

APPENDIX I – UST REGISTRATION, CLOSURE, AND DISPOSAL DOCUMENTATION



June 15, 2020

Ms. Wendi Zheng
NYSDEC - Region 2, PBS Unit
Hunters Point Plaza
Division of Environmental Remediation
47-40 21st Street
Long Island City, NY 11101

RE: Underground Storage Tank Closure Report
PBS No. 2-613138
Remediation and Reconstruction of Ball Fields 5-8
Red Hook Recreation Area, 98 Lorraine Street, Brooklyn, NY

Dear Ms. Zheng,

At the request of the New York City Department of Parks and Recreation (DPR), TRC is providing the attached final underground storage tank (UST) closure report for Red Hook Ball Fields 5 to 8 located within the Red Hook Recreation Area, Brooklyn, NY (the Site). The UST Closure Report was prepared by AARCO Environmental Services Corporation (AARCO) for DPR to document the permanent closure of a former petroleum UST discovered during construction activities at 98 Lorraine Street in Brooklyn, NY. The park construction activities are associated with the implementation of a USEPA-approved remedy for the Site. The attached completed/signed PBS Application Form is provided for the closure of this UST.

During the removal of the 3,000-gallon UST, it was found to contain no liquids and a dry tank bottom sludge that had a fuel oil-like odor and appearance. Attached are several photos of the tank bottom material that was drummed and disposed/treated off site. As indicated by the attached report, the post UST and petroleum-impacted removal soil verification sample analyses indicate no volatile organic compound (VOC) detections and low concentrations of several semivolatile organic compounds (SVOCs) consisting of polycyclic aromatic hydrocarbons (PAHs). The highest total PAH concentration was detected in soil side wall sample EP-6 at 77 mg/kg, which is less than the total PAH subsurface soil cleanup level of 500 mg/kg provided in CP-51 as an option in lieu of achieving the individual PAH-specific SCOs with appropriate institutional controls. In addition, none of the primary gasoline-related VOCs, including benzene, toluene, xylene, or methy tert butyl ether (MTBE) were detected in any of the soil samples. Also, no VOCs or PCBs indicative of potential waste oil were detected in the soil samples. Based on these field observations, findings, and historic site use, the tank is believed to have been used for fuel oil storage for the former industrial smelting facility located on the property.

A copy of a prior 2016 site investigation report is attached for consideration in assessing the post UST removal soil sample data. For comparison, TRC reviewed the 2016 soil sample data for the site that includes sample data for 12 soil samples collected from across the site by TRC during the predesign phase of this project. Page 5 of the 2016 report provides a summary of the soil sample PAH detections. The 2016 soil sample data also indicates the detection of PAHs with slightly higher overall PAH concentrations detected in one of the 2016 soil samples. All of these soil samples were collected from the historic fill that exists across the site, with some reported to

contain ash and cinders. No signs of potential petroleum impacts (e.g., odors, sheen, oil product) were identified in any of the borings associated with the 2016 samples. Furthermore, no sheen, odor, or discoloration was observed in the groundwater and no SVOCs, including PAHs, were detected in five groundwater samples collected in 2016 from temporary wells installed on the site and located to the south/southwest in a suspected downgradient direction from the UST location.

Based on a comparison of the post UST excavation end point soil sample data to 2016 site investigation data, the PAHs were detected in the endpoint soil samples at concentrations similar to those documented by prior site soil investigation data for the historic fill across the former smelter site. The elevated PAHs were found in historic fill containing ash and cinders which are also present in the UST excavation soils. Furthermore, no signs of petroleum impacts (e.g., free product, sheen, petroleum odors), VOCs or PAHs were detected in the 2016 site groundwater samples, which included several wells in the suspect downgradient direction of the former UST location.

All historic fill that is geotechnically suitable is reused onsite below clean cover materials. However, the petroleum impacted soil excavated during the UST removal will be disposed of off site at a permitted disposal facility.

The planned park development includes the construction of a clean cover remedy for the entire site that will restrict direct contact with the underlying contaminated historic soils/fill. In addition, institutional controls consisting of an environmental notice along with a site management plan will be implemented to ensure long-term maintenance of the remedy. Therefore, potential human health exposure concerns associated with the historic site fill including that at the former UST location will be addressed with the planned site cover remedy.

We trust this provides you with the information that you require regarding the subject UST closure. Should you have any questions on the report or require additional information on the closure, please contact Ms. Kay Zias at DPR.

Sincerely,

TRC

James Peronto, P.E.
Principal Engineer

Enclosures:

Completed PBS Application Form for Tank Closure

AARCO Underground Storage Tank Closure Report, April 26, 2020



Underground Storage Tank Closure Report

PBS No. 2-613138

Red Hook Recreation Area, Ball Fields 5 through 8, Brooklyn, New York

June 15, 2020

Page 3 of 3

Infiltration, Soil and Groundwater Testing Report, June 9, 2016

c: Kay Zias/DPR
Kevin Horgan/DPR
Leszek Zielinski/NYSDEC
Jane O'Connell/NYSDEC
Wes Lindemuth/TRC



PBS # :
2-613138

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Petroleum Bulk Storage Program
Facility Information Report

<u>Site Information</u>	<u>Tax Map Information</u>	<u>Site Owner Information</u>	<u>Mail Correspondent Information</u>
RED HOOK PARK BALLFIELD 5-8 98 LORRAINE STREET BROOKLYN, NY 11231	Boro/Sec.: BKLYN Block: 581 Lot: 1	NEW YORK CITY DEPARTMENT OF PARKS AND RECREATION 830 FIFTH AVENUE NEW YORK, NY 10021 (212) 410-8916 Owner Type : Local Government	NYC PARKS AND RECREATION 20 BRONX SHORE ROAD RANDALL'S ISLAND NEW YORK, NY 10035 ATTN: GABE RAMOS (212) 410-8916
Site Phone: (860) 705-2116 Town: New York City County: Kings Facility Operator: RYAN NEILAN		Authorized Representative: JOHN LUISI	
Emergency Contact: RYAN NEILAN		Emergency Phone: (860) 705-2116	

Site Status : Unregulated/Closed						Reg Expires : 02/28/2025						Cert Printed: 03/03/2020						Total Active Tanks : 0						Last Inspected:			
Site Type: Manufacturing (Other than Chemical)/Processing						Cert Issued: 03/03/2020						Total Active Capacity : 0						Inspected By:									
<u>(2)</u> <u>Tank</u> <u>No</u>	<u>(3)</u> <u>Tank</u> <u>Loc</u>	<u>(4)</u> <u>Status</u>	<u>(5)</u> <u>Date</u> <u>Instal</u>	<u>(5)</u> <u>Date</u> <u>Closed</u>	<u>(6)</u> <u>Capacity</u> <u>(gals)</u>	<u>(7)</u> <u>Product</u>	<u>(8)</u> <u>Tank</u> <u>Type</u>	<u>(9)</u> <u>Tank</u> <u>IP</u>	<u>(10)</u> <u>Tank</u> <u>EP</u>	<u>(11)</u> <u>Tank</u> <u>SC</u>	<u>(12)</u> <u>Tank</u> <u>LD</u>	<u>(13)</u> <u>Tank</u> <u>OP</u>	<u>(14)</u> <u>Tank</u> <u>SP</u>	<u>(15)</u> <u>Tank</u> <u>Disp</u>	<u>(16)</u> <u>Pipe</u> <u>Loc</u>	<u>(17)</u> <u>Pipe</u> <u>Type</u>	<u>(18)</u> <u>Pipe</u> <u>EP</u>	<u>(19)</u> <u>Pipe</u> <u>SC</u>	<u>(20)</u> <u>Pipe</u> <u>LD</u>	<u>(21)</u> <u>UDC</u>	<u>Next</u> <u>Tank</u> <u>Test</u>	<u>Next</u> <u>Line</u> <u>Test</u>	<u>Tank</u> <u>Owner</u>				
001	5	3		02/27/2020	3,000	9999	01	00	00	00	00	00	00	00	00	00	00	00	00	00				NEW YORK CITY			
Subpart: 2		Category: 1																									

(See Reverse Side or Last Page for Code Keys)

PETROLEUM BULK STORAGE APPLICATION - SECTION B - TANK INFORMATION - CODE KEYS

Action (1)

1. Initial Listing
2. Add Tank
3. Close/Remove Tank
4. Information Correction
5. Recondition/Repair/Reline

Tank Location (3)

1. Aboveground-contact w/soil
2. Aboveground-contact w/
impervious barrier
3. Aboveground on saddles, legs,
stilts, rack or cradle
4. Tank 10% or more below ground
5. Underground including vaulted
with no access for inspection
6. Aboveground in Subterranean

Status (4)

1. In-service
2. Out-of-service
3. Closed-Removed
4. Closed- In Place
5. Tank converted to Non-
Regulated use

Products Stored (7)

Heating Oils: On-Site

Consumption

- 0001. #2 Fuel Oil
- 0002. #4 Fuel Oil
- 0259. #5 Fuel Oil
- 0003. #6 Fuel Oil
- 0012. Kerosene
- 0591. Clarified Oil
- 2711. Biodiesel (Heating)
- 2642. Used Oil (Heating)

Heating Oils: Resale/

Redistribution

- 2718. #2 Fuel Oil
- 2719. #4 Fuel Oil
- 2720. #5 Fuel Oil
- 2721. #6 Fuel Oil
- 2722. Kerosene
- 2723. Clarified Oil
- 2724. Biodiesel (Heating)

Motor Fuels

- 0009. Gasoline
- 2712. Gasoline/Ethanol
- 0008. Diesel
- 2710. Biodiesel
- 0011. Jet Fuel
- 1044. Jet Fuel (Biofuel)
- 2641. Aviation Gasoline

Lubricating/Cutting Oils

- 0013. Lube Oil
- 0015. Motor Oil
- 1045. Gear/Spindle Oil
- 0010. Hydraulic Oil
- 0007. Cutting Oil
- 0021. Transmission Fluid
- 1836. Turbine Oil

Oils Used as Building Materials

- 2626. Asphaltic Emulsions
- 0748. Form Oil

Petroleum Spirits

- 0014. White/Mineral Spirits
- 1731. Nantha

Mineral/Insulating Oils

- 0020. Insulating Oil (e.g.,
Transformer, Cable Oil)
- 2630. Mineral Oil

Waste/Used/Other Oils

- 0022 Waste/Used Oil
- 9999 Other-Please list:*

Crude Oil

- 0006. Crude Oil
- 0701. Crude Oil Fractions

Tank Type (8)

- 01. Steel/Carbon Steel/Iron
- 02. Galvanized Steel Alloy
- 03. Stainless Steel Alloy
- 04. Fiberglass Coated Steel
- 05. Steel Tank in Concrete
- 06. Fiberglass Reinforced Plastic
(FRP)
- 07. Plastic
- 08. Equivalent Technology
- 09. Concrete
- 10. Urethane Clad Steel
- 99. Other-Please list:*

Internal Protection (9)

- 00. None
- 01. Epoxy Liner
- 02. Rubber Liner
- 03. Fiberglass Liner (FRP)
- 04. Glass Liner
- 99. Other-Please list:*

External Protection (10/18)

- 00. None
- 01. Painted/Asphalt Coating
- 02. Original Sacrificial Anode
- 03. Original Impressed Current
- 04. Fiberglass
- 05. Jacketed
- 06. Wrapped (Piping)
- 07. Retrofitted Sacrificial Anode
- 08. Retrofitted Impressed Current
- 09. Urethane

Tank Secondary Containment (11)

- 00. None
- 01. Diking (AST Only)
- 02. Vault (w/access)
- 03. Vault (w/o access)
- 04. Double-Walled (UST Only)
- 05. Synthetic Liner
- 06. Remote Impounding Area
- 07. Excavation Liner
- 09. Modified Double-Walled
(AST Only)
- 10. Impervious Underlayment
(AST Only)**
- 11. Double Bottom (AST Only)**
- 12. Double-Walled (AST Only)
- 99. Other - Please List:*

Tank Leak Detection (12)

- 00. None
- 01. Interstitial Electronic
Monitoring
- 02. Interstitial Manual Monitoring
- 03. Vapor Well
- 04. Groundwater Well
- 05. In-Tank System (Auto Tank
Gauge)
- 06. Impervious Barrier/Concrete
Pad (AST Only)
- 07. Statistical Inventory Reconciliation (SIR)
- 08. Weep holes in vaults with no access for
inspection.

Overfill Protection (13)

- 00. None
- 01. Float Vent Valve
- 02. High Level Alarm
- 03. Automatic Shut-Off
- 04. Product Level Gauge (AST)
- 05. Vent Whistle
- 99. Other-Please list:*

Spill Prevention (14)

- 00. None
- 01. Catch Basin
- 99. Other-Please list:*

Pumping/Dispensing Method (15)

- 00. None
- 01. Presurized Dispenser
- 02. Suction Dispenser
- 03. Gravity
- 04. On-Site Heating System
(Suction)
- 05. On-Site Heating System
(Supply/Return)
- 06. Tank-Mounted Dispenser

Piping Location (16)

- 00. No Piping
- 01. Aboveground
- 02. Underground/On-ground
- 03. Aboveground/Underground
Combination

Piping Type (17)

- 00. None
- 01. Steel/Carbon Steel/Iron
- 02. Galvanized Steel
- 03. Stainless Steel Alloy
- 04. Fiberglass Coated Steel
- 05. Steel Encased in Concrete
- 06. Fiberglass Reinforced Plastic
(FRP)
- 07. Plastic
- 08. Equivalent Technology
- 09. Concrete
- 10. Copper
- 11. Flexible Piping

Piping Secondary Containment (19)

- 00. None
- 01. Diking (Aboveground Only)
- 02. Vault (w/access)
- 04. Double-Walled (Underground
Only)
- 06. Remote Impounding Area
- 07. Trench Liner
- 12. Double-Walled (Aboveground
Only)
- 99. Other - Please List:*

Pipe Leak Detection (20)

- 00. None
- 01. Interstitial Electronic
Monitoring
- 02. Interstitial Manual Monitoring
- 03. Vapor Well
- 04. Groundwater Well
- 07. Pressurized Piping Leak
Detector
- 09. Exempt Suction Piping
- 10. Statistical Inventory
Reconciliation
(SIR)
- 99. Other-Please list:*

Under Dispenser Containment (UDC) (21)

Check.Box.if.Present.

* If other, please list on a
separate sheet including tank
number

** Each of these codes must be
combined with code 01 or 06
to meet compliance
requirements



AARCO Environmental Services Corp.

April 26, 2020

New York City Parks and Recreation
117-02 Roosevelt Avenue
Fresh Meadows Corona Park
Flushing, NY 11368
Attn: Terry Naranjo, RLA
Design Director – Brooklyn
Telephone: (718) 760-6889
Fax: (718) 393-7243
Email: terry.naranjo@parks.nyc.gov

Re: **UST Removal Letter Report**
98 Lorraine Street, Brooklyn, New York, 11231
Date of removal : February 27, 2020

AARCO Environmental Services Corp. (AARCO) has been retained by New York City Parks and Recreation to remove and dispose of one (1) Former Fuel Oil Underground Storage Tank (UST) from the property located at 98 Lorraine Street, Brooklyn New York, 11231 herein referred to as the Subject Property, see **Figures 1 and 2**. This facility is currently in use as an active construction site, with representatives from LAWS Construction Corp (LAWS) and AECOM (AECOM) on site.

The UST closure and removal were conducted by AARCO in accordance with the NYC Parks and Recreation approved Work Plan written by AARCO, dated February 18, 2020. This summary letter presents the removal activities for the UST.

Site Background

The Subject Property is an active New York City Parks and Recreation (NYC Parks) construction site located at 98 Lorraine Street, Brooklyn, New York, 11231. The Site is bounded to the east and south by the Red Hook Recreation Center, to the north by Lorraine Street, and to the west by another active construction site on Hicks Street. The Subject Property's ongoing construction has a planned future use as athletic fields.

The UST was previously exposed during construction activities and was measured to be 5 feet in diameter and 20 feet long equating to a 3,000-gallon UST. It should be noted that the UST was previously indicated to be 4,000-gallon capacity. An overhead view of the site is presented as **Figure 2**, and a site plan of the UST area and endpoint sample locations is presented as **Figure 3**.

UST Closure Activities and Observations

On February 27, 2020, AARCO mobilized to the site to remove the Out-of-Service UST. Preferred Environmental Services Field geologist was present to witness the UST removal as well as to collect endpoint soil samples. AECOM Engineer Mr. Ryan P. Neilan was present on site to oversee the tank inspection and the subsequent endpoint sampling. A photographic log of the UST closure activities is provided as **Appendix A**.

Upon arrival on February 27, 2020, the UST was observed out-of-service (OOS) with the top and portion of the sidewalls exposed. Soils excavated from the side and top of the UST were noted staged along with other soils in a stockpile proximate to the OOS UST.

Inspection of the UST determined that no residual liquids were present within same. AARCO subsequently utilized a backhoe to remove the UST from the ground. Upon removal, the UST was placed on top of 6-mil polyethylene plastic sheeting. After removal from its former location, the UST was cut open for access for internal inspection and cleaning. Three (3) 55-gallon drums of tank bottom sludges were generated from the UST. These drums was transported to Dale Transfer Corp. located at 129 Dale Street, West Babylon New York, 11704 for disposal.

From Dale Transfer Corp., the tank bottom sludge was co-mingled with other petroleum contaminated solids for transportation and disposal at the CleanEarth of Carteret facility located in Carteret, NJ.

Appendix B includes all waste disposal manifests, as well as disposal facility and trucking permits.

Inspection found the UST in poor condition with extensive pitting, corrosion and denting in its sidewalls. One (1) ½-inch diameter corrosion hole was observed in the sidewall of the UST.

Endpoint Soil Sampling

Preferred's Geologist inspected soils within the UST grave for the presence of visual or olfactory evidence of petroleum impacts, as well as for the presence of Volatile Organic Compounds (VOCs) utilizing a Photoionization Detector (PID). Soils within the UST excavation were observed to consist of fill material brown silty sand with little gravel.

Once the UST was removed from the excavation, Preferred's Field Geologist utilized a stainless steel hand auger to collect endpoint soil samples. The bottom of the UST excavation was measured at 7 feet below relative grade surface. As previously referenced, a representative of AECOM was present on-site to confirm locations and depths of endpoint samples.

A total of six (6) locations (EP-1 through EP-6) were selected for endpoint sample collection. Four of the locations (EP-1 through EP-4) were selected from the bottom of the UST excavation and two (2) locations (EP-5 and EP-6) were collected from the sidewalls of the UST excavation. The bottom endpoint samples were spaced every five (5) along the center of the bottom of the excavation and the two (2) sidewall endpoint samples were collected from areas which exhibited moderate field evidence of petroleum impacts. **Figure 3** depicts the end point soil sample locations.

Soils within the four (4) bottom sample locations were noted to exhibit petroleum odors and elevated PID responses up to 96 Parts Per Million (PPM) Response Units (RUs). Slight petroleum odors and slightly elevated PID responses up to 14.2 PPM were noted in soils within the sidewall sample locations (EP-5 and EP-6). Bottom endpoint soil samples were collected from a depth interval of 7 to 7.5 feet below relative grade and sidewall endpoint samples (EP-5 and EP-6) were collected a depth interval of 6 to 6.5 feet below relative grade. Endpoint soil samples were immediately placed within laboratory-supplied glassware and then into an ice-filled cooler for transport to the laboratory for analysis.

Further investigation of soils within the bottom of the UST excavation, identified the presence of groundwater at 8 feet below relative grade. No evidence of petroleum-impacts (i.e. sheen or odor) was observed on groundwater. No groundwater samples were collected as part of the UST removal activities.

Soil and Groundwater Analytical Results

The six (6) endpoint soil samples were analyzed for NYSDEC CP-51 list VOCs and SVOCs via United States Environmental Protection Agency (USEPA) Method 8260/5053 and by USEPA Method 8270, respectively. The samples were transported and submitted to York Analytical Laboratories Inc. (York), a New York State Department of Health (NYSDOH) ELAP-Certified Laboratory under appropriate chain of custody protocols. A copy of the summary analytical testing data is provided in Appendix C.

The results of the six (6) endpoint soil samples were compared to Soil Clean-up Objective set forth in the NYSDEC CP-51 Soil Clean-up Guidance Issued October 21, 2010. As indicated in **Table 1**, petroleum related VOCs were detected in endpoint samples EP-1 through EP-4 at concentrations exceeding applicable Laboratory Method Detection Limits (MDLs), however none were present at concentrations exceeding their applicable NYSDEC SCOs. No VOCs were detected above MDLs in the EP-5 and EP-6 samples.

Select petroleum-related SVOCs were detected in each of the six endpoint soil samples at concentrations exceeding their applicable MDLs. Of the detected SVOCs, benzo(a)anthracene, benzo(a)pyrene, benzo(k)fluoranthene, chrysene and indeno (1,2,3-c,d)pyrene were detected at concentrations exceeding their applicable NYSDEC SCO in samples EP-3, EP-5 and EP-6.

UST Disposal

After cleaning, the UST was transported by AARCO to Benson Scrap Metal located at 543 Smith Street, Brooklyn, NY for recycling. **Appendix D** contains the scrap metal receipt for the UST disposal.

FDNY Affidavit/PBS Registration

AARCO has submitted the required Affidavit of Removal to the FDNY. A copy of this affidavit is included in **Appendix E**. The updated NYSDEC Petroleum Bulk Storage Application Form is also included in **Appendix E**.

Conclusions

On February 27, 2020, AARCO successfully removed a 3,000+/- gallon Out-Of-Service UST. Three (3) 55-gallon drums of tank bottom sludge was removed from the UST for off-site transportation and disposal. Upon removal of the UST, inspection of same identified one (1) ½-inch diameter corrosion hole within the sidewall of the UST.

Field screening of soils within the UST excavation by Preferred's Field Geologist identified field evidence (i.e., petroleum odors and elevated PID responses) indicative of residual petroleum impacts. Laboratory analysis of six (6) endpoint samples identified select petroleum-related SVOCs at concentrations exceeding their applicable NYSDEC CP-51 SCOs in three (3) of the six samples.

Groundwater was encountered at a depth of one (1) foot below the bottom of the UST excavation, however no groundwater samples were collected as part of the tank closure activities.

Please feel free to contact either of the undersigned with any questions or concerns.

Sincerely,

Steven Plofker

Steve Plofker
Vice President
AARCO Environmental Services

William J. Schlageter

William J. Schlageter
Senior Hydrogeologist
Preferred Environmental Services

Enc.

Table 1

NYSDEC CP-51 VOCs and SVOCs Soil Sampling Results

98 Lorraine Street
Brooklyn, New York
March 16, 2020

CP-51 Diesel Fuel Compounds VOCs (ug/kg) 8260	EP-1		EP-2		EP-3		EP-4		EP-5		EP-6		NYSDEC CP-51 SCO Guidance Value
	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	
1,2,4-Trimethylbenzene	ND		ND		ND		ND		ND		ND		3,600
1,3,5-Trimethylbenzene	ND		ND		ND		ND		ND		ND		8,400
4-Isopropyltoluene	ND		ND		ND		ND		ND		ND		10,000
Benzene	ND		ND		ND		ND		ND		ND		60
Ethylbenzene	ND		ND		ND		ND		ND		ND		1,000
Isopropylbenzene	ND		ND		660	J	510		ND		ND		2,300
m,p-Xylene	ND		ND		ND		ND		ND		ND		260
Methyl tert-butyl ether	ND		ND		ND		ND		ND		ND		930
Naphthalene	ND		ND		ND		ND		ND		ND		12,000
n-Butylbenzene	1100		670	J	3400		1700		ND		ND		12,000
n-Propylbenzene	580	J	ND		1200		970		ND		ND		3,900
o-Xylene	ND		ND		ND		ND		ND		ND		260
sec-Butylbenzene	780		420	J	2600		1200		ND		ND		11,000
tert-Butylbenzene	ND		ND		540	J	ND		ND		ND		5,900
Toluene	ND		ND		ND		ND		ND		ND		700
CP-51 Diesel Fuel Compounds SVOCs (ug/kg) 8270	EP-1		EP-2		EP-3		EP-4		EP-5		EP-6		NYSDEC CP-51 SCO Guidance Value
	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	
Acenaphthene	ND		ND		ND		ND		ND		820		20,000
Acenaphthylene	ND		ND		ND		ND		ND		310		100,000
Anthracene	680		1000		2800		850		500		1900		100,000
Benzo(a)anthracene	62	J	540		1300		73		1500		6600		1,000
Benzo(a)pyrene	ND		430		1100		62		1500		6300		1,000
Benzo(b)fluoranthene	ND		340		880		ND		1300		5900		1,000
Benzo(g,h,i)perylene	ND		210		600		ND		860		3800		100,000
Benzo(k)fluoranthene	ND		340		800		ND		1100		4300		800
Chrysene	ND		450		1100		83		1400		6100		1,000
Dibenzo(a,h)anthracene	ND		74		160		ND		200		1000		330
Fluoranthene	250		1,400		2800		260		2500		12000		100,000
Fluorene	2600		2,200		9200		3000		ND		860		30,000
Indeno(1,2,3-c,d)pyrene	ND		280		820		ND		1200		5000		500
Phenanthrene	1800		2,100		11000		2700		1800		9600		100,000
Pyrene	420		1,400		3300		540		2300		12000		100,000

Notes:

NYSDEC Standard CP-51 Soil Cleanup Objectives Guidance Issued October 21, 2010

Q- Qualifier for analyte

J- Analyte Detected Below Quantitation Limits

ND- Not Detected

NA- Not Applicable

VOCs - Volatile Organic Compounds

SVOCs - Semi-Volatile Organic Compounds

Bolded and highlighted values indicate detected above NYSDEC Standard CP-51 Soil Cleanup Objectives Guidance Value

FIGURES



Figure 1 - Topographic Map



PREFERRED ENVIRONMENTAL SERVICES

323 Merrick Avenue - North Merrick, New York 11566
Tel: (516) 546-1100 Fax: (516) 213-8156



-Approximate Location
of Subject Property

Source: United States Geologic Survey
Red Hook Quadrangle

Scale: Not Available

Site: 98 Lorraine Street,
Brooklyn, NY

Date: February 20, 2020



Approx. 140 ft.
from curb

Approx. 35 ft.
from curb

Lorraine Street

Hicks Street

Approx. Former
UST Location

#98

Henry Street

Bay Street

SCALE

0 100 FT.



