**J**	370	9.0	ug/Kg	☼	10/31/14 14:33	11/01/14 17:04	1
Acenaphthylene	**55**	**J**	370	9.6	ug/Kg	☼	10/31/14 14:33	11/01/14 17:04	1
Acetophenone	370	U	370	8.1	ug/Kg	☼	10/31/14 14:33	11/01/14 17:04	1
Anthracene	**180**	**J**	370	35	ug/Kg	☼	10/31/14 14:33	11/01/14 17:04	1
Atrazine	150	U	150	17	ug/Kg	☼	10/31/14 14:33	11/01/14 17:04	1
Benzaldehyde	**54**	**J**	370	28	ug/Kg	☼	10/31/14 14:33	11/01/14 17:04	1
Benzo[a]anthracene	**630**		37	31	ug/Kg	☼	10/31/14 14:33	11/01/14 17:04	1
Benzo[a]pyrene	**670**	*****	37	11	ug/Kg	☼	10/31/14 14:33	11/01/14 17:04	1
Benzo[b]fluoranthene	**920**		37	15	ug/Kg	☼	10/31/14 14:33	11/01/14 17:04	1
Benzo[g,h,i]perylene	**280**	**J**	370	21	ug/Kg	☼	10/31/14 14:33	11/01/14 17:04	1
Benzo[k]fluoranthene	**400**		37	16	ug/Kg	☼	10/31/14 14:33	11/01/14 17:04	1
Biphenyl	370	U	370	32	ug/Kg	☼	10/31/14 14:33	11/01/14 17:04	1
bis (2-chloroisopropyl) ether	370	U	370	15	ug/Kg	☼	10/31/14 14:33	11/01/14 17:04	1
Bis(2-chloroethoxy)methane	370	U	370	12	ug/Kg	☼	10/31/14 14:33	11/01/14 17:04	1
Bis(2-chloroethyl)ether	37	U	37	8.8	ug/Kg	☼	10/31/14 14:33	11/01/14 17:04	1
Bis(2-ethylhexyl) phthalate	**450**		370	15	ug/Kg	☼	10/31/14 14:33	11/01/14 17:04	1
Butyl benzyl phthalate	370	U	370	12	ug/Kg	☼	10/31/14 14:33	11/01/14 17:04	1
Caprolactam	370	U	370	27	ug/Kg	☼	10/31/14 14:33	11/01/14 17:04	1
Carbazole	**61**	**J**	370	9.3	ug/Kg	☼	10/31/14 14:33	11/01/14 17:04	1
Chrysene	**750**		370	10	ug/Kg	☼	10/31/14 14:33	11/01/14 17:04	1
Dibenz(a,h)anthracene	**89**		37	19	ug/Kg	☼	10/31/14 14:33	11/01/14 17:04	1
Dibenzofuran	**55**	**J**	370	11	ug/Kg	☼	10/31/14 14:33	11/01/14 17:04	1
Diethyl phthalate	370	U	370	11	ug/Kg	☼	10/31/14 14:33	11/01/14 17:04	1
Dimethyl phthalate	370	U	370	11	ug/Kg	☼	10/31/14 14:33	11/01/14 17:04	1
Di-n-butyl phthalate	370	U	370	11	ug/Kg	☼	10/31/14 14:33	11/01/14 17:04	1
Di-n-octyl phthalate	370	U	370	19	ug/Kg	☼	10/31/14 14:33	11/01/14 17:04	1

Client Sample ID: WC020

Date Collected: 10/29/14 12:55
Date Received: 10/29/14 16:00

Lab Sample ID: 460-85311-9

Matrix: Solid
Percent Solids: 88.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**1300**		370	11	ug/Kg	☼	10/31/14 14:33	11/01/14 17:04	1
Fluorene	**83**	**J**	370	8.1	ug/Kg	☼	10/31/14 14:33	11/01/14 17:04	1
Hexachlorobenzene	37	U	37	15	ug/Kg	☼	10/31/14 14:33	11/01/14 17:04	1
Hexachlorobutadiene	76	U	76	10	ug/Kg	☼	10/31/14 14:33	11/01/14 17:04	1
Hexachlorocyclopentadiene	370	U	370	23	ug/Kg	☼	10/31/14 14:33	11/01/14 17:04	1
Hexachloroethane	37	U	37	14	ug/Kg	☼	10/31/14 14:33	11/01/14 17:04	1
Indeno[1,2,3-cd]pyrene	**330**		37	25	ug/Kg	☼	10/31/14 14:33	11/01/14 17:04	1
Isophorone	**3900**		150	8.0	ug/Kg	☼	10/31/14 14:33	11/01/14 17:04	1
Naphthalene	**82**	**J**	370	9.5	ug/Kg	☼	10/31/14 14:33	11/01/14 17:04	1
Nitrobenzene	37	U	37	12	ug/Kg	☼	10/31/14 14:33	11/01/14 17:04	1
N-Nitrosodi-n-propylamine	37	U	37	13	ug/Kg	☼	10/31/14 14:33	11/01/14 17:04	1
N-Nitrosodiphenylamine	370	U	370	34	ug/Kg	☼	10/31/14 14:33	11/01/14 17:04	1
Pentachlorophenol	300	U	300	45	ug/Kg	☼	10/31/14 14:33	11/01/14 17:04	1
Phenanthrene	**730**		370	9.9	ug/Kg	☼	10/31/14 14:33	11/01/14 17:04	1
Phenol	370	U	370	12	ug/Kg	☼	10/31/14 14:33	11/01/14 17:04	1
Pyrene	**1000**		370	17	ug/Kg	☼	10/31/14 14:33	11/01/14 17:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*4*	*X*	*10 - 120*	*10/31/14 14:33*	*11/01/14 17:04*	*1*
2-Fluorobiphenyl	*81*		*40 - 109*	*10/31/14 14:33*	*11/01/14 17:04*	*1*
2-Fluorophenol (Surr)	*26*	*X*	*37 - 125*	*10/31/14 14:33*	*11/01/14 17:04*	*1*
Nitrobenzene-d5 (Surr)	*84*		*38 - 105*	*10/31/14 14:33*	*11/01/14 17:04*	*1*
Phenol-d5 (Surr)	*45*		*41 - 118*	*10/31/14 14:33*	*11/01/14 17:04*	*1*
Terphenyl-d14 (Surr)	*69*		*16 - 151*	*10/31/14 14:33*	*11/01/14 17:04*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	7.6	U	7.6	1.5	ug/Kg	☼	11/03/14 07:23	11/03/14 15:29	1
4,4'-DDE	7.6	U	7.6	1.5	ug/Kg	☼	11/03/14 07:23	11/03/14 15:29	1
4,4'-DDT	7.6	U	7.6	1.8	ug/Kg	☼	11/03/14 07:23	11/03/14 15:29	1
Aldrin	7.6	U	7.6	1.6	ug/Kg	☼	11/03/14 07:23	11/03/14 15:29	1
alpha-BHC	2.3	U	2.3	1.7	ug/Kg	☼	11/03/14 07:23	11/03/14 15:29	1
alpha-Chlordane	7.6	U	7.6	1.5	ug/Kg	☼	11/03/14 07:23	11/03/14 15:29	1
beta-BHC	2.3	U	2.3	1.8	ug/Kg	☼	11/03/14 07:23	11/03/14 15:29	1
delta-BHC	2.3	U	2.3	1.4	ug/Kg	☼	11/03/14 07:23	11/03/14 15:29	1
Dieldrin	2.3	U	2.3	1.4	ug/Kg	☼	11/03/14 07:23	11/03/14 15:29	1
Endosulfan I	7.6	U	7.6	1.7	ug/Kg	☼	11/03/14 07:23	11/03/14 15:29	1
Endosulfan II	7.6	U	7.6	1.5	ug/Kg	☼	11/03/14 07:23	11/03/14 15:29	1
Endosulfan sulfate	7.6	U	7.6	1.5	ug/Kg	☼	11/03/14 07:23	11/03/14 15:29	1
Endrin	7.6	U	7.6	1.8	ug/Kg	☼	11/03/14 07:23	11/03/14 15:29	1
Endrin aldehyde	7.6	U	7.6	1.1	ug/Kg	☼	11/03/14 07:23	11/03/14 15:29	1
Endrin ketone	7.6	U	7.6	1.5	ug/Kg	☼	11/03/14 07:23	11/03/14 15:29	1
gamma-BHC (Lindane)	2.3	U	2.3	1.4	ug/Kg	☼	11/03/14 07:23	11/03/14 15:29	1
gamma-Chlordane	7.6	U	7.6	1.5	ug/Kg	☼	11/03/14 07:23	11/03/14 15:29	1
Heptachlor	7.6	U	7.6	1.8	ug/Kg	☼	11/03/14 07:23	11/03/14 15:29	1
Heptachlor epoxide	7.6	U	7.6	1.7	ug/Kg	☼	11/03/14 07:23	11/03/14 15:29	1
Methoxychlor	7.6	U	7.6	1.8	ug/Kg	☼	11/03/14 07:23	11/03/14 15:29	1
Toxaphene	76	U	76	20	ug/Kg	☼	11/03/14 07:23	11/03/14 15:29	1

Client Sample Results

Client: Posillico Consulting
Project/Site: Glen Isle: Data Gap Field Program

TestAmerica Job ID: 460-85311-1

Client Sample ID: WC020

Date Collected: 10/29/14 12:55
Date Received: 10/29/14 16:00

Lab Sample ID: 460-85311-9

Matrix: Solid
Percent Solids: 88.4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*114*		*76 - 149*	*11/03/14 07:23*	*11/03/14 15:29*	*1*
DCB Decachlorobiphenyl	*112*		*76 - 149*	*11/03/14 07:23*	*11/03/14 15:29*	*1*
Tetrachloro-m-xylene	*109*		*72 - 136*	*11/03/14 07:23*	*11/03/14 15:29*	*1*
Tetrachloro-m-xylene	*109*		*72 - 136*	*11/03/14 07:23*	*11/03/14 15:29*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	76	U	76	17	ug/Kg	☼	11/03/14 07:35	11/04/14 11:25	1
PCB-1221	76	U	76	17	ug/Kg	☼	11/03/14 07:35	11/04/14 11:25	1
PCB-1232	76	U	76	17	ug/Kg	☼	11/03/14 07:35	11/04/14 11:25	1
PCB-1242	76	U	76	17	ug/Kg	☼	11/03/14 07:35	11/04/14 11:25	1
PCB-1248	76	U	76	17	ug/Kg	☼	11/03/14 07:35	11/04/14 11:25	1
PCB-1254	76	U	76	21	ug/Kg	☼	11/03/14 07:35	11/04/14 11:25	1
PCB-1260	76	U	76	21	ug/Kg	☼	11/03/14 07:35	11/04/14 11:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*105*		*53 - 150*	*11/03/14 07:35*	*11/04/14 11:25*	*1*
DCB Decachlorobiphenyl	*98*		*53 - 150*	*11/03/14 07:35*	*11/04/14 11:25*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**10400**		36.5	20.2	mg/Kg	☼	11/01/14 16:27	11/03/14 11:52	4
Antimony	3.7	U	3.7	1.4	mg/Kg	☼	11/01/14 16:27	11/03/14 11:52	4
Arsenic	**5.3**		2.7	0.75	mg/Kg	☼	11/01/14 16:27	11/03/14 11:52	4
Barium	**52.9**		36.5	1.6	mg/Kg	☼	11/01/14 16:27	11/03/14 11:52	4
Beryllium	**0.35**	**J**	0.37	0.25	mg/Kg	☼	11/01/14 16:27	11/03/14 11:52	4
Cadmium	**0.57**	**J**	0.73	0.26	mg/Kg	☼	11/01/14 16:27	11/03/14 11:52	4
Calcium	**96900**		4560	349	mg/Kg	☼	11/01/14 16:27	11/03/14 17:48	20
Chromium	**14.4**		1.8	0.73	mg/Kg	☼	11/01/14 16:27	11/03/14 11:52	4
Cobalt	**6.5**	**J**	9.1	0.82	mg/Kg	☼	11/01/14 16:27	11/03/14 11:52	4
Copper	**55.4**		4.6	1.6	mg/Kg	☼	11/01/14 16:27	11/03/14 11:52	4
Iron	**11500**		27.4	22.7	mg/Kg	☼	11/01/14 16:27	11/03/14 11:52	4
Lead	**34.0**		1.8	0.75	mg/Kg	☼	11/01/14 16:27	11/03/14 11:52	4
Magnesium	**5810**		913	60.6	mg/Kg	☼	11/01/14 16:27	11/03/14 11:52	4
Manganese	**223**		2.7	0.79	mg/Kg	☼	11/01/14 16:27	11/03/14 11:52	4
Nickel	**16.7**		7.3	1.6	mg/Kg	☼	11/01/14 16:27	11/03/14 11:52	4
Potassium	**597**	**J**	913	25.2	mg/Kg	☼	11/01/14 16:27	11/03/14 11:52	4
Selenium	3.7	U	3.7	1.0	mg/Kg	☼	11/01/14 16:27	11/03/14 11:52	4
Silver	**3.1**		1.8	0.35	mg/Kg	☼	11/01/14 16:27	11/03/14 11:52	4
Sodium	**353**	**J**	913	69.0	mg/Kg	☼	11/01/14 16:27	11/03/14 11:52	4
Thallium	3.7	U	3.7	1.8	mg/Kg	☼	11/01/14 16:27	11/03/14 11:52	4
Vanadium	**14.2**		9.1	0.75	mg/Kg	☼	11/01/14 16:27	11/03/14 11:52	4
Zinc	**60.0**		5.5	1.6	mg/Kg	☼	11/01/14 16:27	11/03/14 11:52	4

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.54**		0.018	0.013	mg/Kg	☼	10/31/14 05:48	10/31/14 12:06	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12**		1.0	1.0	%			10/30/14 13:14	1

Client Sample Results

Client: Posillico Consulting
Project/Site: Glen Isle: Data Gap Field Program

TestAmerica Job ID: 460-85311-1

Client Sample ID: WC020

Date Collected: 10/29/14 12:55
Date Received: 10/29/14 16:00

Lab Sample ID: 460-85311-9

Matrix: Solid

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	88		1.0	1.0	%			10/30/14 13:14	1

Surrogate Summary

Client: Posillico Consulting
Project/Site: Glen Isle: Data Gap Field Program

TestAmerica Job ID: 460-85311-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)	(70-130)
460-85311-1	WC012	104	100	49 X	95
460-85311-2	WC013	104	99	44 X	99
460-85311-3	WC014	110	103	46 X	102
460-85311-4	WC015	111	110	48 X	105
460-85311-5	WC016	103	103	50 X	101
460-85311-6	WC017	114	109	60 X	107
460-85311-7	WC018	103	98	36 X	97
LCS 460-259691/3	Lab Control Sample	93	98	98	97
LCSD 460-259691/4	Lab Control Sample Dup	93	97	97	99
MB 460-259691/6	Method Blank	101	95	103	95

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPH
Lab Sample ID	Client Sample ID	(10-120)	(40-109)	(37-125)	(38-105)	(41-118)	(16-151)
460-85311-8	WC019	2 X	70	22 X	66	36 X	66
460-85311-9	WC020	4 X	81	26 X	84	45	69
LCS 460-259569/25-A	Lab Control Sample	113	91	87	98	93	115
LCS 460-259569/2-A	Lab Control Sample	97	83	77	83	81	96
MB 460-259569/1-A	Method Blank	106	88	84	94	91	113

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPH = Terphenyl-d14 (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCB1	DCB2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(76-149)	(76-149)	(72-136)	(72-136)
460-85311-8	WC019	112	107	109	110
460-85311-9	WC020	114	112	109	109
LCS 460-259936/2-A	Lab Control Sample	97	98	89	85
MB 460-259936/1-A	Method Blank	104	103	93	90

Surrogate Legend

DCB = DCB Decachlorobiphenyl

Surrogate Summary

Client: Posillico Consulting
Project/Site: Glen Isle: Data Gap Field Program

TestAmerica Job ID: 460-85311-1

TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB1	DCB2
Lab Sample ID	Client Sample ID	(53-150)	(53-150)
460-85311-8	WC019	96	94
460-85311-9	WC020	105	98
LCS 460-259941/2-A	Lab Control Sample	109	105
MB 460-259941/1-A	Method Blank	102	101

Surrogate Legend

DCB = DCB Decachlorobiphenyl

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 460-259691/6
Matrix: Solid
Analysis Batch: 259691

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.20	ug/Kg			11/01/14 07:31	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.13	ug/Kg			11/01/14 07:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.21	ug/Kg			11/01/14 07:31	1
1,1,2-Trichloroethane	1.0	U	1.0	0.24	ug/Kg			11/01/14 07:31	1
1,1-Dichloroethane	1.0	U	1.0	0.18	ug/Kg			11/01/14 07:31	1
1,1-Dichloroethene	1.0	U	1.0	0.23	ug/Kg			11/01/14 07:31	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.27	ug/Kg			11/01/14 07:31	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.20	ug/Kg			11/01/14 07:31	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.46	ug/Kg			11/01/14 07:31	1
1,2-Dibromoethane	1.0	U	1.0	0.18	ug/Kg			11/01/14 07:31	1
1,2-Dichlorobenzene	1.0	U	1.0	0.13	ug/Kg			11/01/14 07:31	1
1,2-Dichloroethane	1.0	U	1.0	0.28	ug/Kg			11/01/14 07:31	1
1,2-Dichloropropane	1.0	U	1.0	0.24	ug/Kg			11/01/14 07:31	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.19	ug/Kg			11/01/14 07:31	1
1,3-Dichlorobenzene	1.0	U	1.0	0.20	ug/Kg			11/01/14 07:31	1
1,4-Dichlorobenzene	1.0	U	1.0	0.21	ug/Kg			11/01/14 07:31	1
1,4-Dioxane	20	U	20	12	ug/Kg			11/01/14 07:31	1
2-Butanone (MEK)	5.0	U	5.0	1.5	ug/Kg			11/01/14 07:31	1
2-Hexanone	5.0	U	5.0	0.69	ug/Kg			11/01/14 07:31	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	0.68	ug/Kg			11/01/14 07:31	1
Acetone	5.0	U	5.0	0.23	ug/Kg			11/01/14 07:31	1
Benzene	1.0	U	1.0	0.19	ug/Kg			11/01/14 07:31	1
Bromodichloromethane	1.0	U	1.0	0.16	ug/Kg			11/01/14 07:31	1
Bromoform	1.0	U	1.0	0.15	ug/Kg			11/01/14 07:31	1
Bromomethane	1.0	U	1.0	0.36	ug/Kg			11/01/14 07:31	1
Carbon disulfide	1.0	U	1.0	0.17	ug/Kg			11/01/14 07:31	1
Carbon tetrachloride	1.0	U	1.0	0.18	ug/Kg			11/01/14 07:31	1
Chlorobenzene	1.0	U	1.0	0.17	ug/Kg			11/01/14 07:31	1
Chloroethane	1.0	U	1.0	0.48	ug/Kg			11/01/14 07:31	1
Chloroform	1.0	U	1.0	0.16	ug/Kg			11/01/14 07:31	1
Chloromethane	1.0	U	1.0	0.23	ug/Kg			11/01/14 07:31	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/Kg			11/01/14 07:31	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.17	ug/Kg			11/01/14 07:31	1
Cyclohexane	1.0	U	1.0	0.21	ug/Kg			11/01/14 07:31	1
Dibromochloromethane	1.0	U	1.0	0.20	ug/Kg			11/01/14 07:31	1
Dichlorodifluoromethane	1.0	U	1.0	0.29	ug/Kg			11/01/14 07:31	1
Ethylbenzene	1.0	U	1.0	0.14	ug/Kg			11/01/14 07:31	1
Isopropylbenzene	1.0	U	1.0	0.19	ug/Kg			11/01/14 07:31	1
Methyl acetate	5.0	U	5.0	0.94	ug/Kg			11/01/14 07:31	1
Methyl tert-butyl ether	1.0	U	1.0	0.20	ug/Kg			11/01/14 07:31	1
Methylcyclohexane	1.0	U	1.0	0.19	ug/Kg			11/01/14 07:31	1
Methylene Chloride	1.0	U	1.0	0.38	ug/Kg			11/01/14 07:31	1
n-Butylbenzene	1.0	U	1.0	0.14	ug/Kg			11/01/14 07:31	1
N-Propylbenzene	1.0	U	1.0	0.20	ug/Kg			11/01/14 07:31	1
sec-Butylbenzene	1.0	U	1.0	0.22	ug/Kg			11/01/14 07:31	1
Styrene	1.0	U	1.0	0.24	ug/Kg			11/01/14 07:31	1
tert-Butylbenzene	1.0	U	1.0	0.18	ug/Kg			11/01/14 07:31	1
Tetrachloroethene	1.0	U	1.0	0.20	ug/Kg			11/01/14 07:31	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-259691/6
Matrix: Solid
Analysis Batch: 259691

