

Prepared by: AECOM Manhattan, NY 60137362 May 2015

Completion Report Interim Remedial Measure for NAPL Recovery

Former Equity Works MGP Site Brooklyn, New York NYSDEC Site No.: 224050

Order on Consent Index #: A2-0552-0606

Prepared by: AEĊOM Manhattan, NY 60137362 May 2015

Completion Report Interim Remedial Measure for NAPL Recovery

Former Equity Works MGP Site Brooklyn, New York NYSDEC Site No.: 224050

Order on Consent Index #: A2-0552-0606

Mark McCabe, Program Manager

Peter S. Cox, Project Manager

Engineering Certification

I, Michael J. Gardner, certify that I am currently a NYS registered professional engineer and that this Interim Remedial Measure for NAPL Completion Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance (DER-10).

Respectfully submitted,

AECOM, Inc.

Michael J. Gardner

Registered Professional Engineer New York License No. 089344 5/20/15

Date

Contents

1.0	Introd	uction.		1-1					
2.0	Site B	ackgro	ound	2-1					
	2.1	Site Hi	istory and Description	2-1					
	2.2	Curren	nt Property Layout	2-1					
3.0	Recovery Well Installation								
	3.1	Mobiliz	zation and Site Preparation	3-1					
	3.2	Recov	ery Well Locations	3-1					
	3.3	Recov	ery Well Designs	3-1					
		3.3.1	Well Installation Procedures	3-2					
		3.3.2	Environmental Controls	3-2					
4.0	Monit	oring a	and NAPL Recovery	4-1					
	4.1	Initial N	Monitoring	4-1					
	4.2	On-goi	ing Monitoring and NAPL Recovery	4-2					
		4.2.1	System Operation	4-2					
		4.2.2	System Permitting Requirements	4-3					
5.0	Repor	ting		5-1					
6.0	Refere	ences		6-1					

ii

AECOM Environment iii

List of Appendices

Appendix A Boring/Recovery Well Logs

Appendix B Air Monitoring Data

Appendix C Waste Disposal Documentation

Appendix D Permitting Requirements Correspondence with FDNY

List of Tables

Table 3-1	Well Observations and Installation Parameters
Table 4-1	NAPL Monitoring and Recovery Events - NAPL Thickness
Table 4-2	NAPL Monitoring and Recovery Events - Quantity of NAPL Recovered

List of Figures

Figure 1-1	Site Location
Figure 1-2	Site Properties
Figure 3-1	Locations of On-Site and Perimeter Recovery Wells
Figure 3-2	Recovery Well Construction
Figure 3-3	Completed Well Location
Figure 4-1	Location of Automated Wells
Figure 4-2	Control Trailer

AECOM Environment jv

Acronyms

BUG Brooklyn Union Gas Company
CAMP Community Air Monitoring Plan

EEA EEA Inc.

ESA Environmental Site Assessment

ESI Environmental Subsurface Investigation

FDNY Fire Department of New York

ft Feet

ft bgs Feet Below Ground Surface

ft² Square Feet

GFE Gannett Fleming Environmental

gpd Gallon Per Day
gpm Gallons Per Minute
HASP Health and Safety Plan
IRM Interim Remedial Measure
mg/m³ Milligrams Per Cubic Meter
MGP Manufactured Gas Plant
NAPL Non-Aqueous Phase Liquid

NYCRR 6 New York Codes, Rules and Regulations Chapter 6

NYSDEC New York State Department of Environmental Conservation

NYSDOH New York State Department of Health

PCBs Polychlorinated Biphenyls
PDI Pre-Design Investigation

PM10 Respirable Particulate Matter that is 10 micrometers or smaller

PPE Personal Protection Equipment ppmv Parts Per Million By Volume

PVC Polyvinyl Chloride

RCRA Resource Conservation and Recovery Act

RI Remedial Investigation

SVOCs Semivolatile Organic Compounds

TCLP Toxicity Characteristic Leaching Procedure

TOC Top Of Casing

TPH Total Petroleum Hydrocarbons
TVOC Total Volatile Organic Compounds

USEPA United States Environmental Protection Agency

VOCs Volatile Organic Compounds

Executive Summary

National Grid's consultant, AECOM, has prepared this Interim Remedial Measure (IRM) Completion Report to document the installation of a NAPL recovery system within the footprint of the former Equity Works Manufactured Gas Plant (MGP) site (the Site) located at 254 Maspeth Avenue in Brooklyn, New York. The IRM, as well as environmental investigation and other associated remedial activities, are being conducted pursuant to a Multi-site Order on Consent and Administrative Settlement, Index # A2-0552-0606, between The Brooklyn Union Gas Company (BUG), now d/b/a National Grid NY, and the New York State Department of Environmental Conservation (NYSDEC).

The site is located in a historically industrialized area. The Site was operated as a MGP from approximately 1893 to 1929. BUG transferred ownership of the Site in 1951. The Site currently consists of three adjoining properties – 222 Maspeth Avenue, 252 Maspeth Avenue, and 254 Maspeth Avenue. The 222 Maspeth Avenue property is used by Cooper Tank as a solid waste recycling facility, with the 252 and 254 parcels used to support Cooper Tank's recycling operations.

Cooper Tank has been issued a NYSDEC Part 360 Permit for the expansion of active recycling operations on the 252 and 254 Maspeth Avenue properties. Conditions of that permit require the construction of a perimeter wall around open areas of the 254 Maspeth property and the installation of a concrete pad with a storm water collection system across the entire surface of the 252 and 254 Maspeth Avenue properties. Since the installation of the wall and concrete pad would significantly limit access to subsurface areas of the Site, NYSDEC requested that National Grid conduct an IRM to control potential migration of non-aqueous phase liquid (NAPL) while a final site remedy is developed through the DER 10 process. The IRM activities included the following:

- installation of 5 NAPL recovery wells at appropriate locations within the central areas of the Site to reduce the quantity of NAPL, and at 18 selected perimeter locations to control the potential for off-site migration.
- on-going measurement and recovery of NAPL that collects in the recovery wells.

It should be noted that NAPL recovery is not performed at all recovery wells due to either the absence of NAPL or the limited thickness of NAPL within the collection sump of certain recovery wells. All recovery wells were installed during the period of March 3 to April 10, 2013. All locations had a common design (6 inch diameter, 5 and 10 foot stainless screens, 5 foot long sump to retain collected NAPL) and were equipped with the infrastructure to support automated recovery, if required. Eleven manual monitoring events were conducted during the period when Cooper Tank was designing and completing the installation of the concrete pad on the 254 Maspeth Avenue property (May 2013 to February, 2014). NAPL was collected during these events and managed at a permitted off-site facility as an alternative fuel in accordance with NYSDEC DER-4, "Management of Coal Tar Waste and Coal Tar Contaminated Soils and Sediment". Data collected during these events indicated that NAPL collection rates at 13 of the 23 locations (2 on-site and 11 perimeter) warranted the installation of pumps to support automated recovery. The remaining 10 wells are managed using manual recovery techniques.

The pumps, associated controls and NAPL accumulation tank were installed during the period of June and July 2014. The fixed speed pumps are controlled by timers to ensure that the NAPL at each location is contained within the sump at a level above the pump inlet. The remaining locations are

monitored as part of the quarterly site inspection activities and NAPL is recovered on an as required basis to maintain the NAPL level within the sump.

Collected NAPL accumulates in a 500 gallon double walled polyethylene capacity tank located above ground in the system's control trailer on the 254 parcel. The accumulation tank is equipped with a high liquid level detector to prevent over-filling, as well as secondary containment. The system is also equipped with additional alarms and communication equipment to ensure its safe operation.

The system is exempt from solid and hazardous waste permitting requirements under NYSDEC Guidance DER-10, "Technical Guidance for Site Investigation and Remediation" and the Consent Order for the Site since the substantive technical requirements of permits is met by the following:

- Development and Implementation of a Preparedness and Prevention Plan, Contingency Plan and Closure Plan.
- Maintaining Secondary Containment on the accumulation tank.

Additionally, the contents of the tank will be removed at a frequency of less than 90-days. It is expected that the contents will meet the requirements to be managed as an alternative fuel under NYSDEC DER-4. Collected NAPL that does not meet the requirements as an alternative fuels will be managed as a solid waste, and if necessary manifested as a hazardous waste for disposal at a permitted off-site facility.

The IRM monitoring and recovery activities will be documented in quarterly and annual Monitoring and Recovery Reports detailing the operation of the system, including NAPL collection rates, maintenance issues, unplanned releases/responses and a summary of off-site waste shipments for disposal.

1.0 Introduction

National Grid's consultant, AECOM, is submitting this Interim Remedial Measure (IRM) Completion Report to document the installation of the NAPL recovery system within the footprint of the former Equity Works Manufactured Gas Plant (MGP) site (the Site) which consists of three adjoining properties – 222 Maspeth Avenue, 252 Maspeth Avenue, and 254 Maspeth Avenue located in Brooklyn, New York. The location of the Site and the orientation of the individual properties are illustrated in Figures 1-1 and 1-2, respectively.

The IRM is being implemented pursuant to a Multi-site Order on Consent and Administrative Settlement, Index # A2-0552-0606, between The Brooklyn Union Gas Company (BUG), now d/b/a National Grid NY, and the New York State Department of Environmental Conservation (NYSDEC), in accordance with applicable guidelines of the NYSDEC and the New York State Department of Health (NYSDOH).

This document is organized in the following manner: the background of the 222, 252 and 254 Maspeth Avenue properties is summarized in Section 2, activities associated with the installation of the recovery wells are detailed in Section 3, monitoring and NAPL recovery activities are summarized in Section 4, proposed reporting procedures related to the operation of the recovery system are provided in Section 5, and references are included in Section 6.

2.0 Site Background

A brief historical summary of the Site and description of the current property layout are provided below.

2.1 Site History and Description

The Site is located in an historically industrialized area, which remains the same today. The Site was operated as a MGP from approximately 1893 to 1929. BUG sold the Site in September 1951. Subsequently, the Site was used for storage (pipe and valves) during the period of 1965 to 1981, and is believed to have been vacant during the period of 1986 to 1988. The Site is thought to have been used as a solid waste transfer facility since 1990 under the ownership of various parties.

2.2 Current Property Layout

Information related to the current ownership and use of the Site is provided below:

- 222 Maspeth Avenue This property is owned by 222 Maspeth Avenue, LLC. and is currently
 used as an active waste recycling/waste transfer station operated by Cooper Tank Recycling
 (Cooper Tank). Currently, one enclosed building housing offices and one open building (no
 walls, with roof) housing waste recycling operations are located on the lot.
- 252 Maspeth Avenue This property is owned by Giacomo and Giovanna Bordone and is currently leased by Cooper Tank. The property is used as a maintenance center for equipment and a two story concrete building is located on the north side of the property, along Maspeth Avenue.
- 254 Maspeth Avenue This property is currently owned by 254 Maspeth Avenue, LLC. The
 property has been used for occasional storage of empty roll-off containers, parking of tractortrailers, and Cooper Tank employee vehicle parking. Two rectangular, in-ground scales for
 determining truck tare weight and a storm water collection structure are located on the
 northern portion of the property.

Cooper Tank has been issued a NYSDEC Part 360 Permit for the recycling facility. This permit, which covers the expansion of the current 222 Maspeth Avenue operations into the 252 and 254 Maspeth Avenue properties required construction of a perimeter wall around open areas of the 254 Maspeth parcel, and the installation of a concrete pad with a storm water collection system across the entire surface of the 252 and 254 Maspeth Avenue properties. This work was completed by Cooper Tank in the spring of 2014 at the 254 Maspeth Avenue property. Installation of a storm water collection system and concrete surface pad at the 252 Maspeth Avenue property is delayed with an unknown completion date.

Since the installation of the wall and concrete pad would significantly limit access to subsurface areas of the Site, NYSDEC requested that National Grid conduct an IRM while a final site remedy is developed through the DER 10 process.

3.0 Recovery Well Installation

AECOM, on behalf of National Grid, conducted an IRM to collect NAPL while site-wide investigation and remedial design activities are completed. The design of the NAPL recovery system has been based on the installation of 23 NAPL recovery wells at locations that have the potential to collect NAPL, and are compatible with Cooper Tank's construction and long-term operational plans.

3.1 Mobilization and Site Preparation

Mobilization for the IRM occurred on March 8, 2013, and included the staging of the necessary equipment and personnel to manage investigation derived waste, implement the Health and Safety Plan (HASP) and setup an on-site decontamination facility.

Site preparation activities included utility clearance and installation of site and traffic controls. Prior to the start of field activities, Dig Safely New York was contacted, and companies with subsurface utilities present in the work area marked-out their utilities in areas immediately adjacent to the Site. Cooper Tank provided site drawings to identify the locations of on-site utility lines. The IRM contractor (Envirotrac) delineated and marked-off work areas to facilitate the effective flow of site traffic for their and for Cooper Tank vehicles. Proposed well locations were surveyed by geophysical methods to identify possible locations of subsurface structures not indicated on available drawings. All well locations were pre-cleared to a depth of 5 ft bgs.

3.2 Recovery Well Locations

Consistent with the NYSDEC approved work-plan (AECOM, 2013), NAPL recovery wells were installed in the following areas of the Site:

- On-Site-5 NAPL recovery wells (RW-1 through 5) were installed at locations within the 252 Maspeth Avenue property.
- Site Perimeter –18 NAPL recovery wells (RW-16 through 23) were installed along the perimeter of the Site on the 222, 252 and 254 Maspeth Avenue properties

An illustration of well locations is provided on Figure 3-1. The perimeter locations are spaced at approximately 18 feet - on center, with the exception of the area along the driveway of 254 Maspeth where the presence of a subsurface structure has required spacing of approximately 30 feet between the three NAPL recovery wells (RW-6, -7 and -8). All locations were equipped with the infrastructure i.e., conduits for electrical service and tubing, for the subsequent automation of NAPL recovery activities, if needed.

3.3 Recovery Well Designs

Recovery wells were designed to accommodate the uncertainty of long-term NAPL recovery rates. All well risers were constructed of 6-inch diameter schedule 40 polyvinyl chloride (PVC). Recovery well screens were constructed of 6-inch diameter 0.020-inch slot wire wrap stainless steel. Five (5) and ten (10) foot lengths of screen were used, as required, to address soil intervals where NAPL (i.e., saturated thickness greater than 1-inch) has been observed. Centralizers were installed at the top and bottom of each screen. The screen size was selected based on the grain-size information obtained

during the PDI. Each well was equipped with a 5-foot long, 6-inch diameter, stainless steel sump to collect NAPL. An illustration of a typical in-place recovery well, as installed using the procedures detailed below, is provided in Figure 3-2.

3.3.1 Well Installation Procedures

The NAPL recovery wells were installed during the period of March 14 to April 10, 2013. Soil borings were advanced at each of the locations, and soil samples collected for observation. A summary of NAPL observations is provided as Table 3-1, with copies of the boring logs provided in Appendix A. Based on the observations, the bottom of the well screen was set at the bottom of the observed NAPL saturated interval. A summary of the design/actual depths and screen intervals for well installation is also provided in Table 3-1. Multiple intervals of NAPL saturation that were separated by low permeability soils within a location were screened separately.

The diameter of the bore hole for all locations was at least four inches greater than the riser and screen diameter. The well casing assembly, consisting of the sump, centralizer, screen, and casing was then lowered into the borehole and grout was carefully tremied into the base of the borehole until it reached the top of each sump. A sand filter pack was then placed around the well screen and the riser to a minimum of two feet above the top of the well screen. The annular space above the filter pack was filled with a bentonite seal (minimum of 3 to 4 feet thick). Note that additional bentonite seals were used at locations where multiple screen intervals were installed. The annular space above the bentonite seal was filled with a grout mixture from the bentonite seal to approximately one to two feet below the top of casing (TOC). Each recovery well was completed in a 4-foot by 4-foot traffic-rated well vault. A photograph of a completed location is provided as Figure 3-3.

It should be noted that the Work Plan outlined the use of a pre-determined quantity of cement/bentonite grout to be placed in the bottom of the boring to fill the annulus between the sump and the bore hole wall to the screen-sump interface where a cement basket was to be placed. However, well placement difficulties resulting in damage to the cement basket occurred during the first well installation. NYSDEC oversight personnel approved the alternate well installation method described in the paragraph above.

The elevation of the top of the vaults were set to be flush with the proposed final concrete ground surface for the facility. Installed wells were surveyed for elevation and location using a surveyor licensed in the State of New York. A minimum of 24-hours post-installation of the grout, each well was developed using surge and pump procedures to remove drilling fluids and fine-grained material from the sump, well screen, and filter pack. Development water was stored in on-site frac tanks prior to disposal at an approved off-site facility, as outlined in Section .3.2.2 below.

Equipment was routinely decontaminated to prevent the potential cross-contamination between boreholes and/or the spread of contaminated material outside of the IRM work areas. Large-scale equipment was pressure washed prior to leaving the Site. Decontamination water generated during cleaning of tools and equipment was temporarily stored on-site for later off-site disposal at an approved facility as outlined in Section .3.2.2 below. The installation of the infrastructure and controls for the system was completed on May 7, 2014.

3.3.2 Environmental Controls

Environmental controls were implemented to ensure that the work activities were conducted in accordance with the NYSDEC approved Work Plan (AECOM, 2013).

3.3.2.1 Air Monitoring

Site perimeter air monitoring was performed in accordance with NYSDOH requirements and the Community Air Monitoring Plan (CAMP) for the project. Concentrations of total volatile organic compounds (TVOC) ranged from 0.1 to 0.5 parts per million by volume (ppmv). Levels of respirable particulate matter (PM10) ranged from 0.01 to 0.8 milligrams per cubic meter (mg/m³). Summary data sheets from the monitoring program are provided in Appendix B.

3.3.2.2 Waste Management

The installation of the recovery system resulted in the generation of the following wastes:

- Drill cuttings from the installation of the recovery wells (14.47 tons)
- Excavated soil and concrete/debris from the installation of the utility conduits running between the recovery wells and the recovery well vaults (783.6 tons)
- Purge water from the development of the wells and decontamination water (5,904 gallons)

In instances where existing analytical profiles were not available, the investigation derived wastes were characterized for the following analytical parameters: Toxicity Characteristic Leaching Procedure (TCLP), corrosivity, ignitability, reactivity, total petroleum hydrocarbons (TPH), and polychlorinated biphenyls (PCBs). All wastes were managed as solid wastes at a permitted off-site facility. Documentation of disposal at Bayshore Soil Management (soils), Bayshore Recycling Corporation (concrete/debris), and Clean Water of New York (purge/decon water) are provided in Appendix C. Note that the analysis of representative samples of the collected purge water from recovery well development indicated that material exhibited levels of benzene that exceeded the Toxicity Characteristic criterion for benzene. The frac tank containing the water was appropriately labeled to indicate that the contents had the potential to be a hazardous waste. Subsequently, the purge water was transferred to a second tank using a closed system that included an in-line carbon canister in accordance with New York Codes, Rules and Regulations Chapter 6 (NYCRR 6) Subpart 371.1(e)(3)(i). The rule exempts waste that is generated in a storage tank from regulation as a hazardous waste until it leaves the unit. Since the purge water was re-sampled in the second tank and found to have benzene levels that were less than the Toxicity Characteristic threshold, it was managed off-site as a solid waste. The spent carbon and sediment from the bottom of the frac tanks were managed in accordance with NYSDEC DER-4, "Management of Coal Tar Waste and Coal Tar Contaminated Soils and Sediment." Personal protection equipment (PPE) was also managed at Bayshore Recycling, and is included in the quantity listed above.

4.0 Monitoring and NAPL Recovery

As part of the installation of the system, initial monitoring activities were conducted to provide a preliminary estimate of potential collection rates to determine which locations would require automation for cost-effective management of collected NAPL. Subsequent monitoring/recovery activities will be conducted on an as-required basis to a negotiated endpoint or until a final remedy is selected/implemented for the Site through the DER-10 process.

4.1 Initial Monitoring

Eleven (11) manual monitoring events were conducted during the period when Cooper Tank was completing the design and installation of the concrete pad on the 254 Maspeth Avenue property (May 2013 to February 2014). As part of the monitoring activities, the depth to water, total well depth, and depth to NAPL were measured at each location. All readings were evaluated for reasonableness, and re-measured as necessary to ensure accurate data.

Collected NAPL was recovered using an air lift system. The system consists of an air compressor and sample line (1-in outside diameter [O.D.] black iron pipe) that runs from the bottom of the well sump to a closed 55 gallon drum and is operated in the following manner:

- A small stream of compressed air is introduced into the bottom of the sample line through a "T' connection.
- The upward movement of the air "bubble" creates a vacuum that draws NAPL upward from the sump and into the drum.
- The consistency of the stream is observed until the fluid being removed appears to be clear (i.e. NAPL is no longer being removed). At that point, the air flow is discontinued and the volume of collected NAPL is measured and recorded.

Summaries of the results from the monitoring activities are provided in Tables 5-1 (NAPL thickness) and 5-2 (recovered NAPL). As indicated on Table 5-2, manual gauging and recovery activities performed between May 2013 and February 2014 have provided the following findings:

- The majority of NAPL (approximately 85 percent of total) has been collected from eight locations that have been designated as "primary recovery wells."
 - 2 interior wells
 - 252 Parcel RW-2, RW-3
 - 6 perimeter
 - 254 Parcel RW-10, RW-12, RW-13
 - 252 Parcel RW-18, RW-19, RW-20
- Five other perimeter locations have accounted for the remaining 15% of NAPL collected.
 They have been designated as "secondary recovery wells."
 - 254 Parcel RW-8, RW-9, RW-11, RW-17

- 252 Parcel RW-21
- None or limited quantities of NAPL have been observed in the 10 remaining wells. These
 have been designated as "gauging wells." At these locations, wells are purged on a regular
 basis if levels of NAPL have the potential to exceed the sump height in the well.

The collected NAPL is currently being managed as an alternative fuel at the Tradebe Facility in Cohoes, New York. The approach meets the requirements for managing the NAPL as a solid waste in accordance with NYSDEC DER-4. Documentation for the management of recovered NAPL is provided in Appendix C.

4.2 On-going Monitoring and NAPL Recovery

The NAPL recovery system is intended to collect NAPL and develop data related to the nature and extent of to support the evaluation of potential long-term remedies for the Site. As a result, the NAPL recovery system will be operated in a manner that maintains the NAPL levels within the well sumps. The recovery approaches for the primary, secondary and gauging wells are described below:

- Primary Recovery Wells The eight primary wells currently produce about 1 gpd each of NAPL. The manual management of NAPL at these locations would require that recovery activities be conducted on a weekly basis to ensure that the storage capacity of the well sumps (approximately 7.5 gallons) not be exceeded. This frequency of monitoring/collection is not thought to be cost-effective or practical given site access issues and the level of activity on the Cooper Tank facility. As a result, the wells at these eight locations were automated.
- Secondary Recovery Wells The five secondary wells currently produce about 0.1 to 0.5 gpd of NAPL. The manual management of NAPL at these five locations would require that recovery activities be conducted on a monthly basis to ensure that the storage capacity of the well sumps is not exceeded. Long-term manual monitoring/recovery at this frequency is not thought to be cost effective, and these locations were also be automated.
- Gauging Wells The ten gauging wells currently produce less than 0.1 gpd of NAPL. NAPL at these locations will be effectively managed using manual recovery techniques.

The locations of the automated wells are illustrated on Figure 4-1.

4.2.1 System Operation

The primary and secondary locations have been equipped with fixed speed pumps manufactured by Pump Works. The well pumps are controlled with timers that will be adjusted based upon the observed recharge rates. The initial pumping rates for these locations are provided below.

- Primary Recovery Wells 0.2 gallons per minute (gpm) for approximately 5 minutes per day to achieve a recovery rate of approximately 1 gpd.
- Secondary Recovery Wells- 0.01 to 0.05 gpm for approximately 10 minutes per day to achieve a recovery rate of 0.1 to 0.5 gpd.

The timers will be adjusted as required to ensure that the NAPL is contained within the sump of each well, but at a level above the inlet to the pump to minimize the collection of groundwater. Collected NAPL accumulates in a 500 gallon capacity double walled polyethylene tank located above ground in the system's control trailer on the 254 parcel (Figure 4-2). The accumulation tank is equipped with a high liquid level detector to prevent over-filling, as well as secondary containment. The system is

equipped with additional alarms and communication equipment to ensure its safe operation. National Grid has developed the following documents to support the operation of the NAPL recovery system:

- **Preparedness and Prevention Plan** identifies communication/alarm systems and their associated maintenance/testing schedule, and will define staff training procedures. The document is used to familiarize local police, fire department and emergency response teams with the layout of the facility, nature of the waste, places where facility staff would normally be located and evacuation routes for site staff.
- Contingency Plan describes the actions to be taken in response to unplanned releases of
 waste. It provides lists of emergency contacts/support equipment; describe the arrangements
 with local police, fire department and emergency responders and identifies an evacuation
 route for site personnel.
- Closure Plan describes the approach for decommissioning the system, as well as detailing
 the steps necessary to decontaminate all of the system components and manage waste
 residuals.

Copies of the documents have been provided to Cooper Tank staff, as well as local police, fire and emergency responders.

The Gauging wells will be monitored during quarterly inspection activities and collected NAPL will be recovered using the air lift equipment described above. The NAPL will be transferred to the accumulation tank.

Accumulated NAPL will be collected as required for transport by a licensed contractor to the Tradebe Facility for use as an alternative fuel. Representative samples of the contents of the tank will be collected and analyzed as required to support the disposal activities. Samples will be submitted for proper waste characterization on an annual basis as required by the disposal facility.

4.2.2 System Permitting Requirements

The collected NAPL is designated as a solid waste under NYCRR 6 Subpart 360-1.2 (a)(2)(iii), i.e. "it will be accumulated before being disposed of". Although the recovered NAPL will be a solid waste, NYSDEC guidance and regulations provide the following options for pursuing exemptions from associated permitting requirements for the accumulation tank.

• NYSDEC Guidance DER-10, "Technical Guidance for Site Investigation and Remediation" provides an exemption from certain permitting requirements for activities that are conducted as a component of a remedial program. Section 1.10 of DER-10 states that the NYSDEC will typically grant an exemption from state permits/ authorizations for activities conducted under appropriate oversight, e.g., an Order on Consent or Voluntary Cleanup Agreement, and in instances where NYSDEC determines that the proposed procedures/ activities will comply with the substantive technical requirements of the permit. Appendix 1-C of the guidance specifically lists the construction/ operation of solid waste management units as activities that are subject to the exemption described in Section 1.10 of the guidance. The potential for an exemption in instances where remedial activities meet the substantive technical requirements of a state permit is also incorporated in the referenced Consent Order for the Site (Section XIV, C.1). A review of the background information presented above demonstrates that the proposed operating practices for the NAPL accumulation tank are consistent with the technical and administrative requirements of the NYSDEC Solid Waste Management

- regulations, NYCRR, 6 Subpart 360, and should make the system subject to a solid waste permitting exemption.
- NYCRR 6 Subpart 360-1.7 (b)(4) provides a separate and specific exemption from solid
 waste permitting for temporary storage facilities located at a single industry/commercial
 establishment and used exclusively for the management of waste at that facility. The intended
 purpose of the accumulation tank is also consistent with the requirements of this exemption
 from solid waste permitting.

Analytical results indicate that the NAPL has the potential to be classified a RCRA D018 Waste due to its benzene content. However, the results suggest that it is not likely to be designated as a Toxicity Characteristic waste for other constituents, or as an Ignitable, Corrosive or Reactive waste when generated. NYSDEC Guidance DER-4, "Management of Coal Tar Waste and Coal Tar Contaminated Soils and Sediment" provides a conditional hazardous waste exclusion for D018 wastes at former MGP sites in instances when the waste is managed in accordance with New York State solid waste management requirements and is thermally treated at a facility permitted to receive non-hazardous media. It is expected that the recovered NAPL will meet these criteria and qualify for the hazardous waste exclusion.

Concerns that future variability in waste composition for constituents other than benzene might 'trigger' the requirement for a hazardous waste permit may also be addressed by the exemptions referenced in DER-10 and the Consent Order. Additionally, NYCRR 6 Part 373-1.1(d)(1)(iv) provides a separate and specific exemption to hazardous waste permitting requirements for accumulation units if the contents are removed in less than 90-days, secondary containment is used and certain administrative requirements, including prevention and preparedness training for staff, and preparation of contingency/closure plans are met. The proposed operating/reporting procedures are also consistent with the requirements of this exemption from hazardous waste permitting. However, wastes not meeting the requirements of the DER-4 exemption would have to be manifested and managed as a hazardous waste upon removal from the accumulation tank.

Analytical results from samples of representative samples of collected NAPL indicate that it could be classified as a Class III A Combustible Liquid due to its flash point, and could require a storage permit from the Fire Department of New York (FDNY) for the quantities that are expected to be accumulated. However, e-mail communication with FDNY stated that the storage permit requirement would not apply to the collected material at the Site since it will consist of a mixture of NAPL and water (Appendix D).

5.0 Reporting

The IRM activities will be documented in an annual report for the first year of operation and quarterly Monitoring and Recovery Reports thereafter presenting the results from the on-going monitoring and NAPL recovery activities. The proposed contents of these periodic reports are outlined below.

The Reports will provide a summary of the monitoring events conducted during the period, including:

- A summary of observations from each well.
- Depths to water and NAPL in each well.
- Observed NAPL thickness in each well.
- Trends in observed NAPL thickness in each well.
- Quantity of mixed fluids recovered from each well.
- Manifests for the off-site management of waste.
- Documentation of unplanned releases and associated responses.
- Documentation of significant maintenance events.
- Recommendations for the subsequent monitoring and recovery activities.

6.0 References

AECOM, 2013. Interim Remedial Measure Work Plan for Product Recovery, Equity Works Former MGP Site, Brooklyn, New York, NYSDEC Site No.: 224050, Order on Consent Index #: A2-0552-0606. January 2013.

AECOM, 2012. Interim Site Management Plan, Equity Works Former Manufactured Gas Plant Site, Brooklyn, New York, NYSDEC Site No.: 224050, Order on Consent Index #: A2-0552-0606. November 28, 2012.

National Grid, 2012. National Grid Environmental Procedure 2-A, Aboveground Storage Tank Management, December 2012.

New York State Department of Environmental Conservation (NYSDEC), 2002. Management of Coal Tar Waste and Coal Tar Contaminated Soils and Sediment (DER-4), January 11, 2002.

NYSDEC, 2010. DER-10/Technical Guidance for Site Investigation and Remediation, May 10, 2010.

Tables

Table 3-1
Former Equity Works Product Recovery IRM
Well Observations and Installation Parameters

Well ID	Installation Date	Screened Interval bgs (ft)	Sump Interval bgs (ft)	Total Well Depth (ft)	Top of Intermediate Clay bgs (ft)	Observations		
RW-01	3/15-3/16/13	25'-40'	40'-45'	45'	40'	Approximately 14' of sand from 26'-40' was saturated with tar.		
RW-02	3/17/2013	36'-46'	46'-51'	51'	46'	Approximately 9.5' of sand from 36.5'-46' was saturated with tar.		
RW-03	3/17/2013	31'-46'	46'-51'	51'	46'	Approximately 7.5' of sand from 32'-32.5', 37'-43' and 45'-46' was saturated with tar.		
RW-04	3/21/2013	16'-21' & 36'-46'	46'-51'	51'	46'	Approximately 1' of fill from 20'-21', and 2' of sand 44'-46' were saturated with tar.		
RW-05	3/14-3/15/13	32'-42'	42'-47'	47'	42'	Fill coated with TLM @18'-21', 33'-40' pockets of sand saturated/coated with TLM, 40'-42' sand saturated with TLM.		
RW-06	3/20/2013	17'-22' & 32'-42'	42'-47'	47'	42'	Fill coated with TLM @18'-19', and 10' of sand from 32'-42' was saturated with tar.		
RW-07	3/23-3/24/13	Not finished	43'-48'	48'	43'	Approximately 10' of sand from 33'-43' was saturated with tar.		
RW-08	3/23/2013	33'-43'	43'-48'	48'	43'	Approximately 8' of sand from 35'-43' was saturated with tar.		
RW-09	3/18/2013	35'-45'	45'-50'	50'	44.5'	Approximately 9.5' of sand from 35'-44.5' was saturated with tar.		
RW-10	3/18-3/19/13	31'-41'	41'-46'	46'	41'	Approximately 4' of sand from 34'-38' and approximately 3' of sand layers interbedded with clay from 38'-41' was saturated with tar.		
RW-11	3/19/2013	31'-41' & 16'-21'	41'-46'	46'	40'	Approximately 2' of fill from 16'-18' and 6' of san from 34'-40' were saturated with tar, beds of sand from 30'-34' were also saturated with tar.		
RW-12	3/19/2013	31'-41'	41'-46'	46'	40.5'	Approximately 6.5' of sand from 34'-40.5' was saturated with tar.		
RW-13	3/20/2013	31'-41'	41'-46'	46'	41'	Approximately 8' of sand from 32'-40' was saturated with tar.		
RW-14	3/20/2013	15'-20' & 30'-40'	40'-45'	45'	40'	Fill saturated with TLM @16.5'-18', and 7' of sand from 32'-39' was saturated with tar.		
RW-15	3/19-3/20/13	30'-40'	40'-45'	45'	40'	Approximately 10' of sand from 30'-40' was saturated with tar.		
RW-16	3/18-3/19/13	30'-45'	45'-50'	50'	45'	Approximately 7' of sand from 30'-32', 35'-40' was saturated with tar, pockets of tar from 40'-45'		
RW-17	4/8-4/10/13	28'-43'	43'-48'	48'	43'	Approximately 13.5' of sand from 26.5'-40' had a coating of TLM, with saturated zones from 26'-26.5' and 40'-43' with TLM		
RW-18	3/14-3/15/13	35'-45'	45'-50'	50'	45'	Fill coated with TLM @ 19'-21', 33'-40' pockets of sand saturated/coated with TLM, 40'-45' sand saturated with TLM.		
RW-19	3/16/2013	37'-47'	47'-52'	52'	46.5'	Approximately 5' of sand from 42'-47' was saturated with tar.		
RW-20	3/15-3/16/13	37'-47'	47'-52'	52'	47'	Approximately 10' of sand 37'-47' was saturated with tar.		
RW-21	3/18/2013	35'-45'	45'-50'	50'	45'	Approximately 6' of sand from 39'-45' was saturated with tar.		
RW-22	3/16-3/17/13	31'-41'	41'-46'	46'	41'	Approximately 6' of sand from 35'-40.5' was saturated with tar.		
RW-23	3/17/2013	24'-39'	39'-44'	44'	39'	Approximately 9' of sand from 25'-30' and 35'-39' was saturated with tar.		