PREFERRED ENVIRONMENTAL SERVICES

323 Merrick Avenue - North Merrick, New York 11566

Tel: (516) 546-1100 Fax : (516) 213-8156

Figure 2 - Aerial Photograph



-Approximate
Property Line

Site: 98 Lorraine Street,
Brooklyn, New York

Date: February 20, 2020

Source: Google Maps

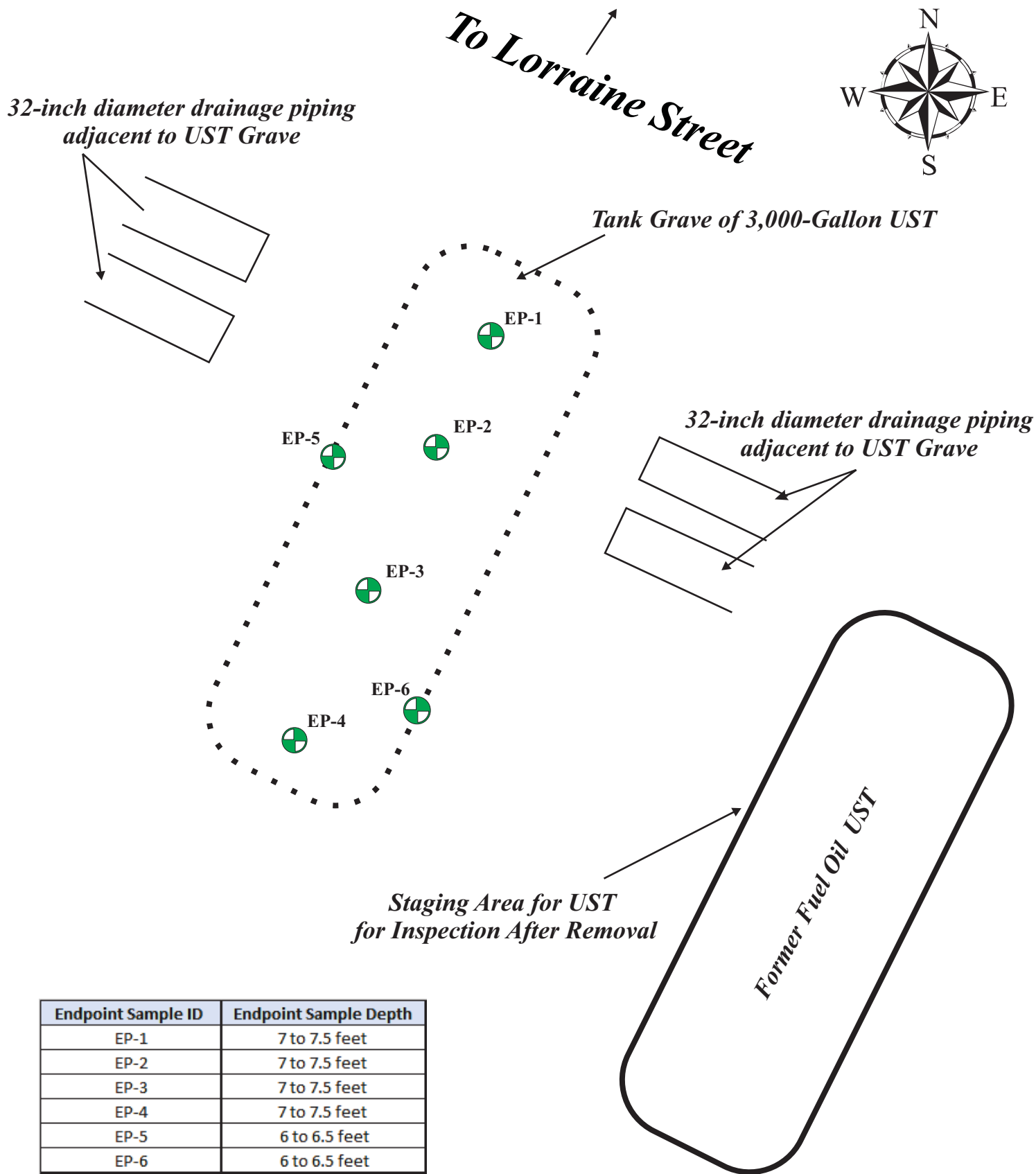


Figure 3 - Excavation Area and End Point Sampling Locations



PREFERRED ENVIRONMENTAL SERVICES

323 Merrick Avenue - North Merrick, New York 11566
Tel: (516) 546-1100 Fax : (516) 213-8156



- Approximate End Point
Sampling Location

Site: 98 Lorraine Street,
Brooklyn, New York

Date: March 13, 2020

Appendix A



Photograph No. 1: View of the UST exposed prior to its removal from 98 Lorraine Street, Brooklyn, New York. The property is an empty lot formerly used as a smelting facility. The UST closure activities were conducted by AARCO, with oversight by AECOM, and the New York City Parks Department.



Photograph No. 2: A Case 590 Super N excavator was utilized to remove the UST.



Photograph No. 3: After extracting the UST from the ground, same was temporarily staged adjacent to the excavation on top of plastic sheeting. A hole was cut in the side of the UST to allow for cleaning of the interior and inspection.



Photograph No. 4: View of a corrosion hole along the sidewall of the UST.



Photograph No. 5: A stainless steel hand auger was utilized to collect six (6) bottom and sidewall samples from the former tank location. These samples were sent for laboratory analysis.



Photograph No. 6: After the UST was removed from the ground, Preferred's Field Geologist screened soils along the bottom and sidewalls of the excavation for visual or olfactory evidence of petroleum impacts, as well as for the presence of VOCs utilizing a PID. Petroleum odors and elevated PID responses up to 96.1 Parts Per Million (PPM) Response Units (RUs) were noted in soils along the bottom of the excavation.

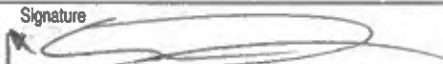
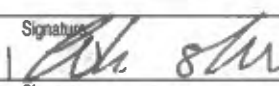
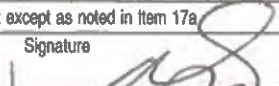


Photograph No. 7: After cleaning of the UST and inspection, the UST was loaded onto a flatbed trailer and transported to Benson Scrap Metal ((718)-722-7754) at 543 Smith Street, Brooklyn, New York for recycling.



Photograph No. 8: View of the Excavation area after the tank removal and soil sampling.

Appendix B

GENERATOR	NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number N/A		2. Page 1 of 1		3. Emergency Response Phone 631-586-5900		4. Waste Tracking Number NHWM7409		
	5. Generator's Name and Mailing Address GENERATOR: <u>NYC Parks and Rec</u> <u>98 Lorraine St.</u> <u>Brooklyn</u>					Generator's Site Address (if different than mailing address) SITE: <u>98 LORRAINE STREET</u> <u>BROOKLYN NY 11231</u>					
	Generator's Phone:										
	6. Transporter 1 Company Name AARCO ENVIRONMENTAL SERVICES					U.S. EPA ID Number NYR000107326					
	7. Transporter 2 Company Name					U.S. EPA ID Number					
	8. Designated Facility Name and Site Address DALE TRANSFER CORPORATION 129 DALE STREET, WEST BABYLON NY 11704 631-393-2882					U.S. EPA ID Number N/A					
	Facility's Phone:										
	9. Waste Shipping Name and Description					10. Containers		11. Total Quantity		12. Unit Wt./Vol.	
						No. Type					
	1. NON-REGULATED SOLIDS (TANK BOTTOMS)					003 DM		300		p	
2.											
3.											
4.											
13. Special Handling Instructions and Additional Information 1. APPROVAL NO. 2019-006 JOB NO. 7409											
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/Offor's Printed/Typed Name <u>Parks Dept</u>											
Signature 											
Month Day Year <u>2</u> <u>27</u> <u>20</u>											
15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:											
Transporter Signature (for exports only):											
16. Transporter Acknowledgment of Receipt of Materials											
Transporter 1 Printed/Typed Name <u>William Scherer</u>											
Signature 											
Month Day Year <u>2</u> <u>27</u> <u>20</u>											
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 <u>Dunade</u>											
Signature 											
Month Day Year <u>12</u> <u>12</u> <u>20</u>											

Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008

Ph: (732) 541-8909 Fax: (732) 541-8105

Ticket: 700001376782

	Date	Time	Scale
In:	3/26/2020	08:38:00	Scale CE
Out:	3/26/2020	08:38:08	P.T.

Manifest: 2377669
Vehicle ID: 07VAL277
Vehicle Permit:
Customer: DALE TRANSFER CORP

	Lbs	Tns
Gross:	76540	38.27
Tare:	28360	14.18
Net:	48180	24.09

Generator: Dale Transfer Corp.
Gen Address: 129 Dale Street
West Babylon, NY 11704

Facility Approval#: 203070423

Job Name: Dale Transfer
Job Address: 129 Dale Street

West Babylon, NY 11704
Quantity Unit

Origin Materials & Services

Suffolk, Soil Treatment Type II

24.09 Tns

Contaminate Type: 2 Oil

Treatment Type: Bio

Fac Waste Code: Petroleum Contaminated Soil

Storage Area: Not Applicable

Comment:

Driver: _____

Facility: _____
Gibson, Barry

GENERATOR



Manifest # 2377669

GLOBAL JOB NUMBER: 157054

FACILITY APPROVAL NUMBER: 203070423

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: Dale Transfer 129 Dale Street West Babylon, NY 11704	GROSS WEIGHT: ☐ Tons ☐ Yards
GENERATOR'S PHONE: Steve Plofker 516-351-1879	TARE WEIGHT: ☐ Tons ☐ Yards
	NET WEIGHT: ☐ Tons ☐ Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION/AUTHORIZED AGENT - 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: A. M. M. S. S. S. Title: Operator
Signature: [Signature] Date and Time: 3-26-20 7:10 PM

TRANSPORTER

Company: Valiant Contracting, LLC Phone Number: 973-234-5668
Address: 226 Prospect Pt. Rd.
LR Hopatcong, NJ 07849
Driver: TJ Cavanaugh Truck # and License Plate: 977 AW 583E
(Type or Print Clearly) SW Haulers Permit #: 806
(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: 3/26/20

DESTINATION

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

Driver Signature: [Signature] Date and Time: 3/26/20

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

Authorized Signature: [Signature] Date and Time: 3/26/20

GENERATOR



PERMIT

Under the Environmental Conservation Law (ECL)

Permittee and Facility Information

Permit Issued To:

DALE TRANSFER CORP
129 DALE ST
WEST BABYLON, NY 11704
(516) 351-1879

Facility:

DALE TRANSFER CORP
129 DALE ST
WEST BABYLON, NY 11704

Facility Application Contact:

EUGENE G KEMPEY
KEMPEY ENGINEERING
4 BRUNSWICK DR
EAST NORTHPORT, NY 11731
(631) 368-3324

Facility Location: in BABYLON in SUFFOLK COUNTY

Facility Principal Reference Point: NYTM-E: 635.7 NYTM-N: 4510.3

Latitude: 40°43'56.9" Longitude: 73°23'34.8"

Project Location: 129 Dale Street, West Babylon

Authorized Activity: Operate a solid waste management facility authorized to receive and transfer nonhazardous industrial liquid waste at a maximum of 77,000 gallons per day (based on a weekly average), as well as nonhazardous solid waste, petroleum contaminated soil, and incidental construction and demolition debris at a maximum of 300 cubic yards per day (based on a weekly average). Material will be consolidated and then transferred off site for recycling or disposal at a permitted facility. Waste will not be treated at the facility.

Solid Waste Management Facility No.: 52W126

Permit Authorizations

Solid Waste Management - Under Article 27, Title 7

Permit ID 1-4720-03277/00001

Renewal

Effective Date: 6/20/2013

Expiration Date: 6/19/2018

Modification # 1

Effective Date: 5/28/2014

Expiration Date: 6/19/2018

Modification # 2

Effective Date: 10/26/2015

Expiration Date: 10/26/2020



NYSDEC Approval

By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the ECL, all applicable regulations, and all conditions included as part of this permit.

Permit Administrator: ROGER EVANS, Regional Permit Administrator
Address: NYSDEC Region 1 Headquarters
SUNY @ Stony Brook 50 Circle Rd
Stony Brook, NY 11790 -3409

Authorized Signature: _____

Date 10/28/15

Distribution List

EUGENE G KEMPEY
Materials Management
CLAIRE K WERNER

Permit Components

SOLID WASTE MANAGEMENT PERMIT CONDITIONS

GENERAL CONDITIONS, APPLY TO ALL AUTHORIZED PERMITS

NOTIFICATION OF OTHER PERMITTEE OBLIGATIONS

SOLID WASTE MANAGEMENT PERMIT CONDITIONS

1. **Conformance With Plans** All activities authorized by this permit must be in strict conformance with the permit application, plans and materials prepared by the permittee or the permittee's consultant on the date(s) specified in Special Condition #2.
2. **Terms of Operation, Approval for Changes** The facility shall be operated in conformance with:
 - a. Terms and conditions of this permit;
 - b. Current 6 NYCRR Part 360 Solid Waste Management Facilities regulations, or any revisions hereafter promulgated;
 - c. The approved Engineering Reports, Operation and Maintenance Manual, and related documents prepared by Kempey Engineering, dated May 6, 2015 (final draft).

d. The permittee shall submit an updated and revised Engineering Report, Operations and Maintenance Manual, and related documents, for permit modification within 6 months from the date of post-construction facility startup. These documents shall include any and all operational changes or modifications that may have occurred during the first 6 months of facility startup.

Any revision to the above approved documents identified in item (c) of this condition or to the operations at this site requires prior written approval from the Department. The permittee shall not add a facility component that would otherwise qualify as an exempt or registered facility, unless the permittee first receives a modified permit to incorporate the additional component of the operation.

If any of the above documents conflict with any condition of this permit, the permit condition shall prevail.

3. Construction Requirements The permittee shall construct the following facility improvements:

- a. Facility improvements shall be constructed in accordance with the approved Engineering Report and related documents.
- b. The permittee shall provide the Department with a proposed construction schedule within thirty days from the date of permit issuance.
- c. Notice of commencement of all major portions of construction must be given to the Department at least seven days in advance of the activity.
- d. A Construction Certification Report shall be submitted by a NYS licensed professional Engineer not more than forty-five days following completion of construction.

4. Authorized Activity The permittee is authorized to receive and transfer nonhazardous industrial liquid waste at a maximum of 12,000,000 gallons per year with a maximum daily capacity of 77,000 gallons per day (based on a weekly average); as well as nonhazardous solid waste, petroleum contaminated soil, and incidental construction and demolition debris at a maximum of 45,000 cubic yards per year with a maximum daily capacity of 300 cubic yards per day (based on a weekly average). Material will be consolidated and then transferred off site for recycling or disposal at a permitted facility. Waste will not be treated at the facility.

Authorized wastes types are limited to following (as specified in Appendix G of the Engineering Report submitted by Kempey Engineering dated May 5, 2015): bottom ash, fly ash, other combustion residue, various water and wastewater treatment waste, sludge, grit, screenings, septage, storm drain and catch basin cleanout waste, septic system cleanout waste, oil soaked debris, solids and/or sludge containing oil (less than 50 PPM of PCB), tank bottoms - fuel oil, tank bottoms - gasoline (unleaded), tank bottoms - others, all nonhazardous sludges, clay filter acids, chemically contaminated (debris, dirt, soil, or sand), core sand, diatomaceous earth, fatty esters, acids, oils, grease trap waste, other nonhazardous miscellaneous wastes; consolidated nonhazardous waste stream from brokers, processing facilities, contactors, commercial/industrial facilities and sources (meeting the waste acceptance criteria); nonfriable asbestos waste, products for defacing and destruction according to manufacturer requirements to insure proper disposal, and incidental uncontaminated construction and demolition debris.



~~5. Unacceptable Wastes~~ The permittee is prohibited from accepting the following type(s) of waste: hazardous waste, regulated medical waste, radioactive waste, friable asbestos waste (asbestos waste as defined by 6 NYCRR Part 360), municipal solid waste, and yard waste. The permittee shall also not accept waste of unknown origin under any circumstance.

6. Waste Handling The permittee shall comply with the following requirements:

- a. All activities, including but not limited to loading, unloading, sorting, processing, and storage, shall be performed inside the enclosed building.
- b. At the end of each workday the facility and tipping areas shall be cleaned of any solid waste. All overnight storage of solid waste shall be in its respective storage area.
- c. Nonhazardous liquid waste and nonhazardous solid waste, including petroleum contaminated soil, and incidental uncontaminated construction and demolition debris shall not remain at the facility for more than 30 calendar days from receipt.
- d. Recyclables recovered from uncontaminated construction and demolition debris shall not be at the facility for more than 60 calendar days from receipt.
- e. The high speed doors, as well as the other doors, must remain closed at all times, except when personnel, trucks or equipment enter or exit the building.
- f. All incoming and outgoing loads must be free from leaking liquid. All transportation vehicles must be watertight, leak resistant, and, if applicable, covered at all times during transportation.

7. Maximum Quantity Onsite The permittee shall not exceed the following quantities onsite:

- a. 19,530 gallons of nonhazardous liquid waste (14,250 gallons in the two aboveground storage tanks and 5,280 gallons in 55 gallon drums in the drum storage area should all drums contain liquid waste).
- b. 464 cubic yards of nonhazardous solid waste, including petroleum contaminated soil, and incidental uncontaminated construction and demolition debris (438 cubic yards in the bulk material storage area and 26 cubic yards in 55 gallon drums in the drum storage area should all of the drums contain nonhazardous solid waste, including petroleum contaminated soil).
- c. 96 drums of waste in the drum storage area.
- d. 20 cubic yards of recyclables recovered from uncontaminated construction and demolition debris.

8. Analytical Sampling Requirements All inbound waste shall be subject to the screening and analytical sampling requirements specified in the approved Waste Acceptance Plan, Engineering Report, and Operations and Maintenance Manual.



9. Hours of Operation Hours of operation shall not conflict with any local laws or ordinances. The permittee shall limit the hours and days of operations from 5 AM to 7 PM, Monday through Saturday. The facility is authorized to operate at times outside the above-mentioned hours when providing emergency response services.

10. Signs The permittee shall post signs showing hours of operation, and indicating that hazardous waste, regulated medical waste, radioactive waste, municipal solid waste, yard waste, and friable asbestos waste are prohibited from being accepted at the facility. The signs shall be located so that they are visible to any vehicles and/or person approaching the facility.

11. Waste Control An attendant shall be on duty during all hours of operation. The attendant shall inspect all vehicles entering the facility, rejecting any loads containing unauthorized material.

12. Control of Nuisance Conditions Odors, dust, insects, vectors, noise, blowing litter and other potential nuisances shall be adequately controlled at all times. The permittee shall immediately implement any controls required by the Department including cessation of facility operations.

13. Fire Protection and Detection The permittee shall maintain fire protection and detection equipment in accordance with local laws and ordinances.

14. Cessation of Operations The permittee shall verbally notify the Department within 18 hours of any occurrence of any event which causes the facility to cease operation for a period of 48 hours or more. Such an event would include a fire, spill, equipment breakdown, or similar event. A written report shall be submitted to the Department within 7 days of the event.

15. Ultimate Disposal of Waste All solid waste passing through the facility must be ultimately disposed of at a facility authorized by the Department if located in New York State, or by the appropriate governmental agency or agencies if in other states, territories, or nations.



16. Unauthorized Waste In the event that any hazardous waste, medical waste, or other regulated waste not allowed under this permit is accepted at the facility, the unauthorized waste shall be contained and properly secured immediately. The permittee shall notify the Department and the Suffolk County Department of Health Services within 24 hours of the event. The waste material shall be removed by a waste transporter authorized under 6 NYCRR Part 364 to transport such waste. A written report shall be submitted to the Department within 7 days of the event.

17. Small Spill Containment The facility shall keep available at the site equipment and materials necessary to contain small quantities of chemicals or spills. These materials shall be stored in well identified accessible storage areas. As a minimum, the following must be available at all times:

- 4 - 55 gallon drums with covers and securing rings
- 400 lbs. absorbent material (e.g. Speedi-Dri)
- 50 lbs. Boric Acid
- 50 lbs. Sodium Bicarbonate
- Assorted brooms, shovels, gloves, masks, and other protective gear

18. Maintenance and Repair of Facility The permittee shall adequately maintain and make repairs to the facility as necessary. This includes any part of the facility, such as doors to buildings; odor and dust controls and equipment; punctures, holes, or other damage to buildings; minimizing the ponding of stormwater; and concrete and/ or asphalt pavement that becomes damaged or worn.

The permittee shall undertake all repairs immediately and have all work completed within one week. Repairs related to dust or odor controls must be completed within 24 hours. If the permittee is unable to complete repairs within the specified time outlined by this condition, the permittee shall provide an acceptable schedule to the Department which shall include a description of the work to be completed and any controls that will be implemented to ensure the facility remains in compliance with this permit, including the cessation of all or part of the facility operations:

19. Comprehensive Recycling Analysis The permittee must not accept at the facility waste which was generated within a municipality which has either not completed a Comprehensive Recycling Analysis (CRA) or is not included in another municipality's CRA satisfying the requirements of 6NYCRR Part 360-1.9(f) which has been approved by the Department and implemented the recyclables recovery program determined to be feasible by the analysis.

20. Recordkeeping Requirements The permittee shall maintain the following records at the facility for 7 years from the date of creation and be available immediately to the Department upon request:

a. Daily log of waste received and transported from the facility which includes:

- i. Type, quantity, and origin of the waste received.
- ii. Quantity and destination of all recyclables.
- iii. Quantity and destination of all non-recyclables and residuals transported for disposal.

b. All weight tickets, hauling receipts, disposal receipts, invoices, tracking documents, etc. to support entries made into the daily log.

21. Reporting Requirements The permittee shall submit the original copy of the annual report to the Region 1 Office located at the New York State Department of Environmental Conservation, Division of Materials Management, 50 Circle Road, SUNY @ Stony Brook, NY 11790, and a copy to the Central Office at New York State Department of Environmental Conservation, Division of Materials Management, Bureau of Permitting and Planning, 625 Broadway, 9th Floor, Albany, NY 12233-7253. The report must be submitted no later than March 1 following each year of operation on forms prescribed by or acceptable to the Department.

22. Financial Assurance The permittee shall maintain the financial assurance in the amount of \$267,817. The Department reserves the right to adjust the amount of the financial assurance in the future to account for increases in closure costs, and for non-compliance with any conditions of this permit and any requirement of 6 NYCRR Part 360.

In the event that the permittee fails to maintain financial assurance as required by this permit, the permittee must immediately cease accepting solid waste until financial assurance acceptable to the Department is in place. Within 10 days from the cessation of the required financial assurance, the permittee shall have all solid waste, including recovered recyclables, removed from the facility and the facility shall be in "broom clean" condition.