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	1.0	U	1.0	0.27	ug/Kg			11/01/14 07:31	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.21	ug/Kg			11/01/14 07:31	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.18	ug/Kg			11/01/14 07:31	1
Trichloroethene	1.0	U	1.0	0.20	ug/Kg			11/01/14 07:31	1
Trichlorofluoromethane	1.0	U	1.0	0.19	ug/Kg			11/01/14 07:31	1
Vinyl chloride	1.0	U	1.0	0.24	ug/Kg			11/01/14 07:31	1
Xylenes, Total	2.0	U	2.0	0.36	ug/Kg			11/01/14 07:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*		*11/01/14 07:31*	*1*
4-Bromofluorobenzene	*95*		*70 - 130*		*11/01/14 07:31*	*1*
Dibromofluoromethane (Surr)	*103*		*70 - 130*		*11/01/14 07:31*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*11/01/14 07:31*	*1*

Lab Sample ID: LCS 460-259691/3
Matrix: Solid
Analysis Batch: 259691

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	20.0	18.5		ug/Kg		93	82 - 129
1,1,2,2-Tetrachloroethane	20.0	17.8		ug/Kg		89	66 - 121
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	21.4		ug/Kg		107	73 - 134
1,1,2-Trichloroethane	20.0	18.7		ug/Kg		93	74 - 116
1,1-Dichloroethane	20.0	18.2		ug/Kg		91	78 - 125
1,1-Dichloroethene	20.0	18.6		ug/Kg		93	74 - 128
1,2,4-Trichlorobenzene	20.0	18.6		ug/Kg		93	81 - 127
1,2,4-Trimethylbenzene	20.0	19.9		ug/Kg		100	80 - 122
1,2-Dibromo-3-Chloropropane	20.0	18.4		ug/Kg		92	61 - 125
1,2-Dibromoethane	20.0	18.4		ug/Kg		92	78 - 117
1,2-Dichlorobenzene	20.0	18.3		ug/Kg		92	77 - 120
1,2-Dichloroethane	20.0	18.5		ug/Kg		92	79 - 120
1,2-Dichloropropane	20.0	18.9		ug/Kg		94	72 - 123
1,3,5-Trimethylbenzene	20.0	19.1		ug/Kg		96	79 - 122
1,3-Dichlorobenzene	20.0	18.3		ug/Kg		92	78 - 120
1,4-Dichlorobenzene	20.0	17.9		ug/Kg		90	77 - 120
1,4-Dioxane	400	391		ug/Kg		98	69 - 142
2-Butanone (MEK)	100	84.3		ug/Kg		84	58 - 140
2-Hexanone	100	94.5		ug/Kg		94	52 - 134
4-Methyl-2-pentanone (MIBK)	100	96.1		ug/Kg		96	55 - 133
Acetone	100	88.4		ug/Kg		88	58 - 139
Benzene	20.0	18.7		ug/Kg		94	75 - 123
Bromodichloromethane	20.0	19.1		ug/Kg		96	77 - 122
Bromoform	20.0	18.6		ug/Kg		93	70 - 130
Bromomethane	20.0	20.7		ug/Kg		104	62 - 150
Carbon disulfide	20.0	18.7		ug/Kg		94	73 - 127
Carbon tetrachloride	20.0	19.3		ug/Kg		97	77 - 137
Chlorobenzene	20.0	18.8		ug/Kg		94	80 - 120

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-259691/3
Matrix: Solid
Analysis Batch: 259691

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroethane	20.0	19.9		ug/Kg		100	60 - 140
Chloroform	20.0	19.1		ug/Kg		95	77 - 122
Chloromethane	20.0	20.2		ug/Kg		101	48 - 144
cis-1,2-Dichloroethene	20.0	18.2		ug/Kg		91	82 - 121
cis-1,3-Dichloropropene	20.0	18.0		ug/Kg		90	75 - 119
Cyclohexane	20.0	18.4		ug/Kg		92	66 - 128
Dibromochloromethane	20.0	18.4		ug/Kg		92	74 - 124
Dichlorodifluoromethane	20.0	22.0		ug/Kg		110	52 - 145
Ethylbenzene	20.0	19.2		ug/Kg		96	80 - 120
Isopropylbenzene	20.0	19.8		ug/Kg		99	80 - 120
Methyl acetate	100	96.3		ug/Kg		96	61 - 137
Methyl tert-butyl ether	20.0	18.6		ug/Kg		93	75 - 124
Methylcyclohexane	20.0	19.5		ug/Kg		98	80 - 125
Methylene Chloride	20.0	16.9		ug/Kg		84	75 - 124
n-Butylbenzene	20.0	20.4		ug/Kg		102	79 - 125
N-Propylbenzene	20.0	19.5		ug/Kg		97	77 - 124
sec-Butylbenzene	20.0	20.0		ug/Kg		100	78 - 125
Styrene	20.0	19.2		ug/Kg		96	78 - 120
tert-Butylbenzene	20.0	18.3		ug/Kg		92	79 - 122
Tetrachloroethene	20.0	18.8		ug/Kg		94	80 - 127
Toluene	20.0	18.0		ug/Kg		90	82 - 117
trans-1,2-Dichloroethene	20.0	18.2		ug/Kg		91	83 - 124
trans-1,3-Dichloropropene	20.0	17.5		ug/Kg		88	74 - 119
Trichloroethene	20.0	18.5		ug/Kg		93	78 - 122
Trichlorofluoromethane	20.0	21.4		ug/Kg		107	63 - 147
Vinyl chloride	20.0	21.5		ug/Kg		107	62 - 132
Xylenes, Total	40.0	38.0		ug/Kg		95	78 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 130*
4-Bromofluorobenzene	*98*		*70 - 130*
Dibromofluoromethane (Surr)	*98*		*70 - 130*
Toluene-d8 (Surr)	*97*		*70 - 130*

Lab Sample ID: LCSD 460-259691/4
Matrix: Solid
Analysis Batch: 259691

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	20.0	19.6		ug/Kg		98	82 - 129	5	30
1,1,2,2-Tetrachloroethane	20.0	17.7		ug/Kg		89	66 - 121	0	30
1,1,2-Trichloro-1,2,2-trifluoroetha ne	20.0	22.9		ug/Kg		114	73 - 134	7	30
1,1,2-Trichloroethane	20.0	18.3		ug/Kg		92	74 - 116	2	30
1,1-Dichloroethane	20.0	18.9		ug/Kg		94	78 - 125	4	30
1,1-Dichloroethene	20.0	19.5		ug/Kg		98	74 - 128	5	30
1,2,4-Trichlorobenzene	20.0	19.1		ug/Kg		96	81 - 127	3	30
1,2,4-Trimethylbenzene	20.0	20.8		ug/Kg		104	80 - 122	4	30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-259691/4
Matrix: Solid
Analysis Batch: 259691

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane	20.0	18.7		ug/Kg		94	61 - 125	2	30
1,2-Dibromoethane	20.0	18.5		ug/Kg		93	78 - 117	1	30
1,2-Dichlorobenzene	20.0	18.8		ug/Kg		94	77 - 120	3	30
1,2-Dichloroethane	20.0	18.7		ug/Kg		93	79 - 120	1	30
1,2-Dichloropropane	20.0	18.7		ug/Kg		93	72 - 123	1	30
1,3,5-Trimethylbenzene	20.0	20.2		ug/Kg		101	79 - 122	5	30
1,3-Dichlorobenzene	20.0	19.0		ug/Kg		95	78 - 120	4	30
1,4-Dichlorobenzene	20.0	18.4		ug/Kg		92	77 - 120	3	30
1,4-Dioxane	400	400		ug/Kg		100	69 - 142	2	30
2-Butanone (MEK)	100	89.8		ug/Kg		90	58 - 140	6	30
2-Hexanone	100	89.0		ug/Kg		89	52 - 134	6	30
4-Methyl-2-pentanone (MIBK)	100	93.8		ug/Kg		94	55 - 133	2	30
Acetone	100	86.3		ug/Kg		86	58 - 139	2	30
Benzene	20.0	19.7		ug/Kg		99	75 - 123	5	30
Bromodichloromethane	20.0	18.8		ug/Kg		94	77 - 122	2	30
Bromoform	20.0	18.3		ug/Kg		92	70 - 130	2	30
Bromomethane	20.0	21.1		ug/Kg		105	62 - 150	2	30
Carbon disulfide	20.0	18.7		ug/Kg		94	73 - 127	0	30
Carbon tetrachloride	20.0	20.4		ug/Kg		102	77 - 137	5	30
Chlorobenzene	20.0	19.4		ug/Kg		97	80 - 120	3	30
Chloroethane	20.0	20.7		ug/Kg		103	60 - 140	4	30
Chloroform	20.0	19.1		ug/Kg		95	77 - 122	0	30
Chloromethane	20.0	21.1		ug/Kg		105	48 - 144	4	30
cis-1,2-Dichloroethene	20.0	18.6		ug/Kg		93	82 - 121	2	30
cis-1,3-Dichloropropene	20.0	18.2		ug/Kg		91	75 - 119	1	30
Cyclohexane	20.0	18.9		ug/Kg		94	66 - 128	2	30
Dibromochloromethane	20.0	18.9		ug/Kg		94	74 - 124	3	30
Dichlorodifluoromethane	20.0	23.2		ug/Kg		116	52 - 145	5	30
Ethylbenzene	20.0	19.9		ug/Kg		100	80 - 120	4	30
Isopropylbenzene	20.0	20.6		ug/Kg		103	80 - 120	4	30
Methyl acetate	100	93.8		ug/Kg		94	61 - 137	3	30
Methyl tert-butyl ether	20.0	18.8		ug/Kg		94	75 - 124	1	30
Methylcyclohexane	20.0	20.3		ug/Kg		102	80 - 125	4	30
Methylene Chloride	20.0	17.1		ug/Kg		85	75 - 124	1	30
n-Butylbenzene	20.0	21.3		ug/Kg		107	79 - 125	5	30
N-Propylbenzene	20.0	20.4		ug/Kg		102	77 - 124	5	30
sec-Butylbenzene	20.0	21.2		ug/Kg		106	78 - 125	6	30
Styrene	20.0	19.5		ug/Kg		98	78 - 120	2	30
tert-Butylbenzene	20.0	19.6		ug/Kg		98	79 - 122	7	30
Tetrachloroethene	20.0	19.9		ug/Kg		100	80 - 127	6	30
Toluene	20.0	18.8		ug/Kg		94	82 - 117	5	30
trans-1,2-Dichloroethene	20.0	18.8		ug/Kg		94	83 - 124	3	30
trans-1,3-Dichloropropene	20.0	17.6		ug/Kg		88	74 - 119	0	30
Trichloroethene	20.0	18.8		ug/Kg		94	78 - 122	2	30
Trichlorofluoromethane	20.0	23.1		ug/Kg		116	63 - 147	8	30
Vinyl chloride	20.0	22.4		ug/Kg		112	62 - 132	4	30
Xylenes, Total	40.0	38.6		ug/Kg		97	78 - 120	2	30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-259691/4
Matrix: Solid
Analysis Batch: 259691

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 130*
4-Bromofluorobenzene	*97*		*70 - 130*
Dibromofluoromethane (Surr)	*97*		*70 - 130*
Toluene-d8 (Surr)	*99*		*70 - 130*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 460-259569/1-A
Matrix: Solid
Analysis Batch: 259684

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 259569

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	330	U	330	33	ug/Kg		10/31/14 14:33	11/01/14 06:44	1
2,4,6-Trichlorophenol	130	U	130	9.4	ug/Kg		10/31/14 14:33	11/01/14 06:44	1
2,4-Dichlorophenol	330	U	330	7.8	ug/Kg		10/31/14 14:33	11/01/14 06:44	1
2,4-Dimethylphenol	330	U	330	73	ug/Kg		10/31/14 14:33	11/01/14 06:44	1
2,4-Dinitrophenol	270	U	270	250	ug/Kg		10/31/14 14:33	11/01/14 06:44	1
2,4-Dinitrotoluene	67	U	67	13	ug/Kg		10/31/14 14:33	11/01/14 06:44	1
2,6-Dinitrotoluene	67	U	67	18	ug/Kg		10/31/14 14:33	11/01/14 06:44	1
2-Chloronaphthalene	330	U	330	7.5	ug/Kg		10/31/14 14:33	11/01/14 06:44	1
2-Chlorophenol	330	U	330	8.4	ug/Kg		10/31/14 14:33	11/01/14 06:44	1
2-Methylnaphthalene	330	U	330	7.3	ug/Kg		10/31/14 14:33	11/01/14 06:44	1
2-Methylphenol	330	U	330	14	ug/Kg		10/31/14 14:33	11/01/14 06:44	1
2-Nitroaniline	330	U	330	11	ug/Kg		10/31/14 14:33	11/01/14 06:44	1
2-Nitrophenol	330	U	330	11	ug/Kg		10/31/14 14:33	11/01/14 06:44	1
3,3'-Dichlorobenzidine	130	U	130	37	ug/Kg		10/31/14 14:33	11/01/14 06:44	1
3-Nitroaniline	330	U	330	9.8	ug/Kg		10/31/14 14:33	11/01/14 06:44	1
4,6-Dinitro-2-methylphenol	270	U	270	88	ug/Kg		10/31/14 14:33	11/01/14 06:44	1
4-Bromophenyl phenyl ether	330	U	330	10	ug/Kg		10/31/14 14:33	11/01/14 06:44	1
4-Chloro-3-methylphenol	330	U	330	14	ug/Kg		10/31/14 14:33	11/01/14 06:44	1
4-Chloroaniline	330	U	330	8.5	ug/Kg		10/31/14 14:33	11/01/14 06:44	1
4-Chlorophenyl phenyl ether	330	U	330	9.9	ug/Kg		10/31/14 14:33	11/01/14 06:44	1
4-Methylphenol	330	U	330	9.0	ug/Kg		10/31/14 14:33	11/01/14 06:44	1
4-Nitroaniline	330	U	330	13	ug/Kg		10/31/14 14:33	11/01/14 06:44	1
4-Nitrophenol	670	U	670	160	ug/Kg		10/31/14 14:33	11/01/14 06:44	1
Acenaphthene	330	U	330	8.0	ug/Kg		10/31/14 14:33	11/01/14 06:44	1
Acenaphthylene	330	U	330	8.5	ug/Kg		10/31/14 14:33	11/01/14 06:44	1
Acetophenone	330	U	330	7.2	ug/Kg		10/31/14 14:33	11/01/14 06:44	1
Anthracene	330	U	330	31	ug/Kg		10/31/14 14:33	11/01/14 06:44	1
Atrazine	130	U	130	15	ug/Kg		10/31/14 14:33	11/01/14 06:44	1
Benzaldehyde	330	U	330	25	ug/Kg		10/31/14 14:33	11/01/14 06:44	1
Benzo[a]anthracene	33	U	33	28	ug/Kg		10/31/14 14:33	11/01/14 06:44	1
Benzo[a]pyrene	33	U	33	10	ug/Kg		10/31/14 14:33	11/01/14 06:44	1
Benzo[b]fluoranthene	33	U	33	13	ug/Kg		10/31/14 14:33	11/01/14 06:44	1
Benzo[g,h,i]perylene	330	U	330	19	ug/Kg		10/31/14 14:33	11/01/14 06:44	1
Benzo[k]fluoranthene	33	U	33	14	ug/Kg		10/31/14 14:33	11/01/14 06:44	1
Biphenyl	330	U	330	28	ug/Kg		10/31/14 14:33	11/01/14 06:44	1
bis (2-chloroisopropyl) ether	330	U	330	14	ug/Kg		10/31/14 14:33	11/01/14 06:44	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-259569/1-A
Matrix: Solid
Analysis Batch: 259684

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 259569

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	330	U	330	10	ug/Kg		10/31/14 14:33	11/01/14 06:44	1
Bis(2-chloroethyl)ether	33	U	33	7.8	ug/Kg		10/31/14 14:33	11/01/14 06:44	1
Bis(2-ethylhexyl) phthalate	330	U	330	13	ug/Kg		10/31/14 14:33	11/01/14 06:44	1
Butyl benzyl phthalate	330	U	330	10	ug/Kg		10/31/14 14:33	11/01/14 06:44	1
Caprolactam	330	U	330	24	ug/Kg		10/31/14 14:33	11/01/14 06:44	1
Carbazole	330	U	330	8.2	ug/Kg		10/31/14 14:33	11/01/14 06:44	1
Chrysene	330	U	330	9.0	ug/Kg		10/31/14 14:33	11/01/14 06:44	1
Dibenz(a,h)anthracene	33	U	33	17	ug/Kg		10/31/14 14:33	11/01/14 06:44	1
Dibenzofuran	330	U	330	10	ug/Kg		10/31/14 14:33	11/01/14 06:44	1
Diethyl phthalate	330	U	330	9.4	ug/Kg		10/31/14 14:33	11/01/14 06:44	1
Dimethyl phthalate	330	U	330	9.6	ug/Kg		10/31/14 14:33	11/01/14 06:44	1
Di-n-butyl phthalate	330	U	330	9.9	ug/Kg		10/31/14 14:33	11/01/14 06:44	1
Di-n-octyl phthalate	330	U	330	17	ug/Kg		10/31/14 14:33	11/01/14 06:44	1
Fluoranthene	330	U	330	9.8	ug/Kg		10/31/14 14:33	11/01/14 06:44	1
Fluorene	330	U	330	7.2	ug/Kg		10/31/14 14:33	11/01/14 06:44	1
Hexachlorobenzene	33	U	33	13	ug/Kg		10/31/14 14:33	11/01/14 06:44	1
Hexachlorobutadiene	67	U	67	9.3	ug/Kg		10/31/14 14:33	11/01/14 06:44	1
Hexachlorocyclopentadiene	330	U	330	21	ug/Kg		10/31/14 14:33	11/01/14 06:44	1
Hexachloroethane	33	U	33	12	ug/Kg		10/31/14 14:33	11/01/14 06:44	1
Indeno[1,2,3-cd]pyrene	33	U	33	22	ug/Kg		10/31/14 14:33	11/01/14 06:44	1
Isophorone	130	U	130	7.1	ug/Kg		10/31/14 14:33	11/01/14 06:44	1
Naphthalene	330	U	330	8.4	ug/Kg		10/31/14 14:33	11/01/14 06:44	1
Nitrobenzene	33	U	33	10	ug/Kg		10/31/14 14:33	11/01/14 06:44	1
N-Nitrosodi-n-propylamine	33	U	33	11	ug/Kg		10/31/14 14:33	11/01/14 06:44	1
N-Nitrosodiphenylamine	330	U	330	30	ug/Kg		10/31/14 14:33	11/01/14 06:44	1
Pentachlorophenol	270	U	270	40	ug/Kg		10/31/14 14:33	11/01/14 06:44	1
Phenanthrene	330	U	330	8.8	ug/Kg		10/31/14 14:33	11/01/14 06:44	1
Phenol	330	U	330	11	ug/Kg		10/31/14 14:33	11/01/14 06:44	1
Pyrene	330	U	330	15	ug/Kg		10/31/14 14:33	11/01/14 06:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*106*		*10 - 120*	*10/31/14 14:33*	*11/01/14 06:44*	*1*
2-Fluorobiphenyl	*88*		*40 - 109*	*10/31/14 14:33*	*11/01/14 06:44*	*1*
2-Fluorophenol (Surr)	*84*		*37 - 125*	*10/31/14 14:33*	*11/01/14 06:44*	*1*
Nitrobenzene-d5 (Surr)	*94*		*38 - 105*	*10/31/14 14:33*	*11/01/14 06:44*	*1*
Phenol-d5 (Surr)	*91*		*41 - 118*	*10/31/14 14:33*	*11/01/14 06:44*	*1*
Terphenyl-d14 (Surr)	*113*		*16 - 151*	*10/31/14 14:33*	*11/01/14 06:44*	*1*