Table 4-1
Former Equity Works Manufactured Gas Plant Site
Product Monitoring and Recovery Event
Measured Thickness

	Loca	tion					Measu	red NAPL Thick	ness (ft.)				
	Parcel	Well ID	5/17/2013	5/31/2013	6/6/2013	6/13/2013	7/23/2013	8/26/2013	9/13/2013	10/18/2013	11/15/2013	12/6/2013	2/27/2014
		RW- 1	0.85	0.90	1.01	0.85	0.81	0.86	1.91	NM	NM	NM	2.5
		RW- 2	13.03	8.40	5.02	3.35	12.35	11.65	9.34	12.15	11.72	10.22	13.25
On-Site	252	RW- 3	15.45	10.25	5.03	4.26	14.55	13.15	11.15	13.32	NM	NM	NM
		RW- 4	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
		RW- 5	1.33	1.80	1.75	2.10	2.32	3.25	4.35	4.30	0.72	NM 10.22 NM	2.11
		RW- 6	0.81	1.41	1.55	1.40	1.81	2.20	NE	3.0	3.73	0.30	3.11
	Ī	RW- 7	0.02	NE	0.12	NE	0.62	NM	NM	NM	NM	NM	NM
		RW- 8	2.53	3.11	2.65	3.21	5.22	1.80	3.05	4.22	1.55	1.20	5
	254	RW- 9	6.02	1.95	2.65	3.43	6.65	4.61	6.24	8.23	4.20	2.80	9.25
		RW- 10	13.05	7.05	4.22	2.20	6.11	11.85	9.01	11.93	11.00	9.91	12.85
		RW- 11	2.57	3.22	3.35	4.01	5.65	1.65	2.42	1.80	1.35	1.12	4.31
		RW- 12	13.32	13.03	9.94	7.53	12.96	13.03	11.92	11.90	12.22	11.90	11.71
		RW- 13	13.50	12.61	6.98	5.00	11.93	11.45	10.60	11.42	11.70	9.15	12.33
Perimeter		RW- 14	NE	NE	NE	NE	NE	NE	NE	NE	NE	NM 10.22 NM NE 0.21 0.30 NM 1.20 2.80 9.91 1.12 11.90 9.15 NE NE 0.15 0.23 10.01 11.65 11.85 3.60 9.40	NE
1 Cililictor		RW- 15	1.02	NE	NE	NE	NE	NE	NE	NE	NE		NE
		RW- 16	0.17	NE	NE	NE	0.15	0.03	NE	0.20	0.51	0.15	0.72
1		RW- 17	1.40	1.60	1.12	0.71	3.35	3.75	4.75	6.02	6.60	0.23	5.85
1		RW- 18	10.42	9.55	6.69	7.45	10.05	10.31	10.14	10.22	9.55	10.01	11.25
[252	RW- 19	13.18	11.45	7.42	7.50	12.62	12.45	11.55	11.42	11.05	11.65	12.75
[202	RW- 20	3.62	11.11	7.23	6.33	13.00	12.25	12.57	12.02	11.03	11.85	12.78
ĺ		RW- 21	3.75	4.05	0.85	1.58	4.40	4.02	3.24	5.81	4.05	3.60	10.02
[222	RW- 22	7.40	6.80	2.22	2.22	9.02	NM	9.31	9.45	9.32		9.35
Noto:	~~~	RW- 23	NM	NM	NM	NM	0.64	NM	1.17	1.20	NE	NE	1.54

Note:

NE - not encountered at thickness greater than 0.01 ft.

NM- not measured, not accessible

NAPL encountered, but not recovered

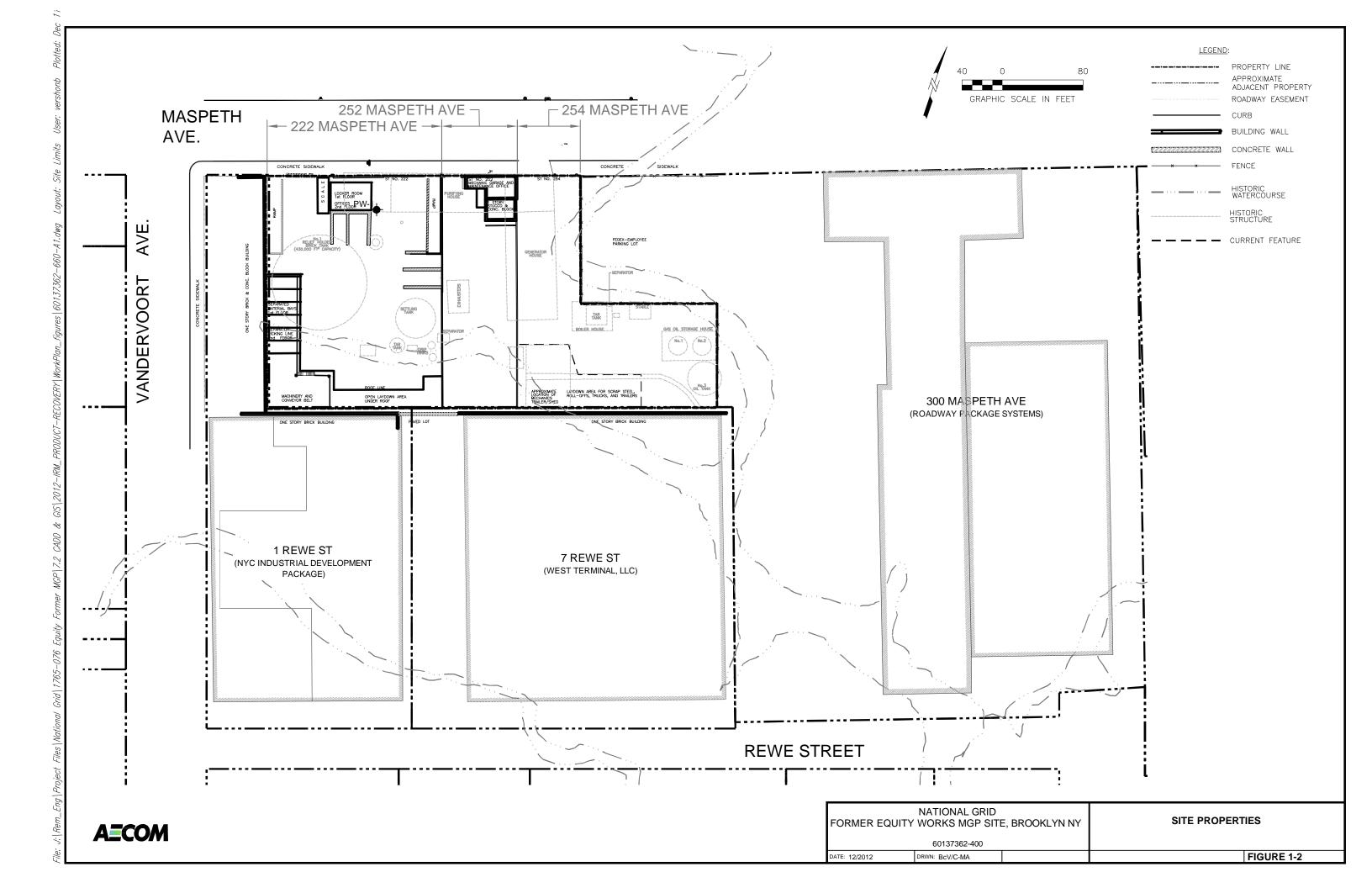
Table 4-2
Former Equity Works Manufactured Gas Plant Site
Product Monitoring and Recovery Event
Quantity of Product Recovered

	Loca	ation					Gal. NA	PL Per Day a						Total gal.	Percen	t
	Parcel	Well ID	5/17/2013	5/31/2013	6/6/2013	6/13/2013	7/23/2013	8/26/2013	9/13/2013	10/18/2013	11/15/2013	12/6/2013	2/27/2014	to date	of Tota	I
		RW- 1	0	0	0	0	0	0	0	0	0	0	0	0		
		RW- 2	0.3	1.0	0.9	0.9	0.6	0.4	0.9	0.6	0.7	0.9	0.3	169	10.1	
On-Site	252	RW- 3	0.3	1.2	1.0	0.9	0.7	0.4	1.2	0.6	0	0	0	124	7.4	
		RW- 4	0	0	0	0	0	0	0	0	0	0	0	0		
		RW- 5	0	0	0	0	0	0	0	0.2	0	0	0	7	0.4	18.0
		RW- 6	0	0	0	0	0	0	0		0	0	0	6	0.4	
	254	RW- 7	0	0	0	0	0	0	0		0	0	0	0		
		RW- 8	0	0.1	0	0	0.3	0	0	0.2	0.1	0	0	29	1.7	
		RW- 9	0.2	0	0	0	0.3	0	0	0.4	0.3	0	0	56	3.4	
		RW- 10	0.5	1.1	1.1	1.0	0.3	0.5	0.9	0.6	0.6	0.9	0.3	178	10.7	
		RW- 11	0	0.0	0.0	0	0.2	0.0	0.2	0.1	0.1	0	0.3	39	2.3	
		RW- 12	0.2	1.6	2.3	1.7	0.6	0.5	1.2	0.5	0.7	1.1	0.3	193	11.6	
		RW- 13	0.2	1.3	1.3	1.3	0.6	0.4	1.0	0.5	0.6	0.8	0.3	171	10.3	
Perimeter		RW- 14	0	0	0	0	0	0	0	0	0	0	0	0		
rennetei		RW- 15	0	0	0	0	0	0	0	0	0	0	0	0		
		RW- 16	0	0	0	0	0	0	0	0	0	0	0	0		
		RW- 17	0	0	0	0	0	0	0	0	0.4	0	0	20	1.2	41.5
		RW- 18	0.2	0.8	1.2	1.2	0.5	0.3	0.9	0.5	0.6	0.9	0.1	144	8.6	
	252	RW- 19	0.3	1.2	1.4	1.3	0.7	0.4	1.1	0.6	0.6	1.0	0.2	172	10.3	
	232	RW- 20	0.3	1.2	1.2	0.9	0.6	0.4	1.2	0.6	0.7	1.0	0.3	179	10.7	
		RW- 21	0	0.6	0	0.0	0.3	0.1	0.0	0.3	0.3	0.3	0.3	59	3.5	33.2
	222	RW- 22	0.3	0.7	0.7	0.4	0.4	0.0	1.0	0.5	0.5	0.9	0.2	120	7.2	
	444	RW- 23	0	0	0	0	0	0	0	0	0	0	0.2	2	0.1	7.3
Total		System Total	2.8	10.8	11.1	9.6	6.1	3.4	9.6	6.2	6.4	8	3.1	1,668		

Notes:

^a estimated of NAPL quantity (total fluids * estimated percent NAPL)

Figures





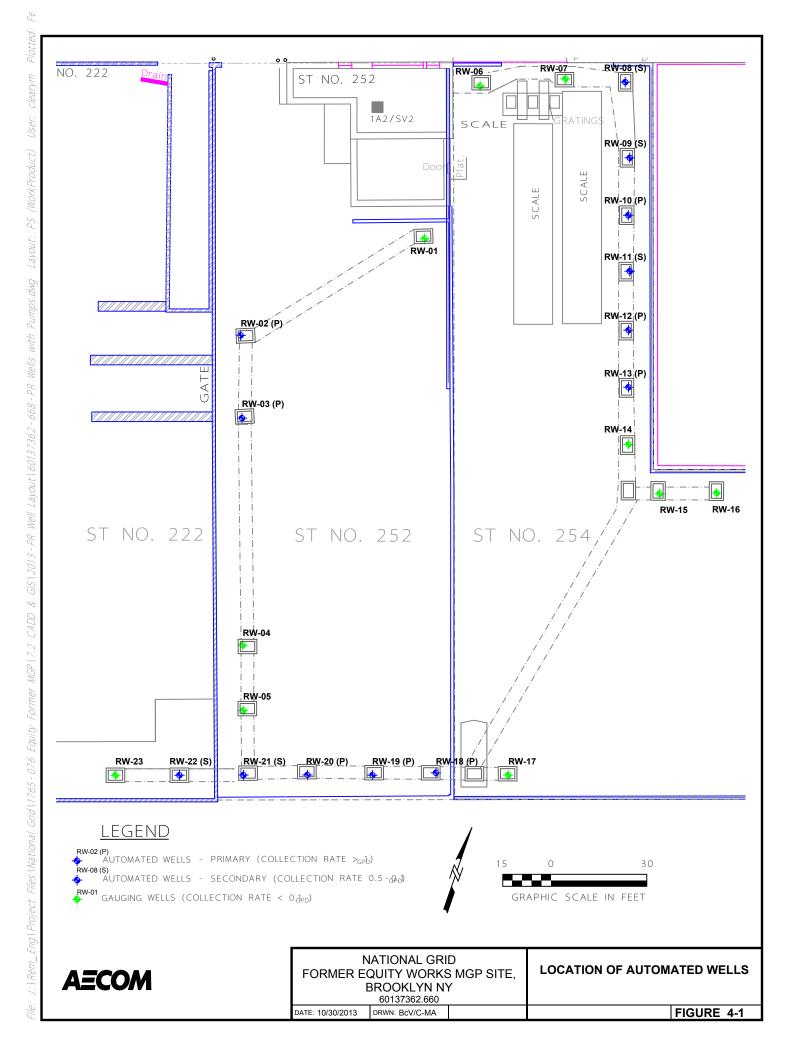


AECOM

NATIONAL GRID FORMER EQUITY WORKS MGP SITE, BROOKLYN, NY 60137362.660

COMPLETED WELL LOCATION

Figure 3-3







AECOM

NATIONAL GRID FORMER EQUITY WORKS MGP SITE, BROOKLYN, NY 60137362.660

CONTROL TRAILER

Figure 4-2

Appendix A

Boring/Recovery Well Logs

AECOM Boring and Well Construction Log

BORING #: RW1

Sheet 1 of 2

Client	: Nationa	al Grid			Location	.ocation: 300 Maspeth Ave, Brooklyn, NY Logged By: Steve Wright					
	t: Equity		MGP Site			Northing: 686698.8 Easting: 649174.7 Drilling Company: Boart Long Year					
	ct #: 601					Elevation: 10.4		erval (ft bgs): 25-40			
	Date: 3/1					Method: Roto-Sonic	Water Level (ft)		_		
inish	Date: 3	/16/2013	1		Borehole	e Diameter:	Total Depth (ft):	45.0			
Oepth (ft bgs)	Recovery Length (%)	OIA (mdd)	Visible and Olfactory Impacts	Graphic	USCS Code	Soil and Rock Description Classification Scheme: USCS		Well Construction Details	Well Construction		
	NA	NA			Concrete	Approximately 1 foot of CONCRETE					
2	NA	NA			FILL	FILL		6" Diam. Sch. 40 PVC Riser Bentonite Seal			
18	NA	NA				FILL, tar coating					
20	NA	NA		71 71 71 71 7 77 77 7 71 71 71 71		PEAT, tar coating 20.0 PEAT, tar stringers and lenses					
22	NA	NA		1, 11, 11, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	PT						
24	NA	NA		<u> </u>	SP	24.0 SILTY fine SAND, tar coated 25.0 SILTY fine SAND, tar saturated		Filter Pack (#0 Sand)			
			demarks:		erminated (25.0 SILTY fine SAND, tar saturated		son (no sent)			

500 Enterprise Dr, Suite 1A Rocky Hill, CT 06067 Phone: (860) 263-5800 Fax: (860) 263-5777

NA - Not Applicable / SAA - Same as Above / bgs - below ground surface

Ground surface elevation referenced to the Brooklyn Highway Datum.

AECOM Boring and Well Construction Log

BORING #: RW1

Sheet 2 of 2

al Grid			Location	: 300 Maspeth Ave, Brooklyn, NY	Logged By: Steve Wright				
y Former N	MGP Site	•	Northing	Northing: 686698.8 Easting: 649174.7 Drilling Company: Boart Long Year					
137362			Ground Elevation: 10.4 Well Screen Interval (ft bgs): 25-40						
15/2013			Drilling N	Method: Roto-Sonic	Water Level (ft)	ater Level (ft): NA			
3/16/2013			Borehole	Diameter:	Total Depth (ft):	45.0			
Old (mdd)	Visible and Olfactory Impacts	Graphic	USCS Code	Soil and Rock Description Classification Scheme: USCS		Well Construction Details	Well Construction		
NA			SP	SILTY fine SAND, tar coated (continued)		6" Diam. 0.020 SS Continue us Wire Wrap Screen			
NA			CL	CLAY		Grout →			
1	y Former I 137362 15/2013 3/16/2013 Q (((() d))	y Former MGP Site 137362 15/2013 3/16/2013 Na plug and and and an analysis of the state of the	y Former MGP Site 137362 15/2013 3/16/2013 Quad (madd) Quad (madd) Quad (madd) Available of the properties of the pr	y Former MGP Site 137362 15/2013 Orilling Management of the property of the	Northing: 686698.8 Easting: 649174.7 Ground Elevation: 10.4 Drilling Method: Roto-Sonic Borehole Diameter: Soil and Rock Description Classification Scheme: USCS NA SP CLAY	Northing: 686698.8 Easting: 649174.7 Drilling Companions of Companions o	Northing: 686698.8 Easting: 649174.7 Drilling Company: Boart Long Year Ground Elevation: 10.4 Well Screen Interval (ft bgs): 25-40 Well Screen Interval (ft bgs): 25-40 Water Level (ft): NA Strict Strict		

Remarks:

Boring Terminated (ft): 45.0

AECOM 500 Enterprise Dr, Suite 1A Rocky Hill, CT 06067 Phone: (860) 263-5800 Fax: (860) 263-5777

See boring log SB-15 for local/adjacent geologic descriptions.

NA - Not Applicable / SAA - Same as Above / bgs - below ground surface

Ground surface elevation referenced to the Brooklyn Highway Datum.

AECOM Boring and Well Construction Log

BORING #: RW10

Sheet 1 of 2

Client	: Nationa	al Grid			Location	Location: 300 Maspeth Ave, Brooklyn, NY Logged By: Steve Wright						
Projec	ct: Equity	y Former N	MGP Site	9	Northing	: 686726.5 Easting : 649232.5	Drilling Compar	ny: Boart Long Year				
Projec	ct #: 601	37362			Ground I	Elevation: 10.3	Well Screen Inte	erval (ft bgs): 31-41				
Start	Date: 3/1	8/2013			Drilling N	Method: Roto-Sonic	Water Level (ft): NA					
Finish	Date: 3	/18/2013			Borehole	e Diameter:	Total Depth (ft): 48.0					
Depth (ft bgs)	Recovery Length (%)	OIG (mdd)	Visible and Olfactory Impacts	Graphic	USCS Code	Soil and Rock Description Classification Scheme: USCS		Well Construction Details	Well Construction			
						FILL material						
2 4												
-								6" Diam. Sch. 40 PVC Riser	+			
6												
	NA	NA										
8												
10 12 14					FILL	14.0		Bentonite Grout				
	NA	NA				FILL material, tar coated						
16	NA	NA				FILL material, heavily tar coated						
	NA	NA				17.0 FILL material						
18	14/7	14/3				PEAT/organic material						
_ 20 _ 22	NA	NA			PT							
24				<u> </u>		24.0						
	NA	NA			SP	SILTY fine SAND 25.0 SILTY fine SAND, tar coated						
		_				(1)						
		R	emarks:		erminated ((ft): 48.0 -3 for local/adjacent geologic descriptions.						
AEC	OM			See pori	ig log PDI-	-5 for focal/adjacent geologic descriptions.						

AECOM 500 Enterprise Dr, Suite 1A Rocky Hill, CT 06067 Phone: (860) 263-5800 Fax: (860) 263-5777

NA - Not Applicable / SAA - Same as Above / bgs - below ground surface

Ground surface elevation referenced to the Brooklyn Highway Datum.

Project: Equity Former MGP Site

Client: National Grid

A=COM Boring and Well Construction Log

Easting: 649232.5

Location: 300 Maspeth Ave, Brooklyn, NY

686726.5

Northing:

BORING #: RW10

Drilling Company: Boart Long Year

Logged By: Steve Wright

Sheet 2 of 2

Projec	ct #: 6013		WOI OIL		_	Elevation: 10.3	Well Screen Into	erval (ft bgs): 31-41	
	Date: 3/1					Method: Roto-Sonic	Water Level (ft):		
	n Date: 3/1					e Diameter:	Total Depth (ft):		
Fillion		110/2013		 	DOTETION	a Diameter:	Total Deptil (it).		
Depth (ft bgs)	Recovery Length (%)	GIA (mdd)	Visible and Olfactory Impacts	Graphic	USCS Code	Soil and Rock Description Classification Scheme: USCS		Well Construction Details	Well Construction
28						SILTY fine SAND (continued)		Bentonite Seal	
30	NA	NA						Filter Pack (#0 Sand)	
32					SP	34.0 SILTY fine SAND, tar saturated			
36	NA	NA				38.0		6" Diam. 0.020 SS Continue us Wire Wrap Screen	
					1	Interbedded SAND and CLAY, tar saturated			
40	NA NA	NA			sc	41.0			
42						CLAY		Grout →	
44	NA	NA			CL			6" Diam. SS Sump	
48						48.0			
						End of boring at 48.0 ft. bgs.			

Remarks:

Boring Terminated (ft): 48.0

AECOM 500 Enterprise Dr, Suite 1A Rocky Hill, CT 06067 Phone: (860) 263-5800 Fax: (860) 263-5777

See boring log PDI-3 for local/adjacent geologic descriptions.

NA - Not Applicable / SAA - Same as Above / bgs - below ground surface

Ground surface elevation referenced to the Brooklyn Highway Datum.

BORING #: RW11

Sheet 1 of 2

Client	: Nationa	al Grid			Location:	: 300 Maspeth Ave, Brooklyn, NY	Logged By: St	eve Wright	
Projec	t: Equity	/ Former N	/IGP Site	•	Northing:	: 686710.1 Easting: 649238.6	Drilling Compar	ny: Boart Long Year	
Projec	t#: 601	37362			Ground E	Elevation: 10.3	Well Screen Inte	erval (ft bgs): 31-41	
Start I	Date: 3/1	9/2013			Drilling N	lethod: Roto-Sonic	Water Level (ft)	: NA	
Finish	Date: 3	/19/2013			Borehole	Diameter:	Total Depth (ft):	46.0	
Oepth (ft bgs)	Recovery Length (%)	OIA (mdd)	Visible and Olfactory Impacts	Graphic	USCS Code	Soil and Rock Description Classification Scheme: USCS		Well Construction Details	Well Construction
2 4 - 6 - 8 - 10 - 12 - 14	NA	NA			FILL	FILL material		6" Diam. Sch. 40 PVC Riser Bentonite Seal Filter Pack (#0 Sand)	
16 18	NA	NA				FILL material, tar saturated 18.0 FILL material		6" Diam. 0.020 SS Continueus	
20	NA	NA				20.0 PEAT/organic material		Wire Wrap Screen	
	NA	NA			PT	24.0		6" Diam. Sch. 40 PVC Riser	
					SP	SILTY fine SAND, tar coated bands		Bentonite Seal	
		R	emarks:	Boring Te	erminated (ft): 46.0			
AEC	ОМ					3 for local/adjacent geologic descriptions.			
500 I Rock Phor	Enterprise ky Hill, CT ne: (860) 2	263-5800	1A	Ground s	surface elev	/ SAA - Same as Above / bgs - below ground vation referenced to the Brooklyn Highway Dating coordinates referenced to New York State P	um.		
500 I Rock Phor	Enterprise cy Hill, CT	e Dr, Suite 06067 263-5800		See boring NA - Not Ground s	ng log PDI- Applicable surface elev	3 for local/adjacent geologic descriptions. / SAA - Same as Above / bgs - below ground	um.	`	

(Continued Next Page)

BORING #: RW11

Sheet 2 of 2

Client	: Nationa	al Grid			Location	: 300 Maspeth Ave, Brooklyn, NY	Logged By: St	teve Wright	
Projec	ct: Equity	/ Former N	MGP Site	•	Northing	g: 686710.1 Easting : 649238.6	Drilling Compa	ny: Boart Long Year	
Projec	ct #: 601	37362			Ground	Elevation: 10.3	Well Screen Int	erval (ft bgs): 31-41	
Start I	Date: 3/1	9/2013			Drilling I	Method: Roto-Sonic	Water Level (ft)	: NA	
Finish	Date: 3	/19/2013			Borehole	e Diameter:	Total Depth (ft):	: 46.0	
Depth (ft bgs)	Recovery Length (%)	OIA (mdd)	Visible and Olfactory Impacts	Graphic	USCS Code	Soil and Rock Description Classification Scheme: USCS		Well Construction Details	Well Construction
	NA	NA				SILTY fine SAND, tar coated bands (continued)			
28						30.0		Filter Deals (#0 Cond)	
32					SP	SILTY fine SAND, tar saturated, beds of tar saturation from	n 30 to 34 ft bgs	Filter Pack (#0 Sand)	
34 36	NA	NA						6" Diam. 0.020 SS Continueче Wire Wrap Screen	
38						40.0			
42						CLAY		Grout →	
44	NA	NA			CL			6" Diam. SS Sump	
46				<u> </u>		46.0 End of boring at 46.0 ft. bgs.			
1									

Remarks:

Boring Terminated (ft): 46.0

AECOM 500 Enterprise Dr, Suite 1A Rocky Hill, CT 06067 Phone: (860) 263-5800 Fax: (860) 263-5777

See boring log PDI-3 for local/adjacent geologic descriptions.

NA - Not Applicable / SAA - Same as Above / bgs - below ground surface

Ground surface elevation referenced to the Brooklyn Highway Datum.

BORING #: RW12

Sheet 1 of 2

Client	: Nationa	al Grid			Location	: 300 Maspeth Ave, Brooklyn, NY	Logged By: St	eve Wright	
Projec	t: Equity	/ Former N	/IGP Site	e	Northing	: 686692.6 Easting : 649244.2	Drilling Compar	ny: Boart Long Year	
Projec	t#: 601	37362			Ground I	Elevation: 10.3	Well Screen Inte	erval (ft bgs): 31-41	
Start I	Date: 3/1	9/2013			Drilling N	Method: Roto-Sonic	Water Level (ft)	: NA	
Finish	Date: 3	/19/2013			Borehole	Diameter:	Total Depth (ft):	46.0	
O Depth (ft bgs)	Recovery Length (%)	Old (mdd)	Visible and Olfactory Impacts	Graphic	USCS Code	Soil and Rock Description Classification Scheme: USCS		Well Construction Details	Well
2 - 4 - 6 - 8 - 10 - 12 - 14	NA	NA			FILL	FILL material		6" Diam. Sch. 40 PVC Riser Bentonite Grout	
16	NA	NA				FILL material, tar saturated 17.0			
18	NA	NA				FILL material 18.0			
	NA NA	NA NA		77 77 77 77 77 77 77 77 77 77 77 77 77	PT	PEAT/organic material 24.0 SILTY fine SAND			
		R	emarks:	Boring To	erminated ((ft): 46.0			

AECOM 500 Enterprise Dr, Suite 1A Rocky Hill, CT 06067 Phone: (860) 263-5800 Fax: (860) 263-5777

See boring log PDI-3 for local/adjacent geologic descriptions.

NA - Not Applicable / SAA - Same as Above / bgs - below ground surface

Ground surface elevation referenced to the Brooklyn Highway Datum.

BORING #: RW12

Sheet 2 of 2

Client	: Nation	al Grid			Location	a: 300 Maspeth Ave, Brooklyn, NY	Logged By: S	teve Wright	
Projec	t: Equity	y Former I	MGP Site	•	Northing	g: 686692.6 Easting: 649244.2	Drilling Compa	ny: Boart Long Year	
Projec	t#: 601	37362			Ground	Elevation: 10.3	Well Screen Int	erval (ft bgs): 31-41	
Start [Date : 3/1	19/2013			Drilling I	Method: Roto-Sonic	Water Level (ft)	: NA	
Finish	Date: 3	3/19/2013			Borehole	e Diameter:	Total Depth (ft)	: 46.0	
Depth (ft bgs)	Recovery Length (%)	Old (mdd)	Visible and Olfactory Impacts	Graphic	USCS Code	Soil and Rock Description Classification Scheme: USCS		Well Construction Details	Well
28						27.0 SILTY fine SAND (continued) SILTY fine SAND, heavily tar coated bands		Bentonite Seal	
30	NA	NA						Filter Pack (#0 Sand)	
34					SP	34.0 SILTY fine SAND, tar saturated		6" Diam. 0.020 SS Continueur Wire Wrap Screen	
38	NA	NA						wire wrap Screen	
42					_	40.5 CLAY		Grout →	
44 	NA	NA			CL	46.0		6" Diam. SS Sump	

Remarks:

Boring Terminated (ft): 46.0

AECOM 500 Enterprise Dr, Suite 1A Rocky Hill, CT 06067 Phone: (860) 263-5800 Fax: (860) 263-5777

See boring log PDI-3 for local/adjacent geologic descriptions.

NA - Not Applicable / SAA - Same as Above / bgs - below ground surface

Ground surface elevation referenced to the Brooklyn Highway Datum.

Northing and Easting coordinates referenced to New York State Plane NAD83 East.

End of boring at 46.0 ft. bgs.

BORING #: RW13

Sheet 1 of 2

Client	: Nationa	al Grid			Location	: 300 Maspeth Ave, Brooklyn, NY	Logged By: St	eve Wright	
Projec	t: Equity	/ Former N	/IGP Site	•	Northing:	: 686675.7 Easting : 649250.0	Drilling Compar	ny: Boart Long Year	
Projec	ct #: 601	37362			Ground E	Elevation: 10.7	Well Screen Int	erval (ft bgs): 31-41	
Start I	Date: 3/2	0/2013			Drilling N	lethod: Roto-Sonic	Water Level (ft)	: NA	
Finish	Date: 3	/20/2013			Borehole	Diameter:	Total Depth (ft):	46.0	
Oepth (ft bgs)	Recovery Length (%)	PID (mdd)	Visible and Olfactory Impacts	Graphic	USCS Code	Soil and Rock Description Classification Scheme: USCS		Well Construction Details	Well Construction
2 4 4 6 8 10 110 112 112	NA	NA			FILL	FILL material		6" Diam. Sch. 40 PVC Riser Bentonite Grout	
14	NA NA	NA NA			PT	18.0 PEAT/organic material 25.0 SILTY fine SAND			
	101		emarks:	Boring Te	erminated (ft): 46.0			

AECOM 500 Enterprise Dr, Suite 1A Rocky Hill, CT 06067 Phone: (860) 263-5800 Fax: (860) 263-5777

See boring logs PDI-3 and PDI-4 for local/adjacent geologic descriptions.

NA - Not Applicable / SAA - Same as Above / bgs - below ground surface

Ground surface elevation referenced to the Brooklyn Highway Datum.

BORING #: RW13

Sheet 2 of 2

Client	: Nationa	al Grid			Location	a: 300 Maspeth Ave, Brooklyn, NY	Logged By: St	teve Wright	
Projec	ct: Equity	/ Former N	MGP Site)	Northing	g: 686675.7 Easting : 649250.0	Drilling Compa	ny: Boart Long Year	
Projec	ct #: 601	37362			Ground	Elevation: 10.7	Well Screen Int	erval (ft bgs): 31-41	
Start I	Date: 3/2	20/2013			Drilling I	Method: Roto-Sonic	Water Level (ft)	: NA	
Finish	Date: 3	/20/2013			Borehole Diameter: Total Depth (: 46.0	
Depth (ft bgs)	Recovery Length (%)	OIG (mdd)	Visible and Olfactory Impacts	Graphic	USCS Code	Soil and Rock Description Classification Scheme: USCS		Well Construction Details	Well Construction
						27.0 SILTY fine SAND (continued) Sility fine SAND, heavily tar coated		Bentonite Seal —	
30	NA	NA						Filter Pack (#0 Sand)	
32 34					SP	SILTY fine SAND, tar saturated			
36 38 	NA	NA				40.0		6" Diam. 0.020 SS Continue us Wire Wrap Screen	
	NA	NA				SILTY fine SAND 41.0			
42						CLAY		Grout →	
44 46	NA	NA			CL	46.0 End of boring at 46.0 ft. bgs.		6" Diam. SS Sump	

Remarks:

Boring Terminated (ft): 46.0

AECOM 500 Enterprise Dr, Suite 1A Rocky Hill, CT 06067 Phone: (860) 263-5800 Fax: (860) 263-5777

See boring logs PDI-3 and PDI-4 for local/adjacent geologic descriptions.