23. Onsite Environmental Monitor (OEM) The onsite environmental monitor (OEM) shall be maintained as follows:

a. The permittee shall fund environmental monitoring services to be performed by the Department. These monitoring services will include, but not be limited to, the following:

1. Monitoring of operations directly related to the permittee to ensure compliance with appropriate regulations. Such monitoring will include any other facility owned or operated by the permittee, the permittee's parent company/entity, etc.
2. Provide inspections and compliance monitoring to the permittee's facility(ies), including construction inspections.
3. Provide monitoring to the surrounding area to monitor facility impacts.
4. Respond to complaints
5. Offer technical assistance to the permittee, and answer questions from the public.
6. Maintain files and databases.
7. Review annual reports, permit applications, permit modifications, and other submittals to the Department.
8. Prepare documentation for enforcement actions.

b. Funds necessary to support the monitoring services and requirements for the coming year shall be provided to the Department by the permittee on an annual basis. The sum to be provided is based on annual environmental monitoring service costs of the Department and is subject to annual revision. Subsequent annual payments shall be made for the duration of this permit or until the monitoring requirement no longer exists, whichever comes first.

c. The permittee shall be billed annually for each fiscal year beginning on April 1. If this permit is to first become effective subsequent to April 1, the initial payment may be for an amount sufficient to meet the anticipated cost of the monitoring through the end of the current fiscal year.



- d. The Department may revise the required payment on an annual basis to include all of the Department's costs associated with the monitoring services. The annual revision may take into account such factors as inflation, salary increases, changes in operating hours and procedures, and increase or decrease in the amount of monitoring necessary. Upon written request by the permittee, the Department shall provide the permittee with a written explanation of the basis for any revision or modification. If such a revision is required, the Department will notify the permittee of such a revision no later than 60 days in advance of such revision.
- e. Prior to making its annual payment, the permittee will receive, and have an opportunity to review, an annual work plan that the Department will undertake during the year.
- f. Payments are to be in advance of the period in which they will be expended, and shall be made within 30 days of receiving a bill from the Department. Payment shall be addressed to:
- NYSDEC
Bureau of Accounting
625 Broadway
Albany, NY 12233-5012
Attn: Bureau Chief of Revenue Accounting
- g. Failure to make the required payments shall be a violation of this permit. The State reserves all rights to take appropriate action to enforce the above payment provisions.

GENERAL CONDITIONS - Apply to ALL Authorized Permits:
--

1. Facility Inspection by The Department The permitted site or facility, including relevant records, is subject to inspection at reasonable hours and intervals by an authorized representative of the Department of Environmental Conservation (the Department) to determine whether the permittee is complying with this permit and the ECL. Such representative may order the work suspended pursuant to ECL 71- 0301 and SAPA 401(3).

The permittee shall provide a person to accompany the Department's representative during an inspection to the permit area when requested by the Department.



A copy of this permit, including all referenced maps, drawings and special conditions, must be available for inspection by the Department at all times at the project site or facility. Failure to produce a copy of the permit upon request by a Department representative is a violation of this permit.

2. Relationship of this Permit to Other Department Orders and Determinations Unless expressly provided for by the Department, issuance of this permit does not modify, supersede or rescind any order or determination previously issued by the Department or any of the terms, conditions or requirements contained in such order or determination.

3. Applications For Permit Renewals, Modifications or Transfers The permittee must submit a separate written application to the Department for permit renewal, modification or transfer of this permit. Such application must include any forms or supplemental information the Department requires. Any renewal, modification or transfer granted by the Department must be in writing. Submission of applications for permit renewal, modification or transfer are to be submitted to:

Regional Permit Administrator
NYSDEC Region 1 Headquarters
SUNY @ Stony Brook|50 Circle Rd
Stony Brook, NY 11790 -3409

4. Submission of Renewal Application The permittee must submit a renewal application at least 180 days before permit expiration for the following permit authorizations: Solid Waste Management.

5. Permit Modifications, Suspensions and Revocations by the Department The Department reserves the right to exercise all available authority to modify, suspend or revoke this permit. The grounds for modification, suspension or revocation include:

- a. materially false or inaccurate statements in the permit application or supporting papers;
- b. failure by the permittee to comply with any terms or conditions of the permit;
- c. exceeding the scope of the project as described in the permit application;
- d. newly discovered material information or a material change in environmental conditions, relevant technology or applicable law or regulations since the issuance of the existing permit;
- e. noncompliance with previously issued permit conditions, orders of the commissioner, any provisions of the Environmental Conservation Law or regulations of the Department related to the permitted activity.

6. Permit Transfer Permits are transferrable unless specifically prohibited by statute, regulation or another permit condition. Applications for permit transfer should be submitted prior to actual transfer of ownership.

NOTIFICATION OF OTHER PERMITTEE OBLIGATIONS

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

The permittee, excepting state or federal agencies, expressly agrees to indemnify and hold harmless the Department of Environmental Conservation of the State of New York, its representatives, employees, and agents ("DEC") for all claims, suits, actions, and damages, to the extent attributable to the permittee's acts or omissions in connection with the permittee's undertaking of activities in connection with, or operation and maintenance of, the facility or facilities authorized by the permit whether in compliance or not in compliance with the terms and conditions of the permit. This indemnification does not extend to any claims, suits, actions, or damages to the extent attributable to DEC's own negligent or intentional acts or omissions, or to any claims, suits, or actions naming the DEC and arising under Article 78 of the New York Civil Practice Laws and Rules or any citizen suit or civil rights provision under federal or state laws.

Item B: Permittee's Contractors to Comply with Permit

The permittee is responsible for informing its independent contractors, employees, agents and assigns of their responsibility to comply with this permit, including all special conditions while acting as the permittee's agent with respect to the permitted activities, and such persons shall be subject to the same sanctions for violations of the Environmental Conservation Law as those prescribed for the permittee.

Item C: Permittee Responsible for Obtaining Other Required Permits

The permittee is responsible for obtaining any other permits, approvals, lands, easements and rights-of-way that may be required to carry out the activities that are authorized by this permit.

Item D: No Right to Trespass or Interfere with Riparian Rights

This permit does not convey to the permittee any right to trespass upon the lands or interfere with the riparian rights of others in order to perform the permitted work nor does it authorize the impairment of any rights, title, or interest in real or personal property held or vested in a person not a party to the permit.



State of New Jersey

CHRIS CHRISTIE
Governor

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BOB MARTIN
Commissioner

KIM GUADAGNO
Lt. Governor

Division of Solid & Hazardous Waste
Bureau of Recycling & Hazardous Waste Management
401 East State Street
P.O. Box 420, Mail Code 401-02C
Trenton, NJ 08625-0420
Tel (609) 984-3438 Fax (609) 777-1951/984-0565
www.nj.gov/dep/dshw/recycling

August 31, 2017

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

John Eshelman, Manager
Clean Earth of Carteret, LLC
24 Middlesex Avenue
Carteret, NJ 07008

Re: Renewal of Class B Recycling Center General Approval
Clean Earth of Carteret, LLC
Borough of Carteret, Middlesex County
Facility ID No: 132310
Permit No.: CBG160002

Dear Mr. Eshelman:

Please be advised that the New Jersey Department of Environmental Protection, Division of Solid and Hazardous Waste, Bureau of Recycling and Hazardous Waste Management (Bureau) has reached a final determination to renew the above Class B Recycling Center General Approval. Enclosed is a copy of the final document.

Should you wish to contest any of the conditions of the enclosed general approval, you must file a request for an adjudicatory hearing within twenty (20) days of the date you receive this decision notice in accordance with the procedures found in N.J.A.C. 7:26A-3.14. A copy of the request should also be mailed to this office.

If you have any questions concerning this matter, please contact Nick Nader at (609) 984-2067 or nicholas.nader@dep.nj.gov.

Sincerely,

Zafar M. Billah, Acting Chief
Bureau of Recycling & Hazardous Waste Management

Enc.

C(w/enc.): *Tom Farrell, Chief, Bureau of Solid Waste Compliance and Enforcement
 *Paul Smith, Supervisor, BSWC&E – Central Region
 Les Jones, Middlesex County Health Officer
 Christopher Sikorski, Middlesex County Solid Waste Coordinator
 Kathleen M. Barney, Municipal Clerk, Borough of Carteret

*By e-mail only



State of New Jersey

CHRIS CHRISTIE
Governor

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BOB MARTIN
Commissioner

KIM GUADAGNO
Lt. Governor

Division of Solid & Hazardous Waste
Bureau of Recycling & Hazardous Waste Management
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P.O. Box 420, Mail Code 401-02C
Trenton, NJ 08625-0420
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RECYCLING CENTER GENERAL APPROVAL FOR CLASS B RECYCLABLE MATERIALS

Under the provisions of N.J.S.A. 13:1E-1 et seq. and N.J.S.A. 13:1E-99.11 et seq., known as the Solid Waste Management Act and New Jersey Statewide Mandatory Source Separation and Recycling Act, respectively, and pursuant to N.J.A.C. 7:26A-1 et seq., known as the Recycling Regulations, this approval is hereby issued to:

Clean Earth of Carteret, LLC

Facility Type:	Recycling Center for Class B Materials
Lot & Block No.:	3.02/1
Municipality:	Borough of Carteret
County:	Middlesex
Facility ID No.:	132310
Permit No.:	CBG160002

This General Approval is subject to compliance with all conditions specified herein and all regulations promulgated by the Department of Environmental Protection (Department).

This General Approval shall not prejudice any claim the State may have to riparian land nor does it allow the registrant to fill or alter, or allow to be filled or altered, in any way, lands that are deemed to be riparian, wetlands, stream encroachment or flood plains, or within the Coastal Area Facility Review Act (CAFRA) zone or are subject to the Pinelands Protection Act of 1979, nor shall it allow the discharge of pollutants to waters of this State without prior acquisition of the necessary grants, permits, or approvals from the Department of Environmental Protection.

August 31, 2017
Issuance Date

March 7, 2022
Expiration Date

Zafar M. Billah, Acting Chief
Bureau of Recycling & Hazardous Waste Management

Scope of Approval

This General Approval (approval), along with the referenced application documents herein specified, shall constitute the sole approval of Recycling Center operations for Class B Recyclable Material (petroleum contaminated soil, street sweepings, brick, block, concrete, stone, rock, and asphalt) by Clean Earth of Carteret, LLC, located in the Borough of Carteret, Middlesex County, New Jersey. Any registration, approval or permit previously issued by the Division of Solid and Hazardous Waste, or its predecessor agencies, for the specific activities as described below and as conditioned herein, is hereby superseded.

Regulated Activities at the Facility

Items 1 through 39 of this approval contain the general conditions applicable to all recycling centers. Items 40 through 87 of this approval contain the operating requirements specific to the recycling center for receipt, storage, processing, or transfer of Class B recyclable materials including non-hazardous petroleum contaminated soils. Items 88 through 91 of this approval are the sampling requirements for testing the street sweepings. Items 92 through 101 of this approval contain the conditions for the aggregate crushing operations.

Facility Description

The recycling center is a Class B facility owned and operated by Clean Earth of Carteret, LLC. The recycling center is located at 24 Middlesex Avenue on Block 1, Lot 3.02, in Borough of Carteret, Middlesex County. This regional recycling center receives petroleum contaminated soil from soil remediation contractors and street sweepings from municipalities. The recycling center is authorized to receive, process and transfer brick, block, concrete, stone, rock, and asphalt from construction and demolition contractors, construction companies, municipalities, and counties. Hours of operation for the receipt, treatment/processing and transferring source separated recyclable material can occur 24 hours per day, 7 days per week. The operation of the crushers shall be limited to: 7:00 a.m. to 7:00 p.m., Monday through Friday and Saturdays from 7:00 a.m. to 4:00 p.m.

The recycling center is also utilized for finished product storage and equipment storage as shown on the site plan. The recycling center markets clean soil and dense graded aggregate from the site.

When the Approval was last renewed on October 27, 2014 by the Division of Solid and Hazardous Waste, some of the authorized equipment, described in Requirement #94, were inadvertently omitted. Requirement #94 has been revised to include an actual list of authorized equipment.

Approved General Approval Application and Associated Documents

The registrant shall construct and operate the facility in accordance with N.J.A.C. 7:26A-1 *et seq.*, the conditions of this Approval, and the following documents:

- a) Site plan entitled "As-Built Site Map Clean Earth of Carteret, Carteret, Middlesex County, NJ", prepared by Bradley J. Cunningham, P.E. of Compliance Plus Services, Inc., dated May 9, 2014 and last revised May 2, 2017.
- b) Clean Earth of Carteret, Submittal of signed transfer agreement, prepared and signed by Michael D. Logan, Vice President, Compliance Plus Services, dated May 22, 2003.
- c) Plan SB-01 entitled "Unprocessed PHC Soil Storage Building Layout, Clean Earth of Carteret, LLC, Carteret, Middlesex County, New Jersey", prepared by Bradley J. Cunningham, P.E., of Compliance Plus Services, Inc., dated May 2, 2014.
- d) Clean Earth of Carteret, Inc., Request to utilize cement kiln dust or lime as a drying agent to remove moisture from its treated soils, prepared and signed by Michael D. Logan, Vice President, Compliance Plus Services, dated December 27, 2006.
- e) Notification of Proposed Stock Purchase of Clean Earth Holdings, Inc. dated August 20, 2014 and prepared by Michael D. Logan, Vice President of Compliance Plus Services, Inc.
- f) Class B Recycling Center General Permit Renewal and Modification Application for the Acceptance of Restricted Use Aggregate ("RUA") and Direct Reuse Soils ("DRS SOILS"), dated March 5, 2012, prepared by Michael D. Logan, Vice President of Compliance Plus Services, Inc.
- g) Class B Recycling Center General Approval Renewal Application, dated June 10, 2014, and prepared by Michael D. Logan, Vice President of Compliance Plus Services, Inc. This Renewal of the Application does not include any modification approval requested to the proposed acceptance and processing of Direct Reuse of Soils (DRS) and Restricted Reuse Aggregate (RUA) referenced in the Compliance Plus Services, Inc. letter dated March 5, 2012.
- h) Class B Recycling Center Renewal Application of General Approval dated November 21, 2016 and signed by Michael D. Logan, Vice President – Environmental Services, Compliance Plus Services, Inc. and including the following:
 - 1. Ground Lease Agreement dated November 1, 2010;
 - 2. List of Permitted Equipment; and
 - 3. Certification dated November 21, 2016, signed by Christopher Dods, President – Clean Earth of Carteret and certifying that there have been no changes in the operations of the recycling since the most recent Approval modification.
- i) Supplemental information dated February 17, 2017 and signed by Michael D. Logan, Compliance Plus Services.

In case of conflict, the provisions of N.J.A.C. 7:26A-1 *et seq.* shall have precedence over the conditions of this Approval, and the conditions of this Approval shall have precedence over plans and specifications listed above.

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1. All persons issued a general approval to operate a recycling center for Class B, Class C and/or Class D recyclable material pursuant to N.J.A.C. 7:26A-1 et seq. shall comply with all conditions of the approval [N.J.A.C. 7:26A-3.1(a)]
2. The holder of this general approval shall prominently post and maintain a legible sign, at or near the entrance to the recycling center, indicating that the recycling center is an approved New Jersey Department of Environmental Protection recycling center. The sign shall also indicate the following: Hours of operation of the recycling center; Listing of the source separated materials to be received; The size, weight, or other restrictions regarding materials to be received; The maximum amount of contaminants allowed in each load; Warning that loads will be inspected and will be barred from offloading if the contaminant level is exceeded; and Notice that the person offloading shall certify the amount of material per load, municipality of origin of the material and any other information contained on the Recyclable Material Receipt Form [N.J.A.C. 7:26A-3.5(f)]
3. Application for renewal of this general approval shall be submitted at least three months prior to expiration of the current approval and shall comply with all requirements for renewal set forth in N.J.A.C. 7:26A-3.6 et seq. One copy of the application for renewal of the general approval shall be submitted by the applicant to the municipal clerk of the municipality in which the recycling center is located, and to the solid waste or recycling coordinator of the county in which the recycling center is located [N.J.A.C. 7:26A-3.6(a)]
4. The applicant for renewal of this general approval shall certify in writing to the Department that there have been no changes in the operations of the recycling center since the issuance of the general approval in order to renew the approval in its existing form. In the event that there have been changes in the operations of the recycling center or where changes are planned, the application for renewal of a general approval shall be accompanied by a written request to modify the general approval in accordance with N.J.A.C. 7:26A-3.10 [N.J.A.C. 7:26A-3.6(b)]
5. In a case where the holder of this general approval does not comply with N.J.A.C. 7:26A-3.6(a) and (b) and continues to operate without renewal of the general approval, the Department may take enforcement action including the assessment of penalties under N.J.S.A. 13:1E-9; require the holder of this general approval to file an application as a new applicant for a general approval in accordance with N.J.A.C. 7:26A-3.2 and pay the application fee as per N.J.A.C. 7:26A-2; and/or take any other appropriate actions [N.J.A.C. 7:26A-3.6(c)]
6. All persons granted a renewal pursuant to N.J.A.C. 7:26A-3.6(d) shall continue to pay the annual fee as specified in N.J.A.C. 7:26A-2 [N.J.A.C. 7:26A-3.6(h)]
7. The holder of this general approval shall obtain prior approval from the Department for any modification of the general approval [N.J.A.C. 7:26A-3.10(a)]
8. Any change affecting the conditions of this general approval requires the prior approval of the Department [N.J.A.C. 7:26A-3.10(b)1]
9. Any change to the information submitted pursuant to N.J.A.C. 7:26A-3.2(a), 3.4, 3.8, 3.18, 3.19 or 3.20 requires the prior approval of the Department, except that changes in end-market information submitted pursuant to N.J.A.C. 7:26A-3.2(a) 7 shall not require the prior approval of the Department but shall be handled in accordance with N.J.A.C. 7:26A-3.10(f). [N.J.A.C. 7:26A-3.10(b)2]

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10. The holder of this general approval shall notify the Department in writing of the intended modification and shall update the information submitted pursuant to N.J.A.C. 7:26A-3.2(a), 3.4, 3.8, 3.18, 3.19 or 3.20. The holder of this general approval shall also provide written notice to the solid waste or recycling coordinator of the applicable county of any request to modify a general approval. [N.J.A.C. 7:26A-3.10(c)]
11. The holder of this general approval shall not institute the modification until it receives written approval from the Department [N.J.A.C. 7:26A-3.10(e)]
12. Within one week of any change to the end-market information submitted to the Department pursuant to N.J.A.C. 7:26A-3.2(a)7, the holder of this general approval shall submit to the Department a written notification which details any change in the use of the recyclable material transferred from the recycling center to an end-market or in the end-market location to which the recyclable material is transferred. The written notification shall be sent to: New Jersey Department of Environmental Protection, Division of Solid and Hazardous Waste, Bureau of Recycling & Hazardous Waste Management, 401 East State Street, P.O. Box 420, Mail Code 401-02C, Trenton, New Jersey 08625-0420. [N.J.A.C. 7:26A- 3.10(f)]
13. The Department may revoke this general approval upon a determination that the holder of the general approval has violated any provision of N.J.S.A. 13:1E-1 et seq., the New Jersey Statewide Mandatory Source Separation and Recycling Act, or any rule, regulation or administrative order promulgated pursuant to N.J.S.A. 13:1E-1 et seq. and the New Jersey Statewide Mandatory Source Separation and Recycling Act [N.J.A.C. 7:26A-3.13(a)1]
14. The Department may revoke this general approval upon a determination that the holder of the general approval has violated any solid waste utility law at N.J.S.A. 48:2-1 et seq. or 48:13A-1 et seq., or any rule, regulation or administrative order promulgated pursuant to N.J.S.A. 48:2-1 et seq. or 48:13A-1 et seq [N.J.A.C. 7:26A-3.13(a)2]
15. The Department may revoke this general approval upon a determination that the holder of the general approval has violated any provision of any laws related to pollution of the waters, air or land surfaces of the State or of any other State or Federal environmental laws including criminal laws related to environmental protection [N.J.A.C. 7:26A-3.13(a)3]
16. The Department may revoke this general approval upon a determination that the holder of the general approval has refused or failed to comply with any lawful order of the Department [N.J.A.C. 7:26A-3.13(a)4]
17. The Department may revoke this general approval upon a determination that the holder of the general approval has failed to comply with any of the conditions of this general approval issued by the Department [N.J.A.C. 7:26A-3.13(a)5]
18. The Department may revoke this general approval upon a determination that the holder of the general approval has transferred a general approval to a new owner or operator pursuant to N.J.A.C. 7:26A-3.15 without the prior approval of the Department [N.J.A.C. 7:26A-3.13(a)6]
19. The Department may revoke this general approval upon a determination that the holder of the general approval has failed to obtain any required permit or approval from the Department or other State or Federal agency [N.J.A.C. 7:26A-3.13(a)7]

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20. The Department may revoke this general approval upon a determination that the holder of the general approval has committed any of the acts which are criteria for denial of a general approval set forth in N.J.A.C. 7:26A-3.12. [N.J.A.C. 7:26A-3.13(a)8]
21. This general approval shall not be transferred to a new owner or operator without the Department's prior approval [N.J.A.C. 7:26A-3.15(a)]
22. A written request for permission to allow a transfer of this general approval must be received by the Department at least 60 days in advance of the proposed transfer of ownership or operational control of the recycling center. The request for approval shall include the following: the name, address and social security number of all prospective new owners or operators; a written certification by the proposed transferee that the terms and conditions contained in the general approval will be met by the proposed transferee; and a written agreement between the current owner or operator of the recycling center and the proposed new owner or operator containing a specific future date for transfer of ownership or operational control [N.J.A.C. 7:26A-3.15(a)1]
23. A new owner or operator may commence operations at the recycling center only after the existing approval has been revoked and a new approval is issued to the new owner or operator pursuant to N.J.A.C. 7:26A-3.5 [N.J.A.C. 7:26A-3.15(a)2]
24. The holder of this general approval remains liable for ensuring compliance with all conditions of the approval unless and until the existing approval is revoked and a new approval is issued to the new owner or operator pursuant to N.J.A.C. 7:26A-3.5 [N.J.A.C. 7:26A-3.15(a)3]
25. Compliance with the transfer requirements set forth at N.J.A.C. 7:26A-3.15 shall not relieve the holder of this general approval from the separate responsibility of providing notice of such transfer pursuant to the requirements of any other statutory or regulatory provision [N.J.A.C. 7:26A-3.15(a)4]
26. The transfer of a controlling interest in the stock or assets of the recycling center that is the subject of this general approval shall constitute a transfer of this general approval [N.J.A.C. 7:26A-3.15(b)]
27. The holder of this general approval shall maintain a daily record of the amounts of each recyclable material by type and municipality of origin which are received, stored, processed or transferred each day, expressed in tons, cubic yards, cubic feet or gallons. Those operators specifying this information in cubic yards shall also indicate the conversion ratio of the materials from cubic yards to tons [N.J.A.C. 7:26A-3.17(a)1]
28. The holder of this general approval shall maintain a daily record of the name, address and telephone number of the end-markets for all recyclable materials transported from the recycling center, including the amounts, in tons, cubic yards, cubic feet or gallons, transported to each end-market. Those persons specifying this information in cubic yards shall also indicate the conversion ratio of the materials from cubic yards to tons [N.J.A.C. 7:26A-3.17(a)2]
29. The holder of this general approval shall maintain a daily record of the amount of residue disposed of, expressed in tons, cubic yards, cubic feet or gallons, including the name and New Jersey Department of Environmental Protection solid waste registration number of the solid waste collector/hauler contracted to provide the haulage/disposal service. Those persons specifying the amount of residue in cubic yards shall also indicate the conversion ratio of the residue from cubic yards to tons. [N.J.A.C. 7:26A-3.17(a)3]