Lab Sample ID: LCS 460-259569/25-A
Matrix: Solid
Analysis Batch: 259684

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 259569

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzaldehyde			6670	5720		ug/Kg		86	10 - 160		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*113*		*10 - 120*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-259569/25-A
Matrix: Solid
Analysis Batch: 259684

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 259569

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*91*		*40 - 109*
2-Fluorophenol (Surr)	*87*		*37 - 125*
Nitrobenzene-d5 (Surr)	*98*		*38 - 105*
Phenol-d5 (Surr)	*93*		*41 - 118*
Terphenyl-d14 (Surr)	*115*		*16 - 151*

Lab Sample ID: LCS 460-259569/2-A
Matrix: Solid
Analysis Batch: 259895

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 259569

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,5-Trichlorophenol	3330	2950		ug/Kg		88	50 - 115
2,4,6-Trichlorophenol	3330	3140		ug/Kg		94	53 - 118
2,4-Dichlorophenol	3330	2900		ug/Kg		87	58 - 115
2,4-Dimethylphenol	3330	2920		ug/Kg		88	56 - 112
2,4-Dinitrophenol	6670	3130		ug/Kg		47	10 - 129
2,4-Dinitrotoluene	3330	2980		ug/Kg		89	53 - 110
2,6-Dinitrotoluene	3330	3010		ug/Kg		90	51 - 115
2-Chloronaphthalene	3330	2900		ug/Kg		87	51 - 102
2-Chlorophenol	3330	2790		ug/Kg		84	56 - 110
2-Methylnaphthalene	3330	2930		ug/Kg		88	51 - 98
2-Methylphenol	3330	2910		ug/Kg		87	54 - 117
2-Nitroaniline	3330	2990		ug/Kg		90	51 - 109
2-Nitrophenol	3330	2990		ug/Kg		90	55 - 101
3,3'-Dichlorobenzidine	3330	1930		ug/Kg		58	24 - 105
3-Nitroaniline	3330	1930		ug/Kg		58	32 - 104
4,6-Dinitro-2-methylphenol	6670	4510		ug/Kg		68	10 - 110
4-Bromophenyl phenyl ether	3330	3330		ug/Kg		100	44 - 102
4-Chloro-3-methylphenol	3330	3070		ug/Kg		92	55 - 117
4-Chloroaniline	3330	1700		ug/Kg		51	10 - 96
4-Chlorophenyl phenyl ether	3330	2940		ug/Kg		88	50 - 106
4-Methylphenol	3330	2830		ug/Kg		85	47 - 103
4-Nitroaniline	3330	2580		ug/Kg		77	45 - 106
4-Nitrophenol	6670	5580		ug/Kg		84	45 - 114
Acenaphthene	3330	2860		ug/Kg		86	46 - 100
Acenaphthylene	3330	2870		ug/Kg		86	51 - 103
Acetophenone	3330	2850		ug/Kg		86	40 - 95
Anthracene	3330	3000		ug/Kg		90	50 - 107
Atrazine	3330	2090		ug/Kg		63	30 - 100
Benzo[a]anthracene	3330	2990		ug/Kg		90	46 - 112
Benzo[a]pyrene	3330	3260	*	ug/Kg		98	36 - 89
Benzo[b]fluoranthene	3330	3120		ug/Kg		94	33 - 96
Benzo[g,h,i]perylene	3330	3410		ug/Kg		102	43 - 106
Benzo[k]fluoranthene	3330	3050		ug/Kg		92	35 - 115
Biphenyl	3330	2960		ug/Kg		89	50 - 105
bis (2-chloroisopropyl) ether	3330	2730		ug/Kg		82	45 - 102
Bis(2-chloroethoxy)methane	3330	2980		ug/Kg		89	51 - 100
Bis(2-chloroethyl)ether	3330	2970		ug/Kg		89	44 - 101

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-259569/2-A
Matrix: Solid
Analysis Batch: 259895

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 259569

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bis(2-ethylhexyl) phthalate	3330	3170		ug/Kg		95	49 - 119
Butyl benzyl phthalate	3330	3260		ug/Kg		98	49 - 117
Caprolactam	3330	2960		ug/Kg		89	10 - 127
Carbazole	3330	2870		ug/Kg		86	49 - 104
Chrysene	3330	2920		ug/Kg		88	45 - 114
Dibenz(a,h)anthracene	3330	3190		ug/Kg		96	43 - 107
Dibenzofuran	3330	2900		ug/Kg		87	52 - 106
Diethyl phthalate	3330	2910		ug/Kg		87	52 - 114
Dimethyl phthalate	3330	2970		ug/Kg		89	52 - 112
Di-n-butyl phthalate	3330	3050		ug/Kg		92	50 - 108
Di-n-octyl phthalate	3330	2980		ug/Kg		89	40 - 106
Fluoranthene	3330	2850		ug/Kg		86	49 - 108
Fluorene	3330	2910		ug/Kg		87	51 - 108
Hexachlorobenzene	3330	3240		ug/Kg		97	43 - 104
Hexachlorobutadiene	3330	2860		ug/Kg		86	45 - 98
Hexachlorocyclopentadiene	3330	2500		ug/Kg		75	24 - 98
Hexachloroethane	3330	2630		ug/Kg		79	45 - 90
Indeno[1,2,3-cd]pyrene	3330	3110		ug/Kg		93	43 - 109
Isophorone	3330	2740		ug/Kg		82	48 - 97
Naphthalene	3330	2760		ug/Kg		83	53 - 94
Nitrobenzene	3330	2760		ug/Kg		83	42 - 106
N-Nitrosodi-n-propylamine	3330	3070		ug/Kg		92	42 - 107
N-Nitrosodiphenylamine	3330	3450		ug/Kg		104	49 - 106
Pentachlorophenol	6670	5410		ug/Kg		81	19 - 113
Phenanthrene	3330	3040		ug/Kg		91	48 - 108
Phenol	3330	2820		ug/Kg		85	54 - 115
Pyrene	3330	3050		ug/Kg		92	49 - 116

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*97*		*10 - 120*
2-Fluorobiphenyl	*83*		*40 - 109*
2-Fluorophenol (Surr)	*77*		*37 - 125*
Nitrobenzene-d5 (Surr)	*83*		*38 - 105*
Phenol-d5 (Surr)	*81*		*41 - 118*
Terphenyl-d14 (Surr)	*96*		*16 - 151*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 460-259936/1-A
Matrix: Solid
Analysis Batch: 260046

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 259936

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	6.7	U	6.7	1.3	ug/Kg		11/03/14 07:23	11/03/14 13:00	1
4,4'-DDE	6.7	U	6.7	1.3	ug/Kg		11/03/14 07:23	11/03/14 13:00	1
4,4'-DDT	6.7	U	6.7	1.6	ug/Kg		11/03/14 07:23	11/03/14 13:00	1
Aldrin	6.7	U	6.7	1.4	ug/Kg		11/03/14 07:23	11/03/14 13:00	1
alpha-BHC	2.0	U	2.0	1.5	ug/Kg		11/03/14 07:23	11/03/14 13:00	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 460-259936/1-A
Matrix: Solid
Analysis Batch: 260046

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 259936

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-Chlordane	6.7	U	6.7	1.3	ug/Kg		11/03/14 07:23	11/03/14 13:00	1
beta-BHC	2.0	U	2.0	1.6	ug/Kg		11/03/14 07:23	11/03/14 13:00	1
delta-BHC	2.0	U	2.0	1.2	ug/Kg		11/03/14 07:23	11/03/14 13:00	1
Dieldrin	2.0	U	2.0	1.2	ug/Kg		11/03/14 07:23	11/03/14 13:00	1
Endosulfan I	6.7	U	6.7	1.5	ug/Kg		11/03/14 07:23	11/03/14 13:00	1
Endosulfan II	6.7	U	6.7	1.3	ug/Kg		11/03/14 07:23	11/03/14 13:00	1
Endosulfan sulfate	6.7	U	6.7	1.3	ug/Kg		11/03/14 07:23	11/03/14 13:00	1
Endrin	6.7	U	6.7	1.6	ug/Kg		11/03/14 07:23	11/03/14 13:00	1
Endrin aldehyde	6.7	U	6.7	1.0	ug/Kg		11/03/14 07:23	11/03/14 13:00	1
Endrin ketone	6.7	U	6.7	1.3	ug/Kg		11/03/14 07:23	11/03/14 13:00	1
gamma-BHC (Lindane)	2.0	U	2.0	1.2	ug/Kg		11/03/14 07:23	11/03/14 13:00	1
gamma-Chlordane	6.7	U	6.7	1.3	ug/Kg		11/03/14 07:23	11/03/14 13:00	1
Heptachlor	6.7	U	6.7	1.6	ug/Kg		11/03/14 07:23	11/03/14 13:00	1
Heptachlor epoxide	6.7	U	6.7	1.5	ug/Kg		11/03/14 07:23	11/03/14 13:00	1
Methoxychlor	6.7	U	6.7	1.6	ug/Kg		11/03/14 07:23	11/03/14 13:00	1
Toxaphene	67	U	67	18	ug/Kg		11/03/14 07:23	11/03/14 13:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*104*		*76 - 149*	*11/03/14 07:23*	*11/03/14 13:00*	*1*
DCB Decachlorobiphenyl	*103*		*76 - 149*	*11/03/14 07:23*	*11/03/14 13:00*	*1*
Tetrachloro-m-xylene	*93*		*72 - 136*	*11/03/14 07:23*	*11/03/14 13:00*	*1*
Tetrachloro-m-xylene	*90*		*72 - 136*	*11/03/14 07:23*	*11/03/14 13:00*	*1*

Lab Sample ID: LCS 460-259936/2-A
Matrix: Solid
Analysis Batch: 260046

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 259936

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	133	132		ug/Kg		99	50 - 131
4,4'-DDD	133	131		ug/Kg		98	50 - 131
4,4'-DDE	133	129		ug/Kg		97	49 - 130
4,4'-DDE	133	128		ug/Kg		96	49 - 130
4,4'-DDT	133	125		ug/Kg		94	48 - 132
4,4'-DDT	133	125		ug/Kg		94	48 - 132
Aldrin	133	119		ug/Kg		90	53 - 126
Aldrin	133	122		ug/Kg		92	53 - 126
alpha-BHC	133	129		ug/Kg		96	50 - 129
alpha-BHC	133	123		ug/Kg		93	50 - 129
alpha-Chlordane	133	120		ug/Kg		90	51 - 129
alpha-Chlordane	133	114		ug/Kg		86	51 - 129
beta-BHC	133	119		ug/Kg		89	51 - 131
beta-BHC	133	126		ug/Kg		95	51 - 131
delta-BHC	133	130		ug/Kg		97	40 - 130
delta-BHC	133	123		ug/Kg		92	40 - 130
Dieldrin	133	122		ug/Kg		92	48 - 126
Dieldrin	133	122		ug/Kg		92	48 - 126
Endosulfan I	133	123		ug/Kg		93	53 - 127
Endosulfan I	133	118		ug/Kg		88	53 - 127

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 460-259936/2-A
Matrix: Solid
Analysis Batch: 260046

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 259936

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Endosulfan II	133	121		ug/Kg		91	52 - 127
Endosulfan II	133	119		ug/Kg		89	52 - 127
Endosulfan sulfate	133	119		ug/Kg		89	52 - 124
Endosulfan sulfate	133	119		ug/Kg		89	52 - 124
Endrin	133	125		ug/Kg		94	48 - 126
Endrin	133	120		ug/Kg		90	48 - 126
Endrin aldehyde	133	125		ug/Kg		94	57 - 124
Endrin aldehyde	133	124		ug/Kg		93	57 - 124
Endrin ketone	133	123		ug/Kg		92	55 - 124
Endrin ketone	133	122		ug/Kg		92	55 - 124
gamma-BHC (Lindane)	133	129		ug/Kg		97	52 - 129
gamma-BHC (Lindane)	133	117		ug/Kg		88	52 - 129
gamma-Chlordane	133	118		ug/Kg		89	50 - 129
gamma-Chlordane	133	115		ug/Kg		86	50 - 129
Heptachlor	133	122		ug/Kg		92	52 - 128
Heptachlor	133	118		ug/Kg		88	52 - 128
Heptachlor epoxide	133	119		ug/Kg		89	53 - 122
Heptachlor epoxide	133	118		ug/Kg		89	53 - 122
Methoxychlor	133	121		ug/Kg		90	47 - 126
Methoxychlor	133	122		ug/Kg		91	47 - 126

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*97*		*76 - 149*
DCB Decachlorobiphenyl	*98*		*76 - 149*
Tetrachloro-m-xylene	*89*		*72 - 136*
Tetrachloro-m-xylene	*85*		*72 - 136*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 460-259941/1-A
Matrix: Solid
Analysis Batch: 260246

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 259941

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	67	U	67	15	ug/Kg		11/03/14 07:35	11/04/14 09:31	1
PCB-1221	67	U	67	15	ug/Kg		11/03/14 07:35	11/04/14 09:31	1
PCB-1232	67	U	67	15	ug/Kg		11/03/14 07:35	11/04/14 09:31	1
PCB-1242	67	U	67	15	ug/Kg		11/03/14 07:35	11/04/14 09:31	1
PCB-1248	67	U	67	15	ug/Kg		11/03/14 07:35	11/04/14 09:31	1
PCB-1254	67	U	67	19	ug/Kg		11/03/14 07:35	11/04/14 09:31	1
PCB-1260	67	U	67	19	ug/Kg		11/03/14 07:35	11/04/14 09:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*102*		*53 - 150*	*11/03/14 07:35*	*11/04/14 09:31*	*1*
DCB Decachlorobiphenyl	*101*		*53 - 150*	*11/03/14 07:35*	*11/04/14 09:31*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 460-259941/2-A
Matrix: Solid
Analysis Batch: 260246

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 259941

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	333	398		ug/Kg		119	64 - 145
PCB-1260	333	377		ug/Kg		113	59 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*109*		*53 - 150*
DCB Decachlorobiphenyl	*105*		*53 - 150*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 460-259771/1-A ^2
Matrix: Solid
Analysis Batch: 260086

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 259771

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	20.0	U	20.0	11.1	mg/Kg		11/01/14 16:27	11/03/14 11:12	2
Antimony	2.0	U	2.0	0.76	mg/Kg		11/01/14 16:27	11/03/14 11:12	2
Arsenic	1.5	U	1.5	0.41	mg/Kg		11/01/14 16:27	11/03/14 11:12	2
Barium	20.0	U	20.0	0.87	mg/Kg		11/01/14 16:27	11/03/14 11:12	2
Beryllium	0.20	U	0.20	0.14	mg/Kg		11/01/14 16:27	11/03/14 11:12	2
Cadmium	0.40	U	0.40	0.14	mg/Kg		11/01/14 16:27	11/03/14 11:12	2
Calcium	500	U	500	38.3	mg/Kg		11/01/14 16:27	11/03/14 11:12	2
Chromium	1.0	U	1.0	0.40	mg/Kg		11/01/14 16:27	11/03/14 11:12	2
Cobalt	5.0	U	5.0	0.45	mg/Kg		11/01/14 16:27	11/03/14 11:12	2
Copper	2.5	U	2.5	0.88	mg/Kg		11/01/14 16:27	11/03/14 11:12	2
Iron	15.0	U	15.0	12.5	mg/Kg		11/01/14 16:27	11/03/14 11:12	2
Lead	1.0	U	1.0	0.41	mg/Kg		11/01/14 16:27	11/03/14 11:12	2
Magnesium	500	U	500	33.2	mg/Kg		11/01/14 16:27	11/03/14 11:12	2
Manganese	1.5	U	1.5	0.43	mg/Kg		11/01/14 16:27	11/03/14 11:12	2
Nickel	4.0	U	4.0	0.90	mg/Kg		11/01/14 16:27	11/03/14 11:12	2
Potassium	500	U	500	13.8	mg/Kg		11/01/14 16:27	11/03/14 11:12	2
Selenium	2.0	U	2.0	0.57	mg/Kg		11/01/14 16:27	11/03/14 11:12	2
Silver	1.0	U	1.0	0.19	mg/Kg		11/01/14 16:27	11/03/14 11:12	2
Sodium	500	U	500	37.8	mg/Kg		11/01/14 16:27	11/03/14 11:12	2
Thallium	2.0	U	2.0	0.98	mg/Kg		11/01/14 16:27	11/03/14 11:12	2
Vanadium	5.0	U	5.0	0.41	mg/Kg		11/01/14 16:27	11/03/14 11:12	2
Zinc	3.0	U	3.0	0.86	mg/Kg		11/01/14 16:27	11/03/14 11:12	2

Lab Sample ID: LCSSRM 460-259771/2-A
Matrix: Solid
Analysis Batch: 260086

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 259771

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	7460	6976		mg/Kg		93.5	47.1 - 152.8
Antimony	88.8	52.25		mg/Kg		58.8	0.0 - 209.5
Arsenic	139	133.5		mg/Kg		96.1	78.4 - 121.6

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 460-259771/2-A
Matrix: Solid
Analysis Batch: 260086

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 259771

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	203	211.2		mg/Kg		104.0	82.8 - 117.7
Beryllium	96.1	92.76		mg/Kg		96.5	82.8 - 117.6
Cadmium	96.0	106.6		mg/Kg		111.0	81.7 - 117.7
Calcium	6040	5753		mg/Kg		95.2	80.6 - 119.4
Chromium	136	131.9		mg/Kg		97.0	78.7 - 120.6
Cobalt	148	165.1		mg/Kg		111.5	83.1 - 116.9
Copper	168	158.0		mg/Kg		94.1	81.5 - 118.5
Iron	14100	14000		mg/Kg		99.3	43.0 - 156.7
Lead	133	136.2		mg/Kg		102.4	82.0 - 118.8
Magnesium	2800	2590		mg/Kg		92.5	75.4 - 125.0
Manganese	297	325.5		mg/Kg		109.6	80.5 - 119.2
Nickel	123	139.2		mg/Kg		113.2	82.1 - 118.7
Potassium	2540	2280		mg/Kg		89.8	68.9 - 131.1
Selenium	177	177.5		mg/Kg		100.3	77.4 - 122.6
Silver	40.2	38.02		mg/Kg		94.6	74.9 - 125.4
Sodium	761	717.3	J	mg/Kg		94.3	70.3 - 129.6
Thallium	138	160.9		mg/Kg		116.6	78.3 - 121.7
Vanadium	107	103.3		mg/Kg		96.5	76.6 - 123.4
Zinc	189	200.4		mg/Kg		106.0	81.5 - 118.5