NA - Not Applicable / SAA - Same as Above / bgs - below ground surface

Ground surface elevation referenced to the Brooklyn Highway Datum.

BORING #: RW14

Sheet 1 of 2

Client	:: Nationa	al Grid			Location	: 300 Maspeth Ave, Brooklyn, NY	Logged By: St	eve Wright	
Projec	ct: Equity	/ Former N	/IGP Site	•	Northing	: 686658.8 Easting : 649255.8	Drilling Compar	ny: Boart Long Year	
Projec	ct #: 601	37362			Ground E	Elevation: 11.0	Well Screen Int	erval (ft bgs): 30-40	
Start	Date: 3/2	20/2013			Drilling N	Method: Roto-Sonic	Water Level (ft)	: NA	
Finish	Date: 3	/20/2013			Borehole	Diameter:	Total Depth (ft):	45.0	
Oepth (ft bgs)	Recovery Length (%)	OId (mdd)	Visible and Olfactory Impacts	Graphic	USCS Code	Soil and Rock Description Classification Scheme: USCS		Well Construction Details	Well Construction
2 4 6 8 10 12 14 16	NA	NA			FILL	FILL material		6" Diam. Sch. 40 PVC Riser Bentonite Seal Filter Pack (#0 Sand)	
18	NA	NA				FILL material, tar saturated 18.0 PEAT/organic material		6" Diam. 0.020 SS Continueus Wire Wrap Screen	
	NA	NA		77 77 77 77 77 77 77 77 77 77 77 77 77	PT			6" Diam. Sch. 40 PVC Riser Bentonite Seal	- -
26	NA	NA				25.0 SILTY fine SAND 26.0 SILTY fine SAND, tar coated, few bands of tar saturation			
	•	R	emarks:	Borina Te	erminated (-	
AFC	OM					4 for local/adjacent geologic descriptions.			

AECOM 500 Enterprise Dr, Suite 1A Rocky Hill, CT 06067 Phone: (860) 263-5800 Fax: (860) 263-5777

See boring log PDI-4 for local/adjacent geologic descriptions.

NA - Not Applicable / SAA - Same as Above / bgs - below ground surface

Ground surface elevation referenced to the Brooklyn Highway Datum.

BORING #: RW14

Sheet 2 of 2

Client	: Nationa	al Grid			Location	: 300 Maspeth Ave, Brooklyn, NY	Logged By: St	eve Wright	
Projec	t: Equity	y Former N	MGP Site	;	Northing	: 686658.8 Easting : 649255.8	Drilling Compar	ny: Boart Long Year	
Projec	t#: 601	37362			Ground I	Elevation: 11.0	Well Screen Into	erval (ft bgs): 30-40	
Start	Date: 3/2	20/2013			Drilling N	Method: Roto-Sonic	Water Level (ft)	: NA	
Finish	Date: 3	/20/2013			Borehole	Diameter:	Total Depth (ft):	45.0	
Depth (ft bgs)	Recovery Length (%)	Old (mdd)	Visible and Olfactory Impacts	Graphic	USCS Code	Soil and Rock Description Classification Scheme: USCS		Well Construction Details	Well Construction
28 30 - 32	NA	NA				SILTY fine SAND (continued)		Filter Pack (#0 Sand)	
34 36 38	NA	NA			SP	SILTY fine SAND, tar saturated 39.0 SILTY fine SAND		6" Diam. 0.020 SS Continu cus Wire Wrap Screen	
40 42	NA NA	NA NA			0:	40.0 CLAY		Grout -	
44	NA	NA			CL	45.0 End of boring at 45.0 ft. bgs.		6" Diam. SS Sump	

Remarks:

Boring Terminated (ft): 45.0

AECOM 500 Enterprise Dr, Suite 1A Rocky Hill, CT 06067 Phone: (860) 263-5800 Fax: (860) 263-5777

See boring log PDI-4 for local/adjacent geologic descriptions.

NA - Not Applicable / SAA - Same as Above / bgs - below ground surface

Ground surface elevation referenced to the Brooklyn Highway Datum.

BORING #: RW15

Sheet 1 of 2

Client	: Nationa	al Grid			Location	: 300 Maspeth Ave, Brooklyn, NY	Logged By: St	teve Wright	
Projec	t: Equity	/ Former N	/IGP Site	9	Northing	: 686647.4 Easting : 649270.0	Drilling Compa	ny: Boart Long Year	
Projec	t#: 601	37362			Ground E	Elevation: 11.3	Well Screen Int	erval (ft bgs): 30-40	
Start I	Date: 3/1	9/2013			Drilling N	Method: Roto-Sonic	Water Level (ft)	: NA	
Finish	Date: 3	/19/2013			Borehole	Diameter:	Total Depth (ft):	45.0	
Oepth (ft bgs)	Recovery Length (%)	OIA (mdd)	Visible and Olfactory Impacts	Graphic	USCS Code	Soil and Rock Description Classification Scheme: USCS		Well Construction Details	Well Construction
2	NA NA	NA NA			PT	20.0 PEAT/organic material 25.0 SILTY fine SAND, tar coated		6" Diam. Sch. 40 PVC Riser Bentonite Grout	
		_		<u>RANGANAN</u>		(7) 450		<u> </u>	
 		R	emarks:		erminated (ft): 45.0			

AECOM 500 Enterprise Dr, Suite 1A Rocky Hill, CT 06067 Phone: (860) 263-5800 Fax: (860) 263-5777

See boring log PDI-5 for local/adjacent geologic descriptions.

NA - Not Applicable / SAA - Same as Above / bgs - below ground surface

Ground surface elevation referenced to the Brooklyn Highway Datum.

BORING #: RW15

Sheet 2 of 2

onal Grid			Location	: 300 Maspeth Ave, Brooklyn, NY	Logged By: St	eve Wright	
uity Former	MGP Site	•	Northing	: 686647.4 Easting : 649270.0	Drilling Compar	ny: Boart Long Year	
0137362			Ground	Elevation: 11.3	Well Screen Inte	erval (ft bgs): 30-40	
3/19/2013			Drilling I	Method: Roto-Sonic	Water Level (ft):	: NA	
3/19/2013			Borehole Diameter:		Total Depth (ft):	45.0	
(mdd)	Visible and Olfactory Impacts	Graphic	USCS Code	Soil and Rock Description Classification Scheme: USCS		Well Construction Details	Well Construction
NA				SILTY fine SAND, tar coated <i>(continued)</i> 30.0 SILTY fine SAND, tar saturated		Bentonite Seal Filter Pack (#0 Sand)	
NA			SP			6" Diam. 0.020 SS Continueus Wire Wrap Screen	
NA			CL	45.0		Grout →	
(3/19/2013 3/19/2013 3/19/2013 NA	uity Former MGP Site (20137362) (3/19/2013 (3/19/2013 (1/19/2013 (uity Former MGP Site 90137362 3/19/2013 3/19/2013 C. (mdd) NA NA NA NA NA	uity Former MGP Site 0137362 3/19/2013 3/19/2013 Borehold and (mudd) NA NA NA NA SP NA NA NA NA NA NA NA NA NA N	wity Former MGP Site Northing: 686647.4 Easting: 649270.0 Ground Elevation: 11.3 3/19/2013 Prilling Method: Roto-Sonic Borehole Diameter: Soil and Rock Description Classification Scheme: USCS SILTY fine SAND, tar coated (continued) NA NA CL CL CLAY	Northing: 686647.4 Easting: 649270.0 Drilling Comparing	Unity Former MGP Site Northing: 686647.4 Easting: 649270.0 Drilling Company: Boart Long Year 10137362 Ground Elevation: 11.3 Well Screen Interval (ft bgs): 30-40 3/19/2013 Drilling Method: Roto-Sonic Water Level (ft): NA 3/19/2013 Borehole Diameter: Total Depth (ft): 45.0 Soil and Rock Description Classification Scheme: USCS Soil and Rock Description Classification Scheme: USCS Filter Pack (#0 Sand) SILTY fine SAND, tar coated (continued) SP SILTY fine SAND, tar saturated SP CLAY Grout Grout

Remarks:

Boring Terminated (ft): 45.0

AECOM 500 Enterprise Dr, Suite 1A Rocky Hill, CT 06067 Phone: (860) 263-5800 Fax: (860) 263-5777

See boring log PDI-5 for local/adjacent geologic descriptions.

NA - Not Applicable / SAA - Same as Above / bgs - below ground surface

Ground surface elevation referenced to the Brooklyn Highway Datum.

BORING #: RW16

Sheet 1 of 2

Client	: Nationa	al Grid			Location	: 300 Maspeth Ave, Brooklyn, NY	Logged By: St	eve Wright	
Projec	t: Equity	/ Former N	/IGP Site	•	Northing	: 686653.4 Easting : 649286.8	Drilling Compar	ny: Boart Long Year	
Projec	t#: 601	37362			Ground E	Elevation: 11.7	Well Screen Into	erval (ft bgs): 30-45	
Start I	Date: 3/1	8/2013			Drilling N	Method: Roto-Sonic	Water Level (ft)	: NA	
Finish	Date: 3	/18/2013			Borehole Diameter: Total Depth			50.0	
O Depth (ft bgs)	Recovery Length (%)	Old (mdd)	Visible and Olfactory Impacts	Graphic	USCS Code	Soil and Rock Description Classification Scheme: USCS		Well Construction Details	Well Construction
2 4 4 6 8 8 10 112 114 116 118 118 118 119 122 119 122 119 119 119 119 119 119	NA	NA NA			FILL	FILL material, lots of brick from 10 to 15 ft bgs 20.0 PEAT/organic material		6" Diam. Sch. 40 PVC Riser Bentonite Grout	
_ 24						25.0 CLAY with organics		Bentonite Seal →	
26	NA	NA			OH			Bontonite Ocai	
		R	emarks:	Boring To	erminated ((ft): 50.0			

AECOM 500 Enterprise Dr, Suite 1A Rocky Hill, CT 06067 Phone: (860) 263-5800 Fax: (860) 263-5777

See boring logs PDI-5 and SB-12B for local/adjacent geologic descriptions.

NA - Not Applicable / SAA - Same as Above / bgs - below ground surface

Ground surface elevation referenced to the Brooklyn Highway Datum.

BORING #: RW16

Sheet 2 of 2

	tional Grid				n: 300 Maspeth Ave, Brooklyn, NY	Logged By: St	
Project: E			ite	Northing		-	y: Boart Long Year
Project #:				Ground	Elevation: 11.7	Well Screen Inte	erval (ft bgs): 30-45
Start Date:				Drilling I	Method: Roto-Sonic	Water Level (ft):	NA
inish Date	: 3/18/20		T	Borehole	e Diameter:	Total Depth (ft):	50.0
Depth (ft bgs) (Recovery Length	(%)	Visible and	Graphic	nscs code	Soil and Rock Description Classification Scheme: USCS		Well Construction Details
+				OH	27.0 CLAY with organics (continued) SILTY fine SAND, tar coated bands		
28 NA	A NA	.					Filter Pack (#0 Sand)
- NA	A NA	`			30.0 SILTY fine SAND, tar saturated 32.0 SILTY fine SAND, tar coated		
34 NA	A NA				35.0		
36 NA	A NA	`		SP	SILTY fine SAND, tar saturated	,	5" Diam. 0.020 SS Continueus Wire Wrap Screen
42 NA	A NA				SILTY fine SAND, tar saturated pockets of SAND		
46					CLAY		Grout
48 NA	A NA			CL			6" Diam. SS Sump

Remarks:

Boring Terminated (ft): 50.0

AECOM 500 Enterprise Dr, Suite 1A Rocky Hill, CT 06067 Phone: (860) 263-5800 Fax: (860) 263-5777

See boring logs PDI-5 and SB-12B for local/adjacent geologic descriptions.

NA - Not Applicable / SAA - Same as Above / bgs - below ground surface

Ground surface elevation referenced to the Brooklyn Highway Datum.

BORING #: RW17

Sheet 1 of 2

Client	: Nationa	al Grid			Location	: 300 Maspeth Ave, Brooklyn, NY	Logged By: Kr	risten Durocher	
Projec	t: Equity	Former N	/IGP Site	9	Northing	: 686548.9 Easting : 649253.9	Drilling Compar	ny: Boart Long Year	
Projec	t#: 601	37362			Ground E	Elevation: 12.4	Well Screen Inte	erval (ft bgs): 28-43	
Start I	Date: 4/8	/2013			Drilling N	Method: Roto-Sonic	Water Level (ft)	: NA	
Finish	Date: 4	/10/2013			Borehole	Diameter:	Total Depth (ft):	48.0	
Oepth (ft bgs)	Recovery Length (%)	OId (mdd)	Visible and Olfactory Impacts	Graphic	USCS Code	Soil and Rock Description Classification Scheme: USCS		Well Construction Details	Well Construction
4 6 8					Fill	Fill material, some brick fragments and glass. 11.0		6" Diam. Sch. 40 PVC Riser	
12	NA	NA			ML	Sandy Silt, grey to black, fine grained, some coarse to fine 15.0	gravei.	Bentonite Grout →	
16				77 77 77 77 77 77 77 77 77 77 77 77 77	PT	Fibrous and Friable Peat		Bentonite Seal →	
26				11 11 11 11 11 11 11 11 11 11 11 11 11		26.0			
	NA	NA			SP	SAND, tar saturated/Sand tar coated			
AEC	OM	R	emarks:		erminated ((ft): 48.0 6 for local/adjacent geologic descriptions.			

AECOM 500 Enterprise Dr, Suite 1A

Rocky Hill, CT 06067 Phone: (860) 263-5800

Fax: (860) 263-5777

See boring log PDI-6 for local/adjacent geologic descriptions.

NA - Not Applicable / SAA - Same as Above / bgs - below ground surface

Ground surface elevation referenced to the Brooklyn Highway Datum.

Client: National Grid

AECOM Boring and Well Construction Log

Location: 300 Maspeth Ave, Brooklyn, NY

BORING #: RW17

Logged By: Kristen Durocher

Sheet 2 of 2

Projec	t: Equity	y Former N	IGP Site	9	Northing	: 686548.9 Easting : 649253.9	Drilling Compar	ny: Boart Long Year	
Projec	t#: 601	37362			Ground I	Elevation: 12.4	Well Screen Into	erval (ft bgs): 28-43	
Start [Date: 4/8	3/2013			Drilling N	Method: Roto-Sonic	Water Level (ft)	: NA	
Finish	Date: 4	/10/2013			Borehole	Diameter:	Total Depth (ft):	48.0	
Depth (ft bgs)	Recovery Length (%)	Old (mdd)	Visible and Olfactory Impacts	Graphic	USCS Code	Soil and Rock Description Classification Scheme: USCS		Well Construction Details	Well Construction
-						SAND, tar saturated/Sand tar coated (continued)		Filter Pack (#0 Sand)	
30 32 34 36 38	NA	NA			SP			6° Diam. 0.020 SS Continue us Wire Wrap Screen	
42	NA	NA				43.0			
44	NA	NA				CLAY		Grout —	
46					CL			6" Diam. SS Sump	
48						48.0			

Remarks:

Boring Terminated (ft): 48.0

AECOM 500 Enterprise Dr, Suite 1A Rocky Hill, CT 06067 Phone: (860) 263-5800 Fax: (860) 263-5777

See boring log PDI-6 for local/adjacent geologic descriptions.

NA - Not Applicable / SAA - Same as Above / bgs - below ground surface

Ground surface elevation referenced to the Brooklyn Highway Datum.

BORING #: RW18

Sheet 1 of 2

Client	: Nationa	al Grid			Location	: 300 Maspeth Ave, Brooklyn, NY	Logged By: St	teve Wright	
Projec	ct: Equity	/ Former N	MGP Site	•	Northing	: 686542.2 Easting : 649232.4	Drilling Compar	ny: Boart Long Year	
Projec	ct #: 601	37362			Ground E	Elevation: 12.6	Well Screen Inte	erval (ft bgs): 35-45	
Start I	Date: 3/1	4/2013			Drilling N	Method: Roto-Sonic	Water Level (ft)	: NA	
Finish	Date: 3	/15/2013			Borehole	Diameter:	Total Depth (ft):	50.0	
o Depth (ft bgs)	Recovery Length (%)	Old (mdd)	Visible and Olfactory Impacts	Graphic	USCS Code	Soil and Rock Description Classification Scheme: USCS		Well Construction Details	Well Construction
2 4 4 6 6 10 112 114 116 118	NA	NA			FILL	FILL material		Bentonite Grout 6" Diam. Sch. 40 PVC Riser	
20	NA	NA				FILL, NAPL coated, tar staining at 19 ft bgs			
22 24 26	NA	NA		77 77 77 77 77 77 77 77 77 77 77 77 77	PT	PEAT/organic material 26.0 SILTY fine SAND			
			omarke:		arminated (
		R	emarks:		erminated ((t): 50.0			

AECOM 500 Enterprise Dr, Suite 1A

Rocky Hill, CT 06067 Phone: (860) 263-5800 Fax: (860) 263-5777

See boring log PDI-6 for local/adjacent geologic descriptions.

NA - Not Applicable / SAA - Same as Above / bgs - below ground surface

Ground surface elevation referenced to the Brooklyn Highway Datum.

BORING #: RW18

Sheet 2 of 2

Client: National Grid Location: 300 Maspeth Ave, Brooklyn, NY Logged By: Steve Wright Northing: 649232.4 Project: Equity Former MGP Site 686542.2 Drilling Company: Boart Long Year Easting: Project #: 60137362 Ground Elevation: 12.6 Well Screen Interval (ft bgs): 35-45 Start Date: 3/14/2013 Drilling Method: Roto-Sonic Water Level (ft): NA Finish Date: 3/15/2013 **Borehole Diameter:** Total Depth (ft): Recovery Length (%) Well Construction JSCS Code Graphic Depth (ft bgs) Soil and Rock Description Classification Scheme: USCS PEAT/organic material (continued) 1/ 1/1/ 1/1/ 28 1, 11, 11, 11/ 11/ 11/ NA NA 30 1, 11, 11, <u>/// /// //</u> Bentonite Seal 32 1, 11, 11, 11/ 11/ 11/ 1 11 11 SILTY fine SAND, heavily tar coated pockets of SAND 34 11, 11, 11 Filter Pack (#0 Sand) 1, 11, 11, 71 71 VI 36 1/ 1/1/ 1/1/ NA NA 1, 11, 11, 38 11/ 11/ 11/ 1, 11, 11, 71 71 71 40 6" Diam. 0.020 SS Continuous SILTY fine SAND, tar saturated 11/11/ Wire Wrap Screen 11/ 11/ 11/ 1, 11, 11, 42 11/11/11/11 NA NA 1, 11, 11, 44 <u>/1 // // //</u> 11/11/ Gray CLAY Grout 46 NA NA 6" Diam. SS Sump 48 50 End of boring at 50.0 ft. bgs.

Remarks:

Boring Terminated (ft): 50.0

AECOM 500 Enterprise Dr, Suite 1A Rocky Hill, CT 06067 Phone: (860) 263-5800 Fax: (860) 263-5777

See boring log PDI-6 for local/adjacent geologic descriptions

NA - Not Applicable / SAA - Same as Above / bgs - below ground surface

Ground surface elevation referenced to the Brooklyn Highway Datum.

BORING #: RW19

Sheet 1 of 2

Client	: Nationa	al Grid			Location	: 300 Maspeth Ave, Brooklyn, NY	Logged By: St	eve Wright	
Projec	t: Equity	/ Former N	MGP Site	;	Northing	: 686535.0 Easting : 649213.8	Drilling Compa	ny: Boart Long Year	
Projec	ct #: 601	37362			Ground I	Elevation: 12.8	Well Screen Int	erval (ft bgs): 37-47	
Start I	Date: 3/1	6/2013			Drilling N	Method: Roto-Sonic	Water Level (ft)	: NA	
Finish	Date: 3	/16/2013			Borehole	Diameter:	Total Depth (ft):	52.0	
O Depth (ft bgs)	Recovery Length (%)	(mdd)	Visible and Olfactory Impacts	Graphic	USCS Code	Soil and Rock Description Classification Scheme: USCS		Well Construction Details	Well Construction
2 4 4 6 8 10 11 12 12 14 14	NA	NA			FILL	FILL material		6" Diam. Sch. 40 PVC Riser	
16 18 20	NA	NA				FILL material, tar coated		Bentonite Grout	
	NA	NA		77 77 77 77 77 77 77 77 77 77 77 77 77 77	PT	PEAT/organic material			
		R	emarks:		erminated ((ft): 52.0			

AECOM 500 Enterprise Dr, Suite 1A Rocky Hill, CT 06067 Phone: (860) 263-5800 Fax: (860) 263-5777

See boring logs PDI-6, PDI-8, and SB-21 for local/adjacent geologic descriptions.

NA - Not Applicable / SAA - Same as Above / bgs - below ground surface

Ground surface elevation referenced to the Brooklyn Highway Datum.

BORING #: RW19

Sheet 2 of 2

Client: National Grid Location: 300 Maspeth Ave, Brooklyn, NY Logged By: Steve Wright 686535.0 Project: Equity Former MGP Site Northing: 649213.8 Drilling Company: Boart Long Year Easting: Project #: 60137362 Ground Elevation: 12.8 Well Screen Interval (ft bgs): 37-47 Start Date: 3/16/2013 Drilling Method: Roto-Sonic Water Level (ft): NA Finish Date: 3/16/2013 **Borehole Diameter:** Total Depth (ft): Recovery Length (%) Well Construction JSCS Code Depth (ft bgs) Soil and Rock Description Classification Scheme: USCS 27.0 PEAT/organic material (continued) РΤ SILTY fine SAND 28 30 SP NA NA 32 Bentonite Seal 34 CLAY/SILT 36 Filter Pack (#0 Sand) 38 NA NA CL 40 42 6" Diam. 0.020 SS Continue. Wire Wrap Screen SILTY fine SAND, tar saturated SP NA NA 46 47.0 48 NA NA CL 6" Diam. SS Sump 50 52 End of boring at 52.0 ft. bgs.

Remarks:

Boring Terminated (ft): 52.0

AECOM 500 Enterprise Dr, Suite 1A Rocky Hill, CT 06067 Phone: (860) 263-5800 Fax: (860) 263-5777

See boring logs PDI-6, PDI-8, and SB-21 for local/adjacent geologic descriptions

NA - Not Applicable / SAA - Same as Above / bgs - below ground surface

Ground surface elevation referenced to the Brooklyn Highway Datum.

BORING #: RW2 Sheet 1 of 2

Client	: Nationa	al Grid			Location	: 300 Maspeth Ave, Brooklyn, NY	Logged By: St	eve Wright		
Projec	ct: Equity	y Former N	/IGP Site	•	Northing	: 686651.6 Easting : 649130.1	Drilling Compar	ny: Boart Long Year		
Projec	ct #: 601	37362			Ground I	Elevation: 10.8	Well Screen Into	erval (ft bgs): 36-46		
Start	Date: 3/1	7/2013			Drilling N	Method: Roto-Sonic	Water Level (ft):	: NA		
Finish	Date: 3	/17/2013			Borehole	Diameter:	Total Depth (ft):	: 51.0		
O Depth (ft bgs)	Recovery Length (%)	Old (mdd)	Visible and Olfactory Impacts	Graphic	USCS Code	Soil and Rock Description Classification Scheme: USCS		Well Construction Details	Well Construction	
	NA	NA			Concrete	Approximately 1 foot of CONCRETE 1.0				
2 4 4 6 8 8 10 112 12 14	NA	NA			FILL	FILL material				
16	NA	NA				FILL material, tar saturated 16.0 FILL material		Bentonite Grout		
18	NA	NA				18.0		6" Diam. Sch. 40 PVC Riser		
L _	NA	NA				FILL material, heavily tar coated 19.0				
22 24 26	NA	NA		70 20 20 20 20 20 20 20 20 20 20 20 20 20	РТ	PEAT/organic material				
	<u> </u>	P	emarke:	Boring Te	erminated ((ft): 51.0		I		

Remarks:

Boring Terminated (ft): 51.0

AECOM 500 Enterprise Dr, Suite 1A Rocky Hill, CT 06067 Phone: (860) 263-5800 Fax: (860) 263-5777

See boring log SB-29/MW-15B for local/adjacent geologic descriptions.

NA - Not Applicable / SAA - Same as Above / bgs - below ground surface

Ground surface elevation referenced to the Brooklyn Highway Datum.

Client: National Grid

AECOM Boring and Well Construction Log

Location: 300 Maspeth Ave, Brooklyn, NY

BORING #: RW2

Logged By: Steve Wright

Sheet 2 of 2

	t#: 601	/ Former N 37362	0110	•		: 686651.6 Easting: 649130.1 Elevation: 10.8		ny: Boart Long Year erval (ft bgs): 36-46	_
	Date: 3/1					Method: Roto-Sonic	Water Level (ft):		_
	Date: 3.					Diameter:	Total Depth (ft):		_
Depth (ft bgs)	Recovery Length (%)	OIA (mdd)	Visible and Olfactory Impacts	Graphic	USCS Code	Soil and Rock Description Classification Scheme: USCS	. (,	Well Construction Details	Well
- 28				77 77 77 Y	PT	PEAT/organic material (continued)			
30	NA	NA			SP	28.0 SILTY fine SAND			
32	NA	NA			ML-CL	SILT/CLAY		Bentonite Seal →	
36	NA NA	NA NA				35.0 SILTY fine SAND, tar saturated SILTY fine SAND		Filter Pack (#0 Sand)	
338 - 40 - 42 - 44 - 46	NA	NA			SP	36.5 SILTY fine SAND, tar saturated		6" Diam. 0.020 SS Continucus Wire Wrap Screen	
48	NA	NA			CL	CLAY		Grout 6° Diam. SS Sump	
Т				<u> </u>		51.0 End of boring at 51.0 ft. bgs.			

Remarks:

Boring Terminated (ft): 51.0

AECOM 500 Enterprise Dr, Suite 1A Rocky Hill, CT 06067 Phone: (860) 263-5800 Fax: (860) 263-5777

See boring log SB-29/MW-15B for local/adjacent geologic descriptions.

NA - Not Applicable / SAA - Same as Above / bgs - below ground surface

Ground surface elevation referenced to the Brooklyn Highway Datum.

BORING #: RW20

Sheet 1 of 2 Client: National Grid Location: 300 Maspeth Ave, Brooklyn, NY Logged By: Steve Wright 686528.5 Project: Equity Former MGP Site Northing: 649194.6 Drilling Company: Boart Long Year Easting: Project #: 60137362 Ground Elevation: 13.0 Well Screen Interval (ft bgs): 37-47 Start Date: 3/15/2013 Drilling Method: Roto-Sonic Water Level (ft): NA Finish Date: 3/16/2013 **Borehole Diameter:** Total Depth (ft): Well Construction JSCS Code Soil and Rock Description Classification Scheme: USCS FILL material 2 6" Diam. Sch. 40 PVC Riser 6 NA NA 10 FILL 12 14 16 Bentonite Grout 18 FILL material, tar coated 20 NA PEAT/organic material 22 1, 11, 11, 11/ 11/ 11 711/ VIV 24 1, 11, 11,

11/ 11/ 11

11, 11,

Boring Terminated (ft): 52.0

AECOM 500 Enterprise Dr, Suite 1A Rocky Hill, CT 06067 Phone: (860) 263-5800 Fax: (860) 263-5777

NA

NA

26

See boring logs PDI-8 and SB-21 for local/adjacent geologic descriptions.

NA - Not Applicable / SAA - Same as Above / bgs - below ground surface

Ground surface elevation referenced to the Brooklyn Highway Datum

BORING #: RW20

Sheet 2 of 2

Client:	Nationa	l Grid			Location	: 300 Maspeth Ave	e, Brooklyn, NY	Logged By: St	eve Wright	
Projec	t: Equity	Former N	/IGP Site	<u> </u>	Northing		Easting: 649194.6		ny: Boart Long Year	
Projec	t#: 6013	37362			Ground I	Elevation: 13.0		Well Screen Int	erval (ft bgs): 37-47	
Start D	Date: 3/1	5/2013			Drilling N	lethod: Roto-Soni	С	Water Level (ft)	: NA	
inish	Date: 3/	16/2013			Borehole	Diameter:		Total Depth (ft):	52.0	
Depth (ft bgs)	Recovery Length (%)	PID (mdd)	Visible and Olfactory Impacts	Graphic	USCS Code		Soil and Rock Descripti Classification Scheme: U	on SCS	Well Construction Details	Well Construction
-				<u> </u>		PEAT/organic materia	l (continued)			
28				71 71 VI						
4				1, 11, 11,	PT					
30				<u> </u>		30.0				
32	NA	NA				SILTY fine SAND			Bentonite Seal →	
36	187	147				37.0 SILTY fine SAND, tar	Saturated		Filter Pack (#0 Sand)	
40 42 44 46	NA	NA			SP	SILTY TIPE SAND, TAP	Saturated		6" Diam. 0.020 SS Continu ou i Wire Wrap Screen	
48	NA	NA			CL	CLAY			Grout →	
<u> </u>				<u>/////////</u>		JZ.U	End of boring at 52.0 ft. bo	gs.	l	

AECOM 500 Enterprise Dr, Suite 1A Rocky Hill, CT 06067 Phone: (860) 263-5800 Fax: (860) 263-5777

Remarks:

Boring Terminated (ft): 52.0

See boring logs PDI-8 and SB-21 for local/adjacent geologic descriptions.

NA - Not Applicable / SAA - Same as Above / bgs - below ground surface

Ground surface elevation referenced to the Brooklyn Highway Datum.

BORING #: RW21

Sheet 1 of 2

quity Forme 60137362 3/17/2013	MGP Site	Э	Northing				
3/17/2013			Horaming	: 686522.0 Easting : 649175.7	Drilling Compar	ny: Boart Long Year	
			Ground E	Elevation: 13.2	Well Screen Inte	erval (ft bgs): 35-45	
			Drilling N	Method: Roto-Sonic	Water Level (ft)	: NA	
3/18/2013	3		Borehole	Diameter:	Total Depth (ft):	50.0	
Old (wdd)	Visible and Olfactory Impacts	Graphic	USCS Code	Soil and Rock Description Classification Scheme: USCS		Well Construction Details	Well Construction
. NA			FILL	FILL material		6" Diam. Sch. 40 PVC Riser Bentonite Grout	
. NA				FILL material, tar coated			
. NA				FILL material, tar saturated			
		77 77 77 7 77 77 77 7 77 77 77 7 77 77 7	PT	PEAT/organic material 26.0 SILTY fine SAND			
	NA NA NA	NA NA NA NA	NA N	NA NA NA PT PA P	FILL material FILL material, tar coated 150 FILL material, tar coated 170 FILL material, tar saturated 180 PEAT/organic material NA PT 150 150 150 150 150 150 150 150 150 15	FILL material FILL material, tar coasted 15.0 FILL material, tar coasted 17.0 FILL material, tar saturated 18.0 PEAT/organic material PEAT/organic material PEAT/organic material PEAT/organic material PEAT/organic material	FILL material. far coaled 75 Diam. Sch. 40 PVC Reser 160 FILL material. far coaled 77 FILL material. far coaled 78 FILL material. far coaled 79 FILL material. far coaled 70 FILL material. far coaled 71 FILL material. far coaled 72 FILL material. far coaled 73 FILL material. far coaled 74 FILL material. far coaled 75 FILL material. far coaled 76 FILL material. far coaled 77 FILL material. far coaled 78 FILL material. far coaled 79 FILL material. far coaled 70 FILL material. far coaled 71 FILL material. far coaled 71 FILL material. far coaled 71 FILL material. far coaled 72 FILL material. far coaled 73 FILL m

AECOM 500 Enterprise Dr, Suite 1A Rocky Hill, CT 06067 Phone: (860) 263-5800 Fax: (860) 263-5777

See boring logs PDI-8 and SB-21 for local/adjacent geologic descriptions.

NA - Not Applicable / SAA - Same as Above / bgs - below ground surface

Ground surface elevation referenced to the Brooklyn Highway Datum.