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30. The holder of this general approval shall retain all Recyclable Material Receipt Forms required pursuant to N.J.A.C. 7:26A-3.2(a)16iii for three calendar years following the calendar year for which an annual report is required pursuant to N.J.A.C. 7:26A-3.17(c) [N.J.A.C. 7:26A-3.17(b)]
31. The holder of this general approval shall submit an annual report containing monthly summary statements of the information required pursuant to N.J.A.C. 7:26A-3.17(a) to the New Jersey Department of Environmental Protection, Division of Solid and Hazardous Waste, on or before March 1 of each year, for the previous calendar year. The summaries shall include the following: monthly totals of the amount of recyclable material received from each customer by municipality of origin; monthly totals of the amount of recyclable product transferred to each end-market; and the amount of residue disposed of during each month. [N.J.A.C. 7:26A- 3.17(c)]
32. The holder of this general approval shall certify in writing to the Department that all residue generated at the recycling center has been disposed of in accordance with the solid waste management rules at N.J.A.C. 7:26. The certification shall be submitted annually as part of the annual report [N.J.A.C. 7:26A-3.17(e)]
33. All information submitted to the Department pursuant N.J.A.C. 7:26A shall be handled in accordance with the requirements of the Public Records law, N.J.S.A. 47:1-1 et seq. The Department will hold confidential all end-market information, as well as information pertaining to the municipality of origin of recyclable material, submitted pursuant to N.J.A.C 7:26A-3.2, 3.7, and 3.17 through 3.20 for a period of two years from the date on which the information is submitted to the Department, where specified as confidential by the applicant and where there are no health, safety or environmental concerns which require the release of the information, as determined by the Department. [N.J.A.C. 7:26A-3.17(f)]
34. The holder of this general approval shall provide a recycling tonnage report by March 1 of each year to all municipalities from which recyclable material is received in the previous calendar year. The report shall detail the amount of each source separated recyclable material, expressed in tons or cubic yards, brought to the recycling center, as well as the date on which the recyclable materials were delivered to the recycling center. Those persons specifying this information in cubic yards shall also indicate the conversion ratio of the materials from cubic yards to tons. [N.J.A.C. 7:26A-4.4(a)]
35. The recycling center shall not commence operations unless and until it is included in the applicable district solid waste management plan [N.J.A.C. 7:26A-4.2]
36. The construction of the recycling center that is the subject of this general approval shall be in conformance with the New Jersey Uniform Construction Code, N.J.S.A. 52:27D-119 et seq., and the rules promulgated pursuant thereto [N.J.A.C. 7:26A-4.1(b)]
37. The New Jersey Department of Environmental Protection or an authorized representative acting pursuant to the County Environmental Health Act, N.J.S.A. 26:3A2-1 et seq. shall have the right to enter and inspect any building or other portion of the recycling center at any time in order to determine compliance with the provisions of all applicable laws or rules and regulations adopted pursuant thereto. This right to inspect includes, but is not limited to: sampling any materials on site; photographing any portion of the recycling center; investigating an actual or suspected source of pollution of the environment; and, ascertaining compliance or non-compliance with the statutes, rules or regulations of the Department, including conditions of the recycling center approval issued by the Department. [N.J.A.C. 7:26-1.7(a)]

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- 38. The right of entry specified at N.J.A.C. 7:26A-1.7(a) shall be limited to normal operating hours for the purpose of reviewing and copying all applicable records, which shall be made available to the Department during an inspection and submitted to the Department upon request. [N.J.A.C. 7:26-1.7(b)]
 - 39. The facility shall comply with the general operating requirements for all Recycling Centers as provided at N.J.A.C. 7:26A-4.1 [N.J.A.C. 7:26A-4]
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Subject Item: RCBG139162 - General Class B & Soil Conditions

- 40. Recycling centers receiving petroleum contaminated soil must have a preparedness and prevention plan. The contingency plan contained in the approved documents must be maintained on-site and updated as necessary. [N.J.A.C. 7:26A- 3.5(e)]
- 41. Upon detection of a release of contaminants to the environment, the facility shall perform the following cleanup steps: stop the release, contain the released contaminants, clean up and manage properly the released contaminants and other materials and if necessary, repair or replace any leaking soil containment systems prior to returning them to service. [N.J.A.C. 7:26A-3.5(e)]
- 42. Upon closure of the facility the owner or operator shall remove or decontaminate petroleum contaminated soils, containment system components, and structures and equipment and manage them as hazardous waste, unless the materials are not hazardous waste under N.J.A.C. 7:26G-5. [N.J.A.C. 7:26A- 3.5(e)]
- 43. All equipment and portions of the facility designated for the storage or processing of petroleum contaminated soils shall be visually inspected each operating day for integrity and leaks. [N.J.A.C. 7:26A-3.5(e)]
- 44. Records shall be maintained for all visual inspections. These records shall document that inspections were performed, any problems found, and the subsequent correction of such problems. All records shall be kept for a minimum of three years. [N.J.A.C. 7:26A-3.5(e)]

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Subject Item: RCBG139162 - General Class B & Soil Conditions

45. The facility shall keep a record of each shipment of petroleum contaminated soil accepted for processing. These records may take the form of a log, invoice, manifest, bill of lading or other shipping documents. All tracking records shall be maintained by the holder of this general approval as required by N.J.A.C. 7:26A-3.2(a) 16iii for three calendar years.

Records for each shipment shall include the following information: the name and address of the transporter who delivered the soil to the facility, the name and address of the generator from whom the soil was sent, the NJDEP registration number of the transporter, EPA ID number (if applicable) of the generator, the quantity of soil accepted and the date of acceptance.

Prior to the receipt of a shipment of soil from a generation source, the holder of this approval shall have received a completed Clean Earth of Carteret Material Characterization Report, as referenced in the approved General Approval Application, and associated documents for that shipment. The report shall include at least the following information: name and address of the generation site, contact information, quantity of soil, type of oil contaminating the soil, contamination source (i.e. underground storage tank, above ground storage tank, spill, historic or other), past use of generation site (i.e. industrial, commercial, residential or historic fill), analytical results conducted on the soil and a certification that the information provided is true and accurate. The holder of this approval shall review the information provided to ensure the shipment complies with the facility's acceptance criteria for soil prior to authorizing acceptance of a shipment. [N.J.A.C. 7:26A- 3.5(e)]

46. The facility shall maintain on-site a written operating record showing analysis records, tracking records, and summary reports of incidents requiring implementation of the contingency plan. This information shall be made available to Department personnel upon request and shall be kept for a minimum of three years. [N.J.A.C. 7:26A-3.5(e)]
47. The following source separated Class B recyclable materials, which have been separated at the point of generation from other waste materials or separated at a permitted solid waste facility authorized to separate recyclable materials, may be received, stored, processed or transferred at this recycling center: NJDOT street sweepings (that meet NJ Non-Residential Direct Contact Soil Remediation Standards) and non-hazardous petroleum contaminated soils which otherwise would be ID 27 if not recycled. Only soil contaminated with the following compounds shall be accepted and processed at this facility: gasoline, kerosene, jet fuel, Numbers 1 through 6 fuel oil, and used oil. Used oil shall be defined as any oil that has been and as a result of such use, is contaminated by physical or chemical impurities. No soils may be accepted that have been contaminated with materials that are other waste materials, or waste by-products, such as sludges. No soils with free petroleum product or other liquids shall be accepted at the facility. For soils containing greater than 17,000 ppm EPH, the soil shall be determined not to contain free liquids by USEPA SW-846, Method 9095. No hazardous waste, as defined by N.J.A.C. 7:26G-5, shall be accepted by the facility. [N.J.A.C. 7:26A- 3.5(e)]
48. At no time shall the receipt, storage, processing, or transferring of non-source separated construction and demolition material be allowed at this recycling center. The prohibition of this material shall be strictly enforced and any incident shall be considered a serious violation to the conditions of this Approval. [N.J.A.C. 7:26A-3.5(e)]

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Subject Item: RCBG139162 - General Class B & Soil Conditions

49. The recycling center may not receive, store, process, or transfer source separated petroleum contaminated soils and NJDOT street sweepings with any other Class B recyclable materials. The commingling of petroleum contaminated soil and NJDOT street sweepings shall only be allowed after the testing requirements identified in this approval have been met. The commingling of any other materials not described above is prohibited. [N.J.A.C. 7:26A-3.5(e)]
50. The maximum amount of contaminants, as defined in N.J.A.C. 7:26A-1.3, allowed in each incoming load of Class B recyclable material shall be limited to 1% by volume. Incidental by-product materials shall not be considered to be contaminants. [N.J.A.C. 7:26A-3.5(e)]
51. Incidental amounts of rebar, metal, soil, and other by-products which adhere to the Class B recyclable materials, as specified in this Approval, and which are returned to the economic mainstream as raw material or products, may be received, stored, processed, or transferred at this recycling center. The receipt of such incidental amounts of these materials need not be separately accounted for, but the storage and end-markets for these materials shall be subject to specific conditions of this Approval. [N.J.A.C. 7:26A-3.5(e)]
52. The holder of this general approval shall operate the recycling center and construct or install associated appurtenances thereto, in accordance with the provisions of N.J.A.C. 7:26A-1 et seq., the conditions of this general approval, and the general approval application documents. [N.J.A.C. 7:26A-3.5(e)]
53. In case of conflict, the provisions of N.J.A.C. 7:26A-1 et seq. shall have precedence over the conditions of this Approval, and the conditions of this Approval shall have precedence over plans and specifications listed above. [N.J.A.C. 7:26A- 3.5(e)]
54. One complete set of the general approval application documents, this general approval, and all records, reports and plans as may be required pursuant to this approval shall be kept on file at the recycling center and shall be available for inspection by authorized representatives of the Department or delegated agents upon presentation of credentials. [N.J.A.C. 7:26A-3.5(e)]
55. Hours of operation for the receipt, treatment/processing and transferring source separated petroleum contaminated soils and NJDOT street sweepings material can occur 24 hours per day, 7 days per week. [N.J.A.C. 7:26A- 3.5(e)]
56. Material deliveries to the recycling center shall be scheduled in such a manner as to minimize truck queuing on the recycling center property. Under no circumstances shall delivery trucks be allowed to back-up or queue onto public roads. [N.J.A.C. 7:26A-3.5(e)]
57. The recycling center may receive no more than 2,700 tons per day of petroleum contaminated soils and street sweepings. This condition is contingent upon the traffic on the public roads adjacent to the facility not being adversely affected. Should the traffic be impacted by the facility, the Department reserves the right to reduce the capacity of the facility. [N.J.A.C. 7:26A- 3.5(e)]
58. The total amount of unprocessed soil material stored in the "soil storage warehouse" shall not exceed 18,287 cubic yards. Materials stored in the "soil storage warehouse" shall be stored only in those areas designated for that purpose as indicated on the approved interior layout drawing. In addition "Area B" on the approved site plan may be used to temporarily store 15,000 cy of unprocessed soils until further processing in the "soil storage warehouse". The unprocessed soils in "Area B" will be segregated on an asphalt base with Jersey barriers and tarped during storage. [N.J.A.C. 7:26A-3.5(e)]

CLEAN EARTH OF CARTERET LLC
132310 CBG160002 Class B Recycling Ctr General Apprv -Renewal
Requirements Report

Subject Item: RCBG139162 - General Class B & Soil Conditions

59. If at any time, the amount of soil material stored inside the building exceeds 18,287 cubic yards and the temporary storage "Area B" exceeds 15,000 cubic yards, the recycling center shall immediately cease receiving any unprocessed soil material until the amount of unprocessed soil material combined fall below 33,287 cubic yards. [N.J.A.C. 7:26A- 3.5(e)]
60. Unprocessed recyclable material shall not remain on-site, in its unprocessed form, for more than one (1) year. [N.J.A.C. 7:26A-3.9(b)]
61. The total amount of processed soil materials stored outside shall not exceed 31,674 cubic yards. Processed material shall be stored only in those areas designated for that purpose as indicated on the approved site plan drawings. [N.J.A.C. 7:26A-3.5(e)]
62. If at any time, the amount of processed soil material stored on-site exceeds 31,674 cubic yards, the recycling center shall immediately cease processing activities until the amount of processed material falls below 31,674 cubic yards. [N.J.A.C. 7:26A-3.5(e)]
63. All processed material shall be stored separately from residues. [N.J.A.C. 7:26A-3.5(e)]
64. By-products shall be stored in the container(s) or area(s) as depicted on the approved site plan and shall be removed off-site to the end markets as referenced in the approved documents. [N.J.A.C. 7:26A-3.5(e)]
65. Horizontal and vertical control points for the unprocessed and processed materials soil stockpile areas shall be set and maintained on-site. Horizontal limitation markers shall be set at the corners of the stockpile areas as depicted on the approved site plan. Vertical limitation markers shall be set at locations in close proximity of the stockpile areas and shall clearly establish elevation height of 18 feet above the existing grade for the stockpile areas located inside the building and 20 feet above the existing grade for the processed stockpile areas located outside. [N.J.A.C. 7:26A- 3.5(e)]
66. Metal pipe or metal rods or the equivalent as approved by the Department shall be used to establish these control points. [N.J.A.C. 7:26A-3.5(e)]
67. Ingress and egress of the facility shall be restricted to Middlesex Avenue only. [N.J.A.C. 7:26A-3.5(e)]
68. Methods of effectively controlling dust shall be implemented at the facility in order to prevent offsite migration. [N.J.A.C. 7:26A-3.5(e)]
69. Fire fighting and emergency procedures shall be posted, and shall include the telephone numbers of local fire, police, ambulance, and hospital facilities. If a fire occurs on-site, the facility shall immediately notify the local fire official and the N.J.D.E.P. Environmental Action Hotline at 1-877-927-6337. [N.J.A.C. 7:26A-3.5(e)]
70. Any suspected or prohibited hazardous waste, as defined at N.J.A.C. 7:26G-5, found in a load accepted at the recycling center shall not be returned to the generator. Such materials shall be segregated and stored in a secure manner and shall be immediately reported to the N.J.D.E.P. Environmental Action Hotline at 1-877-927-6337. The owner/operator of the recycling center shall secure the name of the collector/hauler suspected of delivering such waste to the facility and related information surrounding the incident, if available, and shall make this information known to the Department's enforcement personnel. Such material may be returned to a known generator, provided that specific permission to do so is received by the owner/operator after contacting 1-877-927-6337. Otherwise, the owner/operator shall dispose of the unauthorized waste in accordance with instructions received from the Department. [N.J.A.C. 7:26A- 3.5(e)]

CLEAN EARTH OF CARTERET LLC
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Requirements Report

Subject Item: RCBG139162 - General Class B & Soil Conditions

71. All revisions to the site plan and the approved documents which may be required as a result of the above, shall be submitted to this office for modification to this Approval. [N.J.A.C. 7:26A-3.5(e)]
72. Pursuant to N.J.A.C. 7:26A-3.11(a), the holder of this general approval shall obtain prior approval from the Department for any increase in the design capacity of the facility. The facility shall submit a request to the Department, in writing, for the proposed increase and shall submit updated information pursuant to the requirements of N.J.A.C. 7:26A-3.2(a), 3.4, or 3.8, as applicable. The facility shall also provide written notice of the request to the solid waste or recycling coordinator of the applicable district. [N.J.A.C. 7:26A-3.5(e)]
73. The sampling plan, collection, preservation, and handling for the sampling and analysis of unprocessed contaminated soil as required in this Approval must be performed in accordance with the New Jersey Technical Requirements for Site Remediation at N.J.A.C. 7:26E and the latest edition of the New Jersey Department of Environmental Protection, Field Sampling Procedures Manual. All analysis must be performed by a New Jersey certified laboratory. [N.J.A.C. 7:26A- 3.5(e)]
74. Petroleum contaminated soils shall be sampled either at the point of generation or at the recycling center. Soils from different generation sites shall be segregated at the facility until the sampling results are received. The sampling and analysis shall be implemented as follows: [N.J.A.C. 7:26A-3.5(e)]
75. All soils must be tested using the most current approved test methodology in accordance with USEPA SW-846. [N.J.A.C. 7:26A-3.5(e)]
76. Every 100 cubic yards of contaminated soil from each site shall be sampled and analyzed for EPH in the following manner: a representative sample from every 20 cubic yards of contaminated soil shall be taken and these five samples shall be composited into one sample and analyzed. When the volume of soil is less than 100 cubic yards, a representative sample of every 20 cubic yards, or a fraction thereof, shall be taken and these samples shall be composited into one sample and analyzed. [N.J.A.C. 7:26A- 3.5(e)]
77. Every 800 cubic yards of contaminated soil shall be sampled and analyzed for total volatile organic compounds (VOC), in the following manner: a representative sample from every 100 cubic yards of contaminated soil shall be taken and these samples shall be composited into one sample and analyzed. When the volume of soil is less than 800 cubic yards, a representative sample of every 100 cubic yards, or fraction thereof, shall be taken and these samples shall be composited into one sample and analyzed. [N.J.A.C. 7:26A-3.5(e)]
78. The sampling results shall be used to determine the maximum contaminant feed rate or maximum contaminant concentration for the processing equipment in accordance with the Air Quality Permit and shall also demonstrate that the material is non-hazardous for the above contaminants in accordance with N.J.A.C. 7:26G-8.5. The processing equipment at the facility uses bioremediation to process petroleum contaminated soils and achieve acceptable contaminant levels for reuse. [N.J.A.C. 7:26A- 3.5(e)]

CLEAN EARTH OF CARTERET LLC
132310 CBG160002 Class B Recycling Ctr General Apprv -Renewal
Requirements Report

Subject Item: RCBG139162 - General Class B & Soil Conditions

79. Processed material end products, for uses other than as landfill cover material, Department approved Brownfields projects or road construction projects, shall be sampled and analyzed for extractable petroleum hydrocarbons (EPH), total volatile organic compounds (VOC), and all contaminants listed in the New Jersey Soil Remediation Standards (SRS). The sampling procedure shall be implemented as follows: Every 100 cubic yards of processed soil shall be sampled and analyzed for the above contaminants in the following manner: a representative sample from every 20 cubic yards of processed soil shall be taken and these five samples shall be composited into one sample and analyzed. [N.J.A.C. 7:26A- 3.5(e)]
80. Processed material end products to be used in road construction projects shall be sampled every 1,000 cubic yards for EPH and VOC in the following manner: a representative sample from every 100 cubic yards of processed soil shall be taken and the samples shall be composited into one sample and analyzed. [N.J.A.C. 7:26A- 3.5(e)]
81. Other levels of testing may be allowed on a case-by-case basis as determined by use criteria in accordance with Department guidance and regulations. Applications for case-specific testing requirements must be made to the Bureau of Recycling & Hazardous Waste Management. [N.J.A.C. 7:26A- 3.5(e)]
82. Only approved criteria shall be used to determine the allowable end use of the processed material and the maximum allowable contamination levels for use. [N.J.A.C. 7:26A-3.5(e)]
83. The maximum allowable contamination levels for unrestricted general use are 200 ppm EPH and all individual organic contaminants less than or equal to 50% and inorganic contaminants less than or equal to 75% of the most stringent Direct Contact Soil Remediation Standards (SRS). [N.J.A.C. 7:26A- 3.5(e)]
84. The analytical requirements of the individual landfills shall be complied with for soils being used as landfill cover material. For soils being used as fill material in Brownfields projects, the requirements (including sampling frequency and analytical parameters) shall be approved by the individual Site Remediation Program case manager on a case-by-case basis. [N.J.A.C. 7:26A- 3.5(e)]
85. Other levels of contamination may be allowed on a case-by-case basis as determined by use criteria and levels of contamination in accordance with Department guidance and regulations. Certificates of Authority to operate beneficial use projects pursuant to N.J.A.C. 7:26-1.7(g) must be obtained before any use of the processed material end products. [N.J.A.C. 7:26A-3.5(e)]
86. Any processed material end products that do not meet the above criteria must be reintroduced to the treatment process for further treatment. After treatment, the processed material end products must be reanalyzed in accordance with the above criteria. [N.J.A.C. 7:26A-3.5(e)]
87. All analysis records must be kept for a minimum of three years and made available for inspection by state and local officials upon request. [N.J.A.C. 7:26A-3.5(e)]

CLEAN EARTH OF CARTERET LLC
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Subject Item: RCBG139339 - Street Sweepings Sampling

88. Every 800 cubic yards of street sweepings shall be sampled and analyzed for total volatile organic compounds (VOC), in the following manner: a representative sample from every 100 cubic yards shall be taken and these samples shall be composited into one sample and analyzed. When the volume is less than 800 cubic yards, a representative sample of every 100 cubic yards, or fraction thereof, shall be taken and these samples shall be composited into one sample and analyzed. [N.J.A.C. 7:26A-3]
89. The sampling results shall be used to determine the maximum contaminant feed rate or maximum contaminant concentration for the processing equipment in accordance with the Air Quality Permit and shall also demonstrate that the material is non-hazardous for the above contaminants in accordance with N.J.A.C. 7:26G-5. [N.J.A.C. 7:26A-3]
90. Unprocessed street sweepings shall be sampled either at the point of generation or at the recycling center. Street sweepings from different generation sites shall be segregated at the facility until the sampling results are received. [N.J.A.C. 7:26A- 3]
91. Every 100 cubic yards of street sweepings from each site shall be sampled and analyzed for EPH in the following manner: a representative sample from every 20 cubic yards shall be taken and these five samples shall be composited into one sample and analyzed. When the volume is less than 100 cubic yards, a representative sample of every 20 cubic yards, or a fraction thereof, shall be taken and these samples shall be composited into one sample and analyzed. [N.J.A.C. 7:26A- 3]

Subject Item: RCBG882032 - Final Phase Crushing Operations

92. The recycling center may receive no more than 2000 tons per day of source-separated asphalt, concrete, brick, block, rock, and stone. [N.J.A.C. 7:26A-3.5(e)]
93. Hours of operation for the receipt, processing and transferring source separated recyclable material can occur 24 hours per day, 7 days per week; the operation of the crusher shall be limited to: 7:00 a.m. to 7:00 p.m., Monday through Friday and Saturdays from 7:00 a.m. to 4:00 p.m. [N.J.A.C. 7:26A- 3.5(e)]
94. The following equipment or equivalent shall be available for site operations and shall be maintained in operable condition:
- Extec C-12+ Crusher
 - Extec Impact Crusher
 - Fintec 542 Screener
 - Sandvik QE440 Screener
 - Extec Robotrac Screener (2 units)
 - Extec S6000 Screener. [N.J.A.C. 7:26A- 3.5(e)]
95. The total amount of unprocessed asphalt, concrete, brick, block, rock, and stone stored on-site shall not exceed 36,580 cubic yards (8,800 cy in Area A & 27,780 cy in Area B). These unprocessed materials stored on-site shall be stored only in those areas designated for that purpose as indicated on the approved site plan drawing. [N.J.A.C. 7:26A- 3.5(e)]

CLEAN EARTH OF CARTERET LLC
132310 CBG160002 Class B Recycling Ctr General Apprv -Renewal
Requirements Report

Subject Item: RCBG882032 - Final Phase Crushing Operations

96. If at any time, the amount of unprocessed asphalt, concrete, brick, block, rock, and stone stored on-site exceeds 36,580 cubic yards (8,800 cy in Area A & 27,780 cy in Area B), the recycling center shall immediately cease receiving any unprocessed material until the amount of these unprocessed materials stored on-site falls below 36,580 cubic yards (8,800 cy in Area A & 27,780 cy in Area B). [N.J.A.C. 7:26A- 3.5(e)]
97. The total amount of processed asphalt, concrete, brick, block, rock, and stone stored on-site shall not exceed 74,812 cubic yards (30,901 cy in Area C & 43,911 cy in Area D). These processed materials stored on-site shall be stored only in those areas designated for that purpose as indicated on the approved site plan drawing. [N.J.A.C. 7:26A- 3.5(e)]
98. If at any time, the amount of processed asphalt, concrete, brick, block, rock, and stone stored on-site exceeds 74,812 cubic yards (30,901 cy in Area C & 43,911 cy in Area D), the recycling center shall immediately cease processing activities until the amount of these processed materials falls below 74,812 cubic yards. [N.J.A.C. 7:26A- 3.5(e)]
99. Horizontal and vertical control points for the unprocessed and processed materials stockpile areas shall be set and maintained on-site. Horizontal limitation markers shall be set at the corners of the stockpile areas as depicted on the approved site plan. Vertical limitation markers shall be set at locations in close proximity of the stockpile areas and shall clearly establish elevation height of 20 feet above the existing grade for the unprocessed stockpile area and 30 feet above the existing grade for the processed stockpile area. [N.J.A.C. 7:26A- 3.5(e)]
100. Metal pipe or metal rods or the equivalent as approved by the Department shall be used to establish these control points. [N.J.A.C. 7:26A- 3.5(e)]
101. Requisite recycling center operations shall not be delayed or neglected for lack of required equipment or for equipment down time. [N.J.A.C. 7:26A- 3.3(5)e3]



Department of
Environmental
Conservation

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364

WASTE TRANSPORTER PERMIT NO. 1A-727

Pursuant to Article 27, Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

AARCO ENVIRONMENTAL SERVICES CORPORATION
50 GEAR AVENUE
LINDENHURST, NY 11757

PERMIT TYPE:

☐ NEW
☐ RENEWAL
☒ MODIFICATION

CONTACT NAME:
COUNTY:
TELEPHONE NO:

RICK SPADALIK / TARA BOGGS
SUFFOLK
(631)586-5900

EFFECTIVE DATE:
EXPIRATION DATE:
US EPA ID NUMBER:

08/21/2019
07/08/2020
NYR000107326

AUTHORIZED WASTE TYPES BY DESTINATION FACILITY:

The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)	Note
110 Sand Company Clean Fill Disposal Site	Melville , NY	Non-Hazardous Industrial/Commercial	non friable asbestos
Advanced Waste and Water Technology	Farmingdale , NY	Non-Hazardous Industrial/Commercial	
AES ENVIRONMENTAL	CALVERT CITY , KY	Petroleum Contaminated Soil Hazardous Industrial/Commercial	
BAYSHORE SOIL MANAGEMENT, LLC	KEASBEY , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
Brookhaven Waste Management Facility	Yaphank , NY	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Non-Residential Raw Sewage or Sewage-Contaminated Wastes Sludge from Sewage or Water Supply Treatment Plant	
CLEAN EARTH OF CARTERET	CARTERET , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
CLEAN EARTH OF NORTH JERSEY	KEARNY , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Hazardous Industrial/Commercial	
Clean Water of New York Inc	Staten Island , NY	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Waste Oil	
Clear Flo Technologies Inc	Lindenhurst , NY	Non-Hazardous Industrial/Commercial Septage only (residential)	

*** AUTHORIZED WASTE TYPES BY DESTINATION FACILITY LISTING (continued on next page) ***

NOTE: By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the Environmental Conservation Law, all applicable regulations, and the General Conditions printed on the back of this page.