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Lab Sample ID: MB 460-259452/10-A
Matrix: Solid
Analysis Batch: 259546

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 259452

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.012	mg/Kg		10/31/14 05:48	10/31/14 11:04	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique) (Continued)

Lab Sample ID: LCSSRM 460-259452/11-A ^20
Matrix: Solid
Analysis Batch: 259546

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 259452

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	12.9	13.30		mg/Kg		103.1	72.9 - 127.1

QC Association Summary

Client: Posillico Consulting
Project/Site: Glen Isle: Data Gap Field Program

TestAmerica Job ID: 460-85311-1

GC/MS VOA

Prep Batch: 259223

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-85311-1	WC012	Total/NA	Solid	5035	
460-85311-2	WC013	Total/NA	Solid	5035	
460-85311-3	WC014	Total/NA	Solid	5035	
460-85311-4	WC015	Total/NA	Solid	5035	
460-85311-5	WC016	Total/NA	Solid	5035	
460-85311-6	WC017	Total/NA	Solid	5035	
460-85311-7	WC018	Total/NA	Solid	5035	

Analysis Batch: 259691

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-85311-1	WC012	Total/NA	Solid	8260C	259223
460-85311-2	WC013	Total/NA	Solid	8260C	259223
460-85311-3	WC014	Total/NA	Solid	8260C	259223
460-85311-4	WC015	Total/NA	Solid	8260C	259223
460-85311-5	WC016	Total/NA	Solid	8260C	259223
460-85311-6	WC017	Total/NA	Solid	8260C	259223
460-85311-7	WC018	Total/NA	Solid	8260C	259223
LCS 460-259691/3	Lab Control Sample	Total/NA	Solid	8260C	
LCSD 460-259691/4	Lab Control Sample Dup	Total/NA	Solid	8260C	
MB 460-259691/6	Method Blank	Total/NA	Solid	8260C	

GC/MS Semi VOA

Prep Batch: 259569

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-85311-8	WC019	Total/NA	Solid	3546	
460-85311-9	WC020	Total/NA	Solid	3546	
LCS 460-259569/25-A	Lab Control Sample	Total/NA	Solid	3546	
LCS 460-259569/2-A	Lab Control Sample	Total/NA	Solid	3546	
MB 460-259569/1-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 259684

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-85311-8	WC019	Total/NA	Solid	8270D	259569
460-85311-9	WC020	Total/NA	Solid	8270D	259569
LCS 460-259569/25-A	Lab Control Sample	Total/NA	Solid	8270D	259569
MB 460-259569/1-A	Method Blank	Total/NA	Solid	8270D	259569

Analysis Batch: 259895

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 460-259569/2-A	Lab Control Sample	Total/NA	Solid	8270D	259569

GC Semi VOA

Prep Batch: 259936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-85311-8	WC019	Total/NA	Solid	3546	
460-85311-9	WC020	Total/NA	Solid	3546	
LCS 460-259936/2-A	Lab Control Sample	Total/NA	Solid	3546	
MB 460-259936/1-A	Method Blank	Total/NA	Solid	3546	

GC Semi VOA (Continued)

Prep Batch: 259941

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-85311-8	WC019	Total/NA	Solid	3546	
460-85311-9	WC020	Total/NA	Solid	3546	
LCS 460-259941/2-A	Lab Control Sample	Total/NA	Solid	3546	
MB 460-259941/1-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 260046

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-85311-8	WC019	Total/NA	Solid	8081B	259936
460-85311-9	WC020	Total/NA	Solid	8081B	259936
LCS 460-259936/2-A	Lab Control Sample	Total/NA	Solid	8081B	259936
MB 460-259936/1-A	Method Blank	Total/NA	Solid	8081B	259936

Analysis Batch: 260246

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-85311-8	WC019	Total/NA	Solid	8082A	259941
460-85311-9	WC020	Total/NA	Solid	8082A	259941
LCS 460-259941/2-A	Lab Control Sample	Total/NA	Solid	8082A	259941
MB 460-259941/1-A	Method Blank	Total/NA	Solid	8082A	259941

Metals

Prep Batch: 259452

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-85311-8	WC019	Total/NA	Solid	7471B	
460-85311-9	WC020	Total/NA	Solid	7471B	
LCSSRM 460-259452/11-A ^20	Lab Control Sample	Total/NA	Solid	7471B	
MB 460-259452/10-A	Method Blank	Total/NA	Solid	7471B	

Analysis Batch: 259546

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-85311-8	WC019	Total/NA	Solid	7471B	259452
460-85311-9	WC020	Total/NA	Solid	7471B	259452
LCSSRM 460-259452/11-A ^20	Lab Control Sample	Total/NA	Solid	7471B	259452
MB 460-259452/10-A	Method Blank	Total/NA	Solid	7471B	259452

Prep Batch: 259771

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-85311-8	WC019	Total/NA	Solid	3050B	
460-85311-9	WC020	Total/NA	Solid	3050B	
LCSSRM 460-259771/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 460-259771/1-A ^2	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 260086

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-85311-8	WC019	Total/NA	Solid	6010C	259771
460-85311-8	WC019	Total/NA	Solid	6010C	259771
460-85311-9	WC020	Total/NA	Solid	6010C	259771
460-85311-9	WC020	Total/NA	Solid	6010C	259771
LCSSRM 460-259771/2-A	Lab Control Sample	Total/NA	Solid	6010C	259771
MB 460-259771/1-A ^2	Method Blank	Total/NA	Solid	6010C	259771

QC Association Summary

Client: Posillico Consulting
Project/Site: Glen Isle: Data Gap Field Program

TestAmerica Job ID: 460-85311-1

General Chemistry

Analysis Batch: 259272

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-85311-1	WC012	Total/NA	Solid	Moisture	
460-85311-2	WC013	Total/NA	Solid	Moisture	
460-85311-3	WC014	Total/NA	Solid	Moisture	
460-85311-4	WC015	Total/NA	Solid	Moisture	
460-85311-5	WC016	Total/NA	Solid	Moisture	
460-85311-6	WC017	Total/NA	Solid	Moisture	
460-85311-7	WC018	Total/NA	Solid	Moisture	
460-85311-8	WC019	Total/NA	Solid	Moisture	
460-85311-9	WC020	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Posillico Consulting
Project/Site: Glen Isle: Data Gap Field Program

TestAmerica Job ID: 460-85311-1

Client Sample ID: WC012 — Lab Sample ID: 460-85311-1

Date Collected: 10/29/14 12:15 — **Matrix: Solid**
Date Received: 10/29/14 16:00 — **Percent Solids: 95.7**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			259223	10/30/14 10:57	DBM	TAL EDI
Total/NA	Analysis	8260C		1	259691	11/01/14 09:32	MZS	TAL EDI
Total/NA	Analysis	Moisture		1	259272	10/30/14 13:14	CJA	TAL EDI

Client Sample ID: WC013 — Lab Sample ID: 460-85311-2

Date Collected: 10/29/14 12:20 — **Matrix: Solid**
Date Received: 10/29/14 16:00 — **Percent Solids: 94.3**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			259223	10/30/14 10:59	DBM	TAL EDI
Total/NA	Analysis	8260C		1	259691	11/01/14 09:56	MZS	TAL EDI
Total/NA	Analysis	Moisture		1	259272	10/30/14 13:14	CJA	TAL EDI

Client Sample ID: WC014 — Lab Sample ID: 460-85311-3

Date Collected: 10/29/14 12:25 — **Matrix: Solid**
Date Received: 10/29/14 16:00 — **Percent Solids: 91.2**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			259223	10/30/14 11:01	DBM	TAL EDI
Total/NA	Analysis	8260C		1	259691	11/01/14 10:20	MZS	TAL EDI
Total/NA	Analysis	Moisture		1	259272	10/30/14 13:14	CJA	TAL EDI

Client Sample ID: WC015 — Lab Sample ID: 460-85311-4

Date Collected: 10/29/14 12:30 — **Matrix: Solid**
Date Received: 10/29/14 16:00 — **Percent Solids: 92.5**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			259223	10/30/14 11:03	DBM	TAL EDI
Total/NA	Analysis	8260C		1	259691	11/01/14 10:45	MZS	TAL EDI
Total/NA	Analysis	Moisture		1	259272	10/30/14 13:14	CJA	TAL EDI

Client Sample ID: WC016 — Lab Sample ID: 460-85311-5

Date Collected: 10/29/14 12:35 — **Matrix: Solid**
Date Received: 10/29/14 16:00 — **Percent Solids: 92.4**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			259223	10/30/14 11:05	DBM	TAL EDI
Total/NA	Analysis	8260C		1	259691	11/01/14 11:09	MZS	TAL EDI
Total/NA	Analysis	Moisture		1	259272	10/30/14 13:14	CJA	TAL EDI

Lab Chronicle

Client: Posillico Consulting
Project/Site: Glen Isle: Data Gap Field Program

TestAmerica Job ID: 460-85311-1

Client Sample ID: WC017 — Lab Sample ID: 460-85311-6

Date Collected: 10/29/14 12:40 — **Matrix: Solid**
Date Received: 10/29/14 16:00 — **Percent Solids: 87.3**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			259223	10/30/14 11:07	DBM	TAL EDI
Total/NA	Analysis	8260C		1	259691	11/01/14 11:33	MZS	TAL EDI
Total/NA	Analysis	Moisture		1	259272	10/30/14 13:14	CJA	TAL EDI

Client Sample ID: WC018 — Lab Sample ID: 460-85311-7

Date Collected: 10/29/14 12:45 — **Matrix: Solid**
Date Received: 10/29/14 16:00 — **Percent Solids: 92.2**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			259223	10/30/14 11:09	DBM	TAL EDI
Total/NA	Analysis	8260C		1	259691	11/01/14 11:57	MZS	TAL EDI
Total/NA	Analysis	Moisture		1	259272	10/30/14 13:14	CJA	TAL EDI

Client Sample ID: WC019 — Lab Sample ID: 460-85311-8

Date Collected: 10/29/14 12:50 — **Matrix: Solid**
Date Received: 10/29/14 16:00 — **Percent Solids: 88.7**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			259569	10/31/14 14:33	FHW	TAL EDI
Total/NA	Analysis	8270D		5	259684	11/01/14 16:39	LEG	TAL EDI
Total/NA	Prep	3546			259936	11/03/14 07:23	ARA	TAL EDI
Total/NA	Analysis	8081B		1	260046	11/03/14 15:17	SAK	TAL EDI
Total/NA	Prep	3546			259941	11/03/14 07:35	ARA	TAL EDI
Total/NA	Analysis	8082A		1	260246	11/04/14 11:06	JHP	TAL EDI
Total/NA	Prep	3050B			259771	11/01/14 16:27	EAE	TAL EDI
Total/NA	Analysis	6010C		4	260086	11/03/14 11:48	YZH	TAL EDI
Total/NA	Prep	3050B			259771	11/01/14 16:27	EAE	TAL EDI
Total/NA	Analysis	6010C		20	260086	11/03/14 17:44	YZH	TAL EDI
Total/NA	Prep	7471B			259452	10/31/14 05:48	TJS	TAL EDI
Total/NA	Analysis	7471B		10	259546	10/31/14 12:04	TJS	TAL EDI
Total/NA	Analysis	Moisture		1	259272	10/30/14 13:14	CJA	TAL EDI

Client Sample ID: WC020 — Lab Sample ID: 460-85311-9

Date Collected: 10/29/14 12:55 — **Matrix: Solid**
Date Received: 10/29/14 16:00 — **Percent Solids: 88.4**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			259569	10/31/14 14:33	FHW	TAL EDI
Total/NA	Analysis	8270D		1	259684	11/01/14 17:04	LEG	TAL EDI
Total/NA	Prep	3546			259936	11/03/14 07:23	ARA	TAL EDI
Total/NA	Analysis	8081B		1	260046	11/03/14 15:29	SAK	TAL EDI
Total/NA	Prep	3546			259941	11/03/14 07:35	ARA	TAL EDI
Total/NA	Analysis	8082A		1	260246	11/04/14 11:25	JHP	TAL EDI

Lab Chronicle

Client: Posillico Consulting
Project/Site: Glen Isle: Data Gap Field Program

TestAmerica Job ID: 460-85311-1

Client Sample ID: WC020

Date Collected: 10/29/14 12:55
Date Received: 10/29/14 16:00

Lab Sample ID: 460-85311-9

Matrix: Solid
Percent Solids: 88.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			259771	11/01/14 16:27	EAE	TAL EDI
Total/NA	Analysis	6010C		4	260086	11/03/14 11:52	YZH	TAL EDI
Total/NA	Prep	3050B			259771	11/01/14 16:27	EAE	TAL EDI
Total/NA	Analysis	6010C		20	260086	11/03/14 17:48	YZH	TAL EDI
Total/NA	Prep	7471B			259452	10/31/14 05:48	TJS	TAL EDI
Total/NA	Analysis	7471B		1	259546	10/31/14 12:06	TJS	TAL EDI
Total/NA	Analysis	Moisture		1	259272	10/30/14 13:14	CJA	TAL EDI

Laboratory References:

TAL EDI = TestAmerica Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Certification Summary

Client: Posillico Consulting
Project/Site: Glen Isle: Data Gap Field Program

TestAmerica Job ID: 460-85311-1

Laboratory: TestAmerica Edison

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	11452	03-31-15

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-15

Method Summary

Client: Posillico Consulting
Project/Site: Glen Isle: Data Gap Field Program

TestAmerica Job ID: 460-85311-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL EDI
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL EDI
8081B	Organochlorine Pesticides (GC)	SW846	TAL EDI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL EDI
6010C	Metals (ICP)	SW846	TAL EDI
7471B	Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	SW846	TAL EDI
Moisture	Percent Moisture	EPA	TAL EDI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL EDI = TestAmerica Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: Posillico Consulting
Project/Site: Glen Isle: Data Gap Field Program

TestAmerica Job ID: 460-85311-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-85311-1	WC012	Solid	10/29/14 12:15	10/29/14 16:00
460-85311-2	WC013	Solid	10/29/14 12:20	10/29/14 16:00
460-85311-3	WC014	Solid	10/29/14 12:25	10/29/14 16:00
460-85311-4	WC015	Solid	10/29/14 12:30	10/29/14 16:00
460-85311-5	WC016	Solid	10/29/14 12:35	10/29/14 16:00
460-85311-6	WC017	Solid	10/29/14 12:40	10/29/14 16:00
460-85311-7	WC018	Solid	10/29/14 12:45	10/29/14 16:00
460-85311-8	WC019	Solid	10/29/14 12:50	10/29/14 16:00
460-85311-9	WC020	Solid	10/29/14 12:55	10/29/14 16:00

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

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THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUSTODY / ANALYSIS REQUEST

Page 1 of 1

Name (for report and invoice) Ellis Koch	Samplers Name (Printed) Amanda J Racaniello	Site/Project Identification Glen Isle Waterfront Redevelopment
Company RXR-Glen Isle Partners, LLC	P. O. #	State (Location of site): NJ: ☐ NY: ☒ Other:
		Regulatory Program:
Address 1025 RXR Plaza	Analysis Turnaround Time: Standard ☒	LAB USE ONLY Project No:
City Uniondale State NY	Rush Chrages Authorized For: 2 Week ☐ 1 Week ☐ Other ☐	Job No: 85311
Phone Fax		

ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUEST)

Sample Identification	Date	Time	Matrix	No. of. Cont.	8260	8270	TAL Metals	Pesticides	PCBs						Sample Numbers
WC012	10/29/14	1215	S	4	X										1
WC013		1220													2
WC014		1225													3
WC015		1230													4
WC016		1235													5
WC017		1240													6
WC018		1245													7
WC019		1250		1		X	X	X	X						8
WC020		1255		1		X	X	X	X						9

SHORT HOLD

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH
6 = Other _____, 7 = Other _____

Soil:
Water:

Special Instructions

Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date / Time	Received by	Company
1) [signature]	RXR	10/29/14 1345	1) [signature]	TA
2)			2) [signature]	TA Edison
3)			3)	
4)			4)	

460-85311 Chain of Custody

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200
Massachusetts (M-NJ312), North Carolina (No. 578) [illegible]

11/5/2014

TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 83311

Number of Coolers: 1 IR Gun # 5

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	1.5 °C	1.5 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

**Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials: _____ Date: 10/26/15

Login Sample Receipt Checklist

Client: Posillico Consulting

Job Number: 460-85311-1

Login Number: 85311

List Source: TestAmerica Edison

List Number: 1

Creator: Meyers, Gary

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	No: Not present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.5 ° C IR #5
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	NA: No analysis requiring residual chlorine check assigned

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Edison
777 New Durham Road
Edison, NJ 08817
Tel: (732)549-3900

TestAmerica Job ID: 460-85314-1
Client Project/Site: Glen Isle: Data Gap Field Program
Revision: 1

For:
Posillico Consulting
1750 New Highway
Farmingdale, New York 11735

Attn: Ellis Koch

Authorized for release by:
11/14/2014 4:14:50 PM

John Schove, Project Manager II
(716)504-9838
john.schove@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Posillico Consulting
Project/Site: Glen Isle: Data Gap Field Program

TestAmerica Job ID: 460-85314-1

Qualifiers

Rad

Qualifier	Qualifier Description
U	Result is less than the sample detection limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 460-85314-1

Laboratory: TestAmerica Edison

Narrative

Job Narrative
460-85314-1

Revision
This report has been revised to include Total Uncertainty values.

Receipt
The samples were received on 10/29/2014 4:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.8º C.