Client: National Grid

AECOM Boring and Well Construction Log

Location: 300 Maspeth Ave, Brooklyn, NY

BORING #: RW21

Logged By: Steve Wright

Sheet 2 of 2

	t#: 601	/ Former N	VIOI 0110		_	: 686522.0 Easting: 649175.7 Elevation: 13.2		y: Boart Long Year erval (ft bgs): 35-45	
	Date: 3/1					Method: Roto-Sonic	Water Level (ft):		
	Date: 3					e Diameter:	Total Depth (ft):		
Deptn (ft bgs)	Recovery Length (%)	OIA (mdd)	Visible and Olfactory Impacts	Graphic	USCS Code	Soil and Rock Description Classification Scheme: USCS		Well Construction Details	Well
28 _ 30						SILTY fine SAND (continued)		Bentonite Seal →	
32 - 34 - 36 - 38	NA	NA			SP			Filter Pack (#0 Sand)	
- 10 - 12 - 14 -	NA	NA				39.0 SILTY fine SAND, tar saturated		S" Diam. 0.020 SS Continueus Wire Wrap Screen	
46 _ - 48 _ -	NA	NA			CL	50.0 End of boring at 50.0 ft. bgs.		Grout 6" Diam. SS Sump	

Remarks:

Boring Terminated (ft): 50.0

AECOM 500 Enterprise Dr, Suite 1A Rocky Hill, CT 06067 Phone: (860) 263-5800 Fax: (860) 263-5777

See boring logs PDI-8 and SB-21 for local/adjacent geologic descriptions.

NA - Not Applicable / SAA - Same as Above / bgs - below ground surface

Ground surface elevation referenced to the Brooklyn Highway Datum.

BORING #: RW22

Sheet 1 of 2

Client	: Nationa	al Grid			Location	: 300 Maspeth Ave, Brooklyn, NY	Logged By: St	eve Wright	
Projec	t: Equity	y Former N	MGP Site)	Northing	: Easting:	Drilling Compar	ny: Boart Long Year	
Projec	t#: 601	37362			Ground I	Elevation:	Well Screen Into	erval (ft bgs): 31-41	
Start I	Date: 3/1	6/2013			Drilling N	Method: Roto-Sonic	Water Level (ft)	: NA	
Finish	Date: 3	/17/2013			Borehole	Diameter:	Total Depth (ft):	46.0	
Oepth (ft bgs)	Recovery Length (%)	OIA (mdd)	Visible and Olfactory Impacts	Graphic	USCS Code	Soil and Rock Description Classification Scheme: USCS		Well Construction Details	Well Construction
	NA	NA				Concrete 1.0			
2 4	NA	NA				FILL material			
	NA	NA				Concrete slab 5.0_			
6 8 10 10 12 14 16 16 18	NA	NA			FILL	FILL material		6" Diam. Sch. 40 PVC Riser Bentonite Grout	
20	NA	NA				FILL material, tar coated			
	NA	NA		77 77 77 77 77 77 77 77 77 77 77 77 77 77	PT	PEAT/organic material 25.0 SILTY fine SAND, bands of tar coating/staining			
					or				
		R	emarks:		erminated ((ft): 46.0	rintions		

AECOM 500 Enterprise Dr, Suite 1A Rocky Hill, CT 06067 Phone: (860) 263-5800 Fax: (860) 263-5777

See boring logs PDI-8 and SB-21 for local/adjacent geologic descriptions.

NA - Not Applicable / SAA - Same as Above / bgs - below ground surface

Ground surface elevation referenced to the Brooklyn Highway Datum.

BORING #: RW22

Sheet 2 of 2

Client:	Nationa	al Grid			Location	: 300 Maspeth Ave, Brooklyn, NY	Logged By: St	teve Wright		
Projec	t: Equity	Former N	MGP Site	•	Northing	: Easting:	Drilling Compar	ny: Boart Long Year		
Projec	t#: 601	37362			Ground	Elevation:	Well Screen Int	erval (ft bgs): 31-41		
Start D	Date: 3/1	6/2013			Drilling I	Method: Roto-Sonic	Water Level (ft)	ft): NA		
Finish	Date: 3	/17/2013			Borehole	Diameter:	Total Depth (ft): 46.0			
Depth (ft bgs)	Recovery Length (%)	OIA (mdd)	Visible and Olfactory Impacts	Graphic	USCS Code	Soil and Rock Description Classification Scheme: USCS		Well Construction Details	Well Construction	
						SILTY fine SAND, bands of tar coating/staining (continued)				
28								Bentonite Seal		
30 32 32 34	NA	NA			SP	35.0		Filter Pack (#0 Sand) —		
36 - 38 - 40	NA	NA				SILTY fine SAND, tar saturated		6" Diam. 0.020 SS Continue us Wire Wrap Screen		
42 44 44 46	NA	NA			CL	CLAY		Grout →		
46						46.0 End of boring at 46.0 ft. bgs.				

Remarks:

Boring Terminated (ft): 46.0

AECOM 500 Enterprise Dr, Suite 1A Rocky Hill, CT 06067 Phone: (860) 263-5800 Fax: (860) 263-5777

See boring logs PDI-8 and SB-21 for local/adjacent geologic descriptions.

NA - Not Applicable / SAA - Same as Above / bgs - below ground surface

Ground surface elevation referenced to the Brooklyn Highway Datum.

BORING #: RW23

Sheet 1 of 2

Client: National Grid Location: 300 Maspeth Ave, Brooklyn, NY Logged By: Steve Wright Project: Equity Former MGP Site Northing: Drilling Company: Boart Long Year Easting: Project #: 60137362 **Ground Elevation:** Well Screen Interval (ft bgs): 24-39 Start Date: 3/17/2013 Drilling Method: Roto-Sonic Water Level (ft): NA Finish Date: 3/17/2013 **Borehole Diameter:** Total Depth (ft): Recovery Length (%) Well Construction JSCS Code Soil and Rock Description Classification Scheme: USCS Concrete NA NA 2 FILL material NA NA Concrete slab NΑ NA 6" Diam. Sch. 40 PVC Riser 6 Bentonite Grout 10 **FILL** 12 NA NA 14 16 18 20 PEAT/organic material Bentonite Seal 11/11/ 11, 11, 11, 22 1, 11, 11, NA 11/ 11/ 1 Filter Pack (#0 Sand) 1 11 11 24 11/ 11/ 11 SILTY fine SAND, tar saturated 26 SP

Boring Terminated (ft): 44.0

AECOM 500 Enterprise Dr, Suite 1A Rocky Hill, CT 06067 Phone: (860) 263-5800 Fax: (860) 263-5777

See boring logs PDI-8 and SB-21 for local/adjacent geologic descriptions.

NA - Not Applicable / SAA - Same as Above / bgs - below ground surface

Ground surface elevation referenced to the Brooklyn Highway Datum

Client: National Grid

AECOM Boring and Well Construction Log

Location: 300 Maspeth Ave, Brooklyn, NY

BORING #: RW23

Logged By: Steve Wright

Sheet 2 of 2

Projec	t: Equity	Former N	MGP Site)	Northing	: Easting:	Drilling Compar	ny: Boart Long Yea	r
Projec	t#: 601	37362			Ground I	Elevation:	Well Screen Int	erval (ft bgs): 24-39	9
Start [Date: 3/1	7/2013			Drilling N	Method: Roto-Sonic	Water Level (ft)	: NA	
Finish	Date: 3/	/17/2013			Borehole	Diameter:	Total Depth (ft):	44.0	
Depth (ft bgs)	Recovery Length (%)	OIA (mdd)	Visible and Olfactory Impacts	Graphic	USCS Code	Soil and Rock Description Classification Scheme: USCS		Well Construction Details	Well
						SILTY fine SAND, tar saturated (continued)			
28	NA	NA				<u>30.0</u>			
						SILTY fine SAND			
32	NA	NA			SP	35.0		6" Diam. 0.020 SS Continue Wire Wrap Screen	pus -
36	NA	NA				SILTY fine SAND, tar saturated			
40						39.0 CLAY		Grout	→
42	NA	NA			CL	44.0		6" Diam. SS Sump	
44						44.0 End of boring at 44.0 ft. bgs.			

Remarks:

Boring Terminated (ft): 44.0

AECOM 500 Enterprise Dr, Suite 1A Rocky Hill, CT 06067 Phone: (860) 263-5800 Fax: (860) 263-5777

See boring logs PDI-8 and SB-21 for local/adjacent geologic descriptions.

NA - Not Applicable / SAA - Same as Above / bgs - below ground surface

Ground surface elevation referenced to the Brooklyn Highway Datum.

BORING #: RW3

Sheet 1 of 2

Client	: Nationa	al Grid			Location: 300 Maspeth Ave, Brooklyn, NY Logged By: Steve Wright					
Projec	t: Equity	/ Former N	/IGP Site	•	Northing	: 686627.3 Easting : 649138.9	y: Boart Long Year			
Projec	ct #: 601	37362			Ground E	Elevation: 11.7	Well Screen Interval (ft bgs): 31-46			
Start I	Date: 3/1	7/2013			Drilling N	Method: Roto-Sonic	Water Level (ft): NA			
Finish	Date: 3	/17/2013			Borehole	Diameter:	Total Depth (ft):	53.0		
Oepth (ft bgs)	Recovery Length (%)	OIA (mdd)	Visible and Olfactory Impacts	Graphic	USCS Code	Soil and Rock Description Classification Scheme: USCS		Well Construction Details	Well Construction	
2	NA NA	NA NA				20.5 21.0 FILL material, heavily tar coated PEAT/organic material		6" Diam. Sch. 40 PVC Riser Bentonite Grout		
				1/ 1/1/ 1/1/						
l		R	emarks:		erminated (ft): 53.0	aio deceriatione			

AECOM 500 Enterprise Dr, Suite 1A Rocky Hill, CT 06067 Phone: (860) 263-5800 Fax: (860) 263-5777

See boring logs SB-29/MW-15B and SB-9 for local/adjacent geologic descriptions

NA - Not Applicable / SAA - Same as Above / bgs - below ground surface

Ground surface elevation referenced to the Brooklyn Highway Datum.

BORING #: RW3

Sheet 2 of 2

Client: N	valiona	ii Onu			Location: 300 Maspeth Ave, Brooklyn, NY Logged By: S			Steve Wright		
Project:	Equity	Former N	IGP Site)	Northing	: 686627.3 Easting : 649138.9	any: Boart Long Year			
Project #:	: 6013	37362			Ground I	Elevation: 11.7	Well Screen Int	nterval (ft bgs): 31-46		
Start Date	e : 3/1	7/2013			Drilling N	Method: Roto-Sonic	Water Level (ft)	: NA		
Finish Da	ate: 3/	17/2013			Borehole	e Diameter:	Total Depth (ft)	: 53.0		
	Recovery Length (%)	OIA (mdd)	Visible and Olfactory Impacts	Graphic	USCS Code	Soil and Rock Description Classification Scheme: USCS	, , ,	Well Construction Details	Well Construction	
-				<u> </u>		PEAT/organic material (continued)				
28				77 77 77 77 77 77 77 77 77 77 77 77	PT			Bentonite Seal —		
30	NA	NA			SP	30.0 SILTY fine SAND		Filter Pack (#0 Sand)		
	NA NA	NA NA				32.0 32.5 SILTY fine SAND, tar saturated 33.0 SILTY fine SAND SILT/CLAY				
	NA	NA			ML-CL					
36	NA	NA				36.0 SILTY fine SAND 37.0 SILTY fine SAND, tar saturated				
40	NA	NA			SP			6" Diam. 0.020 SS Continueus Wire Wrap Screen		
42	NA	NA			SC	41.5 Interbedded SANDY CLAY unit, tar saturated 43.0				
44	NA	NA			CL	CLAY 45.0				
46	NA	NA			SP	SILTY fine SAND, tar saturated 46.0 CLAY				
48								Grout →		
50	NA	NA			CL			6" Diam. SS Sump		
52						53.0				
		D	emarks:	Boring Te	erminated	End of boring at 53.0 ft, bgs.				
						-29/MW-15B and SB-9 for local/adjacent geolo				

500 Enterprise Dr, Suite 1A Rocky Hill, CT 06067 Phone: (860) 263-5800 Fax: (860) 263-5777

Ground surface elevation referenced to the Brooklyn Highway Datum.

500 Enterprise Dr, Suite 1A

Rocky Hill, CT 06067

Phone: (860) 263-5800 Fax: (860) 263-5777

AECOM Boring and Well Construction Log

BORING #: RW4

Sheet 1 of 2

			100.00				Logged By: Steve Wright			
		y Former N	/IGP Site		Northing		Drilling Company: Boart Long Year			
	t#: 601					Elevation: 12.4		en Interval (ft bgs): 36-46		
Start	Date: 3/2	21/2013			Drilling N	Method: Roto-Sonic	Water Level (ft)	: NA		
Finish	Date: 3	/21/2013			Borehole	Diameter:	Total Depth (ft):	: 51.0		
Oepth (ft bgs)	Recovery Length (%)	OId (mdd)	Visible and Olfactory Impacts	Graphic	USCS Code	Soil and Rock Description Classification Scheme: USCS		Well Construction Details	Well	
2 4 4 6 10 12 14 16 18 18 20	NA NA	NA NA			FILL	FILL material, tar saturated		Bentonite Seal 6" Diam. Sch. 40 PVC Riser Filter Pack (#0 Sand) 6" Diam. 0.020 SS Continueus Wire Wrap Screen		
2224	NA	NA		77 77 77 77 77 77 77 77 77 77 77 77 77	PT	PEAT/organic material		6" Diam. Sch. 40 PVC Riser		
26			-			26.0 SILTY fine SAND				
		1		1	SP	SILT FIIIR SAIND				

(Continued Next Page)

Ground surface elevation referenced to the Brooklyn Highway Datum.

NA - Not Applicable / SAA - Same as Above / bgs - below ground surface

Client: National Grid

A=COM Boring and Well Construction Log

Location: 300 Maspeth Ave, Brooklyn, NY

BORING #: RW4

Logged By: Steve Wright

Sheet 2 of 2

Project: Equity Former MGP Site Project #: 60137362						Northing: 686560.2 Easting: 649162.3 Drilling Company: Boart Lo				
						Elevation: 12.4	Well Screen Interval (ft bgs): 36-46			
Start I	Date: 3/2	1/2013			Drilling N	Method: Roto-Sonic	Water Level (ft): NA			
inish	Date: 3	/21/2013			Borehole	Diameter:	Total Depth (ft):	51.0		
Depth (ft bgs)	Recovery Length (%)	OId (mdd)	Visible and Olfactory Impacts	Graphic	USCS Code	Soil and Rock Description Classification Scheme: USCS		Well Construction Details	Well	
28						SILTY fine SAND (continued)		Bentonite Seal		
32 - 34 - 36	NA	NA			SP	27.0		Filter Pack (#0 Sand)		
38	NA	NA	-		CL	37.0 CLAY 39.0				
40 - 42 - 44	NA	NA		<i>·</i>	SP	SILTY fine SAND 44.0 SILTY fine SAND, tar saturated		6" Diam. 0.020 SS Continuous Wire Wrap Screen		
- 46	NA	NA		,,,,,,,,		46.0				
- 48 - 50	NA	NA			CL	CLAY 51.0 End of boring at 51.0 ft. bgs.		Grout 6" Diam. SS Sump		

Remarks:

Boring Terminated (ft): 51.0

AECOM 500 Enterprise Dr, Suite 1A Rocky Hill, CT 06067 Phone: (860) 263-5800 Fax: (860) 263-5777

See boring log SB-5 for local/adjacent geologic descriptions.

NA - Not Applicable / SAA - Same as Above / bgs - below ground surface

Ground surface elevation referenced to the Brooklyn Highway Datum.

BORING #: RW5

Sheet 1 of 2

Client: National Grid Location: 300 Maspeth Ave, Brooklyn, NY Logged By: Steve Wright 686541.0 Project: Equity Former MGP Site Northing: 649169.1 Drilling Company: Boart Long Year Easting: Project #: 60137362 Ground Elevation: 12.6 Well Screen Interval (ft bgs): 32-42 Start Date: 3/21/2013 Drilling Method: Roto-Sonic Water Level (ft): NA Finish Date: 3/21/2013 **Borehole Diameter:** Total Depth (ft): Well Construction JSCS Code Soil and Rock Description Classification Scheme: USCS FILL material 2 6" Diam. Sch. 40 PVC Riser 6 NA NA 10 FILL 12 Bentonite Grout 14 16 18 FILL material, tar coated, coal from 19 -21 ft bgs NA NA 20 PEAT/organic material 22 1, 11, 11, 11/ 11/ 11 711/ VIV 24 1, 11, 11, NA NA 11/ 11/ 11 26 11, 11,

Remarks:

Boring Terminated (ft): 51.0

AECOM 500 Enterprise Dr, Suite 1A Rocky Hill, CT 06067 Phone: (860) 263-5800 Fax: (860) 263-5777

See boring logs SB-5, SB-21, and PDI-8 for local/adjacent geologic descriptions

NA - Not Applicable / SAA - Same as Above / bgs - below ground surface

Ground surface elevation referenced to the Brooklyn Highway Datum

Project: Equity Former MGP Site

Client: National Grid

AECOM Boring and Well Construction Log

649169.1

Easting:

BORING #: RW5

Sheet 2 of 2 Logged By: Steve Wright Drilling Company: Boart Long Year

Project #: 60137362 Ground Elevation: 12.6 Well Screen Interval (ft bgs): 32-42 Drilling Method: Roto-Sonic **Start Date:** 3/21/2013 Water Level (ft): NA

Location: 300 Maspeth Ave, Brooklyn, NY

Finish Date: 3/21/2013 **Borehole Diameter:** Total Depth (ft): 51.0

686541.0

Northing:

Finish	Date: 3	12112013			porenoie	e Diameter:	otai Deptii (it):	51.0	
Depth (ft bgs)	Recovery Length (%)	PID (mdd)	Visible and Olfactory Impacts	Graphic	USCS Code	Soil and Rock Description Classification Scheme: USCS		Well Construction Details	Well
				<u> </u>		PEAT/organic material (continued)			
28			1		PT	29.0		Bentonite Seal	
] [SILTY fine SAND			
30	NA	NA						Filter Pack (#0 Sand)	
32						32.0		,	
34	NA	NA			SP	SILTY fine SAND, streaks of tar staining and tar coating 35.0			
36	NA	NA				SILTY fine SAND		6" Diam	
38	NA	NA			CL	CLAY 38.5		6" Diam. 0.020 SS Continuous Wire Wrap Screen	
40 - 42	NA	NA			SP	SILTY fine SAND, pockets of tar coating/saturation 42.0			
44 46	NA	NA			CL	CLAY		Grout —	
48 50						51.0 End of boring at 51.0 ft, bor			

End of boring at 51.0 ft. bgs.

Boring Terminated (ft): 51.0 Remarks:

AECOM 500 Enterprise Dr, Suite 1A Rocky Hill, CT 06067 Phone: (860) 263-5800 Fax: (860) 263-5777

See boring logs SB-5, SB-21, and PDI-8 for local/adjacent geologic descriptions.

NA - Not Applicable / SAA - Same as Above / bgs - below ground surface

Ground surface elevation referenced to the Brooklyn Highway Datum.

BORING #: RW6

Sheet 1 of 2

Client	: Nationa	al Grid			Location: 300 Maspeth Ave, Brooklyn, NY Logged By: Steve Wright					
Projec	t: Equity	/ Former N	/IGP Site	;	Northing: 686749.6 Easting: 649175.5 Drilling Com			any: Boart Long Year		
Projec	t#: 601	37362			Ground Elevation: 10.3 Well S			/ell Screen Interval (ft bgs): 32-42		
Start I	Date: 3/2	0/2013			Drilling N	Method: Roto-Sonic	Water Level (ft)	Water Level (ft): NA		
Finish	Date: 3	/20/2013			Borehole	Diameter:	Total Depth (ft):	47.0		
o Depth (ft bgs)	Recovery Length (%)	Old (mdd)	Visible and Olfactory Impacts	Graphic	USCS Code	Soil and Rock Description Classification Scheme: USCS		Well Construction Details	Well Construction	
2	NA	NA			FILL	T8.0		6" Diam. Sch. 40 PVC Riser Bentonite Seal Filter Pack (#0 Sand)		
	NA	NA				FILL material, tar saturated 19.0				
20	NA	NA			PT	PEAT/organic material		6" Diam. 0.020 SS Continueus Wire Wrap Screen		
24	NA	NA				SILTY fine SAND, tar coated 25.0 SILTY fine SAND, tar coated		6" Diam. Sch. 40 PVC Riser		
			o mo = ::-!	Dominio T	armain at a 1 1	4). 47.0				
 		R	emarks:		erminated (
	OM Enterprise kv Hill, CT	Dr, Suite	1A			1 for local/adjacent geologic descriptions. / SAA - Same as Above / bgs - below ground	surface			

Rocky Hill, CT 06067 Phone: (860) 263-5800 Fax: (860) 263-5777

Ground surface elevation referenced to the Brooklyn Highway Datum.

BORING #: RW6

Sheet 2 of 2

Client: National Grid Location: 300 Maspeth Ave, Brooklyn, NY Logged By: Steve Wright 686749.6 Project: Equity Former MGP Site Northing: 649175.5 Drilling Company: Boart Long Year Easting: Project #: 60137362 **Ground Elevation: 10.3** Well Screen Interval (ft bgs): 32-42 Start Date: 3/20/2013 Drilling Method: Roto-Sonic Water Level (ft): NA Finish Date: 3/20/2013 **Borehole Diameter:** Total Depth (ft): Recovery Length (%) Well Construction JSCS Code Depth (ft bgs) Soil and Rock Description Classification Scheme: USCS Well SILTY fine SAND, tar coated (continued) Bentonite Seal NA NA 28 30 SILTY fine SAND NΑ NA Filter Pack (#0 Sand) 32 SILTY fine SAND, tar saturated 34 SP 36 6" Diam. 0.020 SS Continuou NA NA Wire Wrap Screen 38 40 42 CLAY Grout NA NA CL 6" Diam. SS Sump 46

End of boring at 47.0 ft. bgs.

Remarks:

Boring Terminated (ft): 47.0

AECOM 500 Enterprise Dr, Suite 1A Rocky Hill, CT 06067 Phone: (860) 263-5800 Fax: (860) 263-5777

See boring log PDI-1 for local/adjacent geologic descriptions.

NA - Not Applicable / SAA - Same as Above / bgs - below ground surface

Ground surface elevation referenced to the Brooklyn Highway Datum.

AECOM Boring and Well Construction Log

BORING #: RW7

Sheet 1 of 2

Project N	Client	Client: National Grid					: 300 Maspeth Ave, Brooklyn, NY	Logged By: Steve Wright		
Drilling Method: Roto-Sonic Water Level (ft): NA	Projec	t: Equity	Former N	/IGP Site	•	Northing	: 686760.4 Easting : 649200.0	Drilling Company: Boart Long Year		
Prince Date: 3/24/2013 September: Total Depth (R): 50.0	Projec	t#: 601	37362 Ground Elevation: 10.3 Well Screen Interval (ft bgs): 33-43							
Soil and Rock Description Classification Scheme: USCS Population Population	Start I	Date: 3/2	3/2013			Drilling N	Method: Roto-Sonic	Water Level (ft)	: NA	
FILL material FILL material 6' Diam. Sch. 40 PVC Rest 6' Diam. Sch. 40 PVC Rest FILL 8 Bentonite Grout PEATrongenic material 22 NA NA NA PFEATrongenic material 24 Sch. Sch. Vi for saturated layer at 28 ft tigs	Finish	Date: 3	/24/2013			Borehole	Diameter:	Total Depth (ft):	50.0	
## PEATrongenic material Page Peatrongenic material Peatrongenic material		Recovery Length (%)	PID (mdd)	Visible and Olfactory Impacts	Graphic	USCS Code	Classification Scheme: USCS		Well Construction Details	Well Construction
Pomarke: Roring Terminated (ft): 50.0	2 4 4 6 8 10 11 12 14 16 16 18 20 22 24 24					PT	20.0 PEAT/organic material			
remarks. Duning reminiated (it). 30.0			R	emarks:	Boring Te	erminated ((ft): 50.0			

AECOM 500 Enterprise Dr, Suite 1A Rocky Hill, CT 06067 Phone: (860) 263-5800 Fax: (860) 263-5777

See boring logs PDI-1 and PDI-2 for local/adjacent geologic descriptions.

NA - Not Applicable / SAA - Same as Above / bgs - below ground surface

Ground surface elevation referenced to the Brooklyn Highway Datum.

Project: Equity Former MGP Site

Client: National Grid

AECOM Boring and Well Construction Log

Easting: 649200.0

Location: 300 Maspeth Ave, Brooklyn, NY

686760.4

Northing:

BORING #: RW7

Drilling Company: Boart Long Year

Logged By: Steve Wright

Sheet 2 of 2

Proied	t#: 601	7 Former N 37362				: 686760.4 Easting : 649200.0 Elevation : 10.3	Well Screen Interval (ft bgs): 33-43			
	Date: 3/2					Method: Roto-Sonic	Water Level (ft): NA			
	Date: 3				_	Diameter:	Total Depth (ft): 50.0			
Depth (ft bgs)	Recovery Length (%) PID (ppm) Visible and Olfactory Impacts Graphic				Soil and Rock Description SC Classification Scheme: USCS			Well Construction Details	Well Construction	
28	NA	NA				SILTY fine SAND, 1" tar saturated layer at 28 ft bgs (contin	aued)			
30						30.0 SILTY fine SAND		Bentonite Seal		
32	NA	NA				33.0		Filter Pack (#0 Sand)	·	
34 - 36 - 38 - 40 - 42 - 42	NA	NA			SP	SILTY fine SAND, tar saturated		5" Diam. 0.020 SS Continu cus Wire Wrap Screen		
44	NA	NA			CL	CLAY		Grout -		
50						50.0 End of boring at 50.0 ft. bgs.			<u> </u>	

Remarks:

Boring Terminated (ft): 50.0

AECOM 500 Enterprise Dr, Suite 1A Rocky Hill, CT 06067 Phone: (860) 263-5800 Fax: (860) 263-5777

See boring logs PDI-1 and PDI-2 for local/adjacent geologic descriptions.

NA - Not Applicable / SAA - Same as Above / bgs - below ground surface

Ground surface elevation referenced to the Brooklyn Highway Datum.

AECOM Boring and Well Construction Log

BORING #: RW8

Sheet 1 of 2

Client	lient: National Grid				Location: 300 Maspeth Ave, Brooklyn, NY Logged By:			Steve Wright	
Projec	t: Equity	/ Former N	∕IGP Site	•	Northing	: 686765.5 Easting : 649218.0	Drilling Compa	ny: Boart Long Year	
-	t#: 601				Ground E	Elevation: 10.3		erval (ft bgs): 33-43	
	Date: 3/2					Method: Roto-Sonic	Water Level (ft)		
Finish	Date: 3	/24/2013			Borehole	Diameter:	Total Depth (ft):	: 48.0	
Oepth (ft bgs)	Recovery Length (%)	OIA (mdd)	Visible and Olfactory Impacts	Graphic	USCS Code	Soil and Rock Description Classification Scheme: USCS		Well Construction Details	Well Construction
2 4 6 8 10 12 14 14 16 16 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18	NA	NA			FILL	FILL material		6" Diam. Sch. 40 PVC Riser Bentonite Grout	
16	NA	NA NA	omarko	1	PT SP	PEAT/organic material, 2" tar saturated layer 18 ft bgs 25.0 SILTY fine SAND			
 		R	emarks:		erminated ((ft): 48.0			

AECOM 500 Enterprise Dr, Suite 1A Rocky Hill, CT 06067 Phone: (860) 263-5800 Fax: (860) 263-5777

See boring log PDI-2 for local/adjacent geologic descriptions.

NA - Not Applicable / SAA - Same as Above / bgs - below ground surface

Ground surface elevation referenced to the Brooklyn Highway Datum.

Client: National Grid

AECOM Boring and Well Construction Log

Location: 300 Maspeth Ave, Brooklyn, NY

BORING #: RW8

Logged By: Steve Wright

Sheet 2 of 2

Project:Equity Former MGP SiteNorthing:686765.5Easting:				Easting: 64	49218.0	Drilling Compa	ny: Boart Long Yea	r			
37362			Ground I	Elevation: 10.3			Well Screen Interval (ft bgs): 33-43				
23/2013			Drilling N	Wethod: Roto-So	onic		Water Level (ft)	Water Level (ft): NA			
3/24/2013			Borehole	e Diameter:			Total Depth (ft):	: 48.0			
GId (mdd)	Visible and Olfactory Impacts	Graphic	USCS Code		Classification	Well Construction Details	Well				
				SILTY fine SAND	(continued)						
NA			00	35.0				Bentonite Seal -			
NA			SP		, bands of tar saturat	ion		6" Diam. 0.020 SS Continue Wire Wrap Screen	US -		
NA			CL	43.0 CLAY				Grout - Grout -			
	37362 23/2013 3/24/2013 Qia (fudd)	37362 23/2013 3/24/2013 3/24/2013 NA NA NA NA	37362 23/2013 3/24/2013 Oliactory Impacts NA NA NA NA	37362 23/2013 Drilling I 3/24/2013 Borehold A Company of the state of	Ground Elevation: 10.3 Drilling Method: Roto-S Borehole Diameter: Quad Proceeding Proceeding Proceeding Procedure Procedure	Ground Elevation: 10.3 23/2013 Drilling Method: Roto-Sonic Borehole Diameter: Soil and Ro Classification SILTY fine SAND (continued) NA NA CL 48.0	Ground Elevation: 10.3 Drilling Method: Roto-Sonic Borehole Diameter: Soil and Rock Description Classification Scheme: USCS SILTY fine SAND, bands of tar saturation NA A3.0 CLAY CL	Ground Elevation: 10.3 Well Screen Int 23/2013 Drilling Method: Roto-Sonic Water Level (ft) Borehole Diameter: Total Depth (ft) O O O O O O O O O O O O O O O O O O O	37362 Ground Elevation: 10.3 Well Screen Interval (ft bgs): 33-42		

Remarks:

Boring Terminated (ft): 48.0

AECOM 500 Enterprise Dr, Suite 1A Rocky Hill, CT 06067 Phone: (860) 263-5800 Fax: (860) 263-5777

See boring log PDI-2 for local/adjacent geologic descriptions.

NA - Not Applicable / SAA - Same as Above / bgs - below ground surface

Ground surface elevation referenced to the Brooklyn Highway Datum.

AECOM Boring and Well Construction Log

BORING #: RW9

Sheet 1 of 2

Client	: Nationa	al Grid			Location	: 300 Maspeth Ave, Brooklyn, NY	Logged By: St	teve Wright		
Projec	ct: Equity	/ Former N	/IGP Site		Northing	: 686743.6 Easting : 649227.1	Drilling Compa	Drilling Company: Boart Long Year		
Projec	ct #: 601	37362			Ground E	Elevation: 10.2	Well Screen Interval (ft bgs): 35-45			
Start	Date: 3/1	8/2013			Drilling N	Method: Roto-Sonic	Water Level (ft): NA			
Finish	Date: 3	/18/2013			Borehole	Diameter:	Total Depth (ft):	50.0		
Oepth (ft bgs)	Recovery Length (%)	Old (mdd)	Visible and Olfactory Impacts	Graphic	USCS Code	Soil and Rock Description Classification Scheme: USCS		Well Construction Details	Well Construction	
2	NA	NA			그	FILL material		6" Diam. Sch. 40 PVC Riser Bentonite Grout		
	NA	NA				FILL material, tar stained				
18	NA	NA				17.0 FILL material, tar saturated 18.5 to 19 ft bgs				
20	NA	NA		\(\frac{1}{2} \) \(\frac{1} \) \(\frac{1}{2} \) \(\frac{1}{2} \) \(\frac{1}{2} \) \(\frac{1} \) \(\frac{1} \) \(\frac{1}{2} \) \(\frac{1}{2} \) \(PT SP	PEAT/organic material 25.0 SILTY fine SAND				

AECOM 500 Enterprise Dr, Suite 1A Rocky Hill, CT 06067 Phone: (860) 263-5800

Fax: (860) 263-5777

See boring logs PDI-3 and SB-3B for local/adjacent geologic descriptions.

NA - Not Applicable / SAA - Same as Above / bgs - below ground surface

Ground surface elevation referenced to the Brooklyn Highway Datum.

Project: Equity Former MGP Site

Client: National Grid

AECOM Boring and Well Construction Log

Easting: 649227.1

Location: 300 Maspeth Ave, Brooklyn, NY

686743.6

Northing:

BORING #: RW9

Logged By: Steve Wright

Drilling Company: Boart Long Year

Sheet 2 of 2

Start	Date: 3/1	8/2013			Drilling N	Method: Roto-Sonic	Water Level (ft): NA				
	Date: 3/					Diameter:	Total Depth (ft): 50.0				
Depth (ft bgs) Recovery Length (%) PID (ppm) Visible and Olfactory Impacts				Graphic	USCS Code	Soil and Rock Description Classification Scheme: USCS		Well Construction Details	Well		
28	NA	NA				SILTY fine SAND (continued)					
32					SP			Bentonite Seal			
36	NA	NA				35.0 SILTY fine SAND, tar saturated 37.0					
38 40 42 44	NA	NA			SM	Interbedded SAND and silt, tar saturated		6" Diam. 0.020 SS Continueus Wire Wrap Screen			
- 46 _ 48 _ 50	NA	NA			CL	CLAY		Grout →			

Remarks:

Boring Terminated (ft): 50.0

AECOM 500 Enterprise Dr, Suite 1A Rocky Hill, CT 06067 Phone: (860) 263-5800 Fax: (860) 263-5777

See boring logs PDI-3 and SB-3B for local/adjacent geologic descriptions.