ADDRESS:

New York State Department of Environmental Conservation
Division of Materials Management - Waste Transporter Program
625 Broadway 9th Floor
Albany, NY 12233-7251

AUTHORIZED SIGNATURE:

Date:

8.19.19

WASTE TRANSPORTER PERMIT

GENERAL CONDITIONS

The permittee must:

1. Carry a copy of this waste transporter permit in each vehicle to transport waste. Failure to produce a copy of the permit upon request is a violation of the permit.
2. Display the full name of the transporter on both sides of each vehicle and display the waste transporter permit number on both sides and rear of each vehicle containing waste. The displayed name and permit number must be in characters at least three inches high and of a color that contrasts sharply with the background.
3. Transport waste only in authorized vehicles. An authorized vehicle is one that is listed on this permit.
4. Submit to the Department a modification application for additions/deletions to the authorized fleet of vehicles. The permittee must wait for a modified permit before operating the vehicles identified in the modification application.
5. Submit to the Department a modification application to add a new waste category or a new destination facility, or to change the current waste or destination facility category. The permittee must wait for a modified permit before transporting new waste types or transporting to new destination facilities.
6. Submit to the Department a modification application for change of address or company name.
7. Comply with requirements for placarding and packaging as set forth in New York State Transportation Law as well as any applicable federal rules and regulations.
8. Contain all wastes in the vehicle so there is no leaking, blowing, or other discharge of waste.
9. Use vehicles to transport only materials not intended for human or animal consumption unless the vehicle is properly cleaned.
10. Comply with requirements for manifesting hazardous waste, regulated medical waste, or low-level radioactive waste as set forth in the New York State Environmental Conservation Law and the implementing regulations. Transporters who provide a pre-printed manifest to a generator/shipper/offeror of regulated waste shall ensure that all information is correct and clearly legible on all copies of the manifest.
11. Deliver waste only to transfer, storage, treatment and disposal facilities authorized to accept such waste. Permittee must demonstrate that facilities are so authorized if requested to do so.
12. Maintain liability insurance as required by New York State Environmental Conservation Law.
13. Maintain records of the amount of each waste type transported to each destination facility on a calendar-year basis. The transporter is obligated to provide a report of this information to the Department at the time of permit renewal, or to any law enforcement officer, if requested to do so.
14. Pay regulatory fees on an annual basis. Non-payment may be cause for revocation or suspension of permit.
15. This permit is not transferrable. A change of ownership will invalidate this permit.
16. This permit does not relieve the permittee from the obligation to obtain any other approvals or permits, or from complying with any other applicable federal, state, or local requirement.
17. **Renewal applications must be submitted no less than 30 days prior to the expiration date of the permit to:**

**New York State Department of Environmental Conservation
Division of Materials Management, Waste Transporter Program
625 Broadway, 9th Floor
Albany, NY 12233-7251**

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

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50 GEAR AVENUE
LINDENHURST, NY 11757

PERMIT TYPE:

- ☐ NEW
☐ RENEWAL
☒ MODIFICATION

CONTACT NAME: RICK SPADALIK / TARA BOGGS
COUNTY: SUFFOLK
TELEPHONE NO: (831)586-5900

EFFECTIVE DATE: 08/21/2019
EXPIRATION DATE: 07/08/2020
US EPA ID NUMBER: NYR000107326

AUTHORIZED WASTE TYPES BY DESTINATION FACILITY: (Continued)

The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)	Note
Clear Flo Technologies Inc	Lindenhurst , NY	Non-Residential Raw Sewage or Sewage-Contaminated Wastes	
CONESTOGA LANDFILL	MORGANTOWN , PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
COVANTA ENVIRONMENTAL SOLUTIONS	MYERSTOWN , PA	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
Covanta of Hempstead	Westbury , NY	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
CUMBERLAND COUNTY LANDFILL	NEWBURG , PA	Sludge from Sewage or Water Supply Treatment Plant	
CWM CHEMICAL SERVICES	MODEL CITY , NY	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Hazardous Industrial/Commercial	
CYCLE CHEM (NJ)	ELIZABETH , NJ	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Hazardous Industrial/Commercial Waste Oil	
Dale Transfer Corp	West Babylon , NY	Non-Hazardous Industrial/Commercial Gas Well Drill Cuttings Oil and Gas Production Waste Petroleum Contaminated Soil Grease Trap Waste Non-Residential Raw Sewage or Sewage-Contaminated Wastes Sludge from Sewage or Water Supply Treatment Plant	
FCC ENVIRONMENTAL	WILMINGTON , DE	Non-Hazardous Industrial/Commercial	
General Environmental Services, Inc.	Wyandanch , NY	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Grease Trap Waste Waste Oil	
GREENTREE LANDFILL	KERSEY , PA	Sludge from Sewage or Water Supply Treatment Plant	
GROWS LANDFILL NORTH (PA DEP 101680)	MORRISVILLE , PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
High Acres Western Expansion Landfill	Fairport , NY	Non-Hazardous Industrial/Commercial	

*** AUTHORIZED WASTE TYPES BY DESTINATION FACILITY LISTING (continued on next page) ***

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Destination Facility	Location	Waste Type(s)	Note
Huntington Resource Recovery Facility	East Northport , NY	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Hazardous Industrial/Commercial	
ISP ENVIRONMENTAL SERVICES, INC.	LINDEN , NJ	Non-Hazardous Industrial/Commercial	
Jamaica Recycling (Liberty)	Jamaica , NY	Petroleum Contaminated Soil	
KEYSTONE SANITARY LANDFILL	DUNMORE , PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Non-Residential Raw Sewage or Sewage-Contaminated Wastes Sludge from Sewage or Water Supply Treatment Plant	
LORCO PETROLEUM SERVICES	ELIZABETH , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
New York Oil Recovery Inc	Brooklyn , NY	Non-Hazardous Industrial/Commercial Waste Oil	
NLR, INC.	EAST WINDSOR , CT	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
NORTHLAND ENVIRONMENTAL, LLC	PROVIDENCE , RI	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Grease Trap Waste Hazardous Industrial/Commercial	
Paradise Heating Oil Inc	Ossining , NY	Non-Hazardous Industrial/Commercial	
PIONEER CROSSING LANDFILL	BIRDSBORO , PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
Posillico Materials	Farmingdale , NY	Petroleum Contaminated Soil	
PURE SOIL TECHNOLOGIES	JACKSON , NJ	Petroleum Contaminated Soil	
REPUBLIC ENVIRONMENTAL SYSTEMS	HATFIELD , PA	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Grease Trap Waste Hazardous Industrial/Commercial	
ROSS INCINERATION SERVICES, INC.	GRAFTON , OH	Petroleum Contaminated Soil Hazardous Industrial/Commercial	

*** AUTHORIZED WASTE TYPES BY DESTINATION FACILITY LISTING (continued on next page) ***

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Destination Facility	Location	Waste Type(s)	Note
SOIL SAFE, INC.	LOGAN TOWNSHIP , NJ	Petroleum Contaminated Soil	
SOIL SAFE-METRO 12	CARTERET , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
TRADEBE TREATMENT & RECYCLING NORTHEAST, LLC	MERIDEN , CT	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Hazardous Industrial/Commercial	
TRADEBE TREATMENT & RECYCLING OF BRIDGEPORT, LLC	BRIDGEPORT , CT	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Hazardous Industrial/Commercial Waste Oil	
TRIUMVIRATE ENVIRONMENTAL	ASTORIA , NY	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Hazardous Industrial/Commercial	
Tully Environmental Inc d/b/a Clearbrook	Deer Park , NY	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Grease Trap Waste Non-Residential Raw Sewage or Sewage-Contaminated Wastes Sludge from Sewage or Water Supply Treatment Plant	
Tully Environmental Inc Flushing	Flushing , NY	Non-Hazardous Industrial/Commercial	
TULLYTOWN RESOURCE RECOVERY FACILITY (PA DEP 101494)	TULLYTOWN , PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
VEOLIA ES TECHNICAL SOLUTIONS	FLANDERS , NJ	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Hazardous Industrial/Commercial Waste Oil	

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PART 364
WASTE TRANSPORTER PERMIT NO. 1A-727

Pursuant to Article 27, Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

AARCO ENVIRONMENTAL SERVICES CORPORATION
50 GEAR AVENUE
LINDENHURST, NY 11757

PERMIT TYPE:

☐ NEW
☐ RENEWAL
☒ MODIFICATION

CONTACT NAME: RICK SPADALIK / TARA BOGGS
COUNTY: SUFFOLK
TELEPHONE NO: (631)586-5900

EFFECTIVE DATE: 08/21/2019
EXPIRATION DATE: 07/08/2020
US EPA ID NUMBER: NYR000107326

AUTHORIZED VEHICLES:

The Permittee is Authorized to Operate the Following Vehicles to Transport Waste:

(Vehicles enclosed in <>'s are authorized to haul Residential Raw Sewage and/or Septage only)

31 (Thirty One) Permitted Vehicle(s)

NY 19482MH
NY 19608MH
NY 20672MK
NY 21297MG
NY 21482ML
NY 21642ME
NY 23663MD
NY 27400ME
NY 28110MN
NY 28279MN
NY 31314KA
NY 36973MA
NY 36974MA
NY 37370PC
NY 38684MH
NY 54921ML
NY 54980ML
NY 58128ME
NY 60354PC
NY 61855MK
NY 64931JY
NY 66588PC
NY 70981MJ
NY 75021MK
NY 76568PC
NY 88085MD
NY 91200ML
NY 93243ME
NY 98195MC
NY BU42973
NY GCX6154
End of List

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364
WASTE TRANSPORTER PERMIT NO. NJ-896

Pursuant to Article 27, Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

VALIANT CONTRACTING, LLC
226 PROSPECT POINT ROAD
LAKE HOPATCONG, NJ 07849

CONTACT NAME: THOMAS JUSKUS
COUNTY: OUT OF STATE
TELEPHONE NO: (973)234-5668

PERMIT TYPE:

☐ NEW
☒ RENEWAL
☐ MODIFICATION

EFFECTIVE DATE: 03/13/2020
EXPIRATION DATE: 03/12/2021
US EPA ID NUMBER:

AUTHORIZED WASTE TYPES BY DESTINATION FACILITY: (Continued)

The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)	Note
CLEAN EARTH OF MARYLAND	HAGERSTOWN , MD	Petroleum Contaminated Soil	
CLEAN EARTH OF NEW CASTLE, INC.	NEW CASTLE , DE	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
CLEAN EARTH OF NORTH JERSEY	KEARNY , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
CLEAN EARTH OF PHILADELPHIA	PHILADELPHIA , PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
CLEAN EARTH OF SOUTHEAST PENNSYLVANIA	MORRISVILLE , PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
COMMONWEALTH ENVIRONMENTAL SYSTEMS, LP	HEGINS , PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
CONESTOGA LANDFILL	MORGANTOWN , PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
COPLAY AGGREGATES	WHITEHALL , PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
CUMBERLAND COUNTY IMPROVEMENT AUTHORITY	MILLVILLE , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
CUMBERLAND COUNTY LF-NEWBURG	NEWBURG , PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
DELAWARE COUNTY SWA - ROLLING HILLS LF	BOYERTOWN , PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
ESMI OF NEW JERSEY	KEASBEY , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
FAIRLESS LANDFILL (PA DEP 101699)	MORRISVILLE , PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
FORMER NJ ZINC WEST PLANT, PHASE III	PALMERTON , PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
FREEMANSBURG RESTORATION FACILITY	FREEMANSBURG , PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
GERDAU AMERISTEEL PERTH AMBOY MILL/ANACONDA COOPER SITE	PERTH AMBOY , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
GREENVIEW	STROUDSBURG , PA	Non-Hazardous Industrial/Commercial	

*** AUTHORIZED WASTE TYPES BY DESTINATION FACILITY LISTING (continued on next page) ***

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364
WASTE TRANSPORTER PERMIT NO. NJ-896

Pursuant to Article 27, Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

VALIANT CONTRACTING, LLC
226 PROSPECT POINT ROAD
LAKE HOPATCONG, NJ 07849

CONTACT NAME: THOMAS JUSKUS
COUNTY: OUT OF STATE
TELEPHONE NO: (973)234-5668

PERMIT TYPE:

☐ NEW
☒ RENEWAL
☐ MODIFICATION

EFFECTIVE DATE: 03/13/2020
EXPIRATION DATE: 03/12/2021
US EPA ID NUMBER:

AUTHORIZED WASTE TYPES BY DESTINATION FACILITY: (Continued)

The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)	Note
GREENVIEW	STROUDSBURG , PA	Petroleum Contaminated Soil	
GROWS LANDFILL NORTH (PA DEP 101680)	MORRISVILLE , PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
HAZLETON CREEK PROPERTIES, LLC	HAZLETON , PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
HENRY HARRIS SLF (ALHERN, INC.)	MULLICA HILL , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
HOFFMAN GRIFFETT MINE RECLAMATION BELVIDERE FACILITY	NEW JERSEY	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
Hunters Point Recycling Inc	Long Island City , NY	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
JERC PARTNERS VII/LLC	EDISON , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
KEARNY POINT INDUSTRIAL PARK (KPIP)	SOUTH KEARNY , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
MALANKA (MALL) LANDFILL	SECAUCUS , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
MBC Contractors Inc (Hudson River Views Ind. Park)	Stony Point , NY	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
MID ATLANTIC RECYCLING TECHNOLOGIES	VINELAND , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
New York Recycling LLC	Bronx , NY	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
OVERPECK PARK LANDFILL AREA IV	PALISADES PARK , NJ	Non-Hazardous Industrial/Commercial	
P PARK NORTH LLC	PROSPECT PARK , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
PURE EARTH RECYCLING	VINELAND , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
PURE SOIL @ PERTH AMBOY	PERTH AMBOY , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
PURE SOIL TECHNOLOGIES	JACKSON , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	

*** AUTHORIZED WASTE TYPES BY DESTINATION FACILITY LISTING (continued on next page) ***



PART 364
WASTE TRANSPORTER PERMIT NO. NJ-896

Pursuant to Article 27, Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

VALIANT CONTRACTING, LLC
226 PROSPECT POINT ROAD
LAKE HOPATCONG, NJ 07849

CONTACT NAME: THOMAS JUSKUS
COUNTY: OUT OF STATE
TELEPHONE NO: (973)234-5668

PERMIT TYPE:

☐ NEW
☒ RENEWAL
☐ MODIFICATION

EFFECTIVE DATE: 03/13/2020
EXPIRATION DATE: 03/12/2021
US EPA ID NUMBER:

AUTHORIZED WASTE TYPES BY DESTINATION FACILITY:

The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)	Note
110 Sand Company Clean Fill Disposal Site	Melville, NY	Non-Hazardous Industrial/Commercial	
ATLANTIC COUNTY UTILITIES AUTHORITY	EGG HARBOR, NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
BAYSHORE SOIL MANAGEMENT, LLC	KEASBEY, NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
BELLMAWR WATERFRONT DEVELOPMENT	BELLMAWR, NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
BETHLEHEM EARTH, LP	BETHLEHEM, PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
BURLINGTON COUNTY RESOURCE RECOVERY COMPLEX	COLUMBUS, NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
BUY THE LOAD	POCONO SUMMIT, PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
CAPE MAY CO. MUA	WOODBINE, NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
CAPITOL DEVELOPMENT	E. BANGOR, PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
CLEAN EARTH OF CARTERET	CARTERET, NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
CLEAN EARTH OF MARYLAND	HAGERSTOWN, MD	Non-Hazardous Industrial/Commercial	

*** AUTHORIZED WASTE TYPES BY DESTINATION FACILITY LISTING (continued on next page) ***

NOTE: By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the Environmental Conservation Law, all applicable regulations, and the General Conditions printed on the back of this page.

ADDRESS:

New York State Department of Environmental Conservation
Division of Materials Management - Waste Transporter Program
629 Broadway, 9th Floor
Albany, NY 12233-7251

AUTHORIZED SIGNATURE: _____

Date: 2/11/2020

NOTICE

WASTE TRANSPORTER PERMIT

GENERAL CONDITIONS

The permittee must:

1. Carry a copy of this waste transporter permit in each vehicle to transport waste. Failure to produce a copy of the permit upon request is a violation of the permit.
2. Display the full name of the transporter on both sides of each vehicle and display the waste transporter permit number on both sides and rear of each vehicle containing waste. The displayed name and permit number must be in characters at least three inches high and of a color that contrasts sharply with the background.
3. Transport waste only in authorized vehicles. An authorized vehicle is one that is listed on this permit.
4. Submit to the Department a modification application for additions/deletions to the authorized fleet of vehicles. The permittee must wait for a modified permit before operating the vehicles identified in the modification application.
5. Submit to the Department a modification application to add a new waste category or a new destination facility, or to change the current waste or destination facility category. The permittee must wait for a modified permit before transporting new waste types or transporting to new destination facilities.
6. Submit to the Department a modification application for change of address or company name.
7. Comply with requirements for placarding and packaging as set forth in New York State Transportation Law as well as any applicable federal rules and regulations.
8. Contain all wastes in the vehicle so there is no leaking, blowing, or other discharge of waste.
9. Use vehicles to transport only materials not intended for human or animal consumption unless the vehicle is properly cleaned.
10. Comply with requirements for manifesting hazardous waste, regulated medical waste, or low-level radioactive waste as set forth in the New York State Environmental Conservation Law and the implementing regulations. Transporters who provide a pre-printed manifest to a generator/shipper/offeror of regulated waste shall ensure that all information is correct and clearly legible on all copies of the manifest.
11. Deliver waste only to transfer, storage, treatment and disposal facilities authorized to accept such waste. Permittee must demonstrate that facilities are so authorized if requested to do so.
12. Maintain liability insurance as required by New York State Environmental Conservation Law.
13. Maintain records of the amount of each waste type transported to each destination facility on a calendar-year basis. The transporter is obligated to provide a report of this information to the Department at the time of permit renewal, or to any law enforcement officer, if requested to do so.
14. Pay regulatory fees on an annual basis. Non-payment may be cause for revocation or suspension of permit.
15. This permit is not transferrable. A change of ownership will invalidate this permit.
16. This permit does not relieve the permittee from the obligation to obtain any other approvals or permits, or from complying with any other applicable federal, state, or local requirement.
17. **Renewal applications must be submitted no less than 30 days prior to the expiration date of the permit to:**

New York State Department of Environmental Conservation
Division of Materials Management, Waste Transporter Program
625 Broadway, 9th Floor
Albany, NY 12233-7251

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364
WASTE TRANSPORTER PERMIT NO. NJ-896

Pursuant to Article 27 Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

VALIANT CONTRACTING, LLC
226 PROSPECT POINT ROAD
LAKE HOPATCONG, NJ 07849

CONTACT NAME: THOMAS JUSKUS
COUNTY: OUT OF STATE
TELEPHONE NO: (973)234-5668

PERMIT TYPE:

- ☐ NEW
☒ RENEWAL
☐ MODIFICATION

EFFECTIVE DATE: 03/13/2020
EXPIRATION DATE: 03/12/2021
US EPA ID NUMBER:

AUTHORIZED WASTE TYPES BY DESTINATION FACILITY: (Continued)

The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)	Note
ROCKRETE RECYCLING	ELIZABETH , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
RODOTA FILL SITE	BELVIDERE , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
SOIL SAFE, INC.	LOGAN TOWNSHIP , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
SOIL SAFE-METRO 12	CARTERET , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
TETERBORO LANDING	TETERBORO , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
TREMLEY POINT FLY ASH DISPOSAL SITE	LINDEN , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
TULLYTOWN RESOURCE RECOVERY FACILITY (PA DEP 101494)	TULLYTOWN , PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
TUXEDO FARMS - EAST TERRENCE	SLOATSBURG , NY	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
Vanbro Corporation	Staten Island , NY	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
WALTER R. EARLE RECYCLING CORP.	JACKSON , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364
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TELEPHONE NO: (973)234-5568

PERMIT TYPE:

☐ NEW
☒ RENEWAL
☐ MODIFICATION

EFFECTIVE DATE: 03/13/2020
EXPIRATION DATE: 03/12/2021
US EPA ID NUMBER:

AUTHORIZED VEHICLES:

The Permittee is Authorized to Operate the Following Vehicles to Transport Waste:

(Vehicles enclosed in <>'s are authorized to haul Residential Raw Sewage and/or Septage only)

33 (Thirty Three) Permitted Vehicle(s)

NJ AS437Y
NJ AS963S
NJ AT207B
NJ AT208B
NJ AT209B
NJ AT457R
NJ AT568L
NJ AU190J
NJ AU267L
NJ AU268L
NJ AU367X
NJ AU368X
NJ AU480H
NJ AU507Z
NJ AU563D
NJ AU699H
NJ AU761G
NJ AU894X
NJ AU903Y
NJ AU904Y
NJ AU917K
NJ AU917Z
NJ AU918Z
NJ AU919Z
NJ AW105H
NJ AW106H
NJ AW110G
NJ AW125K
NJ AW383F
NJ AW524G
NJ AW525G
NJ AW785E
NJ AW786E
End of List

Appendix C



Technical Report

prepared for:

AARCO Environmental
50 Gear Avenue
Lindenhurst NY, 11757
Attention: Steve Plofker

Report Date: 03/06/2020

Client Project ID: 98 Lorraine St Brooklyn

York Project (SDG) No.: 20B1105

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE
www.YORKLAB.com

STRATFORD, CT 06615
(203) 325-1371

132-02 89th AVENUE
FAX (203) 357-0166

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 03/06/2020
Client Project ID: 98 Lorraine St Brooklyn
York Project (SDG) No.: 20B1105

AARCO Environmental
50 Gear Avenue
Lindenhurst NY, 11757
Attention: Steve Plofker

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on February 28, 2020 with a temperature of 2.1 C. The project was identified as your project: **98 Lorraine St Brooklyn**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
20B1105-01	EP-1	Soil	02/27/2020	02/28/2020
20B1105-02	EP-2	Soil	02/27/2020	02/28/2020
20B1105-03	EP-3	Soil	02/27/2020	02/28/2020
20B1105-04	EP-4	Soil	02/27/2020	02/28/2020
20B1105-05	EP-5	Soil	02/27/2020	02/28/2020
20B1105-06	EP-6	Soil	02/27/2020	02/28/2020

General Notes for York Project (SDG) No.: 20B1105

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 03/06/2020





Sample Information

Client Sample ID: EP-1

York Sample ID: 20B1105-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B1105

98 Lorraine St Brooklyn

Soil

February 27, 2020 8:55 am

02/28/2020

Volatile Organics, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	370	740	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/05/2020 18:13	03/06/2020 05:45	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	370	740	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/05/2020 18:13	03/06/2020 05:45	LLJ
71-43-2	Benzene	ND		ug/kg dry	370	740	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/05/2020 18:13	03/06/2020 05:45	LLJ
100-41-4	Ethyl Benzene	ND		ug/kg dry	370	740	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/05/2020 18:13	03/06/2020 05:45	LLJ
98-82-8	Isopropylbenzene	ND		ug/kg dry	370	740	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/05/2020 18:13	03/06/2020 05:45	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	370	740	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/05/2020 18:13	03/06/2020 05:45	LLJ
91-20-3	Naphthalene	ND		ug/kg dry	370	1500	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJ	03/05/2020 18:13	03/06/2020 05:45	LLJ
104-51-8	n-Butylbenzene	1100	CCV-E	ug/kg dry	370	740	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/05/2020 18:13	03/06/2020 05:45	LLJ
103-65-1	n-Propylbenzene	580	J	ug/kg dry	370	740	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/05/2020 18:13	03/06/2020 05:45	LLJ
95-47-6	o-Xylene	ND		ug/kg dry	370	740	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/05/2020 18:13	03/06/2020 05:45	LLJ
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	370	740	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/05/2020 18:13	03/06/2020 05:45	LLJ
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	370	740	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/05/2020 18:13	03/06/2020 05:45	LLJ
135-98-8	sec-Butylbenzene	780		ug/kg dry	370	740	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/05/2020 18:13	03/06/2020 05:45	LLJ
98-06-6	tert-Butylbenzene	ND		ug/kg dry	370	740	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/05/2020 18:13	03/06/2020 05:45	LLJ
108-88-3	Toluene	ND		ug/kg dry	370	740	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/05/2020 18:13	03/06/2020 05:45	LLJ
1330-20-7	Xylenes, Total	ND		ug/kg dry	370	740	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/05/2020 18:13	03/06/2020 05:45	LLJ
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	93.0 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	99.8 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	99.8 %	76-130								



Sample Information

Client Sample ID: EP-1

York Sample ID: 20B1105-01

York Project (SDG) No.