RAD
Method(s) GA-01-R: Ra-226 by gamma spectroscopy is typically determined by inference from daughters (e.g. Bi-214) after sealing the sample in an appropriate counting geometry/container and waiting 21 days to allow the Ra-226 decay chain through Rn-222 to reach secular equilibrium. Such an approach is considered to be the most reliable and representative means for establishing the true Ra-226 concentration in the sample. The method requested by the client to report Ra-226, using its own 186 keV gamma-ray emission, is subject to interference and potential bias due to the 185.7 keV U-235 gamma ray. Experience also indicates gamma spectroscopy software does not consistently assign accurate peak areas to Ra-226 (186 keV), with the problem compounded by slight drift of the instrumentation. The laboratory considers Ra-226 reported based upon the 186 keV gamma-ray emission to be best used by the client in a qualitative fashion. The following samples were affected: (460-85314-1 DU), (LCS 160-154050/2-A), (MB 160-154050/1-A), WC019 (460-85314-1), WC020 (460-85314-2).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Client Sample Results

Client: Posillico Consulting
Project/Site: Glen Isle: Data Gap Field Program

TestAmerica Job ID: 460-85314-1

Client Sample ID: WC019

Lab Sample ID: 460-85314-1

Date Collected: 10/29/14 12:50
Date Received: 10/29/14 16:00

Matrix: Solid

Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Actinium 228	**0.392**		0.0306	0.0503	0.100	0.0246	pCi/g	11/04/14 10:21	11/06/14 01:38	1
Bismuth-212	**0.475**		0.0887	0.101	0.100	0.0840	pCi/g	11/04/14 10:21	11/06/14 01:38	1
Bismuth-214	**0.314**		0.0219	0.0393	0.100	0.0172	pCi/g	11/04/14 10:21	11/06/14 01:38	1
Lead-210	**0.274**		0.114	0.119	0.100	0.150	pCi/g	11/04/14 10:21	11/06/14 01:38	1
Lead-212	**0.353**		0.0135	0.0476	0.100	0.0142	pCi/g	11/04/14 10:21	11/06/14 01:38	1
Lead-214	**0.348**		0.0196	0.0411	0.100	0.0169	pCi/g	11/04/14 10:21	11/06/14 01:38	1
Potassium-40	**7.33**		0.233	0.786	2.50	0.0893	pCi/g	11/04/14 10:21	11/06/14 01:38	1
Protactinium-231	-0.145	U	0.141	0.142	1.00	0.231	pCi/g	11/04/14 10:21	11/06/14 01:38	1
Radium-226	**0.721**		0.145	0.192	1.00	0.163	pCi/g	11/04/14 10:21	11/06/14 01:38	1
Radium-228	**0.392**		0.0306	0.0503	1.00	0.0246	pCi/g	11/04/14 10:21	11/06/14 01:38	1
Thorium-234	**0.345**		0.134	0.138	1.00	0.169	pCi/g	11/04/14 10:21	11/06/14 01:38	1
Thallium-208	**0.128**		0.00923	0.0162	0.100	0.00754	pCi/g	11/04/14 10:21	11/06/14 01:38	1
Uranium-235	0.0296	U	0.0347	0.0348	1.00	0.0434	pCi/g	11/04/14 10:21	11/06/14 01:38	1
Uranium-238	**0.345**		0.134	0.138	1.00	0.169	pCi/g	11/04/14 10:21	11/06/14 01:38	1
Protactinium-234m	0.277	U	0.686	0.687	10.0	1.17	pCi/g	11/04/14 10:21	11/06/14 01:38	1

Client Sample Results

Client: Posillico Consulting
Project/Site: Glen Isle: Data Gap Field Program

TestAmerica Job ID: 460-85314-1

Client Sample ID: WC020

Lab Sample ID: 460-85314-2

Date Collected: 10/29/14 12:55

Matrix: Solid

Date Received: 10/29/14 16:00

Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Actinium 228	**0.350**		0.0213	0.0416	0.100	0.0221	pCi/g	11/04/14 10:21	11/05/14 01:30	1
Bismuth-212	**0.446**		0.0842	0.0961	0.100	0.0748	pCi/g	11/04/14 10:21	11/05/14 01:30	1
Bismuth-214	**0.257**		0.0164	0.0314	0.100	0.0143	pCi/g	11/04/14 10:21	11/05/14 01:30	1
Lead-210	**0.248**		0.106	0.110	0.100	0.142	pCi/g	11/04/14 10:21	11/05/14 01:30	1
Lead-212	**0.343**		0.0114	0.0458	0.100	0.0118	pCi/g	11/04/14 10:21	11/05/14 01:30	1
Lead-214	**0.314**		0.0143	0.0357	0.100	0.0135	pCi/g	11/04/14 10:21	11/05/14 01:30	1
Potassium-40	**7.08**		0.186	0.748	2.50	0.0737	pCi/g	11/04/14 10:21	11/05/14 01:30	1
Protactinium-231	0.0681	U	0.0761	0.0765	1.00	0.125	pCi/g	11/04/14 10:21	11/05/14 01:30	1
Radium-226	**0.811**		0.110	0.179	1.00	0.123	pCi/g	11/04/14 10:21	11/05/14 01:30	1
Radium-228	**0.350**		0.0213	0.0416	1.00	0.0221	pCi/g	11/04/14 10:21	11/05/14 01:30	1
Thorium-234	**0.309**		0.117	0.121	1.00	0.148	pCi/g	11/04/14 10:21	11/05/14 01:30	1
Thallium-208	**0.112**		0.00903	0.0147	0.100	0.00751	pCi/g	11/04/14 10:21	11/05/14 01:30	1
Uranium-235	0.0121	U	0.0230	0.0230	1.00	0.0408	pCi/g	11/04/14 10:21	11/05/14 01:30	1
Uranium-238	**0.309**		0.117	0.121	1.00	0.148	pCi/g	11/04/14 10:21	11/05/14 01:30	1
Protactinium-234m	**1.41**		0.413	0.437	10.0	0.864	pCi/g	11/04/14 10:21	11/05/14 01:30	1

QC Sample Results

Client: Posillico Consulting
Project/Site: Glen Isle: Data Gap Field Program

TestAmerica Job ID: 460-85314-1

Method: GA-01-R - Radium-226 & Other Gamma Emitters (GS)

Lab Sample ID: MB 160-154050/1-A
Matrix: Solid
Analysis Batch: 154856

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 154050

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Actinium 228	0.007285	U	0.00836	0.00839	0.100	0.0134	pCi/g	11/04/14 10:21	11/07/14 14:48	1
Bismuth-212	-0.007379	U	0.0311	0.0311	0.100	0.0540	pCi/g	11/04/14 10:21	11/07/14 14:48	1
Bismuth-214	0.004611	U	0.00816	0.00818	0.100	0.0108	pCi/g	11/04/14 10:21	11/07/14 14:48	1
Lead-210	0.02039	U	0.0624	0.0624	0.100	0.0907	pCi/g	11/04/14 10:21	11/07/14 14:48	1
Lead-212	-0.001683	U	0.00636	0.00636	0.100	0.00759	pCi/g	11/04/14 10:21	11/07/14 14:48	1
Lead-214	0.005194	U	0.00458	0.00461	0.100	0.00855	pCi/g	11/04/14 10:21	11/07/14 14:48	1
Potassium-40	-0.06615	U	0.179	0.179	2.50	0.0864	pCi/g	11/04/14 10:21	11/07/14 14:48	1
Protactinium-231	0.008018	U	0.00954	0.00958	1.00	0.116	pCi/g	11/04/14 10:21	11/07/14 14:48	1
Radium-226	-0.02276	U	0.0706	0.0707	1.00	0.0928	pCi/g	11/04/14 10:21	11/07/14 14:48	1
Radium-228	0.007285	U	0.00836	0.00839	1.00	0.0134	pCi/g	11/04/14 10:21	11/07/14 14:48	1
Thorium-234	-0.007132	U	0.0609	0.0609	1.00	0.0846	pCi/g	11/04/14 10:21	11/07/14 14:48	1
Thallium-208	-0.001791	U	0.00284	0.00284	0.100	0.00582	pCi/g	11/04/14 10:21	11/07/14 14:48	1
Uranium-235	0.006114	U	0.0116	0.0117	1.00	0.0194	pCi/g	11/04/14 10:21	11/07/14 14:48	1
Uranium-238	-0.007132	U	0.0609	0.0609	1.00	0.0846	pCi/g	11/04/14 10:21	11/07/14 14:48	1
Protactinium-234m	0.1378	U	0.285	0.285	10.0	0.495	pCi/g	11/04/14 10:21	11/07/14 14:48	1

Lab Sample ID: LCS 160-154050/2-A
Matrix: Solid
Analysis Batch: 154212

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 154050

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits
Americium-241	101	96.87		10.1		0.155	pCi/g	96	87 - 116
Cesium-137	35.2	33.46		3.48	0.100	0.0478	pCi/g	95	87 - 120
Cobalt-60	38.2	35.73		3.59		0.0372	pCi/g	94	87 - 115

Lab Sample ID: 460-85314-1 DU
Matrix: Solid
Analysis Batch: 154741

Client Sample ID: WC019
Prep Type: Total/NA
Prep Batch: 154050

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Actinium 228	0.392		0.3551		0.0423	0.100	0.0222	pCi/g	0.39	1
Bismuth-212	0.475		0.4085		0.0780	0.100	0.0643	pCi/g	0.37	1
Bismuth-214	0.314		0.2812		0.0337	0.100	0.0138	pCi/g	0.45	1
Lead-210	0.274		0.2719		0.0979	0.100	0.131	pCi/g	0.01	1
Lead-212	0.353		0.3841		0.0509	0.100	0.00977	pCi/g	0.32	1
Lead-214	0.348		0.3322		0.0373	0.100	0.0125	pCi/g	0.20	1
Potassium-40	7.33		7.265		0.766	2.50	0.0682	pCi/g	0.04	1
Protactinium-231	-0.145	U	-0.1797	U	0.111	1.00	0.177	pCi/g	0.14	1
Radium-226	0.721		0.8432		0.188	1.00	0.130	pCi/g	0.32	1
Radium-228	0.392		0.3551		0.0423	1.00	0.0222	pCi/g	0.39	1
Thorium-234	0.345		0.3518		0.102	1.00	0.133	pCi/g	0.03	1
Thallium-208	0.128		0.1148		0.0138	0.100	0.00584	pCi/g	0.45	1
Uranium-235	0.0296	U	0.03313		0.0236	1.00	0.0323	pCi/g	0.06	1
Uranium-238	0.345		0.3518		0.102	1.00	0.133	pCi/g	0.03	1
Protactinium-234 m	0.277	U	1.089		0.597	10.0	0.890	pCi/g	0.63	1

QC Association Summary

Client: Posillico Consulting
Project/Site: Glen Isle: Data Gap Field Program

TestAmerica Job ID: 460-85314-1

Rad

Leach Batch: 153272

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-85314-1	WC019	Total/NA	Solid	Dry and Grind	
460-85314-1 DU	WC019	Total/NA	Solid	Dry and Grind	
460-85314-2	WC020	Total/NA	Solid	Dry and Grind	

Prep Batch: 154050

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-85314-1	WC019	Total/NA	Solid	Fill_Geo-0	153272
460-85314-1 DU	WC019	Total/NA	Solid	Fill_Geo-0	153272
460-85314-2	WC020	Total/NA	Solid	Fill_Geo-0	153272
LCS 160-154050/2-A	Lab Control Sample	Total/NA	Solid	Fill_Geo-0	
MB 160-154050/1-A	Method Blank	Total/NA	Solid	Fill_Geo-0	

Lab Chronicle

Client: Posillico Consulting
Project/Site: Glen Isle: Data Gap Field Program

TestAmerica Job ID: 460-85314-1

Client Sample ID: WC019

Lab Sample ID: 460-85314-1

Date Collected: 10/29/14 12:50

Matrix: Solid

Date Received: 10/29/14 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Leach	Dry and Grind			153272	10/31/14 10:06	DRO	TAL SL
Total/NA	Prep	Fill_Geo-0			154050	11/04/14 10:21	MRB	TAL SL
Total/NA	Analysis	GA-01-R		1	154740	11/06/14 01:38	PCC	TAL SL

Client Sample ID: WC020

Lab Sample ID: 460-85314-2

Date Collected: 10/29/14 12:55

Matrix: Solid

Date Received: 10/29/14 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Leach	Dry and Grind			153272	10/31/14 10:06	DRO	TAL SL
Total/NA	Prep	Fill_Geo-0			154050	11/04/14 10:21	MRB	TAL SL
Total/NA	Analysis	GA-01-R		1	154316	11/05/14 01:30	SMP	TAL SL

Laboratory References:

TAL SL = TestAmerica St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Certification Summary

Client: Posillico Consulting
Project/Site: Glen Isle: Data Gap Field Program

TestAmerica Job ID: 460-85314-1

Laboratory: TestAmerica Edison

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	11452	03-31-15

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-15

Laboratory: TestAmerica St. Louis

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alaska	State Program	10	MO00054	06-30-15
California	NELAP	9	2886	03-31-15
Connecticut	State Program	1	PH-0241	03-31-15
Florida	NELAP	4	E87689	06-30-15
Illinois	NELAP	5	200023	11-30-14
Iowa	State Program	7	373	12-01-14
Kansas	NELAP	7	E-10236	10-31-14 *
Kentucky (DW)	State Program	4	90125	12-31-14
L-A-B	DoD ELAP		L2305	01-10-16
Louisiana	NELAP	6	04080	06-30-15
Maryland	State Program	3	310	09-30-15
Missouri	State Program	7	780	06-30-15
Nevada	State Program	9	MO000542013-1	07-31-15
New Jersey	NELAP	2	MO002	06-30-15
New Mexico	State Program	6		06-30-10 *
New York	NELAP	2	11616	03-31-15
North Dakota	State Program	8	R207	06-30-14 *
NRC	NRC		24-24817-01	12-31-22
Oklahoma	State Program	6	9997	08-31-15
Pennsylvania	NELAP	3	68-00540	02-28-15
South Carolina	State Program	4	85002001	06-30-14 *
Texas	NELAP	6	T104704193-13-6	07-31-15
USDA	Federal		P330-07-00122	01-09-17
Utah	NELAP	8	MO000542013-5	07-31-15
Virginia	NELAP	3	460230	06-14-15
Washington	State Program	10	C592	08-30-15
West Virginia DEP	State Program	3	381	12-31-14 *

* Certification renewal pending - certification considered valid.

Method Summary

Client: Posillico Consulting
Project/Site: Glen Isle: Data Gap Field Program

TestAmerica Job ID: 460-85314-1

Method	Method Description	Protocol	Laboratory
GA-01-R	Radium-226 & Other Gamma Emitters (GS)	DOE	TAL SL

Protocol References:

DOE = U.S. Department of Energy

Laboratory References:

TAL SL = TestAmerica St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

Client: Posillico Consulting
Project/Site: Glen Isle: Data Gap Field Program

TestAmerica Job ID: 460-85314-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-85314-1	WC019	Solid	10/29/14 12:50	10/29/14 16:00
460-85314-2	WC020	Solid	10/29/14 12:55	10/29/14 16:00

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

CHAIN OF CUSTODY / ANALYSIS REQUEST

Page 1 of 1

Name (for report and invoice) Ellis Koch	Samplers Name (Printed) Amanda J Racenielo	Site/Project Identification Glen Isle
Company RXR-Glen Isle Partners LLC	P. O. #	State (Location of site): NJ: ☐ NY: ☒ Other:
		Regulatory Program:
Address 625 RXR Plaza	Analysis Turnaround Time: Standard ☒	ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUEST)
City Uniondale State NY	Rush Charges Authorized For: 2 Week ☐ 1 Week ☐ Other ☐	LAB USE ONLY Project No:
Phone Fax		Job No: 85314

Sample Identification	Date	Time	Matrix	No. of Cont.	Gamma Spec	Sample Numbers
WC019	10/29/14	1250	S	2	X	1
WC020	↓	1255	↓	2	X	2

460-85314 Chain of Custody

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH
6 = Other _____, 7 = Other _____

Soil:
Water:

Special Instructions _____ Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date / Time	Received by	Company
1) [illegible]	PNGC	10/29/14 1345	1) [illegible]	TA
2) [illegible]	[illegible]	10/29/14 1610	2) [illegible]	TA Edison
3)			3)	
4)			4)	

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132). TAL - 0016 (0408)

Massachusetts (M-NJ312), North Carolina (No. 578) 10/31 ? RH r NOC

TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 88314

Number of Coolers: 1 IR Gun # 5

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	1.8 °C	2.8 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

* *Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials: _____ Date: 10/28/15

Login Sample Receipt Checklist

Client: Posillico Consulting

Job Number: 460-85314-1

Login Number: 85314
List Number: 1
Creator: Meyers, Gary

List Source: TestAmerica Edison

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background		
The cooler's custody seal, if present, is intact.		
The cooler or samples do not appear to have been compromised or tampered with.		
Samples were received on ice.		
Cooler Temperature is acceptable.		
Cooler Temperature is recorded.		
COC is present.		
COC is filled out in ink and legible.		
COC is filled out with all pertinent information.		
Is the Field Sampler's name present on COC?		
There are no discrepancies between the sample IDs on the containers and the COC.		
Samples are received within Holding Time.		
Sample containers have legible labels.		
Containers are not broken or leaking.		
Sample collection date/times are provided.		
Appropriate sample containers are used.		
Sample bottles are completely filled.		
Sample Preservation Verified		
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs		
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.		
If necessary, staff have been informed of any short hold time or quick TAT needs		
Multiphasic samples are not present.		
Samples do not require splitting or compositing.		
Sampling Company provided.		
Samples received within 48 hours of sampling.		
Samples requiring field filtration have been filtered in the field.		
Chlorine Residual checked.		

Login Sample Receipt Checklist

Client: Posillico Consulting

Job Number: 460-85314-1

Login Number: 85314
List Number: 2
Creator: Clarke, Jill C

List Source: TestAmerica St. Louis
List Creation: 10/31/14 08:48 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	False	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	20.0
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ATTACHMENT 3

SEC Letter Report

Evaluation of Li Tungsten Parcel A Slab and the Building Concrete Pads for Backfill

October 29, 2014

Submitted via email

Ellis Koch
Consulting Director
Posillico Consulting
1750 New Highway
Farmingdale, NY 11735

Subject: Evaluation of Li Tungsten Parcel A Slab and the Building Concrete Pads for Backfill

Mr. Koch,

SEC provided radiological support during demolition of the Li Tungsten Parcel A slab, Dickson Warehouse, Benbow, and Lounge buildings including their respective concrete pads. Throughout the demolition phase SEC Technicians performed daily surveys on the demolition debris as well as a pre-demolition survey of the Parcel A slab and each concrete pad after the buildings were demolished. Results of our building support surveys were included in the *Post Demolition Radiological Survey Report Dickson Warehouse, Benbow, and Lounge Buildings* (SEC July 2014); and the Parcel A slab survey results are included as **Attachment 1**. We have also provided a map of the areas beneath the removed Parcel A slab that have undergone FSS gamma walkover scans (**Attachment 2**). Note: The survey maps that are included in Attachment 1 are representative of the footprint of concrete that was removed to facilitate the gamma scan results in Attachment 2.

The field surveys indicated the building materials, concrete pads, and the soils beneath the Parcel A slab had radioactivity levels indistinguishable from background. Based on this information we do not have any radiological restrictions on reusing the concrete rubble (RCA) at this time. As an added measure, we will conduct gamma scans of the RCA prior to placement to verify that it meets the prior radioactivity levels, and radiation exposures to the site workers, the public, and the environment are maintained as low as reasonably achievable.