NA - Not Applicable / SAA - Same as Above / bgs - below ground surface

Ground surface elevation referenced to the Brooklyn Highway Datum.

A=COM Boring and Well Construction Log

BORING #: RW17

Sheet 1 of 2

Fill Fill material, some brick fragments and glass. Fill Sandy Silt, grey to black, fine grained, some coarse to fine gravel. Bentonte Grout ML 12 NA NA NA NA NA NA NA NA NA N	Client: National Grid		: 300 Maspeth Ave, Brooklyn, NY	Logged By: Kristen Durocher		
Start Date: 4/8/2013 Drilling Method: Roto-Sonic Water Level (ft): NA	Project: Equity Forme	Former MGP Site Northing	: 686548.9 Easting : 649253.9	Easting: 649253.9 Drilling Company: Boart Long Year		
Principle Prin	Project #: 60137362	7362 Ground I	Elevation: 12.4	Well Screen Interval (ft bgs): 28-43		
Soil and Rock Description Classification Scheme: USCS Fill material, some brick flagments and glass. Fill material, some coarse to fine gravel. Bentonte Grout MIL 12 NA N			Method: Roto-Sonic	Water Level (ft):	: NA	
Fill material, some brick fregments and glass. Fill material, some brick fregments and glass. Fill material, some brick fregments and glass. 6 Diam. Sch. 40 PVC Riser Fill material, some brick fregments and glass. 6 Diam. Sch. 40 PVC Riser Fill material, some brick fregments and glass. 6 Diam. Sch. 40 PVC Riser Fill material, some brick fregments and glass. 6 Diam. Sch. 40 PVC Riser Fill material, some brick fregments and glass. 6 Diam. Sch. 40 PVC Riser Fill material, some brick fregments and glass. 6 Diam. Sch. 40 PVC Riser Fill material, some brick fregments and glass.	Finish Date: 4/10/2013		e Diameter:	Total Depth (ft):	48.0	
Fill Fill Sandy Silt, grey to black, fine grained, some coarse to fine gravel. Bentonite Grout ML 150 Fibrous and Friable Peat V V V V V V V V V V V V V V V V V V V	Cepth (ft bgs) Recovery Length (%) PID (ppm)	PID (ppm) Visible and Olfactory Impacts Graphic USCS Code	Soil and Rock Description Classification Scheme: USCS		Well Construction Details	Well Construction
Sandy Silt, grey to black, fine grained, some coarse to fine gravel. Bentonite Grout ML 14 15.0 Fibrous and Friable Peat 16 18 20 NA NA NA NA NA PT	4 6 - 8	Fill	Fill material, some brick fragments and glass.		6" Diam. Sch. 40 PVC Riser	
16 18 20 NA NA NA NA Fibrous and Friable Peat 15 Fibrous and Friable Peat 15 16 17 18 18 18 18 18 18 18 19 19 19	NA NA	NA ML	Sandy Silt, grey to black, fine grained, some coarse to fine	gravel.	Bentonite Grout	
22	18 20 NA NA 22	NA				
	26	<u>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</u>	26.0		Bentonite Seal	
Remarks: Boring Terminated (ft): 48.0		Remarks: Boring Terminated	(ft): 48.0			

AECOM

500 Enterprise Dr, Suite 1A Rocky Hill, CT 06067 Phone: (860) 263-5800 Fax: (860) 263-5777

See boring log PDI-6 for local/adjacent geologic descriptions.

NA - Not Applicable / SAA - Same as Above / bgs - below ground surface

Ground surface elevation referenced to the Brooklyn Highway Datum.

Client: National Grid

AECOM Boring and Well Construction Log

Location: 300 Maspeth Ave, Brooklyn, NY

BORING #: RW17

Logged By: Kristen Durocher

Sheet 2 of 2

Proje	t#: 601	37362			Ground I	Elevation: 12.4	Well Screen Inte	erval (ft bgs): 28-43	
Start	Date: 4/8	/2013			Drilling N	Method: Roto-Sonic	Water Level (ft):	NA	
inisł	Date: 4	/10/2013			Borehole	Diameter:	Total Depth (ft):	48.0	
Recovery Length (%) (PID (ppm) Visible and Olfactory Impacts					USCS Code	Soil and Rock Description Classification Scheme: USCS		Well Construction Details	Well
						SAND, tar saturated/Sand tar coated			
32 - 34 - 36 - 38 - 40	NA	NA			SP		¥.	Filter Pack (#0 Sand)	
- 42 _	NA	NA				43.0			
44	NA	NA				CLAY		Grout	
16 _					CL			6" Diam. SS Sump	
48				<u> </u>		48.0 End of boring at 48.0 ft. bgs.	ļ		

Remarks:

Boring Terminated (ft): 48.0

AECOM 500 Enterprise Dr, Suite 1A Rocky Hill, CT 06067 Phone: (860) 263-5800 Fax: (860) 263-5777

See boring log PDI-6 for local/adjacent geologic descriptions.

NA - Not Applicable / SAA - Same as Above / bgs - below ground surface

Ground surface elevation referenced to the Brooklyn Highway Datum.

AECOM Environment

Appendix B

Air Monitoring Data

Table B-1
Community Air Monitoring Plan Data

		Upwind PID	Upwind Dust	Work Area PID	Downwind PID	Downwind Dust	Corrected PID	Corrected Dust
Date	Time	(ppm)	(mg/m³)	(ppm)	(ppm)	(mg/m³)	(ppm)	(mg/m³)
3/10/2013	8:00	0.1	0.078	0	0.1	0.162	0.1	0.084
3/10/2013	8:20	0.1	0.091	0	0.1	0.148	0.1	0.057
3/10/2013	8:40	0	0.157	0	0.3	0.169	0.3	0.012
3/10/2013	8:55	0.1	0.096	0	0.3	0.16	0.2	0.064
3/10/2013	9:10	0	0.116	0	0.3	0.136	0.3	0.02
3/10/2013	9:30	0.1	0.075	0	0.3	0.056	0.2	-0.019
3/10/2013	9:45	0.1	0.072	0	0.3	0.129	0.2	0.057
3/10/2013	10:00	0	0.077	0	0.1	0.079	0.1	0.002
3/10/2013	10:15	0	0.081	0	0	0.089	0	0.008
3/10/2013	10:45	0	0.098	0	0	0.106	0	0.008
3/10/2013	11:10	0	0.132	0	0	0.109	0	0.109
3/10/2013	11:15	0	0.141	0	0	0.81	0	0.669
3/10/2013	11:32	0	0.119	0	0	0.85	0	0.731
3/12/2013	7:15	0	n/a	0	0	0.017	0	0.017
3/12/2013	7:30	0	n/a	0	0	0.027	0	0.027
3/12/2013 3/12/2013	7:48 8:10	0 0	n/a n/a	0 0	0 0	0.021 0.024	0 0	0.021 0.024
3/12/2013	8:40	0	n/a	0	0	0.024	0	0.024
3/12/2013	9:00	0	n/a	0	0.2	0.025	0.2	0.025
3/12/2013	9:15	0	n/a	0	0.2	0.024	0.2	0.024
3/12/2013	9:35	0	n/a	0	0.2	0.032	0.2	0.032
3/12/2013	10:00	0.2	n/a	0	0	0.029	0.2	0.029
3/12/2013	10:15	0.2	n/a	Ő	Ö	0.03	0.2	0.03
3/12/2013	10:34	0.3	n/a	0	0	0.027	0.3	0.027
3/12/2013	10:57	0.2	n/a	0	0	0.014	0.2	0.014
3/12/2013	11:11	0.1	n/a	n/a	n/a	n/a	0.1	
3/13/2013	7:20	0	0.083	0	0	0.088	0	0.005
3/13/2013	7:40	0	0.068	0	0	0.107	0	0.039
3/13/2013	8:05	0	0.061	0	0	0.074	0	0.013
3/13/2013	8:25	0	0.066	0	0	0.089	0	0.023
3/13/2013	8:45	0	0.061	0	0	0.112	0	0.051
3/13/2013	9:05	0	0.054	0	0	0.178	0	0.124
3/13/2013	9:25	0	0.062	0	0	0.076	0	0.014
3/13/2013	9:50	0	0.068	0	0	0.073	0	0.005
3/13/2013	10:10	0	0.074	0	0.3	0.069	0.3	0.069
3/13/2013	10:35	0	0.05	0.3	0.2	0.092	0.2	0.042
3/13/2013	11:00	0	0.052	0.4	0	0.108	0	0.056
3/13/2013	11:25	0	0.059	0.4	0.1	0.087	0.1	0.028
3/13/2013 3/13/2013	11:42 12:00	0 0	0.104 0.078	0.3 0.3	0.3 0.3	0.061 0.104	0.3 0.3	0.061 0.026
3/13/2013	12:30	0	0.067	0.3	0.5	0.104	0.5	0.026
3/13/2013	9:10	0.2	0.029	0.4	0.5	0.024	0.2	0.024
3/14/2013	9:30	0.2	0.023	0	0	0.024	0.2	0.004
3/14/2013	9:50	0.2	0.056	0	0	0.029	0.2	0.029
3/14/2013	10:10	0.2	0.051	0	0	0.068	0.2	0.017
3/14/2013	10:34	0.2	0.059	0	0	0.072	0.2	0.013
3/14/2013	11:00	0.2	0.082	0	0	0.099	0.2	0.017
3/14/2013	11:20	0.3	0.033	0	0	0.061	0.3	0.028
3/14/2013	11:42	0.2	0.047	0	0	0.053	0.2	0.006
3/14/2013	12:05	0.2	0.036	0	0	0.05	0.2	0.014
3/14/2013	12:25	0.4	0.031	0	0	0.087	0.4	0.056
3/14/2013	12:40	0.3	0.033	0	0	0.057	0.3	0.024
3/14/2013	13:00	0.3	0.049	0	0	0.066	0.3	0.017
3/14/2013	13:20	0.2	0.043	0	0	0.064	0.2	0.021
3/23/2013	8:10	0.2	0.065	0	0	0.06	0.2	0.06
3/23/2013	8:25	0.2	0.054	0 0	0	0.07	0.2	0.016
3/23/2013 3/23/2013	8:40 9:00	0.3 0.3	0.075 0.074	0	0 0	0.052 0.058	0.3 0.3	0.052 0.058
3/23/2013	9:18	0.3	0.074	0	0	0.038	0.3	0.038
3/23/2013	9:34	0.2	0.031	0	0	0.153	0.2	0.040
3/23/2013	9:47	0.2	0.018	0	0	0.155	0.2	0.032
3/23/2013	10:05	0.2	0.002	0	0	0.133	0.3	0.137
3/23/2013	10:20	0.3	0.131	0	0	0.155	0.3	0.024
3/23/2013	10:37	0.4	0.03	0	0	0.123	0.4	0.093
3/23/2013	10:55	0.3	0.143	0	0	0.12	0.3	0.12
3/23/2013	11:10	0.3	0.094	0	0	0.12	0.3	0.026
3/23/2013	11:30	0.3	0.055	0	0	0.096	0.3	0.041
3/23/2013	11:46	0.4	0.043	0	0	0.135	0.4	0.092
3/23/2013	12:00	0.3	0.02	0	0	0.108	0.3	0.088

Table B-1
Community Air Monitoring Plan Data

		Upwind PID	Upwind Dust	Work Area PID	Downwind PID	Downwind Dust	Corrected BID	Corrected Dust
Date	Time	(ppm)	(mg/m ³)	Work Area PID (ppm)	(ppm)	(mg/m³)	(ppm)	(mg/m³)
3/23/2013	12:15	0.3	0.022	(pp iii) 0	(pp iii) 0	0.111	0.3	0.089
3/23/2013	12:30	0.3	0.028	0	0	0.117	0.3	0.129
3/23/2013	12:45	0.3	0.036	Ö	Ö	0.092	0.3	0.056
3/23/2013	13:00	0.4	0.339	0	0	0.171	0.4	0.171
3/23/2013	13:17	0.4	0.01	0	0	0.32	0.4	0.31
3/23/2013	13:32	0.3	0.16	0	0	0.087	0.3	0.087
3/23/2013	13:48	0.3	0.052	0	0	0.158	0.3	0.106
3/23/2013	14:00	0.3	0.147	0	0	0.12	0.3	0.12
3/23/2013	14:15	0.3	0.017	0	0	0.118	0.3	0.101
3/23/2013	14:30	0.3	0	0	0	0.15	0.3	0.15
3/23/2013	14:50	0.3	0.002	0	0	0.116	0.3	0.114
3/28/2013	7:30	0	0.161	0	0.2	0.083	0.2	0.083
3/28/2013	7:45	0	0.158	0	0.3	0.078	0.3	0.078
3/28/2013	8:00	0	0.144	0	0.3	0.086	0.3	0.086
3/28/2013	8:15	0	0.103	0	0.3	0.81	0.3	0.707
3/28/2013	8:30	0	0.115	0	0	0.076	0	0.076
3/28/2013	8:47	0	0.107	0	0.1	0.053	0.1	0.053
3/28/2013	9:05	0	0.99	0	0	0.089	0	0.089
3/28/2013	9:30	0	0.83	0	0.1	0.093	0.1	0.093
3/28/2013	9:53	0	0.113	0	0	0.117	0	0.004
3/28/2013	10:10	0	0.107	0	0	0.053	0	0.053
3/28/2013	10:15	0.1	0.121	0	0	0.062	0.1	0.062
3/28/2013	10:37	0	0.139	0	0	0.079	0	0.079
3/28/2013	11:00	0.1	0.143	0	0.1	0.63	0	0.487
3/29/2013	10:10	0.3	0.136	0	0	0.008	0.3	0.008
3/29/2013	10:25	0.2	0.131	0	0	0.023	0.2	0.023
3/29/2013	10:40	0.2	0.144	0	0	0.127	0.2	0.127
3/29/2013	10:58	0	0.108	0	0	0.016	0	0.016
3/29/2013	11:15	0.3	0.099	0	0	0.009	0.3	0.009
3/29/2013	11:30	0.2	0.089	0	0	0.014	0.2	0.014
3/29/2013	11:47	0.2	0.122	0	0	0.027	0.2	0.027
3/29/2013	12:05	0.2	0.104	0	0	0.031	0.2	0.031
3/30/2013	6:50	0	0.101	0	0	0.089	0	0.089
3/30/2013	7:05	0	0.153	0	0	0.096	0	0.096
3/30/2013	7:22	0	0.044	0	0.1	0.117	0.1	0.073
3/30/2013	7:37	0.1	0.116	0	0	0.033	0.1	0.033
3/30/2013	7:52	0	0.121	0	0	0.052	0	0.052
3/30/2013	8:08	0.1	0.108	0	0	0.162	0.1	0.054
3/30/2013	8:25	0.2	0.113	0	0	0.073	0.2	0.073
3/30/2013	8:55	0.3	0.134	0	0	0.094	0.3	0.094
3/30/2013	9:20 9:50	0.3 0.3	0.159 0.0171	0 0	0 0	0.111 0.073	0.3 0.3	0.111
3/30/2013 3/30/2013	9.50 10:17	0.3	0.062	0	0	0.073	0.3	0.0559 0.03
3/30/2013	10:17	0.4	0.054	0	0	0.092	0.4	0.03
3/30/2013	11:00	0.4	0.067	0	0	0.127	0.3	0.067
3/30/2013	11:20	0.4	0.073	0	0	0.125	0.4	0.052
3/30/2013	11:43	0.4	0.061	0	0	0.116	0.4	0.055
3/30/2013	12:00	0.3	0.068	0	0	0.132	0.3	0.064
4/1/2013	7:05	0	n/a	0	0	0.034	0	0.034
4/1/2013	7:25	Ö	n/a	0	0	0.045	0	0.045
4/1/2013	7:45	0.1	n/a	0	0	0.053	0.1	0.053
4/1/2013	8:05	0.2	0.137	0	0	0.038	0.2	0.038
4/1/2013	8:28	0.2	0.141	0	0	0.136	0.2	0.136
4/1/2013	8:46	0.3	0.142	0	0	0.139	0.3	0.139
4/1/2013	9:10	0.3	0.145	0	0	0.127	0.3	0.127
4/1/2013	9:30	0.3	0.108	0	0	0.11	0.3	0.002
4/1/2013	9:48	0.4	0.197	0	0	0.244	0.4	0.047
4/1/2013	10:08	0.4	0.151	0	0	0.278	0.4	0.127
4/1/2013	10:20	0.2	0.088	0	0	0.157	0.2	0.069
4/1/2013	11:00	0.3	0.091	0	0	0.141	0.3	0.05
4/1/2013	11:23	0.2	0.077	0	0	0.627	0.2	0.55
4/1/2013	11:45	0.2	0.081	0	0	0.148	0.2	0.067
4/1/2013	12:02	0.1	0.07	0	0	0.203	0.1	0.133
4/2/2013	7:45	0	0.061	0	0	0.08	0	0.019
4/2/2013	8:02	0	0.059	0	0	0.078	0	0.019
4/2/2013	8:20	0	0.065	0	0	0.082	0	0.017
4/2/2013	8:38	0	0.07	0	0	0.09	0	0.02
4/2/2013	8:56	0	0.098	0	0	0.133	0	0.035
4/2/2013	9:12	0.1	0.0186	0	0	0.169	0.1	0.1504

Table B-1
Community Air Monitoring Plan Data

		Upwind PID	Upwind Dust	Work Area PID	Downwind PID	Downwind Dust	Corrected PID	Corrected Dust
Date	Time	(ppm)	(mg/m³)	(ppm)	(ppm)	(mg/m³)	(ppm)	(mg/m³)
4/2/2013	9:30	(pp)	0.193	0	0.2	0.213	0.2	0.02
4/2/2013	10:00	0	0.25	0	0.2	0.251	0.2	0.001
4/2/2013	10:16	0.3	0.083	0	0	0.122	0.3	0.039
4/2/2013	10:34	0.5	0.211	0	0	0.118	0.5	0.118
4/2/2013	11:00	0.4	0.233	0	0	0.123	0.4	0.123
4/2/2013	11:22	0.4	0.204	0	0	0.11	0.4	0.11
4/2/2013	11:40	0.3	0.237	0	0	0.116	0.3	0.116
4/3/2013	6:50	0	0.082	0	0	0.087	0	0.005
4/3/2013	7:10	0	0.075	0	0	0.089	0	0.014
4/3/2013	7:25	0	0.033	0	0	0.156	0	0.123
4/3/2013	8:37	0.6	0.119	0	0.1	0.108	0.6	0.108
4/3/2013	9:15	0.6	0.123	0	0.1	0.108	0.6	0.108
4/3/2013	9:45	0.5 0.6	0.138	0 0	0.1 0.1	0.144 0.114	0.5 0.6	0.006
4/3/2013 4/3/2013	10:20 11:30	0.6	0.166 0.155	0	0.1	0.114	0.6	0.114 0.123
4/4/2013	8:00	0.0	0.082	0	0.1	0.129	0.0	0.047
4/4/2013	8:30	0	0.099	0	0	0.117	0	0.018
4/4/2013	9:00	0.1	0.274	0	0	0.223	0.1	0.223
4/4/2013	9:30	0	0.141	0	0	0.105	0	0.105
4/4/2013	10:15	0	0.095	0	0	0.084	0	0.084
4/4/2013	11:00	0	0.9	0	0	0.93	0	0.03
4/4/2013	11:30	0	0.082	0	0	0.174	0	0.092
4/4/2013	11:55	0	0.081	0	n/a	n/a	0	
4/5/2013	7:25	0	0.133	0	0	0.157	0	0.024
4/5/2013	7:50	0	0.123	0	0	0.164	0	0.041
4/5/2013	8:10	0	0.085	0	0	0.079	0	0.079
4/5/2013	8:30	0	0.093	0	0	0.2	0	0.107
4/5/2013	8:47	0	0.082	0	0	0.167	0	0.085
4/5/2013	9:20	0	0.091	0	0	0.171	0	0.08
4/5/2013 4/5/2013	9:50 10:10	0 0	0.121 0.194	0 0	0 0	0.203 0.132	0 0	0.082 0.132
4/5/2013	10:10	0	0.136	0	0	0.157	0	0.021
4/5/2013	10:48	0	0.147	0	0	0.166	0	0.019
4/5/2013	11:04	ő	0.153	0	0	0.181	0	0.028
4/5/2013	11:20	0	0.119	0	0	0.202	0	0.083
4/5/2013	11:45	0	0.103	0	0	0.133	0	0.03
4/5/2013	12:00	0	0.159	0	0	0.211	0	0.052
4/5/2013	12:23	0	0.167	0	0	0.208	0	0.041
4/5/2013	12:48	0	0.178	0	0	0.202	0	0.024
4/5/2013	13:10	0	0.115	0	0	0.171	0	0.056
4/5/2013	13:25	0	0.128	0	0	0.14	0	0.012
4/11/2013	11:00	0.1	0.029	0	0	0.038	0.1	0.009
4/11/2013	11:15	0	0.03	0	0	0.039	0	0.009
4/11/2013	11:30	0	0.041	0 0	0.1	0.043	0.1	0.002
4/11/2013 4/11/2013	11:45 12:02	0 0	0.026 0.023	0	0.1 0.1	0.028 0.028	0.1 0.1	0.002 0.005
4/11/2013	12:20	0	0.026	0	0.1	0.028	0.1	0.005
4/11/2013	12:36	0	0.025	0	0.1	0.03	0.1	0.005
4/11/2013	14:00	Ö	0.031	0	0.1	0.042	0.1	0.011
4/11/2013	13:22	0	0.033	0	0.1	0.041	0.1	0.008
4/13/2013	6:50	0	NM	NM	0.5	NM	0.5	
4/13/2013	7:40	0	0.028	NM	0.3	0.007	0.3	0.007
4/13/2013	8:03	0	0.1	NM	0	0.01	0	0.01
4/13/2013	9:00	0.3	0.056	NM	0	0.035	0.3	0.035
4/13/2013	9:36	0	0.07	NM	0	0.023	0	0.023
4/13/2013	10:10	0.4	0.161	NM	0	0.043	0.4	0.043
4/13/2013	10:36	0.4	0.06	NM	0.1	0.032	0.4	0.032
4/13/2013	10:57	0.3	0.061	NM	0	0.027	0.3	0.027
4/13/2013	11:12	0.2 0.2	0.021	NM NM	0.4	0.028 0.023	0.2	0.007 0.023
4/13/2013 4/15/2013	11:26 6:35	0.2	0.05 0.021	NIVI O	0.3 0	0.023	0.1 0	0.023
4/15/2013	6:52	0	0.021	0	0	0.005	0	0.005
4/15/2013	7:10	0.1	0.023	0	0.1	0.003	0	0.003
4/15/2013	7:32	0.1	0.049	0	0.1	0.008	0	0.008
4/15/2013	7:53	0.1	0.025	0	0.2	0.007	0.1	0.007
4/15/2013	8:10	0.1	0.011	Ö	0.2	0.013	0.1	0.002
4/15/2013	8:30	0.1	0.013	0	0.2	0.01	0.1	0.01
4/15/2013	8:55	0.1	0.017	0	0.2	0.008	0.1	0.008
4/15/2013	9:20	0.1	0.012	0	0.2	0.011	0.1	0.011

Table B-1
Community Air Monitoring Plan Data

Date	Time	Upwind PID (ppm)	Upwind Dust (mg/m³)	Work Area PID (ppm)	Downwind PID (ppm)	Downwind Dust (mg/m³)	Corrected PID (ppm)	Corrected Dust (mg/m³)
4/15/2013	9:38	0	0.012	0	0.2	0.009	0.2	0.009
4/15/2013	10:03	0	0.01	0	0.2	0.008	0.2	0.008
4/15/2013	10:25	0	0.007	0	0.2	0.009	0.2	0.002
4/15/2013	10:42	0	0.013	0	0.2	0.009	0.2	0.009
4/15/2013	11:00	0	0.014	0	0.2	0.008	0.2	0.008
4/15/2013	11:17	0	0.018	0	0.2	0.008	0.2	0.008
4/15/2013	11:35	0	0.022	0	0.2	0.008	0.2	0.008
4/15/2013	12:00	0	0.015	0	0.2	0.011	0.2	0.011
4/16/2013	7:15	0	0.015	0	0.2	0.02	0.2	0.005
4/16/2013	7:32	0	0.027	0	0.2	0.01	0.2	0.01
4/16/2013	7:50	0	0.018	0	0.2	0.022	0.2	0.004
4/16/2013	8:05	0	0.02	0	0.2	0.01	0.2	0.01
4/16/2013	8:35	0	0.022	0	0.3	0.016	0.3	0.016
4/16/2013	9:00	0	0.027	0	0.3	0.017	0.3	0.017
4/16/2013	9:22	0	0.032	0	0.3	0.024	0.3	0.024
4/16/2013	9:45	0	0.02	0	0.3	0.021	0.3	0.001
4/16/2013	10:00	0	0.047	0	0.3	0.027	0.3	0.027
Average		0.127	0.096				0.172	0.063

Note: some data was not recovered due to malfunction of a data logger. Field notes indicate that results were consistent with other days with similar field activities.

AECOM Environment

Appendix C

Waste Disposal Documentation



Clean Water of New York, Inc.

3249 Richmond Terrace Staten Island, NY 10303

Phone: 718-981-4600 Fax: 718-981-5213

JOB RECEIPT

Job Number JOB0123247

Date 4/24/13

Time 12:25 pm

Job Type Truck Job

Generator NATIONAL GRID 222-254 Maspeth Avenue Brooklyn, NY 11211 (000) 000-0000 EPA Permit # Customer **ENVIRO TRAC LTD**

5 Old Dock Road Yaphank, NY 11980

PO#: 7278 Profile Sheet:

Yes

Approval Code: 1022-002

Job#

EPA Permit #:

NYR000157644

Transporter

NYS DEC Permit #: 2A-531

WILLIAM J. LAUER CORP.

3249 Richmond Terrace

Staten Island, NY 10303

Transport / Vessel: VAC # 55

of Tanks:

U of M:

Total Capacity:

6,300

Gallons

Site / Vessel Name: NATIONAL GRID - EQUITY MPG SITE

Received 5,904 Gallons Of Oily Water For Proper Treatment and Disposal.

Products & Test Results	Category Coo D N01			Description Oily Water	Quantity 5,904	UoM Gallons
Compartment	% Water 99.00	% Oil 1.00	% Solid 0,00	Halogens (ppm) 0	Flash Po >= 100	. ,

Other Tests Peformed: No

Did this load or any portion of this load orginate at a utility? Yes

Receiver's Signature and Date 4/24/2013 12:21 pm

Generator's Representative Signature and Date

Page 1 of 1

NON-HAZARDOUS WASTE MANIFEST

Please type or print. Manifest Doc. No. 1. Generator's US EPA ID No. 2. Page 1 of **NON-HAZARDOUS** 04-11-2013 DC 123061 **WASTE MANIFEST** 0 001841 3. Generator's Name and Mailing Address A. National Grid Former Equity MGP Site National Grid NY One Metrotech Center 254 Maspeth Ave Brooklyn, NY 11201 Brooklyn, NY 11211 4. Generator's Telephone Number (718) 963-5453 5. Transporter 1 (Company Name) 6. US EPA ID Number B. State Transporter's ID 2A-531 William J. Lauer Corp. NYR000157644 718) 981-8500 C. Transporter 1 Telephone (7. Transporter 2 (Company Name) 8. US EPA ID Number D. State Transporter's ID E. Transporter 2 Telephone (9. Designated Facility Name and Site Address 10. US EPA ID Number F. State Facility ID Clean Water Of New York, Inc. 3249 Richmond Terrace G. Facility Telephone (718) 981-4600 Staten Island, NY 10303 NY0000968545 11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number 12. Containers 14. Unit 13. Total Number Wt / Vol Type Quantity H. Waste No. **EPA** NON RCRA NON DOT REGULATED LIQUIDS Gal 00 N018 STATE GENERATOR EPA STATE **EPA** STATE d **EPA** STATE I. Additional Description for Materials listed Above J. Handling Codes for Wastes Listed Above 1022-001 - Development Water a. C. C. 15. Special Handling Instructions and Additional Information 24 Hour Emergency Telephone # 877 319-0800 P.O. # 7278 16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest re not subject to federal hazardous waste regulations. Printed/Typed Name 17. Transporter 1 Acknowledgement of Receipt of Materials TRANSPORTER Printed/Typed Name Signature Day Year 19. Discrepancy Indication Space FACILITY 20. Facility Owner or Operate tion of receipt of hazardous materials covered by this manifest except as note Printed/Typed Name **ORIGINAL - RETURN** O GENERATOR



Clean Water of New York, Inc.

3249 Richmond Terrace Staten Island, NY 10303

Phone: 718-981-4600 Fax: 718-981-5213

JOB RECEIPT

Job Number JOB0123262

Date 4/25/13

Time 8:15 am

Job Type Truck Job

Generator

NATIONAL GRID 222-254 Maspeth Avenue Brooklyn, NY 11211 (000) 000-0000 EPA Permit #

Customer

ENVIRO TRAC LTD 5 Old Dock Road Yaphank, NY 11980

PO #: Profile Sheet:

7278

Yes

Approval Code: 1022-002

Job#

WILLIAM J. LAUER CORP. 3249 Richmond Terrace Staten Island, NY 10303

EPA Permit #:

NYR000157644

Transporter

NYS DEC Permit #: 2A-531

Transport / Vessel:

VAC # 53

of Tanks:

U of M:

1

Total Capacity:

6,300

Gallons

Site / Vessel Name: NATIONAL GRID - EQUITY MPG SITE

Received 3,569 Gallons Of Oily Water For Proper Treatment and Disposal.

Products &	Category	Code		Description	Quantity	UoM
Test Results	D	N018		Oily Water	3,569	Gallons
Compartment	% Water 99.00	% Oil 1.00	% Solid 0.00	Halogens (ppm)	Flash Po >= 100	int (oF)

Other Tests Peformed: No

Did this load or any portion of this load orginate at a utility? Yes

Receiver's Signature and Date 4/25/2**4**13 8:13 am

Generator's Representative Signature and Date

Page 1 of 1

NON-HAZARDOUS WASTE MANIFEST

Please type or print.