20B1105

Client Project ID

98 Lorraine St Brooklyn

Matrix

Soil

Collection Date/Time

February 27, 2020 8:55 am

Date Received

02/28/2020

Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	62	120	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 13:16	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	62	120	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 13:16	KH
120-12-7	Anthracene	680		ug/kg dry	62	120	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 13:16	KH
56-55-3	Benzo(a)anthracene	62	J	ug/kg dry	62	120	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 13:16	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	62	120	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 13:16	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	62	120	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 13:16	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	62	120	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 13:16	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	62	120	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 13:16	KH
218-01-9	Chrysene	ND		ug/kg dry	62	120	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 13:16	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	62	120	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 13:16	KH
206-44-0	Fluoranthene	250		ug/kg dry	62	120	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 13:16	KH
86-73-7	Fluorene	2600		ug/kg dry	62	120	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 13:16	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND	CCV-H	ug/kg dry	62	120	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 13:16	KH
91-20-3	Naphthalene	ND		ug/kg dry	62	120	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 13:16	KH
85-01-8	Phenanthrene	1800		ug/kg dry	62	120	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 13:16	KH
129-00-0	Pyrene	420		ug/kg dry	62	120	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 13:16	KH
Surrogate Recoveries		Result	Acceptance Range								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	73.8 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	75.0 %	21-113								
1718-51-0	Surrogate: SURR: Terphenyl-d14	60.6 %	24-116								

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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Sample Information

Client Sample ID: EP-1

York Sample ID: 20B1105-01

York Project (SDG) No.

20B1105

Client Project ID

98 Lorraine St Brooklyn

Matrix

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Collection Date/Time

February 27, 2020 8:55 am

Date Received

02/28/2020

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	67.5		%	0.100	1	SM 2540G Certifications: CTDOH	03/02/2020 08:14	03/02/2020 13:27	JAG

Sample Information

Client Sample ID: EP-2

York Sample ID: 20B1105-02

York Project (SDG) No.

20B1105

Client Project ID

98 Lorraine St Brooklyn

Matrix

Soil

Collection Date/Time

February 27, 2020 9:05 am

Date Received

02/28/2020

Volatile Organics, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	410	820	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/05/2020 18:13	03/06/2020 06:13	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	410	820	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/05/2020 18:13	03/06/2020 06:13	LLJ
71-43-2	Benzene	ND		ug/kg dry	410	820	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/05/2020 18:13	03/06/2020 06:13	LLJ
100-41-4	Ethyl Benzene	ND		ug/kg dry	410	820	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/05/2020 18:13	03/06/2020 06:13	LLJ
98-82-8	Isopropylbenzene	ND		ug/kg dry	410	820	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/05/2020 18:13	03/06/2020 06:13	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	410	820	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/05/2020 18:13	03/06/2020 06:13	LLJ
91-20-3	Naphthalene	ND		ug/kg dry	410	1600	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJ	03/05/2020 18:13	03/06/2020 06:13	LLJ
104-51-8	n-Butylbenzene	670	CCV-E , J	ug/kg dry	410	820	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/05/2020 18:13	03/06/2020 06:13	LLJ
103-65-1	n-Propylbenzene	ND		ug/kg dry	410	820	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/05/2020 18:13	03/06/2020 06:13	LLJ
95-47-6	o-Xylene	ND		ug/kg dry	410	820	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/05/2020 18:13	03/06/2020 06:13	LLJ
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	410	820	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/05/2020 18:13	03/06/2020 06:13	LLJ
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	410	820	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/05/2020 18:13	03/06/2020 06:13	LLJ
135-98-8	sec-Butylbenzene	420	J	ug/kg dry	410	820	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/05/2020 18:13	03/06/2020 06:13	LLJ



Sample Information

Client Sample ID: EP-2

York Sample ID: 20B1105-02

York Project (SDG) No.
20B1105

Client Project ID
98 Lorraine St Brooklyn

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February 27, 2020 9:05 am

Date Received
02/28/2020

Volatile Organics, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-06-6	tert-Butylbenzene	ND		ug/kg dry	410	820	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/05/2020 18:13	03/06/2020 06:13	LLJ
108-88-3	Toluene	ND		ug/kg dry	410	820	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/05/2020 18:13	03/06/2020 06:13	LLJ
1330-20-7	Xylenes, Total	ND		ug/kg dry	410	820	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/05/2020 18:13	03/06/2020 06:13	LLJ
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	90.5 %		77-125							
2037-26-5	Surrogate: SURR: Toluene-d8	99.3 %		85-120							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	103 %		76-130							

Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	69	140	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 13:47	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	69	140	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 13:47	KH
120-12-7	Anthracene	1000		ug/kg dry	69	140	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 13:47	KH
56-55-3	Benzo(a)anthracene	540		ug/kg dry	69	140	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 13:47	KH
50-32-8	Benzo(a)pyrene	430		ug/kg dry	69	140	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 13:47	KH
205-99-2	Benzo(b)fluoranthene	340		ug/kg dry	69	140	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 13:47	KH
191-24-2	Benzo(g,h,i)perylene	210		ug/kg dry	69	140	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 13:47	KH
207-08-9	Benzo(k)fluoranthene	340		ug/kg dry	69	140	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 13:47	KH
218-01-9	Chrysene	450		ug/kg dry	69	140	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 13:47	KH
53-70-3	Dibenzo(a,h)anthracene	74	J	ug/kg dry	69	140	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 13:47	KH
206-44-0	Fluoranthene	1400		ug/kg dry	69	140	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 13:47	KH
86-73-7	Fluorene	2200		ug/kg dry	69	140	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 13:47	KH
193-39-5	Indeno(1,2,3-cd)pyrene	280	CCV-H	ug/kg dry	69	140	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 13:47	KH



Sample Information

Client Sample ID: EP-2

York Sample ID: 20B1105-02

York Project (SDG) No.

20B1105

Client Project ID

98 Lorraine St Brooklyn

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Collection Date/Time

February 27, 2020 9:05 am

Date Received

02/28/2020

Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-20-3	Naphthalene	ND		ug/kg dry	69	140	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 13:47	KH
85-01-8	Phenanthrene	2100		ug/kg dry	69	140	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 13:47	KH
129-00-0	Pyrene	1400		ug/kg dry	69	140	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 13:47	KH
Surrogate Recoveries		Result		Acceptance Range							
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	106 %		22-108							
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	74.7 %		21-113							
1718-51-0	Surrogate: SURR: Terphenyl-d14	56.9 %		24-116							

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	60.8		%	0.100	1	SM 2540G Certifications: CTDOH	03/02/2020 08:14	03/02/2020 13:27	JAG

Sample Information

Client Sample ID: EP-3

York Sample ID: 20B1105-03

York Project (SDG) No.

20B1105

Client Project ID

98 Lorraine St Brooklyn

Matrix

Soil

Collection Date/Time

February 27, 2020 9:15 am

Date Received

02/28/2020

Volatile Organics, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	420	840	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/05/2020 18:13	03/06/2020 06:40	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	420	840	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/05/2020 18:13	03/06/2020 06:40	LLJ
71-43-2	Benzene	ND		ug/kg dry	420	840	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/05/2020 18:13	03/06/2020 06:40	LLJ
100-41-4	Ethyl Benzene	ND		ug/kg dry	420	840	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/05/2020 18:13	03/06/2020 06:40	LLJ
98-82-8	Isopropylbenzene	660	J	ug/kg dry	420	840	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/05/2020 18:13	03/06/2020 06:40	LLJ



Sample Information

Client Sample ID: EP-3

York Sample ID: 20B1105-03

York Project (SDG) No.
20B1105

Client Project ID
98 Lorraine St Brooklyn

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February 27, 2020 9:15 am

Date Received
02/28/2020

Volatile Organics, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	420	840	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/05/2020 18:13	03/06/2020 06:40	LLJ
91-20-3	Naphthalene	ND		ug/kg dry	420	1700	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJ	03/05/2020 18:13	03/06/2020 06:40	LLJ
104-51-8	n-Butylbenzene	3400	CCV-E	ug/kg dry	420	840	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/05/2020 18:13	03/06/2020 06:40	LLJ
103-65-1	n-Propylbenzene	1200		ug/kg dry	420	840	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/05/2020 18:13	03/06/2020 06:40	LLJ
95-47-6	o-Xylene	ND		ug/kg dry	420	840	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/05/2020 18:13	03/06/2020 06:40	LLJ
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	420	840	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/05/2020 18:13	03/06/2020 06:40	LLJ
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	420	840	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/05/2020 18:13	03/06/2020 06:40	LLJ
135-98-8	sec-Butylbenzene	2600		ug/kg dry	420	840	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/05/2020 18:13	03/06/2020 06:40	LLJ
98-06-6	tert-Butylbenzene	540	J	ug/kg dry	420	840	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/05/2020 18:13	03/06/2020 06:40	LLJ
108-88-3	Toluene	ND		ug/kg dry	420	840	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/05/2020 18:13	03/06/2020 06:40	LLJ
1330-20-7	Xylenes, Total	ND		ug/kg dry	420	840	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/05/2020 18:13	03/06/2020 06:40	LLJ
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	92.6 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	97.5 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	98.9 %	76-130								

Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	69	140	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 14:17	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	69	140	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 14:17	KH
120-12-7	Anthracene	2800		ug/kg dry	69	140	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 14:17	KH
56-55-3	Benzo(a)anthracene	1300		ug/kg dry	69	140	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 14:17	KH
50-32-8	Benzo(a)pyrene	1100		ug/kg dry	69	140	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 14:17	KH



Sample Information

Client Sample ID: EP-3

York Sample ID: 20B1105-03

York Project (SDG) No.
20B1105

Client Project ID
98 Lorraine St Brooklyn

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February 27, 2020 9:15 am

Date Received
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Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
205-99-2	Benzo(b)fluoranthene	880		ug/kg dry	69	140	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 14:17	KH
191-24-2	Benzo(g,h,i)perylene	600		ug/kg dry	69	140	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 14:17	KH
207-08-9	Benzo(k)fluoranthene	800		ug/kg dry	69	140	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 14:17	KH
218-01-9	Chrysene	1100		ug/kg dry	69	140	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 14:17	KH
53-70-3	Dibenzo(a,h)anthracene	160		ug/kg dry	69	140	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 14:17	KH
206-44-0	Fluoranthene	2800		ug/kg dry	69	140	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 14:17	KH
86-73-7	Fluorene	9200		ug/kg dry	340	690	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/06/2020 11:10	KH
193-39-5	Indeno(1,2,3-cd)pyrene	820	CCV-H	ug/kg dry	69	140	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 14:17	KH
91-20-3	Naphthalene	ND		ug/kg dry	69	140	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 14:17	KH
85-01-8	Phenanthrene	11000		ug/kg dry	340	690	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/06/2020 11:10	KH
129-00-0	Pyrene	3300		ug/kg dry	69	140	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 14:17	KH
Surrogate Recoveries		Result		Acceptance Range							
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	126 %	S-08			22-108					
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	62.4 %				21-113					
1718-51-0	Surrogate: SURR: Terphenyl-d14	54.7 %				24-116					

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	59.6		%	0.100	1	SM 2540G Certifications: CTDOH	03/02/2020 08:14	03/02/2020 13:27	JAG

Sample Information

Client Sample ID: EP-4

York Sample ID: 20B1105-04

York Project (SDG) No.
20B1105

Client Project ID
98 Lorraine St Brooklyn

Matrix
Soil

Collection Date/Time
February 27, 2020 9:25 am

Date Received
02/28/2020



Sample Information

Client Sample ID: EP-4

York Sample ID: 20B1105-04

York Project (SDG) No.

20B1105

Client Project ID

98 Lorraine St Brooklyn

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February 27, 2020 9:25 am

Date Received

02/28/2020

Volatile Organics, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	380	760	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/05/2020 18:13	03/06/2020 07:08	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	380	760	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/05/2020 18:13	03/06/2020 07:08	LLJ
71-43-2	Benzene	ND		ug/kg dry	380	760	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/05/2020 18:13	03/06/2020 07:08	LLJ
100-41-4	Ethyl Benzene	ND		ug/kg dry	380	760	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/05/2020 18:13	03/06/2020 07:08	LLJ
98-82-8	Isopropylbenzene	510	J	ug/kg dry	380	760	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/05/2020 18:13	03/06/2020 07:08	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	380	760	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/05/2020 18:13	03/06/2020 07:08	LLJ
91-20-3	Naphthalene	ND		ug/kg dry	380	1500	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJIE	03/05/2020 18:13	03/06/2020 07:08	LLJ
104-51-8	n-Butylbenzene	1700	CCV-E	ug/kg dry	380	760	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/05/2020 18:13	03/06/2020 07:08	LLJ
103-65-1	n-Propylbenzene	970		ug/kg dry	380	760	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/05/2020 18:13	03/06/2020 07:08	LLJ
95-47-6	o-Xylene	ND		ug/kg dry	380	760	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/05/2020 18:13	03/06/2020 07:08	LLJ
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	380	760	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/05/2020 18:13	03/06/2020 07:08	LLJ
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	380	760	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/05/2020 18:13	03/06/2020 07:08	LLJ
135-98-8	sec-Butylbenzene	1200		ug/kg dry	380	760	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/05/2020 18:13	03/06/2020 07:08	LLJ
98-06-6	tert-Butylbenzene	ND		ug/kg dry	380	760	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/05/2020 18:13	03/06/2020 07:08	LLJ
108-88-3	Toluene	ND		ug/kg dry	380	760	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/05/2020 18:13	03/06/2020 07:08	LLJ
1330-20-7	Xylenes, Total	ND		ug/kg dry	380	760	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/05/2020 18:13	03/06/2020 07:08	LLJ
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	90.5 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	99.4 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	101 %	76-130								

Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE	STRATFORD, CT 06615						132-02 89th AVENUE		RICHMOND HILL, NY 11418		
www.YORKLAB.com	(203) 325-1371						FAX (203) 357-0166		ClientServices@yorklab.com		



Sample Information

Client Sample ID: EP-4

York Sample ID: 20B1105-04

York Project (SDG) No.

20B1105

Client Project ID

98 Lorraine St Brooklyn

Matrix

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February 27, 2020 9:25 am

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Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	61	120	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 14:47	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	61	120	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 14:47	KH
120-12-7	Anthracene	850		ug/kg dry	61	120	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 14:47	KH
56-55-3	Benzo(a)anthracene	73	J	ug/kg dry	61	120	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 14:47	KH
50-32-8	Benzo(a)pyrene	62	J	ug/kg dry	61	120	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 14:47	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	61	120	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 14:47	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	61	120	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 14:47	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	61	120	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 14:47	KH
218-01-9	Chrysene	83	J	ug/kg dry	61	120	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 14:47	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	61	120	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 14:47	KH
206-44-0	Fluoranthene	260		ug/kg dry	61	120	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 14:47	KH
86-73-7	Fluorene	3000		ug/kg dry	61	120	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 14:47	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND	CCV-H	ug/kg dry	61	120	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 14:47	KH
91-20-3	Naphthalene	ND		ug/kg dry	61	120	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 14:47	KH
85-01-8	Phenanthrene	2700		ug/kg dry	61	120	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 14:47	KH
129-00-0	Pyrene	540		ug/kg dry	61	120	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 14:47	KH
Surrogate Recoveries		Result	Acceptance Range								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	70.0 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	56.7 %	21-113								
1718-51-0	Surrogate: SURR: Terphenyl-d14	42.5 %	24-116								

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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Sample Information

Client Sample ID: EP-4

York Sample ID: 20B1105-04

York Project (SDG) No.

Client Project ID

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98 Lorraine St Brooklyn

Soil

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Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	66.2		%	0.100	1	SM 2540G Certifications: CTDOH	03/02/2020 08:14	03/02/2020 13:27	JAG

Sample Information

Client Sample ID: EP-5

York Sample ID: 20B1105-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B1105

98 Lorraine St Brooklyn

Soil

February 27, 2020 9:58 am

02/28/2020

Volatile Organics, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	3.0	6.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/04/2020 13:18	03/04/2020 16:36	AS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	3.0	6.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/04/2020 13:18	03/04/2020 16:36	AS
71-43-2	Benzene	ND		ug/kg dry	3.0	6.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/04/2020 13:18	03/04/2020 16:36	AS
100-41-4	Ethyl Benzene	ND		ug/kg dry	3.0	6.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/04/2020 13:18	03/04/2020 16:36	AS
98-82-8	Isopropylbenzene	ND		ug/kg dry	3.0	6.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/04/2020 13:18	03/04/2020 16:36	AS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	3.0	6.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/04/2020 13:18	03/04/2020 16:36	AS
91-20-3	Naphthalene	ND		ug/kg dry	3.0	12	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJ	03/04/2020 13:18	03/04/2020 16:36	AS
104-51-8	n-Butylbenzene	ND		ug/kg dry	3.0	6.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/04/2020 13:18	03/04/2020 16:36	AS
103-65-1	n-Propylbenzene	ND		ug/kg dry	3.0	6.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/04/2020 13:18	03/04/2020 16:36	AS
95-47-6	o-Xylene	ND		ug/kg dry	3.0	6.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/04/2020 13:18	03/04/2020 16:36	AS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	3.0	6.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/04/2020 13:18	03/04/2020 16:36	AS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	3.0	6.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/04/2020 13:18	03/04/2020 16:36	AS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	3.0	6.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/04/2020 13:18	03/04/2020 16:36	AS



Sample Information

Client Sample ID: EP-5

York Sample ID: 20B1105-05

York Project (SDG) No.
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Client Project ID
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Volatile Organics, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-06-6	tert-Butylbenzene	ND		ug/kg dry	3.0	6.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/04/2020 13:18	03/04/2020 16:36	AS
108-88-3	Toluene	ND		ug/kg dry	3.0	6.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/04/2020 13:18	03/04/2020 16:36	AS
1330-20-7	Xylenes, Total	ND		ug/kg dry	3.0	6.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/04/2020 13:18	03/04/2020 16:36	AS
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	98.7 %		77-125							
2037-26-5	Surrogate: SURR: Toluene-d8	104 %		85-120							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	113 %		76-130							

Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	56	110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 15:18	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	56	110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 15:18	KH
120-12-7	Anthracene	500		ug/kg dry	56	110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 15:18	KH
56-55-3	Benzo(a)anthracene	1500		ug/kg dry	56	110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 15:18	KH
50-32-8	Benzo(a)pyrene	1500		ug/kg dry	56	110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 15:18	KH
205-99-2	Benzo(b)fluoranthene	1300		ug/kg dry	56	110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 15:18	KH
191-24-2	Benzo(g,h,i)perylene	860		ug/kg dry	56	110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 15:18	KH
207-08-9	Benzo(k)fluoranthene	1100		ug/kg dry	56	110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 15:18	KH
218-01-9	Chrysene	1400		ug/kg dry	56	110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 15:18	KH
53-70-3	Dibenzo(a,h)anthracene	200		ug/kg dry	56	110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 15:18	KH
206-44-0	Fluoranthene	2500		ug/kg dry	56	110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 15:18	KH
86-73-7	Fluorene	ND		ug/kg dry	56	110	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 15:18	KH
193-39-5	Indeno(1,2,3-cd)pyrene	1200	CCV-H	ug/kg dry	56	110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 15:18	KH



Sample Information

Client Sample ID: EP-5

York Sample ID: 20B1105-05

York Project (SDG) No.
20B1105

Client Project ID
98 Lorraine St Brooklyn

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February 27, 2020 9:58 am

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02/28/2020

Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-20-3	Naphthalene	ND		ug/kg dry	56	110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 15:18	KH
85-01-8	Phenanthrene	1800		ug/kg dry	56	110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 15:18	KH
129-00-0	Pyrene	2300		ug/kg dry	56	110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 15:18	KH
Surrogate Recoveries		Result		Acceptance Range							
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	108 %				22-108					
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	51.0 %				21-113					
1718-51-0	Surrogate: SURR: Terphenyl-d14	44.8 %				24-116					

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	73.8		%	0.100	1	SM 2540G Certifications: CTDOH	03/02/2020 08:14	03/02/2020 13:27	JAG

Sample Information

Client Sample ID: EP-6

York Sample ID: 20B1105-06

York Project (SDG) No.
20B1105

Client Project ID
98 Lorraine St Brooklyn

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Soil

Collection Date/Time
February 27, 2020 10:07 am

Date Received
02/28/2020

Volatile Organics, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/04/2020 13:18	03/04/2020 17:02	AS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/04/2020 13:18	03/04/2020 17:02	AS
71-43-2	Benzene	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/04/2020 13:18	03/04/2020 17:02	AS
100-41-4	Ethyl Benzene	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/04/2020 13:18	03/04/2020 17:02	AS
98-82-8	Isopropylbenzene	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/04/2020 13:18	03/04/2020 17:02	AS



Sample Information

Client Sample ID: EP-6

York Sample ID: 20B1105-06

York Project (SDG) No.
20B1105

Client Project ID
98 Lorraine St Brooklyn

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Collection Date/Time
February 27, 2020 10:07 am

Date Received
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Volatile Organics, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/04/2020 13:18	03/04/2020 17:02	AS
91-20-3	Naphthalene	ND		ug/kg dry	3.2	13	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJ	03/04/2020 13:18	03/04/2020 17:02	AS
104-51-8	n-Butylbenzene	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/04/2020 13:18	03/04/2020 17:02	AS
103-65-1	n-Propylbenzene	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/04/2020 13:18	03/04/2020 17:02	AS
95-47-6	o-Xylene	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/04/2020 13:18	03/04/2020 17:02	AS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/04/2020 13:18	03/04/2020 17:02	AS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/04/2020 13:18	03/04/2020 17:02	AS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/04/2020 13:18	03/04/2020 17:02	AS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/04/2020 13:18	03/04/2020 17:02	AS
108-88-3	Toluene	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/04/2020 13:18	03/04/2020 17:02	AS
1330-20-7	Xylenes, Total	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/04/2020 13:18	03/04/2020 17:02	AS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	96.6 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	106 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	108 %			76-130						

Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	820		ug/kg dry	54	110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 15:48	KH
208-96-8	Acenaphthylene	310		ug/kg dry	54	110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 15:48	KH
120-12-7	Anthracene	1900		ug/kg dry	54	110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 15:48	KH
56-55-3	Benzo(a)anthracene	6600		ug/kg dry	270	540	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/06/2020 11:40	KH
50-32-8	Benzo(a)pyrene	6300		ug/kg dry	270	540	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/06/2020 11:40	KH



Sample Information

Client Sample ID: EP-6

York Sample ID: 20B1105-06

York Project (SDG) No.
20B1105

Client Project ID
98 Lorraine St Brooklyn

Matrix
Soil

Collection Date/Time
February 27, 2020 10:07 am

Date Received
02/28/2020

Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
205-99-2	Benzo(b)fluoranthene	5900		ug/kg dry	270	540	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/06/2020 11:40	KH
191-24-2	Benzo(g,h,i)perylene	3800		ug/kg dry	270	540	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/06/2020 11:40	KH
207-08-9	Benzo(k)fluoranthene	4300		ug/kg dry	270	540	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/06/2020 11:40	KH
218-01-9	Chrysene	6100		ug/kg dry	270	540	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/06/2020 11:40	KH
53-70-3	Dibenzo(a,h)anthracene	1000		ug/kg dry	54	110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 15:48	KH
206-44-0	Fluoranthene	12000		ug/kg dry	270	540	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/06/2020 11:40	KH
86-73-7	Fluorene	860		ug/kg dry	54	110	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 15:48	KH
193-39-5	Indeno(1,2,3-cd)pyrene	5000	CCV-H	ug/kg dry	270	540	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/06/2020 11:40	KH
91-20-3	Naphthalene	530		ug/kg dry	54	110	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/05/2020 15:48	KH
85-01-8	Phenanthrene	9600		ug/kg dry	270	540	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/06/2020 11:40	KH
129-00-0	Pyrene	12000		ug/kg dry	270	540	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2020 13:45	03/06/2020 11:40	KH
Surrogate Recoveries		Result	Acceptance Range								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	86.6 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	67.1 %	21-113								
1718-51-0	Surrogate: SURR: Terphenyl-d14	56.1 %	24-116								

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	77.4		%	0.100	1	SM 2540G Certifications: CTDOH	03/02/2020 08:14	03/02/2020 13:27	JAG



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
20B1105-01	EP-1	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
20B1105-02	EP-2	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
20B1105-03	EP-3	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
20B1105-04	EP-4	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
20B1105-05	EP-5	40mL Vial with Stir Bar-Cool 4° C
20B1105-06	EP-6	40mL 01_Clear Vial Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

S-08	The recovery of this surrogate was outside of QC limits.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
CCV-H	The value reported is estimated due to its behavior during continuing calibration verification (>20% difference for average RF or >20% drift for linear or quadratic fit.) This value may be biased high.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.