Regards,

Eric J. Laning
Technical Services Manager
Perma-Fix Environmental Services Inc.

cc:

Myralee Machol, Glen Cove IDA Administrative Director

Attachment 1

Parcel A Concrete Slab Surveys

Survey Data Sheet - Li Tungsten

Reviewed By:_____

Survey No.:	LT073014	**Item(s) Surveyed:**	Pre Demo survey of Parcel A Slab Middle Section	**Project: 144036**	
Date:	7/30/2014	**Contaminant/Limits:**	1000 dpm (removable), 5000 dpm (fixed). Dose rate Limit = 2X BKG		
Survey Tech.:	F. Quinton	**Comments:**	See Map		
Count Rm. Tech.:	F. Quinton				
Date Counted:	7/30/2014				
Survey Type:	Pre Demo Survey				
Level of Posting:	NA				

Notes:

ACF = Area Correction Factor

T_b = Background Count Time

T_s = Sample Count Time

R_b = Bkgd count rate

**Bcpm = Background cpm = R_b

Direct

(dpm) = (cpm - Bcpm)/(eff * ACF)

Removable

(dpm) = (cpm - Bcpm)/ eff

* dpm readings are per 100cm^2

Parameters		*Dose Rate*	*Gamma*	*Corr uRem*	*Total* Alpha	*Total* Beta-Gamma	*Removable* Alpha	*Removable* Beta-Gamma
Instrument Model:		19						12/44-9
Instrument SN:		221547						145985/PR150385
Cal. Due Date:		3/17/2015						4/17/2015
x, y int.:	*Efficiency:*	**N/A**						0.1173
BKG:	*Bcpm**:*	6						34
ACF:								**1**
tB:								1
tS:								1
Lc:								115.64
MDC:								256.86

No.	*Descriptions*	*Time*	*x*	*y*	*uRem/hr*	*cptm*	*uRem/hr*	*cpm*	**dpm*	*cpm*	**dpm*	*cpm*	**dpm*	*cpm*	**dpm*
	Parecl A Slab SOUTHWEST														
1	Concrete Pad				6									42	68
2	Concrete Pad				7									31	-26
3	Concrete Pad				6									26	-68
4	Concrete Pad				6									35	9
5	Concrete Pad				6									37	26
6	Concrete Pad				6									34	0
7	Concrete Pad				5									30	-34
8	Concrete Pad				5									36	17
9	Concrete Pad				5									28	-51
10	Concrete Pad				6									39	43
11	Concrete Pad				5									37	26
12	Concrete Pad				5									42	68
13	Concrete Pad				5									31	-26
14	Concrete Pad				6									47	111
15	Concrete Pad				6									43	77
16	Concrete Pad				5									47	111
17	Concrete Pad				5									40	51
18	Concrete Pad				6									42	68
19	Concrete Pad				5									41	60
20	Concrete Pad				6									40	51
21	Concrete Pad				6									46	102
22	Concrete Pad				5									55	179
23	Concrete Pad				6									34	0
24	Concrete Pad				5									37	26
25	Concrete Pad				5									47	111
26	Concrete Pad				5									39	43
27	Concrete Pad				6									41	60

Survey Data Sheet - Li Tungsten

Reviewed By:_____

Survey No.:	LT073014	**Item(s) Surveyed:**	Pre Demo survey of Parcel A Slab Middle Section	**Project: 144036**	
Date:	7/30/2014	**Contaminant/Limits:**	1000 dpm (removable), 5000 dpm (fixed). Dose rate Limit = 2X BKG		
Survey Tech.:	F. Quinton	**Comments:**	See Map		
Count Rm. Tech.:	F. Quinton				
Date Counted:	7/30/2014				
Survey Type:	Pre Demo Survey				
Level of Posting:	NA				

Notes:

ACF = Area Correction Factor

T_b = Background Count Time

T_s = Sample Count Time

R_b = Bkgd count rate

**Bcpm = Background cpm = R_b

Direct

(dpm) = (cpm - Bcpm)/(eff * ACF)

Removable

(dpm) = (cpm - Bcpm)/ eff

* dpm readings are per 100cm^2

Parameters		*Dose Rate*	*Gamma*	*Corr uRem*	*Total* Alpha	*Total* Beta-Gamma	*Removable* Alpha	*Removable* Beta-Gamma
Instrument Model:		19						12/44-9
Instrument SN:		221547						145985/PR150385
Cal. Due Date:		3/17/2015						4/17/2015
x, y int.:	*Efficiency:*	**N/A**						0.1173
BKG:	*Bcpm**:*	6						34
ACF:								**1**
tB:								1
tS:								1
Lc:								115.64
MDC:								256.86

No.	*Descriptions*	*Time*	*x*	*y*	*uRem/hr*	*cptm*	*uRem/hr*	*cpm*	**dpm*	*cpm*	**dpm*	*cpm*	**dpm*	*cpm*	**dpm*
28	Concrete Pad				6									39	43
29	Concrete Pad				5									39	43
30	Concrete Pad				5									35	9
31	Concrete Pad				5									32	-17
32	Concrete Pad				5									36	17
33	Concrete Pad				6									38	34
34	Concrete Pad				5									45	94
35	Concrete Pad				5									38	34
36	Concrete Pad				5									38	34
37	Concrete Pad				6									35	9
38	Concrete Pad				6									31	-26
39	Concrete Pad				6									35	9
40	Concrete Pad				5									35	9
41	Concrete Pad				5									32	-17
42	Concrete Pad				5									30	-34
43	Concrete Pad				5									39	43
44	Concrete Pad				6									47	111
45	Concrete Pad				5									42	68
46	Concrete Pad				5									35	9
47	Concrete Pad				5									39	43
48	Concrete Pad				6									36	17
49	Concrete Pad				5									39	43
50	Concrete Pad				6									36	17
51	Concrete Pad				7									42	68
52	Concrete Pad				6									37	26

Survey Data Sheet - Li Tungsten

Reviewed By:_____

Survey No.:	LT073014	**Item(s) Surveyed:**	Pre Demo survey of Parcel A Slab Middle Section
Date:	7/30/2014	**Contaminant/Limits:**	1000 dpm (removable), 5000 dpm (fixed). Dose rate Limit = 2X BKG
Survey Tech.:	F. Quinton	**Comments:**	See Map
Count Rm. Tech.:	F. Quinton		
Date Counted:	7/30/2014		
Survey Type:	Pre Demo Survey		
Level of Posting:	NA		

Project: 144036

Notes:

ACF = Area Correction Factor

T_b = Background Count Time

T_s = Sample Count Time

R_b = Bkgd count rate

**Bcpm = Background cpm = R_b

Direct

(dpm) = (cpm - Bcpm)/(eff * ACF)

Removable

(dpm) = (cpm - Bcpm)/ eff

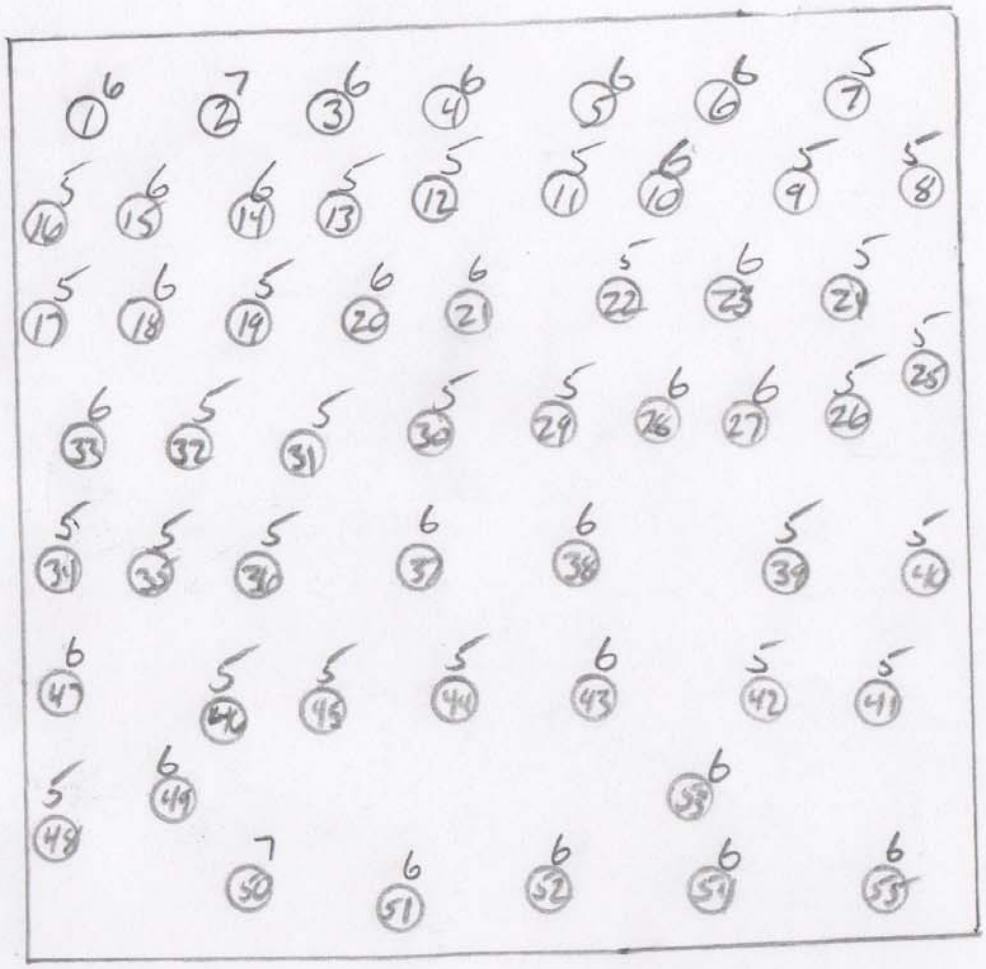
* dpm readings are per 100cm^2

Parameters		*Dose Rate*	*Gamma*	*Corr uRem*	*Total* Alpha	*Total* Beta-Gamma	*Removable* Alpha	*Removable* Beta-Gamma
Instrument Model:		19						12/44-9
Instrument SN:		221547						145985/PR150385
Cal. Due Date:		3/17/2015						4/17/2015
x, y int.:	*Efficiency:*	**N/A**						0.1173
BKG:	*Bcpm**:*	6						34
ACF:								**1**
tB:								1
tS:								1
Lc:								115.64
MDC:								256.86

No.	*Descriptions*	*Time*	*x*	*y*	*uRem/hr*	*cptm*	*uRem/hr*	*cpm*	**dpm*	*cpm*	**dpm*	*cpm*	**dpm*	*cpm*	**dpm*
53	Concrete Pad				6									43	77
54	Concrete Pad				6									36	17
55	Concrete Pad				6									33	-9

Drawing/ Description/ Comments

TUNGSTEN PROJECT
GLEN COVE N.Y



l Information

vey #:

: Li TUNGSTEN

h(s): F. QUINTON / FQ 7-30-14

Page: ____ of ____

nments:

= DOSE RATE uR/Hr

(#) = SMEAR LOCATION

Survey Data Sheet - Li Tungsten

Reviewed By:_____

Survey No.:	LT080614	**Item(s) Surveyed:**	Pre Demo survey of Parcel A Slab Pond Area — **Project: 144036**
Date:	8/6/2014	**Contaminant/Limits:**	1000 dpm (removable), 5000 dpm (fixed). Dose rate Limit = 2X BKG
Survey Tech.:	F. Quinton	**Comments:**	See Map
Count Rm. Tech.:	F. Quinton		
Date Counted:	8/6/2014		
Survey Type:	Pre Demo Survey		
Level of Posting:	NA		

Parameters		***Dose Rate***	***Gamma***	***Corr uRem***	***Total*** Alpha	***Total*** Beta-Gamma	***Removable*** Alpha	***Removable*** Beta-Gamma
Instrument Model:		19						12/44-9
Instrument SN:		221547						145985/PR150385
Cal. Due Date:		3/17/2015						4/17/2015
x, y int.:	*Efficiency:*	**N/A**						0.1173
BKG:	*Bcpm**:*	6						35
ACF:								**1**
tB:								1
tS:								1
Lc:								117.33
MDC:								260.24

Notes:

ACF = Area Correction Factor

T_b = Background Count Time

T_s = Sample Count Time

R_b = Bkgd count rate

**Bcpm = Background cpm = R_b

Direct

(dpm) = (cpm - Bcpm)/(eff * ACF)

Removable

(dpm) = (cpm - Bcpm)/ eff

* dpm readings are per 100cm^2

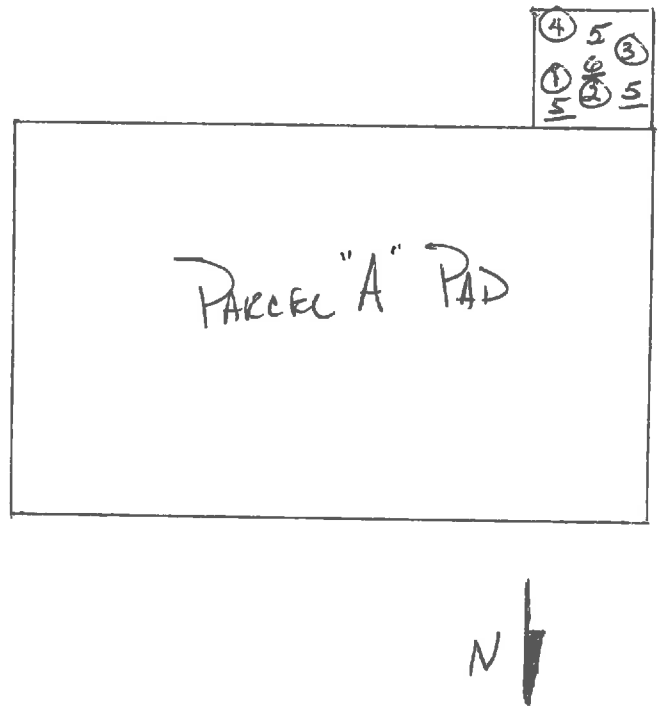
No.	*Descriptions*	*Time*	*x*	*y*	*uRem/hr*	*cptm*	*uRem/hr*	*cpm*	**dpm*	*cpm*	**dpm*	*cpm*	**dpm*	*cpm*	**dpm*
	Parecl A Slab SOUTHWEST														
1	Concrete Pad				5									38	26
2	Concrete Pad				6									42	60
3	Concrete Pad				5									30	-43
4	Concrete Pad				5									47	102

Survey Information Sheet

Survey Drawing/ Description/ Comments

LI TUNGSTEN PROJECT
GLEN COVE NY.

PRE DEMO SURVEY



= DOSE RATES uR/HR

(#) = SMEAR LOCATION

General Information

Survey #:

Site: LI TUNGSTEN

Tech(s): F. QUILTON / FCQ 8-6-14

Page: 2 of 2

Comments:

Survey Data Sheet - Li Tungsten

Reviewed By: _____

Survey No.:	LT081414	**Item(s) Surveyed:**	Pre Demo survey of Southwest End of Parcel A Slab	**Project: 144036**	
Date:	8/14/2014	**Contaminant/Limits:**	1000 dpm (removable), 5000 dpm (fixed). Dose rate Limit = 2X BKG		
Survey Tech.:	F. Quinton	**Comments:**	See Map		
Count Rm. Tech.:	F. Quinton				
Date Counted:	8/14/2014				
Survey Type:	Pre Demo Survey				
Level of Posting:	NA				

Notes:

ACF = Area Correction Factor

T_b = Background Count Time

T_s = Sample Count Time

R_b = Bkgd count rate

**Bcpm = Background cpm = R_b

Direct

(dpm) = (cpm - Bcpm)/(eff * ACF)

Removable

(dpm) = (cpm - Bcpm)/ eff

* dpm readings are per 100cm^2

Parameters		*Dose Rate*	*Gamma*	*Corr uRem*	*Total* Alpha	*Total* Beta-Gamma	*Removable* Alpha	*Removable* Beta-Gamma
Instrument Model:		19						12/44-9
Instrument SN:		221547						145985/PR150385
Cal. Due Date:		3/17/2015						4/17/2015
x, y int.:	*Efficiency:*	**N/A**						0.1173
BKG:	*Bcpm**:*	6						38
ACF:								**1**
tB:								1
tS:								1
Lc:								122.26
MDC:								270.09

No.	*Descriptions*	*Time*	*x*	*y*	*uRem/hr*	*cptm*	*uRem/hr*	*cpm*	**dpm*	*cpm*	**dpm*	*cpm*	**dpm*	*cpm*	**dpm*
	Parecl A Slab SOUTHWEST														
1	Concrete Pad				5									49	94
2	Concrete Pad				5									44	51
3	Concrete Pad				6									43	43
4	Concrete Pad				5									49	94
5	Concrete Pad				5									40	17
6	Concrete Pad				6									43	43
7	Concrete Pad				5									52	119
8	Concrete Pad				5									48	85
9	Concrete Pad				6									44	51
10	Concrete Pad				6									46	68
11	Concrete Pad				7									37	-9
12	Concrete Pad				6									38	0
13	Concrete Pad				6									52	119
14	Concrete Pad				5									38	0
15	Concrete Pad				5									46	68
16	Concrete Pad				6									45	60
17	Concrete Pad				7									30	-68
18	Concrete Pad				6									41	26
19	Concrete Pad				6									39	9
20	Concrete Pad				6									41	26

Survey Data Sheet - Li Tungsten

Reviewed By: _____

Survey No.:	LT081414	**Item(s) Surveyed:**	Pre Demo survey of Southwest End of Parcel A Slab
Date:	8/14/2014	**Contaminant/Limits:**	1000 dpm (removable), 5000 dpm (fixed). Dose rate Limit = 2X BKG
Survey Tech.:	F. Quinton	**Comments:**	See Map
Count Rm. Tech.:	F. Quinton		
Date Counted:	8/14/2014		
Survey Type:	Pre Demo Survey		
Level of Posting:	NA		

Project: 144036

Notes:

ACF = Area Correction Factor

T_b = Background Count Time

T_s = Sample Count Time

R_b = Bkgd count rate

**Bcpm = Background cpm = R_b

Direct

(dpm) = (cpm - Bcpm)/(eff * ACF)

Removable

(dpm) = (cpm - Bcpm)/ eff

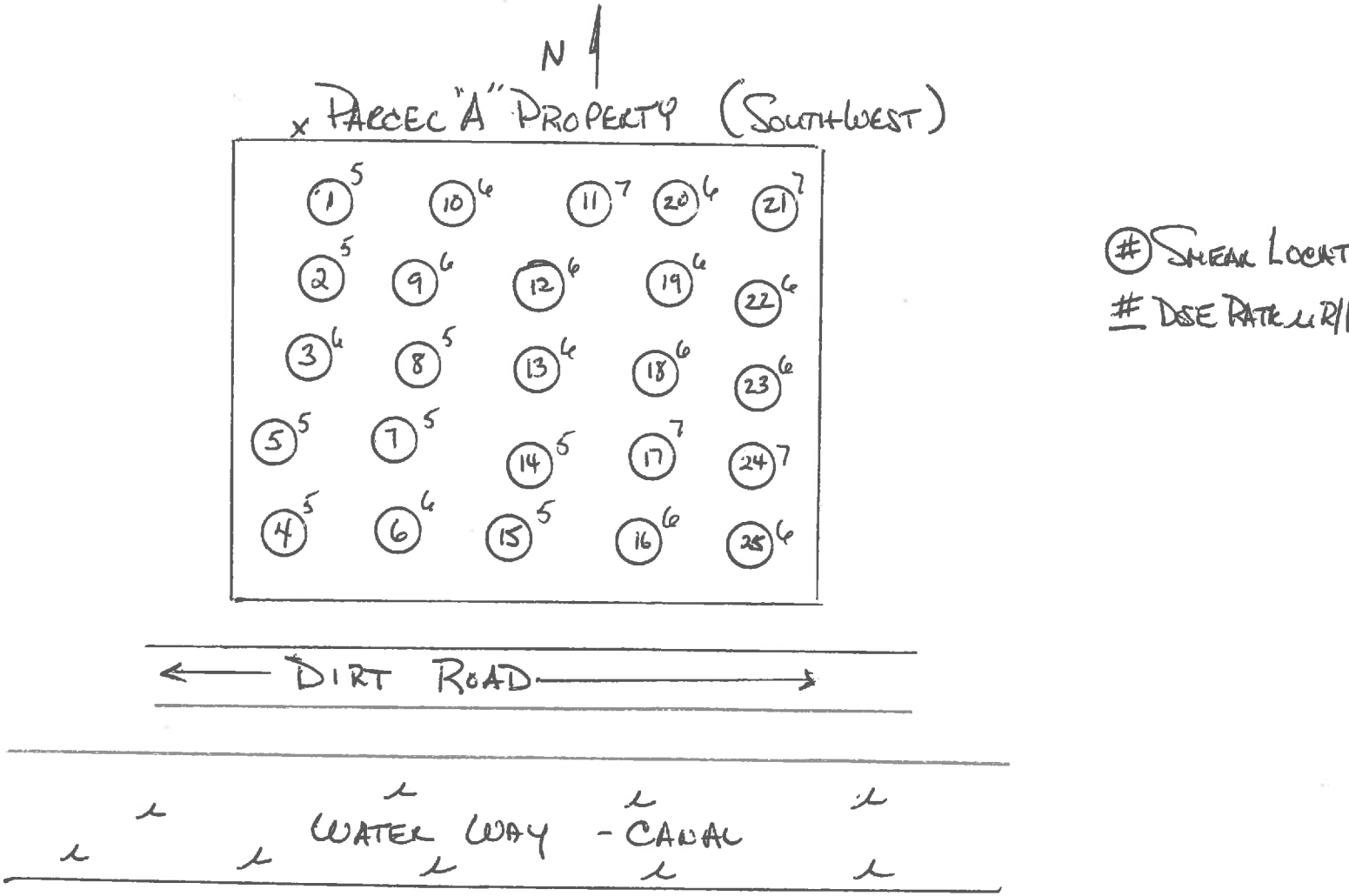
* dpm readings are per 100cm^2

Parameters		***Dose Rate***	***Gamma***	***Corr uRem***	***Total*** Alpha	***Total*** Beta-Gamma	***Removable*** Alpha	***Removable*** Beta-Gamma
Instrument Model:		19						12/44-9
Instrument SN:		221547						145985/PR150385
Cal. Due Date:		3/17/2015						4/17/2015
x, y int.:	*Efficiency:*	**N/A**						0.1173
BKG:	*Bcpm**:*	6						38
ACF:								**1**
tB:								1
tS:								1
Lc:								122.26
MDC:								270.09

No.	*Descriptions*	*Time*	*x*	*y*	*uRem/hr*	*cptm*	*uRem/hr*	*cpm*	**dpm*	*cpm*	**dpm*	*cpm*	**dpm*	*cpm*	**dpm*
21	Concrete Pad				7									42	34
22	Concrete Pad				6									30	-68
23	Concrete Pad				6									44	51
24	Concrete Pad				7									43	43
25	Concrete Pad				6									39	9

Survey Information Sheet

Survey Drawing/ Description/ Comments



General Information

Survey #:

Site: Li TUNGSTEN

Tech(s): J. KNIGHT | F. QUIDTOP

Page: 3 of 3

Comments: Dose rates in µR/hr.