	WASTE MANIFEST NYR	S US EPA ID No. C 04-11-2013 0 0 0 1 8 4 1	8-4	nifest Doc.		62		2. Page 1 of	
4.	One M Brookl Generator's Telephone Number(718)963			A.	Natio	254 Mas Brooklyi	speth A n, NY 1	1211	
5.	Transporter 1 (Company Name)	6. US EPA ID Number	er	В.	B. State Transporter's ID 2A-531				
7.	William J. Lauer Corp. Transporter 2 (Company Name)	N Y R 0 0 0 8. US EPA ID Number		And the second second		orter 1 Telephone ransporter's ID	(718) 981-8500	
0	Designated Facility Name and Oils Address	40 110 504 10 1				orter 2 Telephone	()	
	Designated Facility Name and Site Address Clean Water Of New York, Inc. 3249 Richmond Terrace Staten Island, NY 10303	N Y 0 0 0 0	9685	4 5		Telephone (31-4600	
11.	. US DOT Description (Including Proper Shipping Na	me, Hazard Class and ID N	umber	12. Con		13. Total	14. Unit	World Control	
a.	NON RCRA NON DOT REGULAT	ED LIQUIDO	,°	Number	Туре	Quantity	Wt / Vol	H. Waste No.	
	NON RCRA NON DOT REGULAT	ED LIQUIDS		001	T	3,569	Gal	STATE N018	
b.				1000		* 1111111111111111111111111111111111111		EPA	
								STATE	
C.				1				EPA	
								STATE	
d.								EPA	
								STATE	
a.		c.			a.		C.		
b.	Special Handling Instructions and Additional Informa	d.	***		b.		d.		
Prin	GENERATOR'S CERTIFICATION: I hereby certify proper condition for transport. The materials described need/Typed Name ONALD P CAMPBELL Transporter 1 Acknowledgement of Receipt of Mater	on this manifest are not su	pment are ful ubject to feder	ly and accural hazardou	rately de us waste	escribed and are in regulations.		P.O. # 7278 ts Day Y	
	Transporter 2 Acknowledgement of Receipt of Mater	Signature Signature	elin	o Ur	lle	gul		Mo. Day Ye	
	tted/Typed Name	Signature		,				Mo. Day Yo	
	Discrepancy Indication Space Facility Owner or Operator: Certification of receipt of	hazardous materials covered	ed by this mai	ifest excep	et as note	ed in I)em 19.			
	ted/Typed Name	Signature	X	Loc	ey.	5	4	Mo Day Y	

Bayabone Gerycling Corp. 75:Eygue Bill Rd PO Boy 898 Keasbeyr NJ 08032

Facility ID: 132397

Ticket: 227503

Date: 4/24/2013

Time: 09:05:34 - 09:25:18

Oustomers ENVIRO TRAC/BROWSE 400 CORPORATE COURT SUITE E

BURIEL NOTELLY NT 07080-

Truckia 24740PC

Gross: 69120 lb In Scale 2 Tare: 29700 1b Out Scale 4

Net: 39420 lb

CUYDs: 25

Truck Type: TRIAXLE

Carriers AJC TRUCKING INC

Connenti

Origin

Materials & Services Quantity Unit

Drocklyn Brocklyn

CONCRETE TRIAXLE REBAR/METAL

从在1000年

19.71 Tons 19.71 Tons

Benokiyn GARBAGE

19.71 Tons

THE ABOVE IS CORRECT AND NON-HOZARDOUS TO THE BEST OF MY KNOWLEDGE

Weighmaster: Mark

Daysbore Recycling Corp. 75 Crows Mill Rd PO Box 290 Keasbey, NJ 08832

Customer: ENVIRO TRAC/BRC0850 400 CORPORATE COURT

SUITE

SOUTH PLAINFIELD, NJ 07000-

Trucks 855 tops

Carpient AJC TRUCKING INC

Endrente

Brooklyn Brooklyn

Materials & Services

MIXED-BRICK, BLOCK, CONCRET 22,54 Tons

BARDAGE

Quantity Unit

Facility ID: 132397

Ticket: 223330

Date: 4/16/2013

Net: 45080 lb

CUYDs: 25 License: 25510PC

Time: 09:18:11 - 09:50:04

Gross: 72520 lb In Scale 1 Tare: 27440 lb Out Scale 3

Truck Type: TRIAXLE

Scale

22,54 Tons

THE ABOVE IS CORNECT AND HOM-HAZARDOUS TO THE BEST OF MY KNOWLEDGE

Driver:/

Weighmaster: Andres

Bayskure Recycl 75 Urows Mill R		Facility ID: 132397
PCD Box 290 Keasbey, NJ 1886.		Ficket: 223557
		Vates 4/16/2013
		11mo: 13:18:51 - 13:38:38
Customer: ENVI	TO TRAC/ERCVISM	Scal Gross: 77340 lb In Scale
490	CORPORATE COURT	Tare: 27320 lb Out Scale
341	化精铁铁 杂物 医结束 人名英格兰人姓氏 医二氏征 人名英格兰人姓氏 医二氏管 医克拉氏试验 化二氯甲基乙酯	Net: 5002016
Trucks 25510	1 PLAINFIELD, NJ 07080-	방문 프로그 원래에 발표되어 되고 보았다.
13 FOR 9 COURT		CUYDs: 25 License: 255189C
Carriery AJC Comments		Truck Type: TRIAXI(
Origin	Materials & Services	Quantity Unit
Rrooklyn Brooklyn	COMERETE INTUXEE	25/01 Tons 25/01 Tons
THE ABOVE IS	CORRECT AND NOW-HAZARDOUS TO	THE BEST OF MY KHOWLEDGE
Drivera		Weighmaster: Mark
4 mpt numüngeraturura	And the state of t	Bar Himar og 1. g LIVLK
•		

Bayefiure Recycling Corp. 75 Grows Mill Ad Ticket: 223312 PD Bax 290 Date: 4/16/2013 Keasbey, NJ 08832 Time: 09:10:57 - 09:37:31 Scale Gross: 78940 lb In Scale i Customer: ENVIRO TRAC/BRC0850 Tares 27500 16 Out Scale 4 400 CORPORATE COURT Net: 51440 lb SUITE E License: 18409PC SOUTH PLAINFIELD, NJ 07089-Truck: 18489PC CUYDe: Truck Type: TRIAXLE Carrier AJC TRUCKING INC . Comment: Origin Materi Materials & Services Quantity Unit Origin MIXED-BRICK, BLOCK, CONCRET 25.72 Tons Prooklyn THE ABOVE IS CORRECT AND NON-HAZARDOUS TO THE BEST OF MY KNOWLEDGE Weighmaster: Mark Drivers

Bayshore Recycling Corp. 75 Crows Mill Rd PO Box 290 Keasbey, NJ 08832

Facility ID: 132397

Ticket: 223540

Date: 4/16/2013

Time: 13:13:49 - 13:16:18

Scale

Customer: ENVIRO TRAC/BRC0850 400 CORPORATE COURT

SUITE E

SOUTH PLAINFIELD, NJ 07080-

Trucks 18489PC

Gross: 81860 lb In Scale 1 Tare: 27500 1b Fr. T.

Net: 54360 1b

CUYDs: 25

License: 18489PC Truck Types TRIAXLE

Carrier: AJC TRUCKING INC

Connersta

Origin

Materials & Services Quantity Unit and the same which the party and the same are some one of the same and the same are same and the same are same

Brooklyn

Brooklyn

CONCRETE TRIAXLE BIG PIECES OVER 2º

Brooklyn

GARBAGE

27.18 Tons 27.18 Tons 27.18 Tons

THE ABOVE IS CORRECT AND NON-HAZARDOUS TO THE BEST OF MY KNOWLEDGE

Drivers

Weighmaster: Alec

sRpCstPrfDay.rpt

Customer: BSM0125 Profile: 2713-284

Exclude Material: TRANS

Site ID: All

BAYSHORE FAMILY OF COMPANIES Customer/Profile/Date Report

Transactions from 04/16/2013 through 05/02/2013 Inbound Tickets Only

Third Party and Intercompany Customers Disposal Only

Full Details

Page 1 of 2 5/2/2013 11:44AM User ID: SUSAN

Ticket	Material	Manifest	Truck	In / Out	Gross	Tare	Net	Bill Units	Tons
BSM0125 - A	ARCO ENVII	RONMENTAL	senii iidaan — — magaayiin				The second secon		
2713-284 - N	ATIONAL G	RID FORMER	MGP SITE						
04/19/2013									
225147	27CT	55058	AN828W	I	89940	29440	60500	30.25 TN	30.25
225175	27CT	55059	AN381W	I	83580	29500	54080	27.04 TN	27.04
225205	27CT	55061	AN786K	I	91320	30500	60820	30.41 TN	30.41
225232	27CT	55062	AN809P	I	84200	27240	56960	28.48 TN	28.48
225270	27CT	55060	AP191K	I	87120	29800	57320	28.66 TN	28.66
04/19/2013					-	_, _,	0.320	20.00 111	144.84
5 tickets and 5	transactions								144.04
04/23/2013									
226767	27CT	E0134255	AN809P	I	84180	27240	56940	28.47 TN	28.47
226785	27CT	E0134254	AP414M	I	86840	28480	58360	29.18 TN	29.18
227073	27CT	E0134256	AN732R	I	88220	28940	59280	29.64 TN	29.64
227091	27CT	E0134258	AN809P	I	87000	27240	59760	29.88 TN	29.88
227094	27CT	E0134257	AP414M	I	92920	28540	64380	32.19 TN	32.19
227313	27CT	E0134259	AN732R	I	90120	28940	61180	30.59 TN	30.59
04/23/2013									179.95
6 tickets and 6 t	ransactions								179.93
04/29/2013									
229622	27CT	E0134261	AN700H	I	75040	29080	45960	22.98 TN	22.98
229638	27CT	E0134262	AP414M	I	86440	28540	57900	28.95 TN	28.95
229649	27CT	E0134263	AN809P	I	89120	27240	61880	30.94 TN	30.94
229717	27CT	E0134264	AP964K	I	86700	28340	58360	29.18 TN	29.18
229889	27CT	E0134265	AN700H	I	68840	29080	39760	19.88 TN	19.88

sRpCstPrfDay.rpt

Customer: BSM0125 Profile: 2713-284

Exclude Material: TRANS

Site ID: All

BAYSHORE FAMILY OF COMPANIES Customer/Profile/Date Report

Transactions from 04/16/2013 through 05/02/2013
Inbound Tickets Only
Third Party and Intercompany Customers
Disposal Only
Full Details

Page 2 of 2 5/2/2013 11:44AM User ID: SUSAN

Ticket	Material	Manifest	Truck	In / Out	Gross	Tare	Net	Bill Units	Tons
SM0125 - A	ARCO ENVIR	RONMENTAL				o military gazania di Manazana	Missing promotion and the second seco		
2713-284 - N	NATIONAL G	RID FORMER N	MGP SITE						
04/29/2013									
5 tickets and 5	transactions								131.93
05/02/2013									
231490	27CT	E0134260	16429PC	Ī	64980	36040	20040	14.45	
05/02/2013				•	04780	30040	28940	14.47 TN	14.47
1 ticket and 1 tr	ansaction								14.47
2713-284 - N	ATIONAL GI	RID FORMER M	4GP SITE						
17 tickets and 17	transactions								471.19
SM0125 - AA	ARCO ENVIR	ONMENTAL							
tickets and 17 tra	nsactions								471.19
eport Gra	nd Totals								
tickets and 17	transactions							-	471.19
									End of Rep

NON-HAZARDOUS WARPER MANIFEST 1. Generator's News, and Melling Addressy 4. Generator's News, and Melling Addressy 4. Generator's News, and Melling Addressy 5. Transporter 1 Company Name ARROD ENVIRONMENTAL SERVICES CORP N. Y. R. D. D. 1. D. 7. T. 2. 6 634-586-5900 1. Transporter 2 Company Name 4. Transporter 2 Company Name 5. Transporter 2 Company Name 10. US EPA ID Number C. Facility's Phone 11. Whate Shipping Name and Description 12. Containers 13. Transporter 2 Company Name 14. Whate Shipping Name and Description 5. Transporter 2 Company Name 15. Special Handling Instructions and Additional Information 6. Handling Codes for Wastee Listed Above E. Handling Descriptions for Materials Listed Above E. Handling Instructions and Additional Information EMERGENCY PHONE # 631-586-5900 GENERATOR'S CERTIFICATION 1 overly to material described show on this engalistism has skilled to Indian and Additional Information EMERGENCY PHONE # 631-586-5900 GENERATOR'S CERTIFICATION 1 overly to material described show on this engalistism has skilled to Indian engalistism for recording proper deposed of Hazardous Wastes Roth Day New York Transporter 1 Authors/Additional Transport of Materials Signature Signature Month Day Year Signature Month Day Year Signature Month Day Year Signature Month Day Year Facility Owner or Operator Certification of receipt of waste materials covered by this maniford except as noted in Item 19.	(Form designed for use on elita (ZARDOUS 1.	Generator's US EPA ID					The vital	
4. Generator's Phone (120) 5. Transporter's Phone (120) 7. Transporter's Phone (120) 7. Transporter's Phone (120) 7. Transporter's Phone (120) 8. US EPALD Number (120) 9. Designated Facility Name and Site Address 10. US EPALD Number (120) 11. Waste Shipping Name and Description 11. Waste Shipping Name and Description 12. Containers (130) 13. No. Type (100) 14. One of the state of the	A 3 Generator's No.	IANIFEST		LiAldiulest T					
4. Generator's Phone (5. Transporter's Phone (7. Transporter's Company Name ARROG EAVYRONMENTAL SERVICES CORP. N. Y. R. U. U. D. 1. T. 7. 3. 2. 6 3. Designated Facility Name april Site Address 10. US EPA ID Number 11. Wester Shipping Name and Description 12. Containers 13. Inc. Type Clearity 14. Containers 15. Transporter's Phone 17. Transporter's Phone 18. Containers 19. US EPA ID Number 19. Containers 10. US EPA ID Number 10. Facility's Phone 11. Wester Shipping Name and Description 12. Containers 13. Inc. Type Clearity 14. Containers 15. Special Handling Instructions and Additional Information 15. Special Handling Instructions and Additional Information EMERGENCY PHONE # 631-586-5900 16. GENERATOR'S GERTIFICATION: Lentity the materials described above on this majerial are not adulted to federal implications for resorting imper disposal of Nezarious Wester. 16. Special Handling Instructions and Additional Information EMERGENCY PHONE # 631-586-5900 17. GENERATOR'S GERTIFICATION: Lentity the materials described above on this majerial are not adulted to federal implications for resorting imper disposal of Nezarious Wester. 17. Transporter 1 Autonomicolyment of Receipt of Medicinia 18. Printed Type Name 18. Signature 18. Transporter 2 Actions/degineers of Receipt of Medicinia 18. Signature 18. Transporter 2 Actions/degineers of Receipt of Medicinia 19. Transporter 2 Actions/degineers of Receipt of Medicinia 19. Transporter 2 Actions/degineers of Receipt of Medicinia 19. Signature 19. Signature 19. Transporter 2 Actions/degineers of Receipt of Medicinia 19. Signature 19. Signature 19. Signature 19. Transporter 2 Actions/degineers of Receipt of Medicinia 19. Transporter 2 Actions/degineers of Receipt of Medicinia 19. Transporter 2 Actions/degineers of Receipt of Medicinia 19. Transporter 2 Ac	Generator's Name an	d Mailing Address	d /		DT (of /			
GEMERATOR'S CERTPECATION: 1 sortly the materials described above on the regulation are not subject to reducing propert disposal of Necestron Western	11 21 2 1	11201	1	and the	7		Semistrii		
A Transporter's Proce GA4-586-5900 7. Transporter 2 Company Name 8. US EPA ID Number 9. Designated Facility Name and Stite Address 10. US EPA ID Number 11. Wealth Shipping Name and Description 11. Wealth Shipping Name and Description 11. Wealth Shipping Name and Description 12. Containers 13. US EPA ID Number 14. Containers 15. Special Handling Codes for Wealtes Listed Above 15. Special Handling Instructions and Additional Information 16. EMERGENCY PHONE # 631-586-5900 16. CENERATOR'S CERTIFICATION: Loutly the metalical disorded above on this register are hot subject to federal regulations for monthing proper disposal of incordus Wealth. 17. Visual Shipping Name and Codes for Wealtes Listed Above 18. Hendling Codes for Wealtes Listed Above 19. A Transporter's Proce GA4-586-5900 19. CENERATOR'S CERTIFICATION: Loutly the metalical disorded above on this register are hot subject to federal regulations for monthing proper disposal of incordus Wealth. 19. CENERATOR'S CERTIFICATION: Loutly the metalical disorded above on this register are hot subject to federal regulations for monthing proper disposal of incordus Wealth. 19. CENERATOR'S CERTIFICATION: Loutly the metalical disorded above on this register are hot subject to federal regulations for monthing proper disposal of incordus Wealth. 19. CENERATOR'S CERTIFICATION: Loutly the metalical disorded above on this register are hot subject to federal regulations for monthing proper disposal of incordus Wealth. 19. CENERATOR'S CERTIFICATION: Loutly the metalical disorded above on this register are hot subject to federal regulations for monthing proper disposal of incordus Wealth. 19. Signature 19. Monthing Proper Additional Properties of the metalical covered by this manifest except as noted in item 19. 19. Transporter 2 Action Wealth and Properties Prop	4. Generator's Phone (100	N. 385 16 3 5 36	1/					
8. US EPAID Number 8. Transporter's Phone 10. US EPAID Number 9. Transporter's Phone 11. Waste Stapping Name and Description 12. Containers 13. No. Type Observed No. Type	5. Transporter 1 Compan	v No-	6						
a. US EPA ID Number B. Transporter Phone 8. Transporter Phone 10. US EPA ID Number C. Facility's Phone 11. Waste Stapping Name and Description 12. Containers 13. No. Type Coloral Information 14. Containers 15. Special Hearding Codes for Westes Listed Above 15. Special Hearding Instructions and Additional Information EMERGENCY PHONE # 631-586-5900 16. Generators Scentification for Materials Listed Above 17. Waster to reduce the reduced above on the registed are bot subject to federal regulations for reporting proper disposal of incuratous Wester. 18. Special Hearding Instructions and Additional Information EMERGENCY PHONE # 631-586-5900 18. Special Hearding Instructions and Additional Information EMERGENCY PHONE # 631-586-5900 18. Special Hearding Instructions and Additional Information EMERGENCY PHONE # 631-586-5900 18. Special Hearding Instructions and Additional Information EMERGENCY PHONE # 631-586-5900 18. Special Hearding Instructions and Additional Information EMERGENCY PHONE # 631-586-5900 18. Special Hearding Instructions and Additional Information EMERGENCY PHONE # 631-586-5900 18. Transporter 2 Additional Information Security Phone Instructions for receipt of Materials Signature Signature North Day Year Transporter 2 Additional Information of Receipt of Wasterlais Printed Typed Name Signature Signature North Day Year Transporter 2 Additional Information of Receipt of Wasterlais Printed Typed Name Signature	7. Transpoder 2 Communication	MMENTAL SERVICE	S CORP. NY R	US EPA ID Number	A. 1	ransporter's	s Phone		_
10. US EPA ID Number C. Facility's Phone 11. Waste Shipping Name and Description 12. Containers 13. No. Type Obtain 13. One of the Containers 15. 14. One of the Containers 15. 15. One of the Containers 15. 16. One of the Containers 15. 17. Waste Shipping Name and Description 18. One of the Containers 15. 19. One of the Containers		/ Name		US EPA ID Number				and the second s	
Interpretable of Receipt of Materials GENERATOR'S CERTIFICATION: Locally the methodia described above on this majoriest are not subject to federal requisitors for reporting proper disposal of Hexadous Wester. GENERATOR'S CERTIFICATION: Locally the methodia described above on this majoriest are not subject to federal requisitors for reporting proper disposal of Hexadous Wester. Finited/Typed Name Signature Signature Signature Month Day Year Transporter 2 Acknowledgment of Receipt of Materials Signature Signature Month Day Year Transporter 2 Acknowledgment of Receipt of Materials Signature Signature Signature Signature Month Day Year Transporter 2 Acknowledgment of Receipt of Materials Signature	9. Designated Facility Nan	N (a .			В. Т		Phone		_
11. Waste Shipping Name and Description a.	13. 17	6	10.	US EPA ID Number			ne	43	
a. 12. Containers 13. 13	1 1 1 1 1	/ = !			- 1				
a. 12. Containers 13. 13	11. Waste Shipping Name of	2	1		- 1				
No. Type Today Ounnity D. Additional Descriptions for Materials Listed Above E. Handling Codes for Wastes Listed Above E. Handling Codes for Wastes Listed Above E. Handling Codes for Wastes Listed Above E. Handling Instructions and Additional Information EMERGENCY PHONE # 631-586-5900 GENERATOR'S CERTIFICATION: I parity the materials described above on this magnified are hot subject to federal requisitions for reporting proper disposal of Hazardous Waste. PrintedTyped Name Signature Signature Month Day Year Transporter 1 Acknowledgment of Receipt of Materials PrintedTyped Name Signature Signature Signature Month Day Year Transporter 1 Acknowledgment of Receipt of Materials Discrepancy Indication Space Signature		1d Description			<u>- </u>	140.0			
b. C. D. Additional Descriptions for Materials Listed Above E. Handling Codes for Westers Listed Above E.	a. 412 - Cal	Art was a		11		4		13. Total	T
d. D. Additional Descriptions for Materials Listed Above E. Handling Codes for Wastes Listed Above E. Handli	Am don		27 1911	len min		INO.	Type	Quantity	_\\
d. D. Additional Descriptions for Materials Listed Above E. Handling Codes for Wastes Listed Above E. Handli	b. (1 1		
d. D. Additional Descriptions for Materials Listed Above E. Handling Codes for Wastes Listed Above E. Handling Listed Listed Listed Above E. Handling Listed Listed Listed Listed Listed Listed Listed A						16.57	12	• • • •	
d. D. Additional Descriptions for Materials Listed Above E. Handling Codes for Wastes Listed Above Special Handling Instructions and Additional Information EMERGENCY PHONE # 631-586-5900 GENERATOR'S CERTIFICATION: I certify the materials described above on this mapifest are not subject to federal regulations for reporting proper disposal of Hazardous Wester Printed/Typed Name Signature Month Day Year Transporter 2 Acknowledgment of Receipt of Materials Printed/Typed Name Signature Month Day Year Transporter 2 Acknowledgment of Receipt of Materials Printed/Typed Name Signature Signature Month Day Year Transporter 2 Acknowledgment of Receipt of Waste materials covered by this manifest except as noted in item 19.							П		†
D. Additional Descriptions for Materials Listed Above E. Handling Codes for Wastes Listed Above Separation of the Codes for Wastes Listed Above E. Handling Codes for Wastes Listed Above E. Handling Codes for Wastes Listed Above Separation of the Code of	C.					١			
D. Additional Descriptions for Materials Listed Above E. Handling Codes for Wastes Listed Above Separation of the Codes for Wastes Listed Above E. Handling Codes for Wastes Listed Above E. Handling Codes for Wastes Listed Above Separation of the Code of								• • • •	\bot
D. Additional Descriptions for Materials Listed Above E. Handling Codes for Wastes Listed Above 5. Special Handling Instructions and Additional Information EMERGENCY PHONE # 631-586-5900 GENERATOR'S CERTIFICATION: Lostify the materials described above on this manifest are not subject to federal regulations for reporting proper disposed of Hazardous Waste. Printed/Typed Name Signature Signature Month Day Year Transporter 1 Acknowledgment of Receipt of Materials Printed/Typed Name Signature Month Day Year Transporter 2 Acknowledgment of Receipt of Materials Signature Signature Month Day Year Transporter 2 Acknowledgment of Receipt of Materials Printed/Typed Name Signature Signature Signature Month Day Year Transporter 1 Acknowledgment of Receipt of Waste materials covered by this manifest except as noted in item 19.	d.								1
E. Handling Codes for Wastes Listed Above Special Handling Instructions and Additional Information EMERGENCY PHONE # 631-586-5900 GENERATOR'S CERTIFICATION: I certify the materials described above on this majoritest are not subject to federal regulations for reporting proper disposal of Hazardous Waste. Printed/Typed Name Signature Signature Month Day Year Transporter 1 Acknowledgment of Receipt of Materials Printed/Typed Name Signature Month Day Year Transporter 2 Acknowledgment of Receipt of Materials Printed/Typed Name Signature Month Day Year Facility Owner or Operator. Certification of receipt of waste materials covered by this manifest except as noted in item 19. Printed/Typed Name Signature Signature Signature Signature Signature Month Day Year Signature						• •	·	<u>.</u>	
E. Handling Codes for Wastes Listed Above 5. Special Handling Instructions and Additional Information EMERGENCY PHONE # 631-586-5900 GENERATOR'S CERTIFICATION: I certify the materials described above on this majoriest are not subject to federal regulations for reporting proper disposal of Hazardous Waste. Printed/Typed Name Signature Signature Month Day Year Transporter 1 Acknowledgment of Receipt of Materials Printed/Typed Name Signature Month Day Year Transporter 2 Acknowledgment of Receipt of Materials Printed/Typed Name Signature Month Day Year Transporter 2 Acknowledgment of Receipt of Materials Printed/Typed Name Signature Month Day Year Transporter 2 Acknowledgment of Receipt of Materials Signature Month Day Year Transporter 2 Acknowledgment of Receipt of Materials Signature Month Day Year Signature Month Day Year Signature Signature Signature Signature Signature Signature	·					1	1		Γ
E. Handling Codes for Wastes Listed Above Special Handling Instructions and Additional Information EMERGENCY PHONE # 631-586-5900 GENERATOR'S CERTIFICATION: I certify the materials described above on this majoritest are not subject to federal regulations for reporting proper disposal of Hazardous Waste. Printed/Typed Name Signature Signature Month Day Year Transporter 1 Acknowledgment of Receipt of Materials Printed/Typed Name Signature Month Day Year Transporter 2 Acknowledgment of Receipt of Materials Printed/Typed Name Signature Month Day Year Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in item 19.	D. Additional Descriptions for	Materials Listed Above			- 1		- 1		
5. Special Handling Instructions and Additional Information EMERGENCY PHONE # 631-586-5900 GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper diaposal of Hazardous Weste. Printed/Typed Name Signature Signature Signature Signature Signature Signature Month Day Year Transporter 2 Acknowledgment of Receipt of Materials Printed/Typed Name Signature					E. Hand	ling Codes t	or Waste	or Linta d Alt	L
GENERATOR'S CERTIFICATION: I certify the materials described above on this maprifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste. Printed/Typed Name Signature Month Day Year Transporter 1 Acknowledgment of Receipt of Materials Printed/Typed Name Signature Month Day Year Transporter 2 Acknowledgment of Receipt of Materials Printed/Typed Name Signature Month Day Year Transporter 2 Acknowledgment of Receipt of Materials Printed/Typed Name Signature Month Day Year Transporter 2 Acknowledgment of Receipt of Wasterials Signature Month Day Year Transporter 2 Acknowledgment of Receipt of Wasterials Signature Signature Month Day Year Transporter 2 Acknowledgment of Receipt of Wasterials Signature Signature Signature Signature Signature Signature Signature Signature								o risted VD0A6	
GENERATOR'S CERTIFICATION: I certify the materials described above on this maprifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste. Printed/Typed Name Signature Month Day Year Transporter 1 Acknowledgment of Receipt of Materials Printed/Typed Name Signature Month Day Year Transporter 2 Acknowledgment of Receipt of Materials Printed/Typed Name Signature Month Day Year Transporter 2 Acknowledgment of Receipt of Materials Printed/Typed Name Signature Month Day Year Transporter 2 Acknowledgment of Receipt of Wasterials Signature Month Day Year Transporter 2 Acknowledgment of Receipt of Wasterials Signature Signature Month Day Year Transporter 2 Acknowledgment of Receipt of Wasterials Signature Signature Signature Signature Signature Signature Signature Signature	15.0			*.	1				
GENERATOR'S CERTIFICATION: I certify the materials described above on this mapifiest are not subject to federal regulations for reporting proper disposal of Hazardous Waste. Printed/Typed Name Signature	FMFRCENCY DUCA	and Additional Information							
Transporter 1 Acknowledgment of Receipt of Materials Printed/Typed Name Signature Month Day Year Transporter 2 Acknowledgment of Receipt of Materials Printed/Typed Name Signature Signature Month Day Year Discrepancy Indication Space Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in item 19. Printed/Typed Name Signature	-MEIGENCY PHON	IE # 631-586-5900						-	
Transporter 1 Acknowledgment of Receipt of Materials Printed/Typed Name Signature Month Day Year Transporter 2 Acknowledgment of Receipt of Materials Printed/Typed Name Signature Signature Month Day Year Transporter 2 Acknowledgment of Receipt of Materials Printed/Typed Name Signature Signature Signature Signature Printed/Typed Name Signature Signature Signature Signature Signature Signature	• • •								
Transporter 1 Acknowledgment of Receipt of Materials Printed/Typed Name Signature Month Day Year Transporter 2 Acknowledgment of Receipt of Materials Printed/Typed Name Signature Signature Month Day Year Discrepancy Indication Space Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in item 19. Printed/Typed Name Signature	•								
Transporter 1 Acknowledgment of Receipt of Materials Printed/Typed Name Signature Month Day Year Transporter 2 Acknowledgment of Receipt of Materials Printed/Typed Name Signature Signature Month Day Year Discrepancy Indication Space Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in item 19. Printed/Typed Name Signature									
Transporter 1 Acknowledgment of Receipt of Materials Printed/Typed Name Signature Signature Month Day Year Transporter 2 Acknowledgment of Receipt of Materials Printed/Typed Name Signature Signature Signature Signature Month Day Year Month Day Year Printed/Typed Name Signature									
Transporter 1 Acknowledgment of Receipt of Materials Printed/Typed Name Signature Month Day Year Transporter 2 Acknowledgment of Receipt of Materials Printed/Typed Name Signature Signature Month Day Year Discrepancy Indication Space Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in item 19. Printed/Typed Name Signature	GENERATOR'S CERTIFICAT	ION: I certify the materials describ	ed above on this maniford						
Transporter 1 Acknowledgment of Receipt of Materials Printed/Typed Name Signature Month Day Year Transporter 2 Acknowledgment of Receipt of Materials Printed/Typed Name Signature Signature Month Day Year Transporter 2 Acknowledgment of Receipt of Materials Printed/Typed Name Signature Signature Signature Signature Printed/Typed Name Signature Signature Signature Signature Signature Signature	PONALD D		Signature	not subject to federal regulations	for reporting p	roper disposa	of Hazard	lous Waste.	
Signature Signature Month Day Year Transporter 2 Acknowledgment of Receipt of Materials Printed/Typed Name Signature Month Day Year Signature Month Day Year Signature Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in item 19. Printed/Typed Name Signature	Transporter 1 Acknowledgmen	AMPSELL		Kull 1760	20.00	7			Year
Transporter 2 Acknowledgment of Receipt of Materials Printed/Typed Name Signature Month Day Year Month Day Year Discrepancy Indication Space Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in item 19. Printed/Typed Name Signature Signature	Printed/Typed Name	to Receipt of Materials			M-VC-CH			04/01	3
Discrepancy Indication Space Signature Month Day Year Discrepancy Indication Space Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in item 19. Printed/Typed Name Signature		A STATE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.	Signature					Mana a	- ""
Discrepancy Indication Space Signature Month Day Year Discrepancy Indication Space Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in item 19. Printed/Typed Name Signature	Printed (Trans of N	of Receipt of Materials			eli en la la proposició de la company de La company de la company d	And the second lines to the second lines to	Spiritual Company	Month Day	ear
Discrepancy Indication Space Month Day Year Printed/Typed Name Month Day Year Year Signature	Wired Libed Mawe		Signature		EV#25-100		177.00		<u> </u>
Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in item 19. Printed/Typed Name Signature		700		The state of the s				Month Day Y	ear
Tinted/Typed Name Signature	- An Opilos			The same of the sa			b	14 / 1	20022011
Tinted/Typed Name Signature									7
Tinted/Typed Name Signature	Facility Owner 0		•						
Tinted/Typed Name Signature	. Same Owner or Operator: Certi	fication of receipt of waste ma	terials covered by this ma	Inifest except po					
Signature	Printed/Typed Name			onsept as noted in iten	n 19.				\dashv
Month Day Year			Signature						
	A Service and Australia	C. C. C. C. C.					Mo	onth Day Yes	ır

(Form designed for use on elite (12-pitch) typewriter.)	the second second			. 1				
NON-HAZARDOUS WATER MANIFEST	1. Generator's U	S EPA ID No.	Manifest Doc. 5506		je 1			
3. Generator's Name and Mailing Address A.u.	MARK Y	1 1 1 2/19	. 10000	U of	1			====
11201	NY	By My 1	de	7				
4. Generator's Phone ()		4		1				
5. Transporter 1 Company Name AARCO ENVIRONMENTAL SER	VICES CORP.	6. USEF	PA ID Number	A. Tra	nsporter's	Phone		
7. Transporter 2 Company Name			A ID Number		1-586-			
9 Pedron de m		L		D. III	nsporter's	Phone	121	4
9. Designated Facility Name and Site Address	+ S = +	10. US EF	A ID Number	C. Fac	ility's Pho			47 ,
F. 60 J 18 32	_			1				
11. Waste Shipping Name and Description			<u></u>					
The state of the second light		-			12. Con	tainers	13.	1 1
a. The Contract of the Contrac	-		-		No.	Туре	13. Total Quantity	U Wt
		State of the state	Buch		101	15		1
b.					201	1 - 1	• • • •	+
						1 1		
C.					• •		• • • • •	
d.								
					· · ·		· · · ·	-
D. Additional Descriptions for Materials Listed Above		-				1.1		
A STATE OF MICHIGINAL CISTED ADOVE	в			E. Handli	ng Codes	for Waste:	s Listed Above	
15. Special Handling Instructions and Additional Infor	mation			<u>.</u>				
EMERGENCY PHONE # 631-586-5	000 000							
	300							
			•					
6. GENERATOR'S CERTIFICATION: I certify the materi	ials described above on t	his manifest are not sub	jact to fodomi moulettee s					
6. GENERATOR'S CERTIFICATION: I certify the materi Printed/Typed Name	ials described above on t	his manifest are not sub Signature	ect to federal regulations for	or reporting p	roper dispos	sal of Hazan	dous Waste.	
LONALD F CAMPBELL		his manifest are not sub Signature	ect to federal regulations fo	or reporting p	roper dispos	sal of Hazar	Month Day	Year
Transporter 1 Acknowledgment of Receipt of Mater		- g.i.a.a.o	ect to federal regulations for	or reporting p	roper dispos	sal of Hazar	the second second second	Year
LONALD F CAMPBELL		- g.i.a.a.o	ect to federal regulations fo	or reporting p	roper dispos	sal of Hazar	Month Day	1 6
7. Transporter 1 Acknowledgment of Receipt of Mater Printed/Typed Name	ials USIN	(T) 4	ect to federal regulations fo	or reporting p	roper dispos	sal of Hazan	Month Day	1 6
7. Transporter 1 Acknowledgment of Receipt of Mater Printed/Typed Name 3. Transporter 2 Acknowledgment of Receipt of Materi	ials USIN	(T) 4	ect to federal regulations fo	or reporting p	roper dispos	sal of Hazar	Month Day	ب ا
7. Transporter 1 Acknowledgment of Receipt of Mater Printed/Typed Name	ials USIN	(T) 4	ect to federal regulations fo	or reporting p	roper dispos	sal of Hazar	Month Day	Year
7. Transporter 1 Acknowledgment of Receipt of Mater Printed/Typed Name 3. Transporter 2 Acknowledgment of Receipt of Materi Printed/Typed Name	ials USIN	Signature	ect to federal regulations fo	or reporting p	roper dispos	sal of Hazar	Month Day	ب ا
7. Transporter 1 Acknowledgment of Receipt of Mater Printed/Typed Name 3. Transporter 2 Acknowledgment of Receipt of Materi Printed/Typed Name	ials USIN	Signature	ect to federal regulations fo	or reporting p	roper dispos	sal of Hazan	Month Day	Year
7. Transporter 1 Acknowledgment of Receipt of Mater Printed/Typed Name 3. Transporter 2 Acknowledgment of Receipt of Materi Printed/Typed Name	ials USIN	Signature	ect to federal regulations for	or reporting p	roper dispos	sal of Hazard	Month Day	Year
7. Transporter 1 Acknowledgment of Receipt of Mater Printed/Typed Name 3. Transporter 2 Acknowledgment of Receipt of Materi Printed/Typed Name 4. Discrepancy Indication Space	ials	Signature	A Cap	fe .	roper dispos	sal of Hazar	Month Day	Year
7. Transporter 1 Acknowledgment of Receipt of Mater Printed/Typed Name 3. Transporter 2 Acknowledgment of Receipt of Materi Printed/Typed Name 9. Discrepancy Indication Space	ials	Signature	A Cap	fe .	roper dispos	sal of Hazard	Month Day	Year
7. Transporter 1 Acknowledgment of Receipt of Mater Printed/Typed Name 8. Transporter 2 Acknowledgment of Receipt of Materi Printed/Typed Name 9. Discrepancy Indication Space 1. Facility Owner or Operator: Certification of receipt of	ials	Signature Signature	A Cay	fe .	roper dispos	sal of Hazan	Month Day	Year
7. Transporter 1 Acknowledgment of Receipt of Mater Printed/Typed Name 8. Transporter 2 Acknowledgment of Receipt of Materials	ials	Signature	A Cay	fe .	roper dispos		Month Day Month Day	Year