2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.



York Analytical Laboratories, Inc.
120 Research Drive
Stratford, CT 06615
clientservices@yorklab.com
www.yorklab.com



Field Chain-of-Custody Record

YORK Project No.

2031105

Page of

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document. This document serves as your written authorization for YORK to proceed with the analyses requested below. Your signature binds you to YORK's Standard Terms & Conditions.

YOUR INFORMATION		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company	Address	Company	Address	Company	Address	7409		RUSH - Next Day	
Address	Address	Company	Address	Company	Address	98 Lorraine St		RUSH - Two Day	
Phone	Phone	Company	Address	Company	Address	Brooklyn		RUSH - Three Day	
Contact	Contact	Company	Address	Company	Address	YOUR PO#:		RUSH - Four Day	
E-mail	E-mail	Company	Address	Company	Address			Standard (5-7 Day)	

Matrix Codes		Samples From		Report / EDD Type (circle selections)		YORK Reg. Comp.	
S - soil / solid	New York	Summary Report	CT RCP	Standard Excel EDD	Compared to the following Regulation(s): (please fill in)		
GW - groundwater	New Jersey	QA Report	CT RCP DQA/DUE	EQULS (Standard)			
DW - drinking water	Connecticut	NY ASP A Package	NJDEP Reduced Deliverables	NYSDEC EQUIS			
WW - wastewater	Pennsylvania	NY ASP B Package	NJDKQP	NJDEP SRP HazSite			
O - Oil / Other	Other			Other:			

Sample Identification		Sample Matrix		Date/Time Sampled		Analysis Requested		Container Description	
EP-1	S	S	2/27/20	8:55	CP-31 VOC + SVOC	(1) terracore 10			
EP-2	S	S	2/27/20	9:05		(1) 802 jar			
EP-3	S	S	2/27/20	9:15					
EP-4	S	S	2/27/20	9:25					
EP-5	S	S	2/27/20	9:58					
EP-6	S	S	2/27/20	10:07		terracore + (2) 402			

Comments:		Preservation: (check all that apply)		Special Instruction		
HCl	MeOH	HNO ₃	H ₂ SO ₄	NaOH	ZnAc	Field Filtered
Ascorbic Acid	Other					Lab to Filter
Date/Time	Date/Time	Date/Time	Date/Time	Date/Time	Date/Time	Date/Time
2/28/20	8:20 AM	2/28/20	8:20 AM	2/28/20	16:53	2/28/20 16:53
Samples Relinquished by / Company	Samples Relinquished by / Company	Samples Relinquished by / Company	Samples Relinquished by / Company	Samples Relinquished by / Company	Samples Relinquished by / Company	Samples Relinquished by / Company
Received by / Company	Received by / Company	Received by / Company	Received by / Company	Received by / Company	Received by / Company	Received by / Company
Relinquished by / Company	Relinquished by / Company	Relinquished by / Company	Relinquished by / Company	Relinquished by / Company	Relinquished by / Company	Relinquished by / Company
Date/Time	Date/Time	Date/Time	Date/Time	Date/Time	Date/Time	Date/Time
2/28/20	2/28/20	2/28/20	2/28/20	2/28/20	2/28/20	2/28/20
Temp. Received at Lab	Temp. Received at Lab	Temp. Received at Lab	Temp. Received at Lab	Temp. Received at Lab	Temp. Received at Lab	Temp. Received at Lab
2.1	2.1	2.1	2.1	2.1	2.1	2.1

Appendix D

SOB# 7409

** Receipt **

Benson Scrap Metal

543 Smith St.
Brooklyn, NY 11231
Phone : (718) 722-7754

Receipt # : 00345922
Scale Ticket # : 00357266
Supplier : AARCO01 AARCO ENVIROMENTAL
50 GEAR AVE
LINDENHURST NY

Amount : \$196.00
Paid by : ATM
Date Paid : 27 Feb 2020 11:38 am
Tax Date : 27 Feb 2020
Paid To : AARCO ENVIROMENTAL
Mat Rcv'd : 27 Feb 2020

Material	Price	Ext
HEAVY IRON		
3,260 LBS		

Gross : 41,320 LBS
Tare : 38,060 LBS
Net : 3,260 LBS

DCA License No. 0987300
All Materials Are Guaranteed Not
To Be Stolen And Free Of CFC and HCFC

Appendix E



NYC Parks

John V. Luisi
Assistant Commissioner for
Agency Compliance

T 212.360.3431

E John.Luisi@parks.nyc.gov

City of New York
Parks & Recreation

The Arsenal
Central Park
New York, NY 10065
www.nyc.gov/parks

Thursday, February 20, 2020

Les Zielinski
NYSDEC Tank Registration – PBS Unit
47-40 21st Street
Long Island City, NY 11101

**Re: The Remediation and Reconstruction of Ballfields 5 – 8, Bounded by Lorraine, Bay, Hicks and Henry Streets, in Redhook Recreation Area, Borough of Brooklyn
Petroleum Bulk Storage (PBS) Registration**

Dear Mr. Zielinski,

The Remediation and Reconstruction of Ballfields 5 – 8 in Redhook Recreation Area is currently under construction and entails the comprehensive environmental remediation of a 4-acre site under a Consent Order issued by the United States Environmental Protection Agency (EPA). Consent order Index No. CERCLA-02-2016-2010, Columbia Smelting and Refining Works Site.

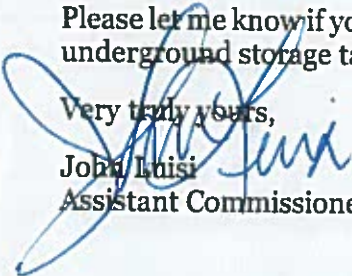
On December 12, 2019, during excavation operations for the Lorraine Street drainage connection, the Contractor exposed an Underground Storage Tank (UST). Submitted herewith, is a Petroleum Bulk Storage (PBS) Application to register the tank with the New York State Department of Environmental Conservation. As this tank was only discovered during construction and the city-owned site has been used as a ballfield since the 1940's, there is no formal record of this tank. The size of the tank is 4000 gallons and it is to be removed with any remaining contents from the site. The soils around and beneath the tank will be sampled in accordance with NYSDEC protocols for tank closures to confirm if they are petroleum impacted and will be removed off-site if warranted in accordance with NYSDEC Solid Waste Regulations. A closure report and FDNY affidavit will be prepared and sent to NYSDEC post-removal/closure. The tank will be removed promptly upon tank registration and receipt of relevant contractual approvals.

Ballfields 5 – 8 encompass an area of 4.17 acres that is part of the overall 58.5 acre Redhook Recreation Area complex. The site was a former manufacturing site that included a facility that was operated by smelting and refining companies, including Columbia Smelting & Refining Works, from the late 1920's through the late 1930's. It included a building which was built in the mid-1920's and demolished in approximately 1940, which was used as a smelting works and refinery. The site was acquired by the New York City Parks Department at some point between 1935 and 1947, and it has been operated by Parks as a public park area with no buildings since that time.

As per the EPA Consent Order, the EPA removal action requires a 1' minimum clean cover over contaminated soil for all unpaved areas. The proposed remedy for the site includes converting the four (4) ballfields from natural turf to synthetic turf over clean fill and a demarcation layer.

Please let me know if you require additional information in order to register this abandoned underground storage tank. Thank you.

Very truly yours,


John Luisi
Assistant Commissioner for Agency Compliance

Petroleum Bulk Storage Application

Pursuant to the Environmental Conservation Law: Article 17, Title 10; and
Regulations 6 NYCRR Part 613 and 6 NYCRR Subpart 374-2

(Please Type or Print Clearly and Complete All Items for Sections A, B & C)

Return Completed Form To:



PBS Number:

Section A - Facility/Property Owner/Contact Information

Expiration Date:

Transaction Type: <u>1</u> 1) Initial/New Facility 2) Change of Ownership 3) Tank Installation, Closing, or Repair 4) Information Correction 5) Renewal	F A C I L I T Y	Facility Name: Red Hook Park Ballfield 5 - 8	Tax Map Info Block: 581 Lot: 1		TYPE OF PETROLEUM FACILITY (Check only one) ☐ 01=Storage Terminal/Petrol. Distributor ☐ 02=Retail Gasoline Sales ☐ 03=Other Retail Sales ☒ 04=Manufacturing ☐ 05=Utility ☐ 06=Trucking/Transportation/Fleet ☐ 07=Apartment/Office Building ☐ 08=School ☐ 09=Farm ☐ 10=Private Residence ☐ 11=Airline/Air Taxi/Airport ☐ 12=Chemical Distributor ☐ 13=Municipality ☐ 15=Railroad ☐ 25=Auto Service/Repair (No Gasoline) ☐ 26=Religious (Church, Synagogue, Mosque, Temple, etc.) ☐ 27=Hospital/Nursing Home/Health Care ☐ 28=Cemetery/Memorial ☐ 52=Marina ☐ 53=Nuclear Power Plant ☐ 99=Other (Specify):		
		Facility Address (Physical Address, No P.O. Boxes): 98 Lorraine Street		Facility Address (cont.):			
		City: Brooklyn State: NY ZIP Code: 11231		Facility Phone Number: 860-705-2116			
		County: Kings Township/City: New York		Facility Operator: Ryan Neilan			
		Emergency Contact Name: Ryan Neilan		Emergency Telephone Number: 860-705-2116			
NOTE: Fill in Property Owner information here....>>> Indicate Tank Owner in Section C.	O W N E R	Facility (Property) Owner (from Deed): New York City Department of Parks & Recreation					
		Facility Owner Address (Street and/or P.O. Box): 830 Fifth Avenue					
		City: New York State: NY ZIP Code: 10021		Federal Tax ID Number: 13-6400434			
		Owner Telephone Number: 212-410-8916		Name of Owner or Authorized Representative: John Luisi			
		Type of Owner (check only one): 1 ☐ Private Resident 2 ☐ State Government 3 ☒ Local Government 4 ☐ Federal Government 5 ☐ Corporate/Commercial/Other		Amount Enclosed: \$ 300.00			
Official Use Only Date Received: Date Processed: Amount Received: Reviewed By: Rev. 8/2/2017	C O R R E S P O N D E N C E	(Please keep this information up to date.) Facility Contact Person Name: Gabe Ramos					
		Contact Person Company Name: NYC Parks and Recreation					
		Address: 20 Bronx Shore Road					
		Address (cont.): Randall's Island					
		City/State/ZIP Code: New York, NY 10035					
Tel. Number: 212-410-8916		eMail Address: gabriel.ramos@parks.nyc.gov		Signature: <i>[Signature]</i> Date: 20 FEB 2020			

PBS Number:

Section B - Tank Information

Page 2 of 3

(Please use the key located on the last page to complete each item/column)

Registration Expiration Date:

[illegible]

Note: If you need to add tanks to your registration, write them in using blank lines above. Attach additional sheets as needed.

Blank Section B is available at http://www.dec.ny.gov/docs/remediation_hudson_pdf/pbsrenewal.pdf

****NOTE:** The location was a former manufacturing site but has been an open recreational field with no buildings since the 1940's.

PBS Number:

Petroleum Bulk Storage Application

Section C - Tank Ownership Information (for PBS tanks listed in Section B)

Tank Owner Information ☒ Check box if same as Facility (Property) Owner. If tank owner is different from property owner, fill out information below:		
Tank Owner Name (Company/Individual):		
Contact Person:		
Tank Owner Address:		
City:	State:	ZIP:
Contact Person Telephone Number:	Contact Person email:	
Specific Tanks Owned ☒ Check box if this owner owns all tanks at this facility. If not, list tanks owned by this owner below:		
Tank Number:		
Name of Class B (Daily On-Site) Operator:	Authorization No:	
Name of Class A (Primary) Operator:	Authorization No:	

Tank Owner Information ☐ Check box if same as Facility (Property) Owner. If tank owner is different from property owner, fill out information below:		
Tank Owner Name (Company/Individual):		
Contact Person:		
Tank Owner Address:		
City:	State:	ZIP:
Contact Person Telephone Number:	Contact Person email:	
Specific Tanks Owned ☐ Check box if this owner owns all tanks at this facility. If not, list tanks owned by this owner below:		
Tank Number:		
Name of Class B (Daily On-Site) Operator:	Authorization No:	
Name of Class A (Primary) Operator:	Authorization No:	

PETROLEUM BULK STORAGE APPLICATION - SECTION B - TANK INFORMATION - CODE KEYS

Action (1)

1. Initial Listing
2. Add Tank
3. Close/Remove Tank
4. Information Correction
5. Repair/Reline Tank

Tank Location (3)

1. Aboveground-contact w/soil
2. Aboveground-contact w/impervious barrier
3. Aboveground on saddles, legs, stilts, rack or cradle
4. Partially buried tank (tank with 10% or more below ground)
5. Underground including vaulted with no access for inspection
6. Aboveground in Subterranean Vault w/access for inspections

Status (4)

1. In-service
2. Out-of-service
3. Closed-Removed
4. Closed- In Place
5. Tank converted to Non-Regulated use

Products Stored (7)

Heating Oils: On-Site Consumption

- 0001. #2 Fuel Oil
- 0002. #4 Fuel Oil
- 0259. #5 Fuel Oil
- 0003. #6 Fuel Oil
- 0012. Kerosene
- 0591. Clarified Oil
- 2711. Biodiesel (Heating)
- 2642. Used Oil (Heating)

Heating Oils: Resale/Redistribution

- 2718. #2 Fuel Oil
- 2719. #4 Fuel Oil
- 2720. #5 Fuel Oil
- 2721. #6 Fuel Oil
- 2722. Kerosene
- 2723. Clarified Oil

Motor Fuels

- 0009. Gasoline
- 2712. Gasoline/Ethanol

- 0008. Diesel
- 2710. Biodiesel
- 0011. Jet Fuel
- 1044. Jet Fuel (Biofuel)
- 2641. Aviation Gasoline

Emergency Generator Fuels

- 0001. #2 Fuel Oil
- 2730. Biodiesel (E-Gen)
- 2731. Diesel (E-Gen)

Lubricating/Cutting Oils

- 0013. Lube Oil
- 0015. Motor Oil
- 1045. Gear/Spindle Oil
- 0010. Hydraulic Oil
- 0007. Cutting Oil
- 0021. Transmission Fluid
- 1836. Turbine Oil
- 0308. Petroleum Grease

Oils Used as Building Materials

- 2626. Asphaltic Emulsions
- 0748. Form Oil

Petroleum Spirits

- 0014. White/Mineral Spirits
- 1731. Naptha

Mineral/Insulating Oils

- 0020. Insulating Oil (e.g., Transformer, Cable Oil)
- 2630. Mineral Oil

Waste/Used/Other Oils

- 0022 Waste/Used Oil
- 9999. Other-Please list:*

Crude Oil

- 0006. Crude Oil
- 0701. Crude Oil Fractions

Tank Type (8)

- 01. Steel/Carbon Steel/Iron
- 02. Galvanized Steel Alloy
- 03. Stainless Steel Alloy
- 04. Fiberglass Coated Steel
- 05. Steel Tank in Concrete
- 06. Fiberglass Reinforced Plastic (FRP)
- 07. Plastic
- 08. Equivalent Technology

- 09. Concrete
- 10. Urethane Clad Steel
- 99. Other-Please list:*

Internal Protection (9)

- 00. None
- 01. Epoxy Liner
- 02. Rubber Liner
- 03. Fiberglass Liner (FRP)
- 04. Glass Liner
- 99. Other-Please list:*

External Protection (10/18)

- 00. None
- 01. Painted/Asphalt Coating
- 02. Original Sacrificial Anode
- 03. Original Impressed Current
- 04. Fiberglass
- 05. Jacketed
- 06. Wrapped (Piping)
- 07 Retrofitted Sacrificial Anode
- 08. Retrofitted Impressed Current
- 09. Urethane
- 99. Other-Please list:*

Tank Secondary Containment (11)

- 00. None
- 01. Diking (AST Only)
- 02. Vault (w/access)
- 03. Vault (w/o access)
- 04. Double-Walled (UST Only)
- 05. Synthetic Liner
- 06. Remote Impounding Area
- 07. Excavation Liner
- 09. Modified Double-Walled (AST Only)
- 10. Impervious Underlayment (AST Only)**
- 11. Double Bottom (AST Only)**
- 12. Double-Walled (AST Only)
- 99. Other - Please list*

Tank Leak Detection (12)

- 00. None
- 01. Interstitial Electronic Monitoring
- 02. Interstitial Manual Monitoring
- 03. Vapor Well
- 04. Groundwater Well
- 05. In-Tank System (Auto Tank

- 06. Impervious Barrier/Concrete Pad (AST Only)
- 07. Statistical Inventory Reconciliation (SIR)
- 08. Weep holes in vaults with no access for inspection
- 99. Other-Please list: *

Overfill Protection (13)

- 00. None
- 01. Float Vent Valve
- 02. High Level Alarm
- 03. Automatic Shut-Off
- 04. Product Level Gauge (AST Only)
- 05. Vent Whistle
- 99. Other-Please list:*

Spill Prevention (14)

- 00. None
- 01. Catch Basin
- 99. Other-Please list:*

Pumping/Dispensing Method (15)

- 00. None
- 01. Presurized Dispenser
- 02. Suction Dispenser
- 03. Gravity
- 04. On-Site Heating System (Suction)
- 05. On-Site Heating System (Supply/Return)
- 06. Tank-Mounted Dispenser
- 07. Loading Rack/Transfer Pump

Piping Location (16)

- 00. No Piping
- 01. Aboveground
- 02. Underground/On-ground
- 03. Aboveground/Underground Combination

Piping Type (17)

- 00. None
- 01. Steel/Carbon Steel/Iron
- 02. Galvanized Steel
- 03. Stainless Steel Alloy
- 04. Fiberglass Coated Steel
- 05. Steel Encased in Concrete

- 06. Fiberglass Reinforced Plastic (FRP)
- 07. Plastic
- 08. Equivalent Technology
- 09. Concrete
- 10. Copper
- 11. Flexible Piping
- 99. Other-Please list:*

Piping Secondary Containment (19)

- 00. None
- 01. Diking (Aboveground Only)
- 02. Vault (w/access)
- 04. Double-Walled (Underground Only)
- 06. Remote Impounding Area
- 07. Trench Liner
- 12. Double-Walled (Aboveground Only)
- 99. Other-Please list: *

Pipe Leak Detection (20)

- 00. None
- 01. Interstitial Electronic Monitoring
- 02. Interstitial Manual Monitoring
- 03. Vapor Well
- 04. Groundwater Well
- 07. Pressurized Piping Leak Detector
- 09. Exempt Suction Piping
- 10. Statistical Inventory Reconciliation (SIR)
- 99. Other-Please list:*

Under Dispenser Containment

(UDC) (21)

Check Box if Present

* If other, please list on a separate sheet including tank number,

** Each of these codes must be combined with code 01 or 06 to meet compliance requirements.

New York State Department of Environmental Conservation
Pre-Work Notification for Bulk Storage (PBS or CBS) Tank Installation or Closure



This form provides notice of an upcoming tank installation and/or closure per 6 NYCRR Sections 613-1.9(h) and (f), 613-2.6(b) (1), 613-3.5 (b) (1) and 613-4.5 (b) (1) of the Petroleum Bulk Storage (PBS) Regulations, or 6 NYCRR Sections 596.2(f) and (h) of the Chemical Bulk Storage (CBS) Regulations. Submit the completed form to the Department's Regional Office at least 30 days prior to action for PBS tank installation * and permanent closure** ; at least 3 days prior for CBS tank installation *** . For CBS permanent tank closure, a minimum of 3 day prior notice is recommended. **If the schedule for work changes you must notify the Department's Regional Office before work begins. Once the work is complete, the facility (property) owner is responsible for submitting a PBS or CBS application to the Department with the complete tank information including the date the action was completed.** The Owner is also responsible to ensure that all work is completed in compliance with the applicable PBS or CBS regulations (i.e., Parts 613 or 598/599). Any questions, call the Department's Regional Office. Information on the Chemical and Petroleum Bulk Storage Programs be found at: <http://www.dec.ny.gov/chemical/287.html>

*not required for temporary tank system

** unless in response to corrective action

*** unless immediate action is required

Check Applicable Program: ☒ PBS ☐ CBS Facility PBS or CBS Registration No. _____

Site Name: Red Hook Park Ballfield 5 - 8	Contractor: AARCO Environmental Services Corp.
Site Address: 98 Lorraine Street	Address: 50 Gear Avenue
Site Address (cont): Brooklyn, NY 11231	Address(cont): Lindenhurst, NY 11757
Site Contact: Ryan Neilan	Contact: Steve Plofker
Phone Number: 860-705-2116	Phone Number: (631) 586-5900
Fax Number: 	Fax Number: (631) 586-5910
Email Address: Ryan.Neilan@aecom.com	Email Address: splofker@aarcoenvironmental.com

Tank Number	Type of Action (Close & Remove, Close in Place, Install)	Proposed Date (mm/dd/yy)	Tank Location (Aboveground or Underground)	Capacity (Gallons)	Spills/Leaks? (Yes/No w/Spill # if Yes)	Reason for Action
001	Close and Remove		Underground	4000	No	Abandoned

I hereby certify under penalty of law that the information provided on this form is true to the best of my knowledge and belief. False statements made herein are punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.

Name of Owner or Authorized Representative (print): John Luisi Title: Assistant Commissioner for Agency Compliance

Signature Date 20 FEB 2020

revised 02/01/2017



PBS Number
2-613138

New York State Department of Environmental Conservation
PETROLEUM BULK STORAGE CERTIFICATE
625 Broadway, 11th Floor, Albany, NY 12233-7020 Phone: 518-402-9553

Region 2 NYSDEC - PBS Unit
47-40 21st Street, 1st Floor
Long Island City, NY 11101-5407
(718) 482-6454

<u>TANK NUMBER</u>	<u>TANK SUBPART</u>	<u>TANK CATEGORY</u>	<u>TANK LOCATION</u>	<u>DATE INSTALLED</u>	<u>TANK TYPE</u>	<u>PRODUCT STORED</u>	<u>CAPACITY (GALLONS)</u>
001	2	3	Underground including vaulted with no access for inspection	02/28/2020	Steel/Carbon Steel/Iron	other	4,000

PBS regulations are available at http://www.dec.ny.gov/docs/remediation_hudson_pdf/part613text.pdf.

FACILITY NAME AND ADDRESS:
RED HOOK PARK BALLFIELD 5-8
98 LORRAINE STREET
BROOKLYN, NY 11231

FACILITY (PROPERTY) OWNER:
NEW YORK CITY DEPARTMENT OF PARKS &
830 FIFTH AVENUE
NEW YORK, NY 10021

Facility Operator: RYAN NEILAN

Tank Owner Name:
Same as Property Owner

Emergency Contact Name: RYAN NEILAN
Emergency Contact Phone Number: (860) 705-2116

Facility Phone Number
(860) 705-2116
MAILING CORRESPONDENCE:

ISSUED BY: Commissioner
Basil Seggos
PBS NUMBER: 2-613138
DATE ISSUED: 03/03/2020
EXPIRATION DATE: 02/28/2025
FEE PAID: \$300.00

GABE RAMOS
NYC PARKS AND RECREATION
20 BRONX SHORE ROAD
RANDALL'S ISLAND
NEW YORK, NY 10035

As the owner of this facility and/or the tanks at this facility, the receipt, posting, and use of this certificate is an acknowledgement that I am responsible to the extent required by law for ensuring that this facility is in compliance with all regulations for the bulk storage of petroleum including those regarding equipment requirements, inspections, handling procedures, recordkeeping, registration requirements, providing advanced notice to the Department of major changes to a tank system, spill reporting, and all other applicable requirements. Violations may be punishable as a criminal offense and/or a civil violation in accordance with applicable state and federal law.

This registration certificate must be kept current and conspicuously posted at this facility at all times. Posting must be at the tank, at the entrance of the facility, or the main office where the storage tanks are located.

Spills must be reported to the DEC within two hours (1-800-457-7362).

Signature of Facility Owner/Authorized Representative

Date

G. Ramos, Dep. Chief
Printed Name and Title of Facility Owner/Authorized Representative



AARCO Environmental Services Corp.