Survey Data Sheet - Li Tungsten

Reviewed By:_____

Survey No.:	LT091814	**Item(s) Surveyed:**	Pre Demo survey of Southwest Corner of Parcel A Slab
Date:	9/18/2014	**Contaminant/Limits:**	1000 dpm (removable), 5000 dpm (fixed). Dose rate Limit = 2X BKG
Survey Tech.:	F. Quinton	**Comments:**	See Map
Count Rm. Tech.:	F. Quinton		
Date Counted:	9/18/2014		
Survey Type:	Pre Demo Survey		
Level of Posting:	NA		

Project: 144036

Notes:

ACF = Area Correction Factor

T_b = Background Count Time

T_s = Sample Count Time

R_b = Bkgd count rate

**Bcpm = Background cpm = R_b

Direct

(dpm) = (cpm - Bcpm)/(eff * ACF)

Removable

(dpm) = (cpm - Bcpm)/ eff

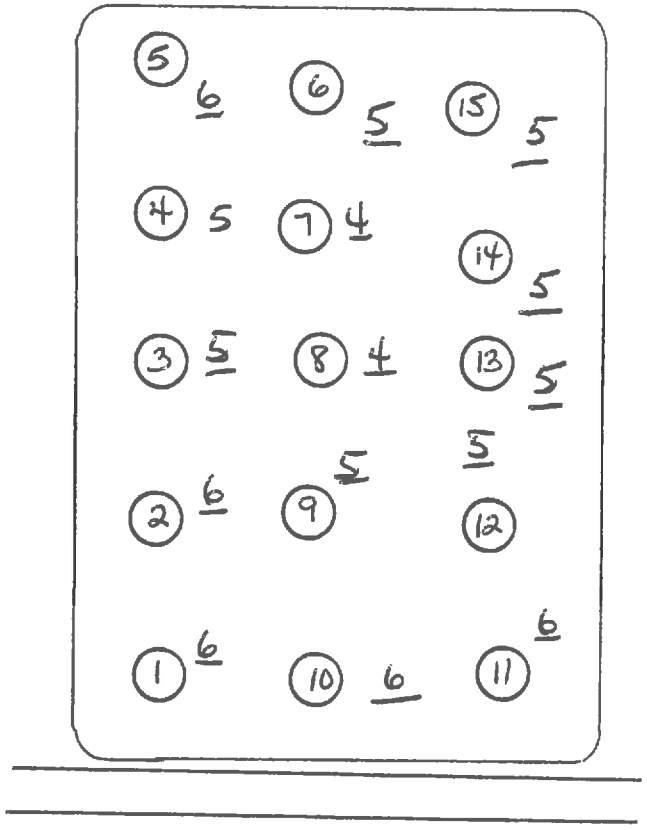
* dpm readings are per 100cm^2

Parameters		*Dose Rate*	*Gamma*	*Corr uRem*	*Total* Alpha	*Total* Beta-Gamma	*Removable* Alpha	*Removable* Beta-Gamma
Instrument Model:		19						12/44-9
Instrument SN:		221547						145985/PR150385
Cal. Due Date:		3/17/2015						4/17/2015
x, y int.:	*Efficiency:*	**N/A**						0.1173
BKG:	*Bcpm**:*	6						41
ACF:								**1**
tB:								1
tS:								1
Lc:								126.99
MDC:								279.56

No.	*Descriptions*	*Time*	*x*	*y*	*uRem/hr*	*cptm*	*uRem/hr*	*cpm*	**dpm*	*cpm*	**dpm*	*cpm*	**dpm*	*cpm*	**dpm*
	Parecl A Slab SOUTHWEST														
1	Concrete Pad				6									49	68
2	Concrete Pad				6									41	0
3	Concrete Pad				5									47	51
4	Concrete Pad				5									41	0
5	Concrete Pad				6									45	34
6	Concrete Pad				5									46	43
7	Concrete Pad				4									48	60
8	Concrete Pad				4									45	34
9	Concrete Pad				5									50	77
10	Concrete Pad				6									46	43
11	Concrete Pad				6									30	-94
12	Concrete Pad				5									43	17
13	Concrete Pad				5									45	34
14	Concrete Pad				5									41	0
15	Concrete Pad				5									38	-26

Survey Information Sheet

Survey Drawing/ Description/ Comments



(#) = SMEAR LOCATION
= DOSE RATE uR/HR

FQ

General Information

Survey #: LT

Site: PARCEL "A" PROPERTY

Tech(s): F. QUINTON

Page: 2 of 3

Comments:

Survey Data Sheet - Li Tungsten

Reviewed By:_____

Survey No.:	LT093014	**Item(s) Surveyed:**	Pre Demo survey of Northwest Corner of Parcel A Slab	**Project: 144036**
Date:	9/30/2014	**Contaminant/Limits:**	1000 dpm (removable), 5000 dpm (fixed). Dose rate Limit = 2X BKG	
Survey Tech.:	F. Quinton	**Comments:**	See Map	
Count Rm. Tech.:	F. Quinton			
Date Counted:	9/30/2014			
Survey Type:	Pre Demo Survey			
Level of Posting:	NA			

Notes:

ACF = Area Correction Factor

T_b = Background Count Time

T_s = Sample Count Time

R_b = Bkgd count rate

**Bcpm = Background cpm = R_b

Direct

(dpm) = (cpm - Bcpm)/(eff * ACF)

Removable

(dpm) = (cpm - Bcpm)/ eff

* dpm readings are per 100cm^2

Parameters		*Dose Rate*	*Gamma*	*Corr uRem*	*Total* Alpha	*Total* Beta-Gamma	*Removable* Alpha	*Removable* Beta-Gamma
Instrument Model:		19						12/44-9
Instrument SN:		148206						145985/PR150385
Cal. Due Date:		4/15/2015						4/17/2015
x, y int.:	*Efficiency:*	**N/A**						0.1173
BKG:	*Bcpm**:*	6						35
ACF:								**1**
tB:								1
tS:								1
Lc:								117.33
MDC:								260.24

No.	*Descriptions*	*Time*	*x*	*y*	*uRem/hr*	*cptm*	*uRem/hr*	*cpm*	**dpm*	*cpm*	**dpm*	*cpm*	**dpm*	*cpm*	**dpm*
	Parecl A Slab NORTHWEST														
1	Concrete Pad				4									31	-34
2	Concrete Pad				5									28	-60
3	Concrete Pad				5									33	-17
4	Concrete Pad				6									33	-17
5	Concrete Pad				6									32	-26
6	Concrete Pad				5									29	-51
7	Concrete Pad				5									29	-51
8	Concrete Pad				4									24	-94
9	Concrete Pad				5									24	-94
10	Concrete Pad				5									36	9
11	Concrete Pad				6									35	0
12	Concrete Pad				5									31	-34
13	Concrete Pad				6									34	-9
14	Concrete Pad				5									36	9
15	Concrete Pad				5									35	0
16	Concrete Pad				4									23	-102
17	Concrete Pad				4									28	-60
18	Concrete Pad				5									26	-77
19	Concrete Pad				5									37	17
20	Concrete Pad				6									33	-17

Survey Data Sheet - Li Tungsten

Reviewed By:_____

Survey No.:	LT093014	**Item(s) Surveyed:**	Pre Demo survey of Northwest Corner of Parcel A Slab
Date:	9/30/2014	**Contaminant/Limits:**	1000 dpm (removable), 5000 dpm (fixed). Dose rate Limit = 2X BKG
Survey Tech.:	F. Quinton	**Comments:**	See Map
Count Rm. Tech.:	F. Quinton		
Date Counted:	9/30/2014		
Survey Type:	Pre Demo Survey		
Level of Posting:	NA		

Project: 144036

Notes:

ACF = Area Correction Factor

T_b = Background Count Time

T_s = Sample Count Time

R_b = Bkgd count rate

**Bcpm = Background cpm = R_b

Direct

(dpm) = (cpm - Bcpm)/(eff * ACF)

Removable

(dpm) = (cpm - Bcpm)/ eff

* dpm readings are per $100cm^2$

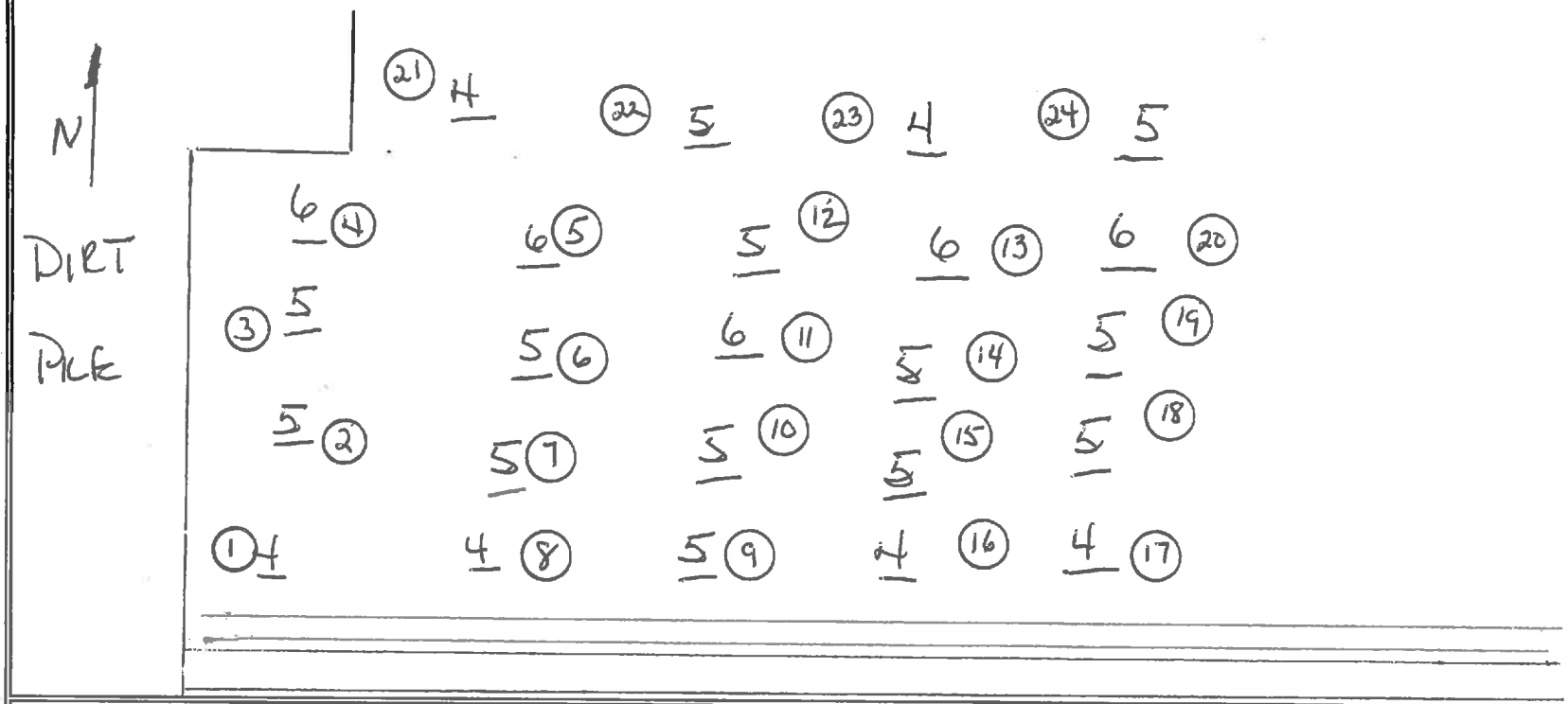
Parameters		*Dose Rate*	*Gamma*	*Corr uRem*	*Total* Alpha	*Total* Beta-Gamma	*Removable* Alpha	*Removable* Beta-Gamma
Instrument Model:		19						12/44-9
Instrument SN:		148206						145985/PR150385
Cal. Due Date:		4/15/2015						4/17/2015
x, y int.:	*Efficiency:*	**N/A**						0.1173
BKG:	*Bcpm**:*	6						35
ACF:								**1**
tB:								1
tS:								1
Lc:								117.33
MDC:								260.24

No.	*Descriptions*	*Time*	*x*	*y*	*uRem/hr*	*cptm*	*uRem/hr*	*cpm*	**dpm*	*cpm*	**dpm*	*cpm*	**dpm*	*cpm*	**dpm*
21	Concrete Pad				4									31	-34
22	Concrete Pad				5									40	43
23	Concrete Pad				4									23	-102
24	Concrete Pad				5									37	17

Survey Information Sheet

Survey Drawing/ Description/ Comments

LI TUNGSTEN
PARCEL "A"



General Information

Survey #: LT

Site: LI TUNGSTEN

Tech(s): F. QUINTON FQ

Comments: PARCEL "A"

Page: 3 of 3

(#) = SNEAK LOCATION
= DOSE RATE uR/HR γ

Survey Data Sheet - Li Tungsten

Reviewed By:_____

Survey No.:	LT100714	**Item(s) Surveyed:**	Pre Demo survey of Northeast Corner of Parcel A Slab
Date:	10/7/2014	**Contaminant/Limits:**	1000 dpm (removable), 5000 dpm (fixed). Dose rate Limit = 2X BKG
Survey Tech.:	F. Quinton	**Comments:**	See Map
Count Rm. Tech.:	F. Quinton		
Date Counted:	10/7/2014		
Survey Type:	Pre Demo Survey		
Level of Posting:	NA		

Project: 144036

Notes:

ACF = Area Correction Factor

T_b = Background Count Time

T_s = Sample Count Time

R_b = Bkgd count rate

**Bcpm = Background cpm = R_b

Direct

(dpm) = (cpm - Bcpm)/(eff * ACF)

Removable

(dpm) = (cpm - Bcpm)/ eff

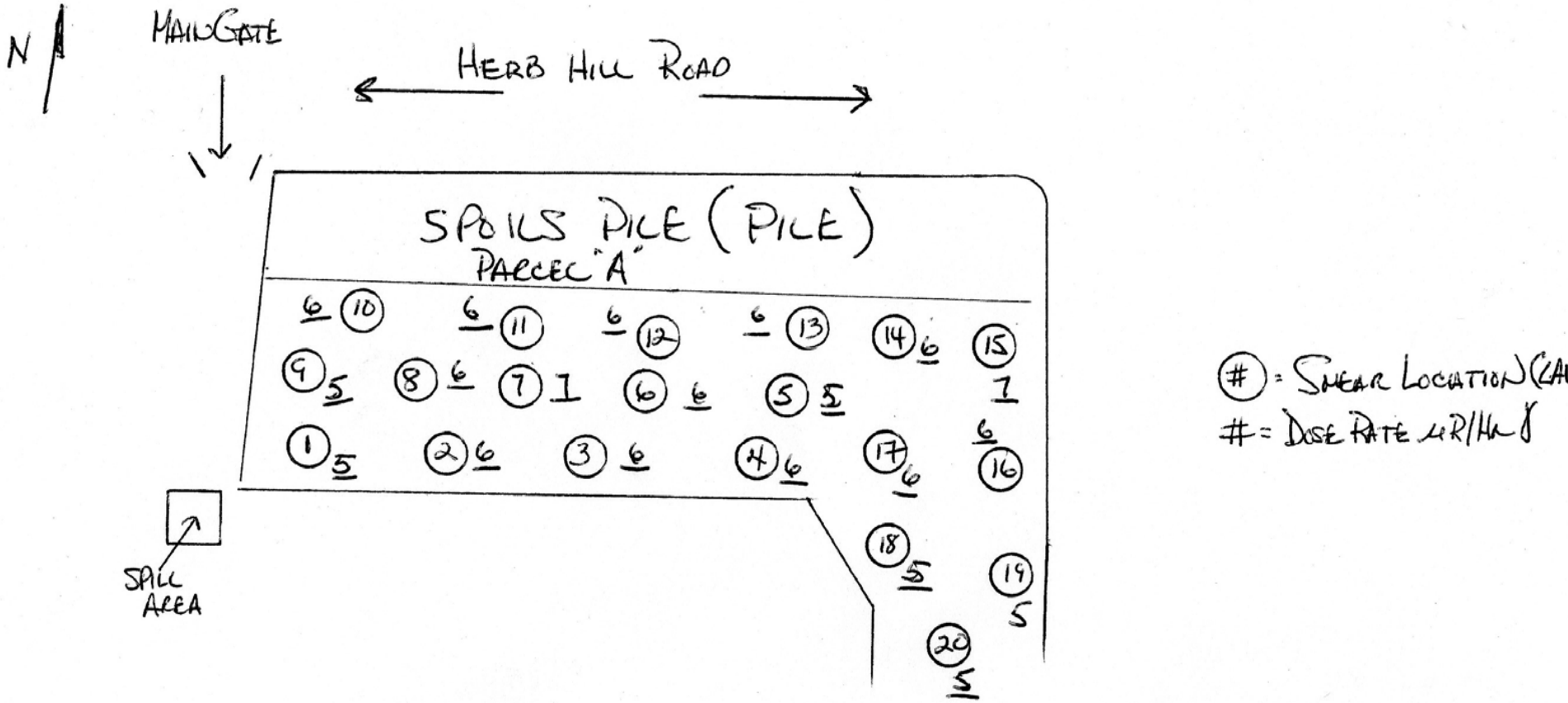
* dpm readings are per 100cm^2

Parameters		*Dose Rate*	*Gamma*	*Corr uRem*	*Total* Alpha	*Total* Beta-Gamma	*Removable* Alpha	*Removable* Beta-Gamma
Instrument Model:		19						12/44-9
Instrument SN:		148206						145985/PR150385
Cal. Due Date:		4/15/2015						4/17/2015
x, y int.:	*Efficiency:*	**N/A**						0.1173
BKG:	*Bcpm**:*	5						39
ACF:								**1**
tB:								1
tS:								1
Lc:								123.86
MDC:								273.29