Please print or type (Form designed for use on elite (12-pitch) typewriter.)						清子
NON-HAZARDOUS WATER MANIFEST	1. Generator's US EPA ID No.	Manifest Doc. No				
3. Generator's Name and Mailing Address	"NY CR: Hetron tred	The Edward	of			
4. Generator's Phone (7 &)	310. 19 14.	TU				
5. Transporter 1 Company Name ARCO ENVIRONMENTAL SER	6. US EPA	ID Number	A. Transporter's	DL		
7. Transporter 2 Company Name	VICES CORP. N.Y.R. 0.0.0	. 1. 0. 7. 3. 2. 6	631-586-			
MICKABLLIA.	8. US EPA	ID Number	B. Transporter's	Phone		
9. Designated Facility Name and Site Address	10. US EPA	ID Number	C. Facility's Pho	7.2 · / ne	778	
16 603						
11. Waste Shipping Name and Description			,			
			12. Con	tainers	13. Total	T
a. /06 6 6 00 00 00 00 00 00 00 00 00 00 00	12 41		No.	Туре	Quantity	1
b.			0,11	17		
b.			1/01	┝┷┼	• • • •	\perp
\ c.				1-1	• • • •	
						T
d.						
				-		13
D. Additional Descriptions for Materials Listed Above		<u> </u>		.		2
Listed Apply		E.	. Handling Codes	for Waster	s Listed Above	1
15 Special Headling In A. III						
15. Special Handling Instructions and Additional Information EMERGENCY PHONE # 631-586-59	nation					
7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	700					
16. GENERATOR'S CERTIFICATION: I certify the material Printed/Typed Name	als described above on this manifest are not activity					
DONALD P CAMPAGE	Signature	to federal regulations for re	porting proper dispos	al of Hazard	lous Waste.	
17. Transporter 1 Acknowledgment of Receipt of Materi	of on le	- MC Eus	66		Month Day	Yea L lo
Printed/Typed Name	Signature					2
S Transporter C A I	The state of the s	The same of the sa			Month Day	Yea
 Transporter 2 Acknowledgment of Receipt of Material Printed/Typed Name 	als	A	Control of State and State of	A STATE OF THE PERSON NAMED IN	-	No.
FABER COUNT.	Signature				Month Day	Yea
9. Discrepancy Indication Space	man Substant the	-			41191	TOE
				3		
D. Facility Owner or Operator: Certification of receipt of	waste materials covered by this manifest and	and as a set of the				
Printed/Typed Name		æpt as noted in item 19.				- 120
	Signature					
	Oignature				lonth Day Y	_

	Please print or type (Form designed for use on elite (12-pit	ch) typewriter.)					SAF		1	
4	NON-HAZAI WATER MAI	RDOUS	1. Generator's US EPA ID	No.	Manifest Doc. No. 55058	2. Page 1				
	Generator's Name and Ma Generator's Phone (7 Transporter 1 Company Name and Ma)/ ():	All ANY A	Star Star	of the contract	u į				
	AARCO ENVIRONI	WENTAL SERVICE	ES CORP. N Y	US EPA ID N	umber 0, 7, 3, 2, 6	A. Transp	orter's P	hone		
	7. Transporter 2 Company Na	ine la la Ca	8.	US EPA ID N	umber	B. Transp	586-5 orter's P	hone		
	12 12 35 1111	MARITA CRIPA TINDA	100 100 100	US EPA ID No		C. Facility	r's Phone	0-((035	-
						1	2. Conta	iners Type	13. Total Quantity	14 Un Wt/\
	MUNICKH K	yulsted	mine Colst	e / Mule	661	10	0/.1	. 7	Quantity	Win
H	E R		-		d d					
	A C. TOO R							-		+-
-	d.					- -		+	· · · ·	+
	D. Additional Descriptions for Ma	aterials Listed Above	SI		E.	Handling	Codes fo	or Wastes	Listed Above	1
	15. Special Handling Instructions a EMERGENCY PHONI	and Additional Information	on)		į.	 - :				
	16. GENERATOR'S CERTIFICATION	ON: I certify the meterials of								
₩ TR	Printed/Typed Name ONALO 17. Transporter 1 Acknowledgment	AMPRELL	Sign	ature	deral regulations for re	porting prop	er disposa	of Hazard	dous Waste. /	Year
RAN	Printed/Typed Name	or Receipt of Materials	Signa	ature						•
PO	18. Transporter 2 Acknowledgment	of Donald after	a nagolistica en est, elle geographica del particologistica del particologistica de la contra de particologist						Month Day	Year
AZSPORTUR	Frinted/Typed Name	or Receipt of Materials	Signa	iture					Month Day	Year
FACI	19. Discrepancy Indication Space	V		<u>(vraja)</u>					4 119	13
	20. Facility Owner or Operator: Certi	fication of receipt of wa	ste materials covered by th	nis manifest except	as noted in item 19).				
	Printed/Typed Name		Signat	ture		<u>, , , , , , , , , , , , , , , , , , , </u>			Month Day	Year
		WARREND .							.1.1	

NON-HAZARDOUS A Generator's Name agad Maling Address A Generator's Name agad Maling Address A Generator's Phone () 5 Transporter Appear () 6 US EPAID Number	1	Yease print or type form designed for use on elite (12-pitch) typewmer.)							1	4	
4. Contrator's Phone (1720) 5. Transporter Tompeny Name (1720) 7. Transporter Tompeny Name (1720) 8. US EPA D Number (1720) 9. Designated Facility Name and Site Address (10. US EPA ID Number (1720) 10. US EPA ID Number (1720) 11. Waste Shapping Name and Description (1720) 12. Containers (1720) 13. Special Francing Instructions and Additional Information EMERGENCY PHONE # 631-586-5900 14. Special Francing Instructions and Additional Information EMERGENCY PHONE # 631-586-5900 15. Generators Certification (1720) 16. Generators Certification (1720) 17. Transporter (1720) 18. Transporter (1720) 19. Descriptions for Materials Listed Above (1720) 19. Descriptions for Materials Listed Above (1720) 10. Instruction and Additional Information EMERGENCY PHONE # 631-586-5900 10. Generators (1720) 11. Generators Certification (1720) 12. Containers (1720) 13. Special Francing Instructions and Additional Information Emergency (1720) 14. Special Francing Instructions and Additional Information Emergency (1720) 15. Special Francing Instructions and Additional Information Emergency (1720) 16. Special Francing Instructions and Additional Information Emergency (1720) 17. Transporter (1720) 18. Transporter (1720) 19. Discripting Industrials (1720) 19. Discripting I		NON-HAZARDOUS						1			L.
A Transporter Phone SPAN Number 7. Transporter 2 Company Name 8. US EPA ID Number 8. US EPA ID Number 9. Designated Facility Name 9 of Site Address 10. US EPA ID Number 11. Waste Shipping Name and Description 12. Containers 13. No. Type Cloridity 14. Containers 15. No. Type Cloridity 15. Special Handling Instructions and Additional Information EMERGENCY PHONE # 631-586-5900 16. GENERATOR'S CERTIFICATION: 1 ownly the materials described above on this manifest six not address impliciting Art reporting proper disposal of Hazaritosa Wester 17. Transporter J Additional Descriptions for Materials 18. Transporter Show 19. Descriptions for Materials Listed Above 19. Descriptions for Materials Listed Above 19. Figure 19. Descriptions for Materials Codes for Wester Listed Above 19. Transporter J Additional Descriptions for Materials described above on this manifest six not address in publishing Art reporting proper disposal of Hazaritosa Wester 19. Transporter J Additional Descriptions for Materials 19. Transporter J Additional Descriptions for Materials 19. Discripting Indication Space 20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Jenn 19. Printed Typed Name Signature Signature Signature Signature		4. Generator's Phone (7)	18/	P.	p)	† ·	OI /		· · ·		
B. US EPA ID Number B. Transporter 2 Acknowledgment of Receipt of Materials Printed/Typed Name B. US EPA ID Number C. Facility's Phone C. Facility Cover or Operator: Certification of receipt of Wester materials covered by this manifest except as noted in item 19. Printed/Typed Name Signature C. Facility Owner or Operator: Certification of receipt of wester materials covered by this manifest except as noted in item 19. Printed/Typed Name Signature Signature Signature Signature Signature Signature Signature Signature C. Facility Owner or Operator: Certification of receipt of wester materials covered by this manifest except as noted in item 19.		- AARCO ENVIRONMENTAL SERVI	CES CORP		US EPA ID N	umber	A. Trans	orter's Pho	one		
9. Designated Facility Name and Site Address 10. US EPA ID Number C. Facility's Phone 11. Wester Shipping Name and Description 12. Containers 13. Total 15. Total 16. Total 17. Total 17. Total 18. Total 19. D. Additional Descriptions for Materials Linted Above E. Handling Codes for Wantes Listed Above 15. Special Handling Instructions and Additional Information EMERGENCY PHONE # 631-586-5900 16. GENERATOR'S CERTIFICATION: Lordly the materials described above on the mentiget an not subject to federal regulations for reporting proper disposal of Hexactors Wester. 17. Transporter 1 Address/Appendix Properties of Receipt of Materials Printed/Typed Name Signature Month Day Year 18. Transporter 2 Address/Appendix Printed/Typed Name Signature Signature Month Day Year 19. Discrepting Indication Space		7. Fransporter 2 Company Name		8.	US EPA ID N	U, 7, 3, 2, 6				тор	
10. US EPA ID Number C. Facility's Phonis 11. Waste Shipping Name and Description 12. Containers 13. October 13. October 14. October 15. October 1		Designated Facility Name and Site Address		1			P6	orter's Pho	ne 17-	20	
a		15075 10 7 50 1 4 1 50 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	¢	10. L	US EPA ID N	umber	C. Facility		1,2000		27
D. Additional Descriptions for Meterials Listed Above E. Handling Codes for Wastes Listed Above 16. Special Handling Instructions and Additional Information EMERGENCY PHONE # 631-588-5900 16. GENERATOR'S CERTIFICATION: Learlify the meterials described above on this manifest ere not subject to federal regulations for reporting proper disposal of Hiszardous Wisele. 17. Transporter J Acknowledgment of Receipt of Materials Printed/Typed Name Signature Signature Month Day Year Month Day Year 19. Discreptificy Indication Space 20. Facility Owner or Operator: Cardification of receipt of waste materials covered by this manifest except as noted in item 19. Printed/Typed Name Signature							1		- 1 -	13. Total	T
d. D. Additional Descriptions for Materials Listed Above E. Handling Codes for Wastes Listed Above 15. Special Handling Instructions and Additional Information EMERGENCY PHONE # 631-586-5900 16. GENERATOR'S CERTIFICATION: Lourity the materials described above on this manifest are not subject to faderal regulations for reporting proper disposal of Hazardous Western Printed/Typed Name Signature Signature Month Day Year 19. Discreptificy Indication Space Signature Signature Signature Printed/Typed Name Signature Signature Printed/Typed Name Signature Printed/Typed Name Signature Signature Printed/Typed Name Signature		the part myse of					10		/pe Qi	uantity	W
d. D. Additional Descriptions for Materials Listed Above E. Handling Codes for Wastes Listed Above 15. Special Handling Instructions and Additional Information EMERGENCY PHONE # 631-586-5900 16. GENERATOR'S CERTIFICATION: Locatify the materials described above on this manifest are not subject to federal regulations for moorning proper disposed of Hazardous Wasses. Printed/Typed Name Signature	E N	.						0./19	<u>· · · · · · · · · · · · · · · · · · ·</u>	•	+
D. Additional Descriptions for Materials Listed Above E. Handling Codes for Wastes Listed Above 16. Special Handling Instructions and Additional Information EMERGENCY PHONE # 631-586-5900 16. GENERATOR'S CERTIFICATION: 1 certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Wieste. Prinsight/Typed Name 17. Transporter 1 Acknowledgment of Receipt of Materials Printed/Typed Name Signature Month Day Year Printed/Typed Name Signature Month Day Year 19. Discreptincy Indication Space	A C					·		<u>. .</u>		•••	L
D. Additional Descriptions for Materials Listed Above E. Handling Codes for Wastes Listed Above 15. Special Handling Instructions and Additional Information EMERGENCY PHONE # 631-586-5900 16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Wissle. Prinsed/Typed Name Signature											
E. Handling Codes for Wastes Listed Above 15. Special Handling Instructions and Additional Information EMERGENCY PHONE # 631-586-5900 16. GENERATOR'S CERTIFICATION: Learlify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste. Printed/Typed Name Signature Month Day Year Printed/Typed Name Signature Month Day Year Signature Month Day Year Signature Month Day Year Signature Month Day Year Printed/Typed Name Signature Month Day Year Printed/Typed Name Signature Month Day Year Signature Month Day Year Signature Printed/Typed Name Signature Signature Signature Month Day Year Signature Month Day Year Signature Printed/Typed Name Signature								20			
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Weste. Printed/Typed Name 17. Transporter 1 Acknowledgment of Receipt of Materials Printed/Typed Name Signature Month Day Year 18. Transporter 2 Acknowledgment of Receipt of Materials Printed/Typed Name Signature Month Day Year 19. Discreptancy Indication Space	11	Additional Descriptions for Materials Listed Above				E	. Handling	Codes for V	Vastes Liste	Above	
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal reguletions for reporting proper disposal of Hazardous Weste. Printed/Typed Name 17. Transporter 1 Acknowledgment of Receipt of Materials Printed/Typed Name Signature Month Day Year 18. Transporter 2 Acknowledgment of Receipt of Materials Printed/Typed Name Signature Month Day Year 19. Discreptancy Indication Space	L	11-4-2-8-1-1-1-1-1							· .		-
19 Discrepancy Indication Space 20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in item 19. Printed/Typed Name Signature	16.	GENERATOR'S CERTIFICATION: I certify the materials of Printed/Typed Name	O described above on to	his manifest ar	e not subject to fed	eral regulations for re	aporting prope	disposal of h			Year
19 Discrepancy Indication Space 20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in item 19. Printed/Typed Name Signature	-	rransporter 1 Acknowledgment of Receipt of Materials Printed/Typed Name	sussella mit trans.	lo:		Prop	6 67		24	171	3
19 Discrepancy Indication Space 20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in item 19. Printed/Typed Name Signature	10	Transport of the Control of the Cont	Lancon of	Signatur	Charles de Lands Ive All	And a married of department of the state of	of the state of th	2	Month	Day	Year
19. Discrepancy Indication Space 20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in item 19. Printed/Typed Name Signature	10.	Printed/Typed Name			4				A COLUMN TO A COLU		-
Printed/Typed Name Signature	_	- 75501 min ton		Signatur	B	Statement of the Statem			Month	Day Y	Year
Printed/Typed Name Signature										7-1	۰
Signature			ste materials cove	ered by this n	nanifest except a	s noted in item 19					_
									Month	Day Ye	

1	1	NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number		2. Page 1 of	3. Emergency Resp	onse Phone	4. Waste	Tracking Nu	mber		
	lt	5. Generator's Name and Maili	ng Address		1					E01	.34	257
		Retio	NAL GEIO_NY NETROTECH CENTER	1-72-7013	4.22 201		GRID		(dress)			
		Generator's Phone: GROO 6. Transporter 1 Company Nam	KLYN, NY 11211		772	BROOKLYI	THAVEN ANY 1121	T T				
	8	astralis, kilis er sinistikayine efter er anayl		PREST CONTRACTOR STORES CONTRACTOR CONTRACTO				U.S. EPA			1 - 1	1000
Ш		7. Transporter 2 Company Nam	е		E. A. C.	Again, again, a days is the freeze, in the	Market is entracted at	110 FD4	1	* NO.	et:	
	+	B. Designated Facility Name and	d Sho Address	0139860)			U.S. EPA I	D Number			
		-acility's Phone:	EAVENDAVE ST 75 CROW'S MIL MEASHEY, NO	di Manacesent d I Road 18832	ge*s toot 1,00			U.S. EPA I		energia.		
Н		9. Waste Shipping Name	୍ଟିଠିଆରି and Description			10. Co	ntainers	11. Total	12. Unit			
Н		1,				No.	Туре	Quantity	Wt./Vol.			
GENERATOR		-	. Contaminated Son Rose			601	DT					
j												
		3.		:								
		4.										
		. Special Handling Instructions				l						
	14. Go:	GENERATOR'S/OFFEROR'S marked and labeled/placarded, nerator's/Offeror's/Printed/Typer	CERTIFICATION: I hereby declared are in all respects in proper	are that the contents of this co	onsignment are fu	ily and accurately de international and nat	scribed above l	by the proper shi	pping name, a	nd are classifin	ed, pack	aged,
		Themational Shipments	rivalile	Y DANNILD	Signatu	re Indula	11/6	Can do	11	Month	Day	Year
∑	Trai	nsporter Signature (for exports of	Import to U.S.	D	Export from U.S.	Port of er Date leav			-			trade 955
SPORTER	rar	Transporter Acknowledgment of asporter 1 Printed/Typed Name	Receipt of Materials									
2		OPPORTUNITIES OF THE OWNER OF			Signatur	' 0				Month	Day	Year
2	rar	nsporter 2 Printed/Typed Name			Signatur	The state of the second states	and the major payments of the con-	1 Zfrius in a sistema	man in a supplement of a supplement	1 to per 1		
E	7. [Discrepancy	* <u> </u>	- 50	Januar			W		Month	Day	Year
1	7a.	Discrepancy Indication Space	Quantity	Туре		Residue	[Partial Rejec	ction	☐ F	ull Rejec	tion
۱,	7h	Alternate Facility (or Generator)				Manifest Reference N	umber					
	<i>,</i>	Alternate Facility (or Generator)						U.S. EPA ID No	ımber			1
		ity's Phone: Signature of Alternate Facility (c	or Generator)	· · · · · · · · · · · · · · · · · · ·								
		to the second of	or delicially							Month	Day	Year
18	. D	esignated Facility Owner or Ope	erator: Certification of receipt of n	materials covered by the men	fast except on	ted in Item 47						
Pr	inte	d/Typed Name			Signature	led in item 17a				Month	Day	Year
0. P		O E 11077 /D 0/2/										

NON-HAZARDOUS	1. Generator ID Number	2.	Page 1 of 3. Em	emency Resi	onse Phone	A Wests	Tanada - No		
WASTE MANIFEST	2013-284	,	1 ago 1 0. 0. 2.11	cigolicy Hest	Voltae Lilolle	4. Waste	Tracking Nu	E013	125
5. Generator's Name and Ma	Iling Address	MCZ.	Gener	ator's Site Ad	dress (if differen	t than mailing ad	dress)	they W/ olds W	75.00
	METROTECH CENTER	e.	22 de 17	-T. (%)	TYP IF		•		
Generator's Phone:	MINISTERNIAL SERVER		La thank	as . The	37 EIII	TE .			
6. Transporter 1 Company Ma	ma			DOM:	a 7 1 31				
The state of the s	The state of the s	ng sang sedanaghigan ma seas a amanasanahan hagi				U.S. EPA II	D Number	745	
7. Transporter 2 Company Na	me								
Man 12	Demonstrated	273				U.S. EPA II	O Number		
8. Designated Facility Name a	me nd Site Address	10							
Facility's Phone:	ELYCHORE SOLL 6 7E GROWS MILL RE PERSERY, NO 088	AAL TELL IN LEIS				U.S. EPA IC		profession	
9. Waste Shipping Nam	(+60(b)	el dia		10.0	ontainers				
	e and Description			No.	Type	11. Total Quantity	12. Unit Wt./Vol.		
1.					1,700	Gournary	VVI VOI.	· .	
MOR GORL TA NOT DOT MOT	Popa			∞ (DT				
							1 1		
3.					3				
							1 0		
			1			H _ L _ L	1 1		
4.				-	-		-		
13. Special Handling Instructions									
14. GENERATOR'S/OFFEROR's marked and labeled/placarde	S CERTIFICATION: I hereby declare the	nat the contents of this consig	nment are fully and	accurately d	escribed above	by the proper shi	pping name, a	and are classified, p	ackaged.
Generator's/Offeror's Printed/Typ	ed Name	such for danaport according	Signature	ational and n	ational governm	ental regulations.			
LONALD M	CAMPELL		1 - /	all!	11	100	-Rel	Month D	ay Year
15. International Shipments	Import to U.S.					May .	100	1 12/2	
Transporter Signature (for exports	s only):	L_J Expo	rt from U.S.		entry/exit:	<i>y</i>			
16. Transporter Acknowledgment				Date lea	iving U.S.:				
Transporter 1 Printed/Typed Nam	е		Signature				-	Month Da	ay Year
Tenenada O District Constant	* * * * * * * * * * * * * * * * * * *		-					1	-
Transporter 2 Printed/Typed Nam	9		Signature			7		Month Da	y Year
17. Discrepancy								111	1 1 1
17a. Discrepancy Indication Space						1			
The second of th	Quantity	Type		Residue		Partial Reje	ction	T Euli D	ejection
						<u>a</u>	ouon	ריין רטוו תי	sjection
17b. Alternate Facility (or Generate	ori .		Manife	st Reference	Number:				
	•					U.S. EPA ID N	umber		
Facility's Phone:						ı .			
17c. Signature of Alternate Facility	(or Generator)								
0)1								Month Day	y Year
18. Designated Facility Owner or O	perator: Certification of receipt of mater	rials covered by the manifest	except as noted in	Item 17a					
Printed/Typed Name			Signature					Month Day	Year
								Day	rear

NON-HAZARDOUS 1. Generator ID Number WASTE MANIFEST 2713-264	2. Page 1 of	3. Emergency Resp	onse Phone	4. Wast	Tracking N	umber
5. Generator's Name and Malling Address NATIONAL GRID ONE METROTECH CENTER Generator's Phone: SEDORLYM, NY 11211 6. Transporter 1 Company Name: 5453	27.2015	Generator's Site Add NATIONAL 254 MARPE BROOKLYN	CRID TH AVEN		ddress)	E0134255
7. Transporter 2 Company Name	er orderen agenda.			U.S. EPA	D Number	
8. Designated Facility Name and Site Address Be SHOPE SOR MANDESTAN				U.S. EPA I	D Number	3 D
9. Waste Shipping Name and Description		10 Co	ntainers	1		
11-11		No.	Type	11. Total Quantity	12. Unit Wt./Vol.	
MGF COAL TAR CONTAGNOSTED SON. NOT GOT ROTEGES 2.		or t		1.4		
3.						
4.		_ /				
13. Special Handling Instructions and Additional Information					24	
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of marked and labeled/placarded, and are in all respects in proper condition for transpot Generator's/Offeror's Printed/Typed Name			cribed above	by the proper ship	oping name, a	and are classified, packaged,
DONALD P CAMPBELL	Signatur	male	11	Jan Comment	260	Month Day Year
15. International Shipments Import to U.S. Transporter Signature (for exports only): 16. Transporter Acknowledgment of Receipt of Materials	Export from U.S.	Port of en				
16. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Transporter 2 Printed/Typed Aller	Signature	9				Month Day Year
Transporter 2 Printed/Typed Name	Signature	A 1 2 2	-	0 -24- S	M (K - 1) (C	
17. Discrepancy		and Callege State of the State	1-	Bern on ye		Month Day Year
17a. Discrepancy Indication Space Quantity Type		Residue		Partial Rejec	tion	Full Rejection
17b. Alternate Facility (or Generator)	<u>M</u>	lanifest Reference Nu	mber:	U.S. EPA ID Nu	mber	
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 Printed/Typed Name	ne manifest except as not	ed in Item 17a				
9-BLC-O 5 11977 (Per 9/09)	Signature					Month Day Year

	ASTE MANIFEST	2713-284] .1	3. Emergency Resp		4. Was	te Tracking	Number	
5. Ge	enerator's Name and Ma	ailing Address	22.7013	(SE)	Generator's Site Add	roce fil dies_	-1 th		Number 6	1342
Ш		CINAL GPID NY		4 2 30	Generator's Site Add	riess (ir amere	nt than mailing a	ddress)		
	UNE:	METPOTECH CENTER	75	22	2 × 1 × 1 × 1 × 1 × 1	315.93 Turkini				
6. Tran	rator's Phone:	DKLYW, NY 11711			Production of the second	17.7	**			
	i de frança a de afrança agrança.	1		- Africa	77		U.S. FPA	ID Number		
	nsporter 2 Company Na		more in the second mary and the second second second	e a principle de describer a service			1	ID HUITIDE		
į	Burke G.		T 4. 3 ()	,			U.S. EPA	ID Number		
8. Desi	ignated Facility Name a	nd Site Address	1 1. (. (.	18						
							U.S. EPA	D Number		
П		TO CONTRACT	FOIL MENUNEAR	The second					77 37474 37	
Facility's	's Phone:	75 CFOWS M	ILL MUND				4			
	9. Waste Shipping Name				10.0		<u> </u>			
			_		10. Cor		11. Total	12. Unit		
5 '	· ·	·			NO.	Туре	Quantity	Wt./Vol.		
	MOP COSL TAP	Pagioralmiated so			001	DT		-		
2.	TOTAL PARTY TOTAL	ROBE	191-			Mary 1		1 '		
							-			12(-1)
3.					_ [1 1		
								 		
						1 1				
4.								1 1		
								 		
								l i		
14. GENER	RATOR'S (OFFET PORIO	Allahan	2713-284							· · · · · · · · · · · · · · · · · · ·
14. GENER marked Generator's	RATOR'S/OFFEROR'S and labeled/placarded, s/Offeror's Printed/Types	CERTIFICATION: I hereby deci and are in all respects in prope d Name	lare that the contents of thi or condition for transport ac	/ Signature	//	ribed above by	<u> </u>			
14. GENER marked Generator's	RATOR'S/OFFEROR'S I and labeled/placarded, s/Offeror's Printed/Typer ALO ional Shipments	CERTIFICATION: I hereby deci and are in all respects in prope d Name	lare that the contents of thi or condition for transport ac	Signature	and accurately descriptional and nation	ribed above by	<u> </u>			d, packaged, Day Y
14. GENER marked Generator's 15. Internation	RATOR'S/OFFEROR'S I and labeled/placarded, s/Offeror's Printed/Typer ALO ional Shipments Signature (for exports of	CERTIFICATION: I hereby decl and are in all respects in prope d Name	lare that the contents of thi or condition for transport ac	/ Signature	Port of entry	//exit:	<u> </u>	ping name, i		
14. GENER marked Generator's 15. Internation Transporter 16. Transporter	RATOR'S/OFFEROR'S I and labeled/placarded, s/Offeror's Printed/Typer ALLO ional Shipments Signature (for exports outer Acknowledgment of	CERTIFICATION: I hereby decl and are in all respects in prope d Name	lare that the contents of thi or condition for transport ac	Signature	rulol/	//exit:	<u> </u>			
14. GENER marked Generator's 15. Internation Transporter 16. Transporter	RATOR'S/OFFEROR'S I and labeled/placarded, s/Offeror's Printed/Typer ALO ional Shipments Signature (for exports of	CERTIFICATION: I hereby decl and are in all respects in prope d Name	lare that the contents of thi or condition for transport ac	Signature	Port of entry	//exit:	<u> </u>		Month	Day Y
14. GENER marked Generator's 15. Internation Transporter 16. Transporter	PATOR'S/OFFEROR'S I and labeled/placarded, s/Offeror's Printed/Typer ional Shipments Signature (for exports of the Acknowledgment of 1 Printed/Typed Name	CERTIFICATION: I hereby decl and are in all respects in prope d Name	lare that the contents of thi or condition for transport ac	Signature Signature Signature Signature Signature	Port of entry	//exit:	<u> </u>			
14. GENER marked Generator's 15. Internation Transporter 16. Transporter	RATOR'S/OFFEROR'S I and labeled/placarded, s/Offeror's Printed/Typer ALLO ional Shipments Signature (for exports outer Acknowledgment of	CERTIFICATION: I hereby decl and are in all respects in prope d Name	lare that the contents of thi or condition for transport ac	Signature Signature Signature Signature Signature	Port of entry	//exit:	<u> </u>		Month	Day Y
14. GENER marked Generator's 15. Internati Transporter 6. Transporter Transporter	RATOR'S/OFFEROR'S I and labeled/placarded, s/Offeror's Printed/Typer ional Shipments Signature (for exports of riter Acknowledgment of 1 Printed/Typed Name	CERTIFICATION: I hereby decl and are in all respects in prope d Name	lare that the contents of thi or condition for transport ac	Signature	Port of entry	//exit:	5 t. p		Month	Day Y
14. GENER marked Generator's 15. Internati Transporter 6. Transporter ransporter ransporter 7. Discrepar	RATOR'S/OFFEROR'S I and labeled/placarded, s/Offeror's Printed/Typer ional Shipments Signature (for exports of riter Acknowledgment of 1 Printed/Typed Name	CERTIFICATION: I hereby deci, and are in all respects in prope of Name Import to U.S. only): I Receipt of Materials	lare that the contents of this or condition for transport ac	Signature	Port of entry	//exit:	5 t. p		Month	Day Y
14. GENER marked Generator's 15. Internati Transporter 6. Transporter ransporter ransporter 7. Discrepar	RATOR'S/OFFEROR'S I and labeled/placarded, s/Offeror's Printed/Typed ional Shipments Signature (for exports of the Acknowledgment of 1 Printed/Typed Name 2 Printed/Typed Name	CERTIFICATION: I hereby decl and are in all respects in prope d Name	lare that the contents of thi or condition for transport ac	Signature	Port of entry Date leaving	//exit:	suj .	cll	Month Month	Day You
14. GENER marked Generator's 15. Internati 16. Transporter 16. Transporter Transporter Transporter 7. Discrepar 7a. Discrepar	PATOR'S/OFFEROR'S I and labeled/placarded, s/Offeror's Printed/Typed ional Shipments Signature (for exports of riter Acknowledgment of 1 Printed/Typed Name 2 Printed/Typed Name ncy ancy Indication Space	CERTIFICATION: I hereby decile and are in all respects in prope of Name Import to U.S. only): [Receipt of Materials]	lare that the contents of this or condition for transport ac	Signature Signature	Port of entry Date leaving	//exit:	5 t. p	cll	Month Month	Day Y
14. GENER marked Generator's 15. Internati 16. Transporter 16. Transporter Transporter 7. Discrepar 7. Discrepar 7. Discrepar	RATOR'S/OFFEROR'S I and labeled/placarded, s/Offeror's Printed/Typed ional Shipments Signature (for exports of the Acknowledgment of 1 Printed/Typed Name 2 Printed/Typed Name	CERTIFICATION: I hereby decile and are in all respects in prope of Name Import to U.S. only): [Receipt of Materials]	lare that the contents of this or condition for transport ac	Signature Signature	Port of entry Date leaving	//exit:	Partial Rejection	eld.	Month Month	Day You
14. GENER marked Generator's 15. Internati 15. Internati 16. Transporter 16. Transporter 17. Discrepar 7. Discrepar 7. Discrepar 7. Discrepar 7. Discrepar 7. Discrepar	RATOR'S/OFFEROR'S and labeled/placarded, s/Offeror's Printed/Typer ional Shipments Signature (for exports of arter Acknowledgment of 1 Printed/Typed Name 2 Printed/Typed Name ancy ancy Indication Space	CERTIFICATION: I hereby decile and are in all respects in prope of Name Import to U.S. only): [Receipt of Materials]	lare that the contents of this or condition for transport ac	Signature Signature	Port of entry Date leaving	//exit:	suj .	eld.	Month Month	Day You
14. GENER marked Generator's 15. Internati 15. Internati 16. Transporter 16. Transporter 17. Discrepa 7. Discrepa 7. Discrepa 7. Discrepa	RATOR'S/OFFEROR'S and labeled/placarded, s/Offeror's Printed/Typed ional Shipments Signature (for exports of the Acknowledgment of 1 Printed/Typed Name 2 Printed/Typed Name ancy Indication Space a Facility (or Generator)	CERTIFICATION: I hereby deciling and are in all respects in proper discontinuous disco	lare that the contents of this or condition for transport ac	Signature Signature	Port of entry Date leaving	//exit:	Partial Rejection	eld.	Month Month	Day You
14. GENER marked Generator's 15. Internation 15. Internation 16. Transporter 16. Transporter 17. Discrepar 76. Discrepar 76. Alternate	RATOR'S/OFFEROR'S and labeled/placarded, s/Offeror's Printed/Typer ional Shipments Signature (for exports of arter Acknowledgment of 1 Printed/Typed Name 2 Printed/Typed Name ancy ancy Indication Space	CERTIFICATION: I hereby deciling and are in all respects in proper discontinuous disco	lare that the contents of this or condition for transport ac	Signature Signature	Port of entry Date leaving	//exit:	Partial Rejection	eld.	Month Month	Day You
14. GENER marked Generator's 15. Internati 15. Internati 16. Transporter 16. Transporter 17. Discrepa 7. Discrepa 7. Discrepa 7. Discrepa	RATOR'S/OFFEROR'S and labeled/placarded, s/Offeror's Printed/Typed ional Shipments Signature (for exports of the Acknowledgment of 1 Printed/Typed Name 2 Printed/Typed Name ancy Indication Space a Facility (or Generator)	CERTIFICATION: I hereby deciling and are in all respects in proper discontinuous disco	lare that the contents of this or condition for transport ac	Signature Signature	Port of entry Date leaving	//exit:	Partial Rejection	eld.	Month Month Ful	Day You
14. GENER marked Generator's 15. Internation 15. Internation 16. Transporter 16. Transporter 17. Discrepar 76. Discrepar 76. Alternate	RATOR'S/OFFEROR'S and labeled/placarded, s/Offeror's Printed/Typed ional Shipments Signature (for exports of the Acknowledgment of 1 Printed/Typed Name 2 Printed/Typed Name ancy Indication Space a Facility (or Generator)	CERTIFICATION: I hereby deciling and are in all respects in proper discontinuous disco	lare that the contents of this or condition for transport ac	Signature Signature	Port of entry Date leaving	//exit:	Partial Rejection	eld.	Month Month Ful	Day Ye Day Ye Rejection
14. GENER marked Generator's 15. Internation 15. Internation 16. Transporter 16. Transporter 17. Discrepan 17. Discrepan 18. Alternate 19. Alternate 19. Cility's Phon	RATOR'S/OFFEROR'S and labeled/placarded, s/Offeror's Printed/Typed ional Shipments Signature (for exports of the Acknowledgment of 1 Printed/Typed Name 2 Printed/Typed Name ancy Indication Space a Facility (or Generator)	CERTIFICATION: I hereby deciling and are in all respects in proper discontinuous disco	lare that the contents of this or condition for transport ac	Signature Signature	Port of entry Date leaving	//exit:	Partial Rejection	eld.	Month Month Ful	Day Ye Day Ye Rejection
14. GENER marked Generator's 15. Internation 15. Internation 16. Transporter 16. Transporter 7. Discrepar 7a. Discrepar 7b. Alternate cility's Phon c. Signature	RATOR'S/OFFEROR'S I and labeled/placarded, s/Offeror's Printed/Typer ional Shipments Signature (for exports of the Acknowledgment of 1 Printed/Typed Name 2 Printed/Typed Name ancy Indication Space P Facility (or Generator) ne: e of Alternate Facility (or	CERTIFICATION: I hereby deciling and are in all respects in proper distribution of Marme Import to U.S. (2011): If Receipt of Materials Import to U.S. (2011): Import to U.S. (2011	lare that the contents of this or condition for transport ac	Signature Signature Mar	Port of entry Date leaving Residue	//exit:	Partial Rejection	eld.	Month Month Ful	Day Ye Day Ye Rejection
14. GENER marked Generator's 15. Internation 15. Internation 16. Transporter 16. Transporter 7. Discrepar 7a. Discrepar 7b. Alternate cility's Phon c. Signature	RATOR'S/OFFEROR'S I and labeled/placarded, s/Offeror's Printed/Typer ional Shipments Signature (for exports of the Acknowledgment of 1 Printed/Typed Name 2 Printed/Typed Name ancy Indication Space P Facility (or Generator) ne: e of Alternate Facility (or	CERTIFICATION: I hereby deciling and are in all respects in proper distribution of Marme Import to U.S. (2011): If Receipt of Materials Import to U.S. (2011): Import to U.S. (2011	lare that the contents of this or condition for transport ac	Signature Signature Signature Mar	Port of entry Date leaving Residue	//exit:	Partial Rejection	eld.	Month Month Ful	Day Ye Day Ye Rejection
14. GENER marked Generator's 15. Internation 16. Transporter 16. Transporter 7. Discrepar 7a. Discrepar 7b. Alternate collity's Phon c. Signature	RATOR'S/OFFEROR'S I and labeled/placarded, s/Offeror's Printed/Typer ional Shipments Signature (for exports of the Acknowledgment of 1 Printed/Typed Name 2 Printed/Typed Name ancy Indication Space P Facility (or Generator) ne: e of Alternate Facility (or	CERTIFICATION: I hereby deciling and are in all respects in proper discontinuous disco	lare that the contents of this r condition for transport ac	Signature Signature Mar	Port of entry Date leaving Residue	//exit:	Partial Rejection	eld.	Month Month Ful	Day Yea