Date: 4-May-20

New York City Fire Department
Bureau of Fire Prevention
9 MetroTech Center
Brooklyn, NY 11201

**** AFFIDAVIT ****

Site Location: 98 Lorraine Street, Brooklyn NY 11231
Job Description: Removal of one (1) 3,000 Gallon Underground
Storage Tank

In accordance with Title 3 RCNY at 21-02 and FDNY Code R3404-01:

I have supervised the permanent removal of: one (1) 3,000 G Underground
Storage Tank(s) at: 98 Lorraine Street, Brooklyn NY 11231

- Contents of tank(s) were removed and legally disposed of.
- Tanks were thoroughly cleaned and rendered free of combustible vapors.
- All pipes were removed.
- Fill ports were removed/abandoned with concrete/capped.
- Work was performed on: 27-Feb-20
- Tanks was: Removed
- Environmental site assessment has been performed in accordance with the requirements of federal or state law/regulations.

Roger Terlaga

New York City Underground Tank Installer

Certified of License # 85314227, expiration: 7/22/2021

PAMELA PINK
NOTARY PUBLIC-STATE OF NEW YORK
No. 01PI6140141
Qualified in Suffolk County
My Commission Expires 01-23-2022

Sworn before me this 4 day of May-20

Notary Public

50 Gear Avenue, Lindenhurst, NY 11757

Phone: (631) 586-5900

Fax: (631) 586-5910

Petroleum Bulk Storage Application

Pursuant to the Environmental Conservation Law: Article 17, Title 10; and

Regulations 6 NYCRR Part 613 and 6 NYCRR Subpart 374-2

(Please Type or Print Clearly and Complete All Items for Sections A, B & C)

Return Completed Form To:



PBS Number:

Section A - Facility/Property Owner/Contact Information

Expiration Date:

Transaction Type: ☐ 1 1) Initial/New Facility 2) Change of Ownership 3) Tank Installation, Closing, or Repair 4) Information Correction 5) Renewal	F A C I L I T Y	Facility Name: Red Hook Park Ballfield 5 - 8		Tax Map Info		TYPE OF PETROLEUM FACILITY (Check only one) ☐ 01=Storage Terminal/Petrol. Distributor ☐ 02=Retail Gasoline Sales ☐ 03=Other Retail Sales ☒ 04=Manufacturing ☐ 05=Utility ☐ 06=Trucking/Transportation/Fleet ☐ 07=Apartment/Office Building ☐ 08=School ☐ 09=Farm ☐ 10=Private Residence ☐ 11=Airline/Air Taxi/Airport ☐ 12=Chemical Distributor ☐ 13=Municipality ☐ 15=Railroad ☐ 25=Auto Service/Repair (No Gasoline) ☐ 28=Cemetery/Memorial ☐ 26=Religious (Church, Synagogue, Mosque, Temple, etc.) ☐ 27=Hospital/Nursing Home/Health Care ☐ 52=Marina 53=Nuclear Power Plant ☐ 99=Other (Specify):		
		Facility Address (Physical Address, No P.O. Boxes): 98 Lorraine Street		Block: 581				
		Facility Address (cont.):		Lot: 1				
		City: Brooklyn		State: NY	ZIP Code: 11231			
		County: Kings	Township/City: New York		Facility Phone Number: 860-705-2116			
Facility Operator: Ryan Neilan		Emergency Contact Name:		Emergency Telephone Number:				
NOTE: Fill in Property Owner information here....>>> Indicate Tank Owner in Section C.	O W N E R	Facility (Property) Owner (from Deed): New York City Department of Parks & Recreation				I hereby certify, under penalty of law, that all of the information provided on this form is true and correct. False statements made herein may be punishable as a criminal offense and/or a civil violation in accordance with applicable state and federal law. Name of Owner or Authorized Representative: <u>John Luisi</u> Amount Enclosed: \$ Title: Assistant Commissioner for Agency Compliance Signature: _____ Date: _____		
		Facility Owner Address (Street and/or P.O. Box): 830 Fifth Avenue						
		City: New York		State: NY	ZIP Code: 10021			
		Federal Tax ID Number: 13-6400434		Owner Telephone Number: 212-410-8916				
		Type of Owner (check only one): 1 ☐ Private Resident 2 ☐ State Government		3 ☒ Local Government 4 ☐ Federal Government 5 ☐ Corporate/Commercial/Other				
Official Use Only Date Received: ____/____/____ Date Processed: ____/____/____ Amount Received: \$_____ Reviewed By: _____ Rev. 8/2/2017	C O R R E S P O N D E N C E	(Please keep this information up to date.)						
		Facility Contact Person Name: Gabe Ramos						
		Contact Person Company Name: NYC Parks and Recreation						
		Address: 20 Bronx Shore Road						
		Address (cont.): Randall's Island						
		City/State/ZIP Code: New York, NY 10035						
		Tel. Number: 212-410-8916			eMail Address: gabriel.ramos@parks.nyc.gov			

PBS Number:

Section B - Tank Information

Page 2 of 3

(Please use the key located on the last page to complete each item/column)

Registration Expiration Date:

[illegible]

Note: If you need to add tanks to your registration, write them in using blank lines above. Attach additional sheets as needed.

Blank Section B is available at http://www.dec.ny.gov/docs/remediation_hudson_pdf/pbsrenewal.pdf

****NOTE:** The location was a former manufacturing site but has been an open recreational field with no buildings since the 1940's.

PBS Number:

Petroleum Bulk Storage Application

Section C - Tank Ownership Information (for PBS tanks listed in Section B

Tank Owner Information ☒ Check box if same as Facility (Property) Owner. If tank owner is different from property owner, fill out information below:		
Tank Owner Name (Company/Individual):		
Contact Person:		
Tank Owner Address:		
City:	State:	ZIP:
Contact Person Telephone Number:	Contact Person email:	
Specific Tanks Owned ☒ Check box if this owner owns all tanks at this facility. If not, list tanks owned by this owner below:		
Tank Number:		
Name of Class B (Daily On-Site) Operator:	Authorization No:	
Name of Class A (Primary) Operator:	Authorization No:	

Tank Owner Information ☐ Check box if same as Facility (Property) Owner. If tank owner is different from property owner, fill out information below:		
Tank Owner Name (Company/Individual):		
Contact Person:		
Tank Owner Address:		
City:	State:	ZIP:
Contact Person Telephone Number:	Contact Person email:	
Specific Tanks Owned ☐ Check box if this owner owns all tanks at this facility. If not, list tanks owned by this owner below:		
Tank Number:		
Name of Class B (Daily On-Site) Operator:	Authorization No:	
Name of Class A (Primary) Operator:	Authorization No:	

PETROLEUM BULK STORAGE APPLICATION - SECTION B - TANK INFORMATION - CODE KEYS

Action (1)

1. Initial Listing
2. Add Tank
3. Close/Remove Tank
4. Information Correction
5. Repair/Reline Tank

Tank Location (3)

1. Aboveground-contact w/soil
2. Aboveground-contact w/impervious barrier
3. Aboveground on saddles, legs, stilts, rack or cradle
4. Partially buried tank (tank with 10% or more below ground)
5. Underground including vaulted with no access for inspection
6. Aboveground in Subterranean Vault w/access for inspections

Status (4)

1. In-service
2. Out-of-service
3. Closed-Removed
4. Closed- In Place
5. Tank converted to Non-Regulated use

Products Stored (7)

Heating Oils: On-Site Consumption

0001. #2 Fuel Oil
0002. #4 Fuel Oil
0259. #5 Fuel Oil
0003. #6 Fuel Oil
0012. Kerosene
0591. Clarified Oil
2711. Biodiesel (Heating)
2642. Used Oil (Heating)

Heating Oils: Resale/Redistribution

2718. #2 Fuel Oil
2719. #4 Fuel Oil
2720. #5 Fuel Oil
2721. #6 Fuel Oil
2722. Kerosene
2723. Clarified Oil

Motor Fuels

0009. Gasoline
2712. Gasoline/Ethanol

0008. Diesel
2710. Biodiesel
0011. Jet Fuel
1044. Jet Fuel (Biofuel)
2641. Aviation Gasoline

Emergency Generator Fuels

0001. #2 Fuel Oil
2730. Biodiesel (E-Gen)
2731. Diesel (E-Gen)

Lubricating/Cutting Oils

0013. Lube Oil
0015. Motor Oil
1045. Gear/Spindle Oil
0010. Hydraulic Oil
0007. Cutting Oil
0021. Transmission Fluid
1836. Turbine Oil
0308. Petroleum Grease

Oils Used as Building Materials

2626. Asphaltic Emulsions
0748. Form Oil

Petroleum Spirits

0014. White/Mineral Spirits
1731. Naptha

Mineral/Insulating Oils

0020. Insulating Oil (e.g., Transformer, Cable Oil)
2630. Mineral Oil

Waste/Used/Other Oils

- 0022 Waste/Used Oil
9999. Other-Please list:*

Crude Oil

0006. Crude Oil
0701. Crude Oil Fractions

Tank Type (8)

01. Steel/Carbon Steel/Iron
02. Galvanized Steel Alloy
03. Stainless Steel Alloy
04. Fiberglass Coated Steel
05. Steel Tank in Concrete
06. Fiberglass Reinforced Plastic (FRP)
07. Plastic
08. Equivalent Technology

09. Concrete
10. Urethane Clad Steel
99. Other-Please list:*

Internal Protection (9)

00. None
01. Epoxy Liner
02. Rubber Liner
03. Fiberglass Liner (FRP)
04. Glass Liner
99. Other-Please list:*

External Protection (10/18)

00. None
01. Painted/Asphalt Coating
02. Original Sacrificial Anode
03. Original Impressed Current
04. Fiberglass
05. Jacketed
06. Wrapped (Piping)
07. Retrofitted Sacrificial Anode
08. Retrofitted Impressed Current
09. Urethane
99. Other-Please list:*

Tank Secondary Containment (11)

00. None
01. Diking (AST Only)
02. Vault (w/access)
03. Vault (w/o access)
04. Double-Walled (UST Only)
05. Synthetic Liner
06. Remote Impounding Area
07. Excavation Liner
09. Modified Double-Walled (AST Only)
10. Impervious Underlayment (AST Only)**
11. Double Bottom (AST Only)**
12. Double-Walled (AST Only)
99. Other - Please list*

Tank Leak Detection (12)

00. None
01. Interstitial Electronic Monitoring
02. Interstitial Manual Monitoring
03. Vapor Well
04. Groundwater Well
05. In-Tank System (Auto Tank

06. Impervious Barrier/Concrete Pad (AST Only)
07. Statistical Inventory Reconciliation (SIR)
08. Weep holes in vaults with no access for inspection
99. Other-Please list: *

Overfill Protection (13)

00. None
01. Float Vent Valve
02. High Level Alarm
03. Automatic Shut-Off
04. Product Level Gauge (AST Only)
05. Vent Whistle
99. Other-Please list:*

Spill Prevention (14)

00. None
01. Catch Basin
99. Other-Please list:*

Pumping/Dispensing Method (15)

00. None
01. Presurized Dispenser
02. Suction Dispenser
03. Gravity
04. On-Site Heating System (Suction)
05. On-Site Heating System (Supply/Return)
06. Tank-Mounted Dispenser
07. Loading Rack/Transfer Pump

Piping Location (16)

00. No Piping
01. Aboveground
02. Underground/On-ground
03. Aboveground/Underground Combination

Piping Type (17)

00. None
01. Steel/Carbon Steel/Iron
02. Galvanized Steel
03. Stainless Steel Alloy
04. Fiberglass Coated Steel
05. Steel Encased in Concrete

06. Fiberglass Reinforced Plastic (FRP)
07. Plastic
08. Equivalent Technology
09. Concrete
10. Copper
11. Flexible Piping
99. Other-Please list:*

Piping Secondary Containment (19)

00. None
01. Diking (Aboveground Only)
02. Vault (w/access)
04. Double-Walled (Underground Only)
06. Remote Impounding Area
07. Trench Liner
12. Double-Walled (Aboveground Only)
99. Other-Please list: *

Pipe Leak Detection (20)

00. None
01. Interstitial Electronic Monitoring
02. Interstitial Manual Monitoring
03. Vapor Well
04. Groundwater Well
07. Pressurized Piping Leak Detector
09. Exempt Suction Piping
10. Statistical Inventory Reconciliation (SIR)
99. Other-Please list:*

Under Dispenser Containment (UDC) (21)

Check Box if Present

.....

* If other, please list on a separate sheet including tank number,

** Each of these codes must be combined with code 01 or 06 to meet compliance requirements.



21 Griffin Road North
Windsor, CT 06095

Citizens Bank
CONNECTICUT
51-7011/2111

1189811

CHECK DATE

February 24, 2020

PAY Three Hundred and 00/100 Dollars

AMOUNT

PAY TO THE ORDER OF

TO New York State Department of Environmental Conservation (NYSDEC)
625 Broadway
Albany, NY 12233-7012

\$ 300.00

By

VOID AFTER 90 DAYS

MP

AUTHORIZED SIGNATURE

Security Check features
included.
Details on back.

⑈ 1189811⑈ ⑆ 211170114⑆ 2232037104⑈

New York State Department of Environmental Conservation

Pre-Work Notification for Bulk Storage (PBS or CBS) Tank Installation or Closure



This form provides notice of an upcoming tank installation and/or closure per 6 NYCRR Sections 613-1.9(h) and (f), 613-2.6(b) (1), 613-3.5 (b) (1) and 613-4.5 (b) (1) of the Petroleum Bulk Storage (PBS) Regulations, or 6 NYCRR Sections 596.2(f) and (h) of the Chemical Bulk Storage (CBS) Regulations. Submit the completed form to the Department's Regional Office at least 30 days prior to action for PBS tank installation * and permanent closure** ; at least 3 days prior for CBS tank installation *** . For CBS permanent tank closure, a minimum of 3 day prior notice is recommended. **If the schedule for work changes you must notify the Department's Regional Office before work begins. Once the work is complete, the facility (property) owner is responsible for submitting a PBS or CBS application to the Department with the complete tank information including the date the action was completed.** The Owner is also responsible to ensure that all work is completed in compliance with the applicable PBS or CBS regulations (i.e., Parts 613 or 598/599). Any questions, call the Department's Regional Office. Information on the Chemical and Petroleum Bulk Storage Programs be found at: <http://www.dec.ny.gov/chemical/287.html>

*not required for temporary tank system

** unless in response to corrective action

*** unless immediate action is required

Check Applicable Program: ☒ PBS ☐ CBS **Facility PBS or CBS Registration No.** _____

Site Name: Red Hook Park Ballfield 5 - 8	Contractor: AARCO Environmental Services Corp.
Site Address: 98 Lorraine Street	Address: 50 Gear Avenue
Site Address (cont): Brooklyn, NY 11231	Address(cont): Lindenhurst, NY 11757
Site Contact: Ryan Neilan	Contact: Steve Plofker
Phone Number: 860-705-2116 Fax Number:	Phone Number: (631) 586-5900 Fax Number: (631) 586-5910
Email Address: Ryan.Neilan@aecom.com	Email Address: splofker@aarcoenvironmental.com

Tank Number	Type of Action (Close & Remove, Close in Place, Install)	Proposed Date (mm/dd/yy)	Tank Location (Aboveground or Underground)	Capacity (Gallons)	Spills/Leaks? (Yes/No w/Spill # if Yes)	Reason for Action
001	Close and Remove		Underground	4000	No	Abandoned

I hereby certify under penalty of law that the information provided on this form is true to the best of my knowledge and belief. False statements made herein are punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.

Name of Owner or Authorized Representative (print): John Luisi **Title:** Assistant Commissioner for Agency Compliance

Signature _____ **Date** _____



PBS # :
2-613138

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Petroleum Bulk Storage Program
Facility Information Report

<u>Site Information</u>	<u>Tax Map Information</u>	<u>Site Owner Information</u>	<u>Mail Correspondent Information</u>
RED HOOK PARK BALLFIELD 5-8 98 LORRAINE STREET BROOKLYN, NY 11231	Boro/Sec.: BKLYN Block: 581 Lot: 1	NEW YORK CITY DEPARTMENT OF PARKS AND RECREATION 830 FIFTH AVENUE NEW YORK, NY 10021 (212) 410-8916 Owner Type : Local Government	NYC PARKS AND RECREATION 20 BRONX SHORE ROAD RANDALL'S ISLAND NEW YORK, NY 10035 ATTN: GABE RAMOS (212) 410-8916
Site Phone: (860) 705-2116 Town: New York City County: Kings Facility Operator: RYAN NEILAN		Authorized Representative: JOHN LUISI	
Emergency Contact: RYAN NEILAN		Emergency Phone: (860) 705-2116	

Site Status : Unregulated/Closed						Reg Expires : 02/28/2025						Cert Printed: 03/03/2020						Total Active Tanks : 0						Last Inspected:			
Site Type: Manufacturing (Other than Chemical)/Processing						Cert Issued: 03/03/2020						Total Active Capacity : 0						Inspected By:									
<u>(2)</u> <u>Tank</u> <u>No</u>	<u>(3)</u> <u>Tank</u> <u>Loc</u>	<u>(4)</u> <u>Status</u>	<u>(5)</u> <u>Date</u> <u>Instal</u>	<u>(5)</u> <u>Date</u> <u>Closed</u>	<u>(6)</u> <u>Capacity</u> <u>(gals)</u>	<u>(7)</u> <u>Product</u>	<u>(8)</u> <u>Tank</u> <u>Type</u>	<u>(9)</u> <u>Tank</u> <u>IP</u>	<u>(10)</u> <u>Tank</u> <u>EP</u>	<u>(11)</u> <u>Tank</u> <u>SC</u>	<u>(12)</u> <u>Tank</u> <u>LD</u>	<u>(13)</u> <u>Tank</u> <u>OP</u>	<u>(14)</u> <u>Tank</u> <u>SP</u>	<u>(15)</u> <u>Tank</u> <u>Disp</u>	<u>(16)</u> <u>Pipe</u> <u>Loc</u>	<u>(17)</u> <u>Pipe</u> <u>Type</u>	<u>(18)</u> <u>Pipe</u> <u>EP</u>	<u>(19)</u> <u>Pipe</u> <u>SC</u>	<u>(20)</u> <u>Pipe</u> <u>LD</u>	<u>(21)</u> <u>UDC</u>	<u>Next</u> <u>Tank</u> <u>Test</u>	<u>Next</u> <u>Line</u> <u>Test</u>	<u>Tank</u> <u>Owner</u>				
001	5	3		02/27/2020	3,000	9999	01	00	00	00	00	00	00	00	00	00	00	00	00					NEW YORK CITY			
Subpart: 2		Category: 1																									

(See Reverse Side or Last Page for Code Keys)

PETROLEUM BULK STORAGE APPLICATION - SECTION B - TANK INFORMATION - CODE KEYS

Action (1)

1. Initial Listing
2. Add Tank
3. Close/Remove Tank
4. Information Correction
5. Recondition/Repair/Reline

Tank Location (3)

1. Aboveground-contact w/soil
2. Aboveground-contact w/
impervious barrier
3. Aboveground on saddles, legs,
stilts, rack or cradle
4. Tank 10% or more below ground
5. Underground including vaulted
with no access for inspection
6. Aboveground in Subterranean

Status (4)

1. In-service
2. Out-of-service
3. Closed-Removed
4. Closed- In Place
5. Tank converted to Non-
Regulated use

Products Stored (7)

Heating Oils: On-Site

Consumption

- 0001. #2 Fuel Oil
- 0002. #4 Fuel Oil
- 0259. #5 Fuel Oil
- 0003. #6 Fuel Oil
- 0012. Kerosene
- 0591. Clarified Oil
- 2711. Biodiesel (Heating)
- 2642. Used Oil (Heating)

Heating Oils: Resale/

Redistribution

- 2718. #2 Fuel Oil
- 2719. #4 Fuel Oil
- 2720. #5 Fuel Oil
- 2721. #6 Fuel Oil
- 2722. Kerosene
- 2723. Clarified Oil
- 2724. Biodiesel (Heating)

Motor Fuels

- 0009. Gasoline
- 2712. Gasoline/Ethanol
- 0008. Diesel
- 2710. Biodiesel
- 0011. Jet Fuel
- 1044. Jet Fuel (Biofuel)
- 2641. Aviation Gasoline

Lubricating/Cutting Oils

- 0013. Lube Oil
- 0015. Motor Oil
- 1045. Gear/Spindle Oil
- 0010. Hydraulic Oil
- 0007. Cutting Oil
- 0021. Transmission Fluid
- 1836. Turbine Oil

Oils Used as Building Materials

- 2626. Asphaltic Emulsions
- 0748. Form Oil

Petroleum Spirits

- 0014. White/Mineral Spirits
- 1731. Nantua

Mineral/Insulating Oils

- 0020. Insulating Oil (e.g.,
Transformer, Cable Oil)
- 2630. Mineral Oil

Waste/Used/Other Oils

- 0022 Waste/Used Oil
- 9999 Other-Please list:*

Crude Oil

- 0006. Crude Oil
- 0701. Crude Oil Fractions

Tank Type (8)

- 01. Steel/Carbon Steel/Iron
- 02. Galvanized Steel Alloy
- 03. Stainless Steel Alloy
- 04. Fiberglass Coated Steel
- 05. Steel Tank in Concrete
- 06. Fiberglass Reinforced Plastic
(FRP)
- 07. Plastic
- 08. Equivalent Technology
- 09. Concrete
- 10. Urethane Clad Steel
- 99. Other-Please list:*

Internal Protection (9)

- 00. None
- 01. Epoxy Liner
- 02. Rubber Liner
- 03. Fiberglass Liner (FRP)
- 04. Glass Liner
- 99. Other-Please list:*

External Protection (10/18)

- 00. None
- 01. Painted/Asphalt Coating
- 02. Original Sacrificial Anode
- 03. Original Impressed Current
- 04. Fiberglass
- 05. Jacketed
- 06. Wrapped (Piping)
- 07. Retrofitted Sacrificial Anode
- 08. Retrofitted Impressed Current
- 09. Urethane

Tank Secondary Containment (11)

- 00. None
- 01. Diking (AST Only)
- 02. Vault (w/access)
- 03. Vault (w/o access)
- 04. Double-Walled (UST Only)
- 05. Synthetic Liner
- 06. Remote Impounding Area
- 07. Excavation Liner
- 09. Modified Double-Walled
(AST Only)
- 10. Impervious Underlayment
(AST Only)**
- 11. Double Bottom (AST Only)**
- 12. Double-Walled (AST Only)
- 99. Other - Please List:*

Tank Leak Detection (12)

- 00. None
- 01. Interstitial Electronic
Monitoring
- 02. Interstitial Manual Monitoring
- 03. Vapor Well
- 04. Groundwater Well
- 05. In-Tank System (Auto Tank
Gauge)
- 06. Impervious Barrier/Concrete
Pad (AST Only)
- 07. Statistical Inventory Reconciliation (SIR)
- 08. Weep holes in vaults with no access for
inspection.

Overfill Protection (13)

- 00. None
- 01. Float Vent Valve
- 02. High Level Alarm
- 03. Automatic Shut-Off
- 04. Product Level Gauge (AST)
- 05. Vent Whistle
- 99. Other-Please list:*

Spill Prevention (14)

- 00. None
- 01. Catch Basin
- 99. Other-Please list:*

Pumping/Dispensing Method (15)

- 00. None
- 01. Presurized Dispenser
- 02. Suction Dispenser
- 03. Gravity
- 04. On-Site Heating System
(Suction)
- 05. On-Site Heating System
(Supply/Return)
- 06. Tank-Mounted Dispenser

Piping Location (16)

- 00. No Piping
- 01. Aboveground
- 02. Underground/On-ground
- 03. Aboveground/Underground
Combination

Piping Type (17)

- 00. None
- 01. Steel/Carbon Steel/Iron
- 02. Galvanized Steel
- 03. Stainless Steel Alloy
- 04. Fiberglass Coated Steel
- 05. Steel Encased in Concrete
- 06. Fiberglass Reinforced Plastic
(FRP)
- 07. Plastic
- 08. Equivalent Technology
- 09. Concrete
- 10. Copper
- 11. Flexible Piping

Piping Secondary Containment (19)

- 00. None
- 01. Diking (Aboveground Only)
- 02. Vault (w/access)
- 04. Double-Walled (Underground
Only)
- 06. Remote Impounding Area
- 07. Trench Liner
- 12. Double-Walled (Aboveground
Only)
- 99. Other - Please List:*

Pipe Leak Detection (20)

- 00. None
- 01. Interstitial Electronic
Monitoring
- 02. Interstitial Manual Monitoring
- 03. Vapor Well
- 04. Groundwater Well
- 07. Pressurized Piping Leak
Detector
- 09. Exempt Suction Piping
- 10. Statistical Inventory
Reconciliation
(SIR)
- 99. Other-Please list:*

Under Dispenser Containment (UDC) (21)

Check.Box.if.Present.

* If other, please list on a
separate sheet including tank
number

** Each of these codes must be
combined with code 01 or 06
to meet compliance
requirements