No.	*Descriptions*	*Time*	*x*	*y*	*uRem/hr*	*cptm*	*uRem/hr*	*cpm*	**dpm*	*cpm*	**dpm*	*cpm*	**dpm*	*cpm*	**dpm*
	Parecl A Slab NORTHEAST														
1	Concrete Pad				5									40	9
2	Concrete Pad				6									39	0
3	Concrete Pad				6									35	-34
4	Concrete Pad				6									45	51
5	Concrete Pad				5									35	-34
6	Concrete Pad				6									50	94
7	Concrete Pad				7									47	68
8	Concrete Pad				6									43	34
9	Concrete Pad				5									51	102
10	Concrete Pad				6									45	51
11	Concrete Pad				6									49	85
12	Concrete Pad				6									39	0
13	Concrete Pad				6									46	60
14	Concrete Pad				6									49	85
15	Concrete Pad				7									39	0
16	Concrete Pad				6									52	111
17	Concrete Pad				6									44	43

urvey Information Sheet

urvey Drawing/ Description/ Comments



neral Information

Survey #: LT

Site: PARCEL "A" PROPERTY (NORTHEAST)

Tech(s): F. QUINTON / FQ

Page: 2 of 2

Comments: PRE-DEMO

Survey Data Sheet - Li Tungsten

Reviewed By:_____

Survey No.:	LT101014	**Item(s) Surveyed:**	Pre Demo survey of Northeast Corner of Parcel A Slab — **Project: 144036**
Date:	10/10/2014	**Contaminant/Limits:**	1000 dpm (removable), 5000 dpm (fixed). Dose rate Limit = 2X BKG
Survey Tech.:	F. Quinton	**Comments:**	Fence Line along Herb Hill Rd
Count Rm. Tech.:	F. Quinton		
Date Counted:	10/10/2014		
Survey Type:	Pre Demo Survey		
Level of Posting:	NA		

Parameters		***Dose Rate***	***Gamma***	***Corr uRem***	***Total*** Alpha	***Total*** Beta-Gamma	***Removable*** Alpha	***Removable*** Beta-Gamma
Instrument Model:		19						12/44-9
Instrument SN:		148206						145985/PR150385
Cal. Due Date:		4/15/2015						4/17/2015
x, y int.:	*Efficiency:*	**N/A**						0.1173
BKG:	*Bcpm**:*	5						42
ACF:								**1**
tB:								1
tS:								1
Lc:								128.53
MDC:								282.64

Notes:

ACF = Area Correction Factor

T_b = Background Count Time

T_s = Sample Count Time

R_b = Bkgd count rate

**Bcpm = Background cpm = R_b

Direct

(dpm) = (cpm - Bcpm)/(eff * ACF)

Removable

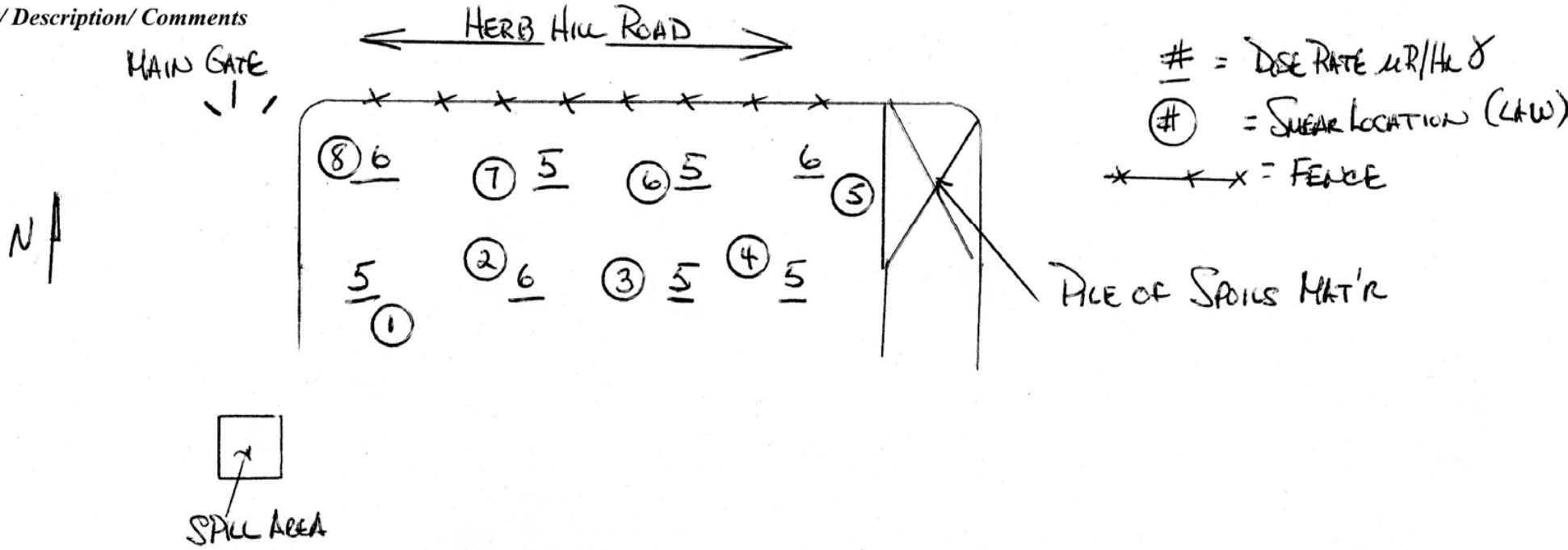
(dpm) = (cpm - Bcpm)/ eff

* dpm readings are per 100cm^2

No.	*Descriptions*	*Time*	*x*	*y*	*uRem/hr*	*cptm*	*uRem/hr*	*cpm*	**dpm*	*cpm*	**dpm*	*cpm*	**dpm*	*cpm*	**dpm*
	Parecl A Slab NORTHEAST														
1	Concrete Pad				5									53	94
2	Concrete Pad				6									52	85
3	Concrete Pad				5									41	-9
4	Concrete Pad				5									62	171
5	Concrete Pad				6									44	17
6	Concrete Pad				5									44	17
7	Concrete Pad				5									47	43
8	Concrete Pad				6									55	111
9															
10															
11															
12															
13															
14															
15															
16															
17															

urvey Information Sheet

rvey Drawing/ Description/ Comments



neral Information

Survey #: LT

Site: PARCEL 'A' PROPERTY (NORTHEAST)

Tech(s): F. QUINTON / FQ.

Page: 2 of 2

Comments: PRE-DEMO

Survey Data Sheet - Li Tungsten

Reviewed By:_____

Survey No.:	LT101414	**Item(s) Surveyed:**	Pre Demo survey of Northeast Corner of Parcel A Slab — **Project: 144036**
Date:	10/14/2014	**Contaminant/Limits:**	1000 dpm (removable), 5000 dpm (fixed). Dose rate Limit = 2X BKG
Survey Tech.:	F. Quinton	**Comments:**	See Map
Count Rm. Tech.:	F. Quinton		
Date Counted:	10/14/2014		
Survey Type:	Pre Demo Survey		
Level of Posting:	NA		

Notes:

ACF = Area Correction Factor

T_b = Background Count Time

T_s = Sample Count Time

R_b = Bkgd count rate

**Bcpm = Background cpm = R_b

Direct

(dpm) = (cpm - Bcpm)/(eff * ACF)

Removable

(dpm) = (cpm - Bcpm)/ eff

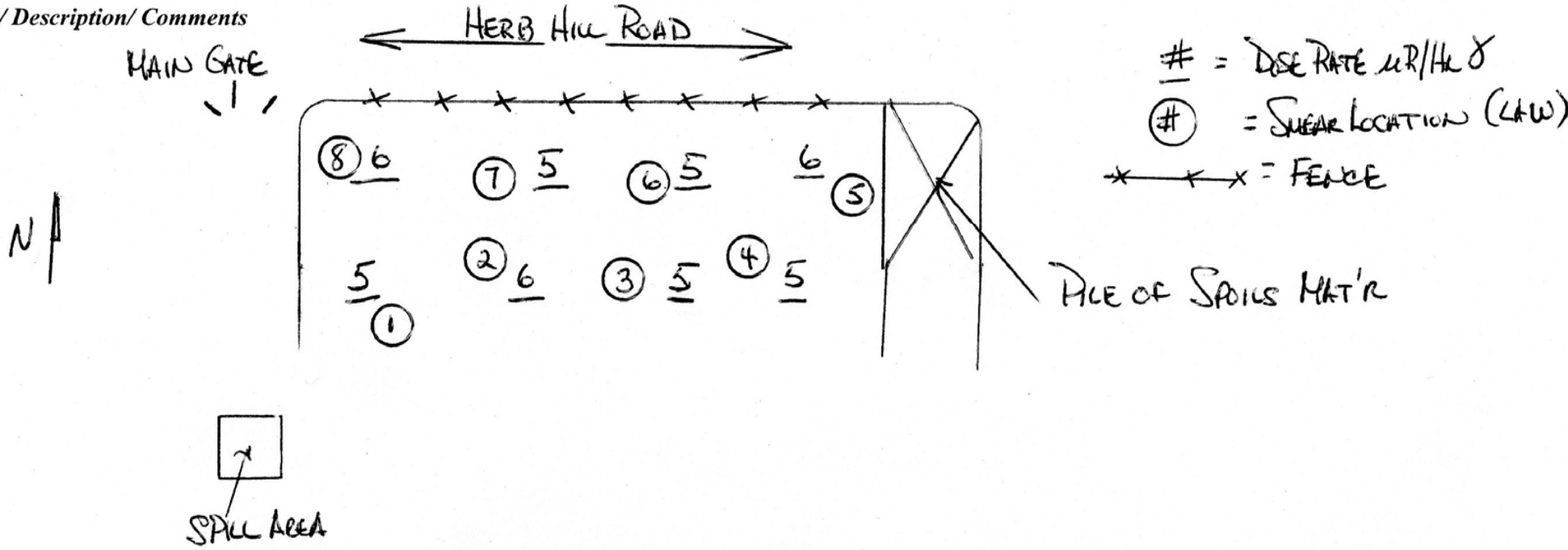
* dpm readings are per 100cm^2

Parameters		*Dose Rate*	*Gamma*	*Corr uRem*	*Total* Alpha	*Total* Beta-Gamma	*Removable* Alpha	*Removable* Beta-Gamma
Instrument Model:		19						12/44-9
Instrument SN:		221547						145985/PR150385
Cal. Due Date:		3/17/2015						4/17/2015
x, y int.:	*Efficiency:*	**N/A**						0.1173
BKG:	*Bcpm**:*	5						38
ACF:								**1**
tB:								1
tS:								1
Lc:								122.26
MDC:								270.09

No.	*Descriptions*	*Time*	*x*	*y*	*uRem/hr*	*cptm*	*uRem/hr*	*cpm*	**dpm*	*cpm*	**dpm*	*cpm*	**dpm*	*cpm*	**dpm*
	Parecl A Slab NORTHEAST														
1	Concrete Pad				5									42	34
2	Concrete Pad				5									54	136
3	Concrete Pad				5									38	0
4	Concrete Pad				6									41	26
5	Concrete Pad				5									45	60
6	Concrete Pad				6									44	51
7	Concrete Pad				5									34	-34
8	Concrete Pad				5									39	9
9	Concrete Pad				6									37	-9

urvey Information Sheet

rvey Drawing/ Description/ Comments



neral Information

Survey #: LT

Site: PARCEL 'A' PROPERTY (NORTHEAST)

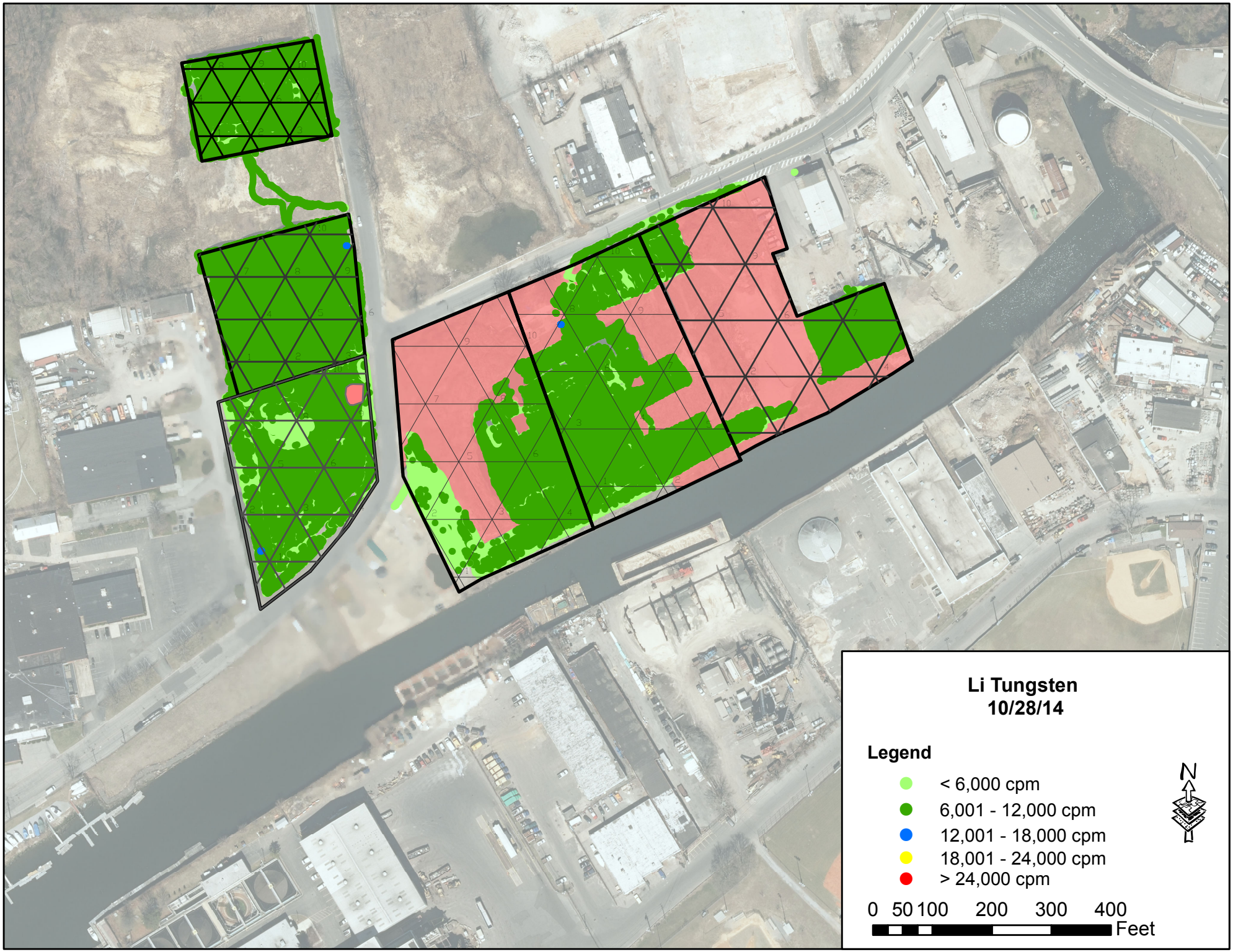
Tech(s): F. QUINTON / FQ.

Page: 2 of 2

Comments: PRE-DEMO

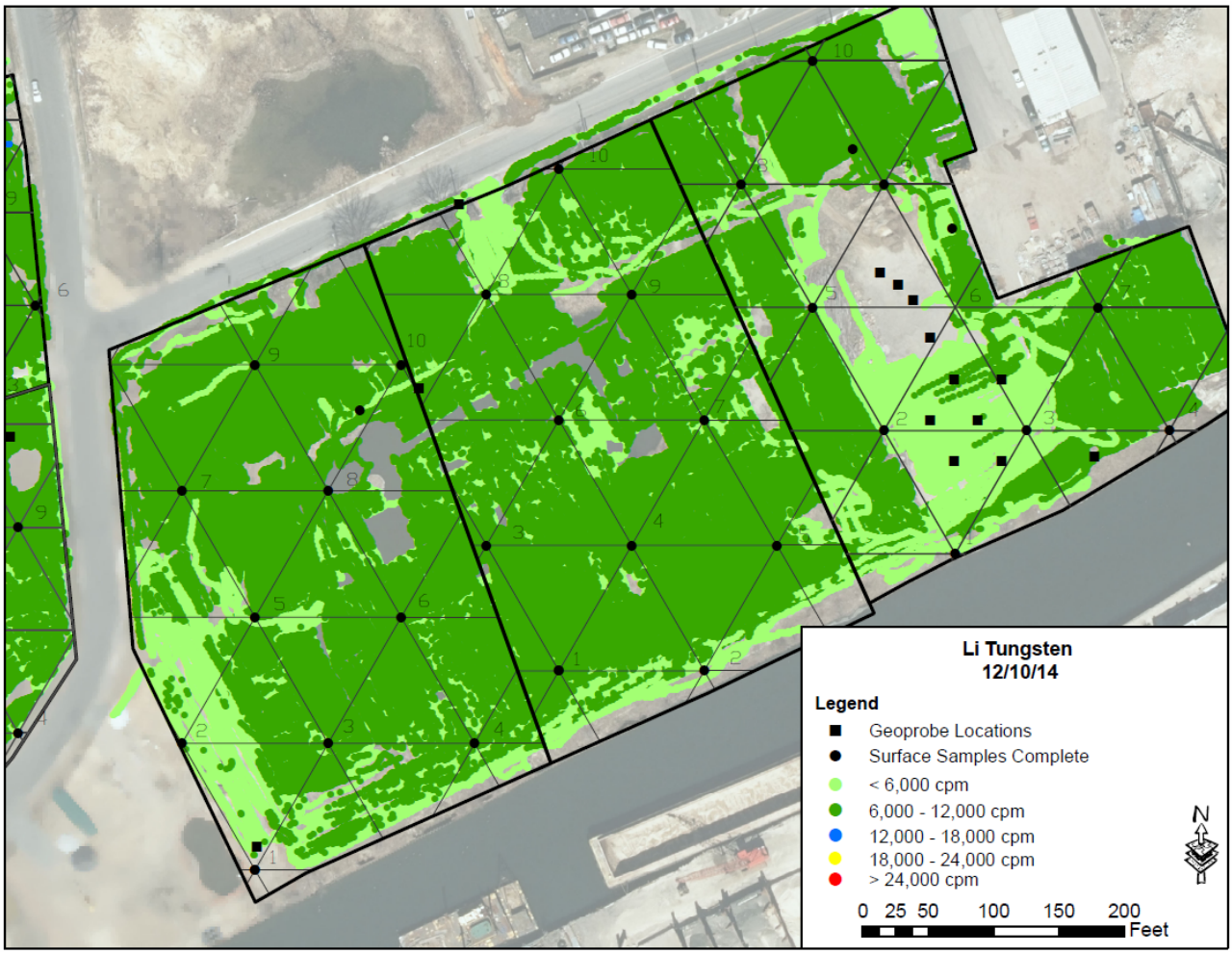
Attachment 2

Parcel A FSS Map


Li Tungsten
10/28/14
Legend
< 6,000 cpm
6,001 - 12,000 cpm
12,001 - 18,000 cpm
18,001 - 24,000 cpm
> 24,000 cpm
N
0 50 100 200 300 400
Feet

ATTACHMENT 4

Parcel A Gamma Scan Results (Preliminary)


Li Tungsten
12/10/14
Legend
Geoprobe Locations
Surface Samples Complete
< 6,000 cpm
6,000 - 12,000 cpm
12,000 - 18,000 cpm
18,000 - 24,000 cpm
> 24,000 cpm
N
0 25 50 100 150 200
Feet