1	NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number		f 3. Emergency Respon		4. Waste	Tracking Nur	E0134259
	5. Generator's Name and Mai	Illing Address CHAL GRID NY SE4.	12.208 \$ 6	Generator's Site Addre	ess (if different	t than mailing ad	drass)	EOTPAROS
	CAE	METROTECH CENTER	4 27 2013	Be letter.	.Fjh		Jiosa _j	
	50.00	ONLYN, WE 11214	22	2 - 201 MAS AND	in energy.	15		25
	Generator's Phone: 712.0 6. Transporter 1 Company Na.	DEPLEARE		The field (1991 1991 199	[B] +10			
				ا سوامون		U.S. EPA II	O Number	
	7. Transporter 2 Company Na	a shaqiya a nafaa aan saasaran qaasa aankarraan saasaa saasa saasa Ame	nonnecognitudes comments expelliperations amount experiment have not	Advance or Security of Assessment existences	lary analysistants . Anti-morphis	the steel, the distribution and shows the	Tr. 1981 Into their procession	and along the developming it, i.e., with short different be a
						U.S. EPA II) Number	(f
	8. Designated Facility Name a	and Site Address	1					
		BAYSHORE SOLL	Selection an			U.S. EPA II) Number	
		75 ORDIVES MILL RO	CAD					Mich. Ecop. 1 op Morrow
	Facility's Phone:	KEASBEY, NG 0881	32			1 ,		
1	Cabin's C			10. Con	tainare	T	T T	
1	9. Waste Shipping Nam	e and Description		No.	Type	11. Total Quantity	12. Unit Wt./Vol.	
1	1			110.	Тура	Guanuty	VVL/VOI.	
GENERATOR	MOR COALTA	F CONTAINNATED SON.			In sin	A Late	V-Mistoria	
ER/	NOT DUT NOT	TRUKA.		8 48 1	DT	1.3		
XEN.	2.				+			
i								
				×				
	3.					A A III	-	
					1			
	4.				+		+	
	13. Special Handling Instructions							
	14. GENERATOR'S/OFFEROR' marked and labeled/placarde Generator's/Offeror's Printed/Typ	"S CERTIFICATION: I hereby declare the ed, and are in all respects in proper control Name	to applica	DIE INTENIAUONAL AND NAU	scribed above	by the proper sh ental regulations	ilpping name, a	and are classified, packaged,
V۱	DOMALD			nature	16			Month Day Year
-	15. International Shipments	P CAMPE		THAT !	(c.f.	tel		
Z	Transporter Signature (for export	Import to U.S.	Export from U.			-		
_	16. Transporter Acknowledgment	s only). It of Receipt of Materials		Date leavi	ing U.S.:			
	Transporter 1 Printed/Typed Nam		Sign	ature				
					Sitter of progress of			Month Day Year
	Transporter 2 Printed/Typed Nam	ле /	Signi	ature		and Changes of Street		Marth Day Year
	1211	lux of in		January P. Sajaran	and article			Month Day Year
	17. Discrepancy	A STATE OF THE PARTY OF THE PAR		- Legendrie				11 12 1
	17a. Discrepancy Indication Space	ж По			-			
		L_I Quantity	Туре	Residue		Partial Reje	ection	Full Rejection
L	· _ •			Manifest Deference N				
	17b. Alternate Facility (or Generat	tor)		Manifest Reference N	umber:	U.S. EPA ID N	lumber	
						0,0, El n 12 1	IUIIIDEI	/
П	Facility's Phone:	45				I		
1	17c. Signature of Alternate Facility	y (or Generator)				<u> </u>		Month Day Vons
L			1					Month Day Year
					- SSE			
1	0.0.1.1.15.00.0							
L.	8. Designated Facility Owner or C	Operator: Certification of receipt of mate	Frials covered by the manifest except a	s noted in Item 17a				
F	8. Designated Facility Owner or C Printed/Typed Name	Operator: Certification of receipt of mate						Month Day
F	8. Designated Facility Owner or (rinted/Typed Name	Operator: Certification of receipt of mate	erials covered by the manifest except a Signal					Month Day Year

1	NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number		2. Page 1 of	3. Emergency Respo	onse Phone	4. Waste	Tracking Nu	Imber 04	.34258
	ONE M	HAL GRID NY HETROTECH CENTER KLYN, NY 11211	-22-2015		Generator's Site Addi	anus Thin 使相	I Tun	ldress)	In O J.	. 042.00
	6. Transporter 1 Company Nam		rationaleur parametris-en en procumentem	alien southern allege man exempts there are	-		U.S. EPA I	D Number		
					The second of th	transidrans () od karlji o vojge	U.S. EPA II	D Number	to garage	7
	Designated Facility Name an Facility's Phone:	d Site Address EA - RHORE SOIL 75 CROWD MILL YEAGREY, NO DE	THE GOVERN	- India		-	U.S. EPA II		(1) (2) (3) (3) (3) (3) (3) (3) (3) (3) (3) (3	In 4
Ш	9. Waste Shipping Name	and Description				ntainers	11. Total	12. Unit		
E I	1.				No.	Туре	Quantity	Wt./Vol.		
GENERATOR	MOT DOT NOT	Contambated sul Edra			() <u>6</u> . 1	DT	2			
Ĭ	3.									
	3.									
	4.									
$\ \cdot\ $	13. Special Handling Instructions					1		1 1		
Ш		and Additional Information								
		755M25					~			1
1	14. GENERATOR'S/OFFEROR'S marked and labeled/placarded	CERTIFICATION: I hereby declare, and are in all respects in proper co		consignment are foording to applicable	illy and accurately des	scribed above	by the proper shi	ipping name,	and are classifie	ed, packaged,
1	14. GENERATOR'S/OFFEROR'S marked and labeled/placarded Generator's/Offeror's Printed/Type	CERTIFICATION: I hereby declare, and are in all respects in proper or d Name	that the contents of this ondition for transport according to the condition of the condition for transport according to the condition of the c	consignment are froording to applicable Signate	THE PROPERTY OF THE PARTY	scribed above	iental regulations.	-		
1 INT. I	14. GENERATOR'S/OFFEROR'S marked and labeled/placarded, Generator's/Offeror's Printed/Type 5. International Shipments Transporter Signature (for exports)	CERTIFICATION: I hereby declare, and are in all respects in proper or d Name Import to U.S.	that the contents of this ondition for transport according to the condition of the condition for transport according to the condition of the c	9	Port of en	try/exit:	iental regulations.	-		
1 1 1 T	14. GENERATOR'S/OFFEROR'S marked and labeled/placarded, Generator's/Offeror's Printed/Type	CERTIFICATION: I hereby declare, and are in all respects in proper or d Name Import to U.S. only):	that the contents of this ondition for transport according to the condition of the condition for transport according to the condition of the c	Signati	Port of en	try/exit:	iental regulations.	-		
1 1 1 T	Generator's/Offeror's Printed/Type Senerator's/Offeror's Printed/Type 5. International Shipments Fransporter Signature (for exports 6. Transporter Acknowledgment of transporter 1 Printed/Typed Name	CERTIFICATION: I hereby declare, and are in all respects in proper or d Name Import to U.S. only): If Receipt of Materials	that the contents of this ondition for transport according to the condition of the condition for transport according to the condition of the c	Signati	Port of en	try/exit:	iental regulations.	-		
1 1 1 T	14. GENERATOR'S/OFFEROR'S marked and labeled/placarded Generator's/Offeror's Printed/Type 5. International Shipments fransporter Signature (for exports 6. Transporter Acknowledgment of ransporter 1 Printed/Typed Name	CERTIFICATION: I hereby declare, and are in all respects in proper or d Name Import to U.S. only): If Receipt of Materials	that the contents of this ondition for transport according to the condition of the condition for transport according to the condition of the c	Signati	Port of en Date leaving	try/exit:	iental regulations.	-	Month	Day Year
TRANSPORTER INT'L 4	14. GENERATOR'S/OFFEROR'S marked and labeled/placarded, Generator's/Offeror's Printed/Type 5. International Shipments fransporter Signature (for exports of the control of	CERTIFICATION: I hereby declare, and are in all respects in proper or d Name Import to U.S. only): If Receipt of Materials	that the contents of this ondition for transport according to the condition of the condition for transport according to the condition of the c	Signate Export from U.S. Signatu	Port of en Date leaving	try/exit:	iental regulations.	-	Month	Day Year
TRANSPORTER INT'L 4	14. GENERATOR'S/OFFEROR'S marked and labeled/placarded Generator's/Offeror's Printed/Type 5. International Shipments 'ransporter Signature (for exports 6. Transporter Acknowledgment o 'ransporter 1 Printed/Typed Name ransporter 2 Printed/Typed Name	CERTIFICATION: I hereby declare, and are in all respects in proper or d Name Import to U.S. only): If Receipt of Materials	that the contents of this ondition for transport according to the condition of the condition for transport according to the condition of the c	Signate Export from U.S. Signatu	Port of en Date leaving	try/exit:	iental regulations.	2. E. C.	Month Month Month	Day Year
TRANSPORTER INTL	14. GENERATOR'S/OFFEROR'S marked and labeled/placarded, Generator's/Offeror's Printed/Type 5. International Shipments fransporter Signature (for exports of the control of	CERTIFICATION: I hereby declare, and are in all respects in proper or d Name Import to U.S. only): If Receipt of Materials Quantity	that the contents of this condition for transport according to the contents of the condition for transport according to the condition for transport according to the contents of the contents	Signate Signatu	Port of en Date leavi	try/exit:ing U.S.:	Partial Reject	2.6.1	Month Month Month	Day Year Day Year
FACILITY TRANSPORTER INTL 11 11 11 11 11 11 11 11 11 11 11 11 11	14. GENERATOR'S/OFFEROR'S marked and labeled/placarded Generator's/Offeror's Printed/Type 5. International Shipments fransporter Signature (for exports 6. Transporter Acknowledgment of transporter 1 Printed/Typed Name ransporter 2 Printed/Typed Name 7. Discrepancy Indication Space 7. Discrepancy Indication Space 7. Alternate Facility (or Generator cility's Phone:	CERTIFICATION: I hereby declare, and are in all respects in proper or d Name Import to U.S. only): If Receipt of Materials Quantity	that the contents of this condition for transport according to the contents of the condition for transport according to the condition for transport according to the contents of the contents	Signatu	Port of en Date leaving	try/exit:ing U.S.:	ienia regiginions.	2.6.1	Month Month Month	Day Year Day Year
FACILITY TRANSPORTER INTL 11 11 11 11 11 11 11 11 11 11 11 11 11	14. GENERATOR'S/OFFEROR'S marked and labeled/placarded Generator's/Offeror's Printed/Type 5. International Shipments ransporter Signature (for exports 6. Transporter 1 Printed/Typed Name ransporter 2 Printed/Typed Name ransporter 2 Printed/Typed Name 7. Discrepancy Indication Space 7. Discrepancy Indication Space 7. Alternate Facility (or Generator	CERTIFICATION: I hereby declare, and are in all respects in proper or d Name Import to U.S. only): If Receipt of Materials Quantity	that the contents of this condition for transport according to the contents of the condition for transport according to the condition for transport according to the contents of the contents	Signatu	Port of en Date leaving	try/exit:ing U.S.:	Partial Reject	2.6.1	Month Month Month	Day Year Day Year
THANSPORTER INT. 11 11 11 11 11 11 11 11 11 11 11 11 11	14. GENERATOR'S/OFFEROR'S marked and labeled/placarded, Generator's/Offeror's Printed/Type 5. International Shipments fransporter Signature (for exports 6. Transporter Acknowledgment of fransporter 1 Printed/Typed Name ransporter 2 Printed/Typed Name ransporter 3 Printed/Typed Name ransporter 5 Printed/Typed Name ransporter 6 Printed/Typed Name ransporter 7 Printed/Typed Name ransporter 8 Printed/Typed Name ransporter 9 Printed/Typed Name ran	CERTIFICATION: I hereby declare, and are in all respects in proper or d Name Import to U.S. only): If Receipt of Materials Quantity Or Generator)	that the contents of this podition for transport according to the second	Signate Signatu	Port of en Date leave	try/exit:ing U.S.:	Partial Reject	2.6.1	Month Month Month	Day Year Day Year Ull Rejection
TRANSPORTER INT. 11 11 11 11 11 11 11 11 11 11 11 11 11	14. GENERATOR'S/OFFEROR'S marked and labeled/placarded, Generator's/Offeror's Printed/Type 5. International Shipments fransporter Signature (for exports 6. Transporter Acknowledgment of fransporter 1 Printed/Typed Name ransporter 2 Printed/Typed Name ransporter 3 Printed/Typed Name ransporter 5 Printed/Typed Name ransporter 6 Printed/Typed Name ransporter 7 Printed/Typed Name ransporter 8 Printed/Typed Name ransporter 9 Printed/Typed Name ran	CERTIFICATION: I hereby declare, and are in all respects in proper or d Name Import to U.S. only): If Receipt of Materials Quantity	that the contents of this podition for transport according to the second	Signate Signatu	Port of en Date leavere Residue Manifest Reference N	try/exit:ing U.S.:	Partial Reject	2.6.1	Month Month Month	Day Year Day Year Ull Rejection

Please type or print. NON-HAZARDOUS 1. Generator's US EPA ID No Manifest Doc No. 2 Page 1 of WASTE MANIFEST 3 Generator's Name and Mailing Address 1 National Grid NY National Grid Former Equity MGP Site One Metrotech Center 254 Maspeth Ave Brooklyn, NY 11201 Brooklyn, NY 11211 4. Generator's Telephone Number (718) 963-5453 5. Transporter 1 (Company Name) 6 US EPA ID Number B. State Transporter's ID 2A-531 William J. Lauer Corp. NYR000157644 7 Transporter 2 (Company Name) C. Transporter 1 Telephone (718 981-8500 8 US EPA ID Number D. State Transporter's ID E. Transporter 2 Telephone (9. Designated Facility Name and Site Address 10. US EPA ID Number F. State Facility ID Clean Water Of New York, Inc. 3249 Richmond Terrace G. Facility Telephone (718) 981-4600 Staten Island, NY 10303 NY0000968545 11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number 12. Containers 13. Total 14. Unit Number Type Quantity Wt / Vol NON RCRA NON DOT REGULATED LIQUIDS H. Waste No. **EPA** N018 (cocy STATE GENERATOR EPA STATE **EPA** STATE **EPA** I. Additional Description for Materials listed Above STATE J. Handling Codes for Wastes Listed Above 1022-001 - Development Water a. Ċ. a С 15. Special Handling Instructions and Additional Information b. d 24 Hour Emergency Telephone # 877 319-0800 Y'016-55 P.O. # 16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects 7278 in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations Printed/Typed Name Signature Year Day Acknowledgement of Receipt of Materials Signature Day Printed/Typed Name Signature Day Year 19. Discrepancy Indication Space **FACILITY** 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Signature Day Year

NON-HAZARDOUS WASTE MANIFEST Please type or print. 1 Generator's US EPA ID No. **NON-HAZARDOUS** Manifest Doc. No. 2. Page 1 of **WASTE MANIFEST** R 0 0 0 8-4-1-8-4 1 3 Generator's Name and Mailing Address National Grid NY National Grid Former Equity MGP Site One Metrotech Center 254 Maspeth Ave Brooklyn, NY 11201 Brooklyn, NY 11211 4. Generator's Telephone Number (718) 963-5453 5. Transporter 1 (Company Name) 6. US EPA ID Number B. State Transporter's ID 2A-531 William J. Lauer Corp. NYR000157644 C. Transporter 1 Telephone (718) 981-8500 7. Transporter 2 (Company Name) 8. US EPA ID Number D. State Transporter's ID E. Transporter 2 Telephone (9. Designated Facility Name and Site Address 10. US EPA ID Number F State Facility ID Clean Water Of New York, Inc. 3249 Richmond Terrace G Facility Telephone (718) 981-4600 Staten Island, NY 10303 NY0000968545 11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number 12. Containers 13. Total 14. Unit Number Type Wt / Vol Quantity H. Waste No. NON RCRA NON DOT REGULATED LIQUIDS N018 STATE GENERATOR **EPA** STATE **EPA** STATE FPA STATE I. Additional Description for Materials listed Above J. Handling Codes for Wastes Listed Above 1022-001 - Development Water а C a. d h d 15. Special Handling Instructions and Additional Information 24 Hour Emergency Telephone # 877 319-0800 P.O. # 7278 16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations. Printed/Typed Name Signature Mo Day Year NAID 17 Transporter 1 Acknowledgement of Receipt of Materials **FRANSPORTER** Printed/Typed Name Signature Year 18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Signature Day 19. Discrepancy Indication Space

GENERATOR'S COPY

Mo

Day

Year

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Signature

Printed/Typed Name

	ASTE MANIFEST nerator's Name and Mailin	2713-284			3. Emergency Res		4. Was	te Tracking	Number E O 1	2At
	MATION	VAL GRID NY 4-22-201	13	16	Generator's Site Ad	dress (if differ	ent than mailing a	address)	E V.	1046
11	ONE MI	ETROTECH CENTER	· d	1-77.2015	Lared Mesel	ASSESSED.		·		
Genera	AUTS PHONE:	COM, NV 11211		1	BROOKLY	u. ny 112	HVE H 1			
o. Iran	isponer i Company Name	9				-		ID Number		
7. Tran	sporter 2 Company Name	the same of the sa	and a standard and a second	frame anymospheric	an formaliseirus propula quega e relitares parer			ID MUMBER		
LNi	ckalntly	S DT Den	1.10				U.S. EPA	ID Number		1
8. Desig	gnated Facility Name and	Site Address					for 1	180	90	1
		EPIRHOPE TOU ME	CONCERNIO.	ing-			U.S. EPA	ID Number	1225 H 1521	
Facility's	Phone:	75 OROWS MILL RO- KEASSEY, N. DESEZ	CD:						A.M.	
	. Waste Shipping Name a	TOOL								
		und Description			10. Co	ntainers	11. Total	12. Unit		
1.	*			_	NO.	Туре	Quantity	Wt./Vol.		
	NOTOT ADER	CONTANTIFIED SCIL			THE	1	ZIT.	1		
2.		the first of the second of the			VOI	N	33	IN		
										-
3.										
3.					-		-			
4.										
										-
					1			1 1		
13. Specia	Handling Instructions and	d Additional Information			the second					
		1936 271 - 2	184							
14. GENER marked	ATOR'S/OFFEROR'S CE and labeled/placarded, an			signment are fully 0 to anniiങ്ങില് in	and accurately des	cribed above l	by the proper ship	oping name,	and are classifier	I Dackaged
1	7)	ERTIFICATION: I hereby declare that the condition of the		signment are fully g to applicable in Signature	and accurately des	cribed above I	by the proper ship antal regulations.	oping name,		
Davi	ATOR'S/OFFEROR'S CE and labeled/placarded, an /Offeror's Printed/Typed N	ERTIFICATION: I hereby declare that the dare in all respects in proper condition name		signment are fully g to applicable in Signature	and accurately des	cribed above i	by the proper ship intel regulations.		Month	Day Y
15. Internation	onal Shipments [ERTIFICATION: I hereby declare that the dare in all respects in proper condition larne Import to U.S.	he contents of this cons n for transport accordin	signment are fully g to applicable in Signature port from U.S.	100	1/6				
15. Internation Fransporter : 6. Transpor	onal Shipments [Signature (for exports only ter Acknowledgment of Re	ERTIFICATION: I hereby declare that the dare in all respects in proper condition larne Import to U.S.	he contents of this cons n for transport accordin	Signature	ald 1	ry/exit:			Month	Day Y
15. Internation Fransporter : 6. Transpor	onal Shipments [ERTIFICATION: I hereby declare that the dare in all respects in proper condition larne Import to U.S.	he contents of this cons n for transport accordin	Signature	Port of ent	ry/exit:			Month O ^L	Day Y
15. Internation fransporter 6. Transporter fransporter	onal Shipments [Signature (for exports only ter Acknowledgment of Ref Printed/Typed Name	ERTIFICATION: I hereby declare that the dare in all respects in proper condition larne Import to U.S.	he contents of this cons n for transport accordin	Signature Signature	Port of ent	ry/exit:			Month O ^L	Day Y
Fansporter 6. Transporter fransporter	onal Shipments [Signature (for exports only ter Acknowledgment of Re	ERTIFICATION: I hereby declare that the dare in all respects in proper condition larne Import to U.S. Import of Materials	he contents of this cons n for transport accordin	Signature port from U.S.	Port of ent	ry/exit:			Month O L	Day Y
15. International fransporter of the second fransporter of the second fransporter 2 fr	Signature (for exports only ter Acknowledgment of Re Printed/Typed Name	ERTIFICATION: I hereby declare that the dare in all respects in proper condition larne Import to U.S.	he contents of this cons n for transport accordin	Signature Signature	Port of ent	ry/exit:			Month O L	Day Y
15. Internation	Signature (for exports only ter Acknowledgment of Ref Printed/Typed Name	ERTIFICATION: I hereby declare that the dare in all respects in proper condition warms Import to U.S. y): eccept of Materials	he contents of this cons n for transport accordin	Signature Signature Signature	Port of ent Date leavin	ry/exit:			Month O L	Day Y
15. International formation of the control of the c	Signature (for exports only ter Acknowledgment of Re Printed/Typed Name	ERTIFICATION: I hereby declare that the dare in all respects in proper condition larne Import to U.S. Import of Materials	he contents of this cons n for transport accordin	Signature Signature Signature	Port of ent	ry/exit:		The section of the se	Month O - Month Month	Day Y
7. Discrepan 7. Discrepan 7. Discrepan 7. Discrepan 7. Discrepan 7. Discrepan	Signature (for exports only ter Acknowledgment of Ref Printed/Typed Name Printed/Typed Name	ERTIFICATION: I hereby declare that the dare in all respects in proper condition warms Import to U.S. y): eccept of Materials	he contents of this cons n for transport accordin	Signature Signature Signature	Port of ent Date leavin	ry/exit: ng U.S.:	gob let	The section of the se	Month O - Month Month	Day Y
7. Discrepan 7. Discrepan 7. Discrepan 7. Discrepan 7. Discrepan 7. Discrepan	Signature (for exports only ter Acknowledgment of Re Printed/Typed Name	ERTIFICATION: I hereby declare that the dare in all respects in proper condition warms Import to U.S. y): eccept of Materials	he contents of this cons n for transport accordin	Signature Signature Signature	Port of ent Date leavin	ry/exit: ng U.S.:	Partial Rejecti	ion	Month O - Month Month	Day Y
15. International fransporter 2 6. Transporter 2 7. Discrepana 7a. Discrepana 7a. Discrepana 7b. Alternate	Signature (for exports only ter Acknowledgment of Ref Printed/Typed Name Printed/Typed Name Cyuncy Indication Space Facility (or Generator)	ERTIFICATION: I hereby declare that the dare in all respects in proper condition warms Import to U.S. y): eccept of Materials	he contents of this cons n for transport accordin	Signature Signature Signature	Port of ent Date leavin	ry/exit: ng U.S.:	gob let	ion	Month O - Month Month	Day Y
15. International fransporter 2 6. Transporter 2 7. Discrepand 7a. Discrepand 7b. Alternate 6b. Alternate 6cility's Phon	Signature (for exports only ter Acknowledgment of Ref Printed/Typed Name Printed/Typed Name Cyuncy Indication Space Facility (or Generator)	ERTIFICATION: I hereby declare that the dare in all respects in proper condition larme Import to U.S. y): ecclipt of Materials Quantity	he contents of this cons n for transport accordin	Signature Signature Signature	Port of ent Date leavin	ry/exit: ng U.S.:	Partial Rejecti	ion	Month O - Month Month	Day Y
15. International Internationa	Signature (for exports only ter Acknowledgment of Ref Printed/Typed Name Printed/Typed Name Cyuncy Indication Space Facility (or Generator)	ERTIFICATION: I hereby declare that the dare in all respects in proper condition larme Import to U.S. y): ecclipt of Materials Quantity	he contents of this cons n for transport accordin	Signature Signature Signature	Port of ent Date leavin	ry/exit: ng U.S.:	Partial Rejecti	ion	Month O - Month Month	Day Ye Page 1
15. International Internationa	Signature (for exports only ter Acknowledgment of Ref Printed/Typed Name Printed/Typed Name Cyuncy Indication Space Facility (or Generator)	ERTIFICATION: I hereby declare that the dare in all respects in proper condition larme Import to U.S. y): ecclipt of Materials Quantity	he contents of this cons n for transport accordin	Signature Signature Signature	Port of ent Date leavin	ry/exit: ng U.S.:	Partial Rejecti	ion	Month O - Month Month	Day Y
15. International fransporter 2 6. Transporter 2 7. Discrepand 7a. Discrepand 7b. Alternate 6b. Alternate 6cility's Phon	Signature (for exports only ter Acknowledgment of Ref Printed/Typed Name Printed/Typed Name Cyuncy Indication Space Facility (or Generator)	ERTIFICATION: I hereby declare that the dare in all respects in proper condition larme Import to U.S. y): ecclipt of Materials Quantity	he contents of this cons n for transport accordin	Signature Signature Signature	Port of ent Date leavin	ry/exit: ng U.S.:	Partial Rejecti	ion	Month O - Month Month	Day Ye Page 1
15. International fransporter (a. Transporter 2) fransporter 2 7. Discrepana 7a. Discrepana 7b. Alternate (cility's Phon c. Signature	Signature (for exports only ter Acknowledgment of Ref Printed/Typed Name Printed/Typed Name Printed/Typed Name Cy Incy Indication Space Facility (or Generator) B: Of Alternate Facility (or Generator)	ERTIFICATION: I hereby declare that the dare in all respects in proper condition larme Import to U.S. y): eccept of Materials Quantity	he contents of this cons n for transport according Exp	Signature Signature Signature Man	Port of ent Date leaving	ry/exit: ng U.S.:	Partial Rejecti	ion	Month O - Month Month	Day Ye Page 1
15. International fransporter (a. Transporter 2) Transporter 27. Discrepand (a. Discrepand b. Alternate b. Alternate cility's Phon (b. Signature)	Signature (for exports only ter Acknowledgment of Ref Printed/Typed Name Printed/Typed Name Printed/Typed Name Cy Incy Indication Space Facility (or Generator) B: Of Alternate Facility (or Generator)	ERTIFICATION: I hereby declare that the dare in all respects in proper condition larme Import to U.S. y): ecclipt of Materials Quantity	he contents of this cons n for transport according Exp	Signature Signature Signature Man	Port of ent Date leaving	ry/exit: ng U.S.:	Partial Rejecti	ion	Month O - Month Month	Day Ye Page 1

1	1	NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number		2. Page 1 of	3. Emergency Respor	ise Phone	4. Waste	Tracking Num	ber F 0 1	34	262
			NAT GRID NY 4-Z2-Z	0/3 4	53 x00	Generator's Site Address NA 12 25 145PET EFF CORLYN.	HAZENU	Print	dress)	No Wall	* W TE	Come Not Som
	6	Transporter 1 Company-Nam Transporter 2 Company Nam	6 4 4 miles	The first of the same of the same of	malana an anna an an		421 372-4	U.S. EPA I	D Number			
	1	Designated Facility Name and	DET 01398	410				U.S. EPA I				
	Fa	ucility's Phone:	EANSHOPE BOIL 76 CROWS MILL F KEASHEY NO OS	704.0	našu.			0.3. EFA II	t t	3/ +		
		9. Waste Shipping Name				10. Con	tainers Type	11. Total Quantity	12. Unit Wt./Vol.		;	
GENERATOR -		MGP COAL TAR	CONTAMINATED SOIL			100	1 June	ろう E. キ・	TN			
		3.										
		4. Special Handling Instructions										
	14.	GENERATOR'S/OFFEROR'S marked and labeled/placarded	CERTIFICATION: I hereby declare	that the contents of this	consignment are	ully and accurately des	cribed above	by the proper sh	ipping name, an	nd are classif	ed, pack	aged,
1	Ger	nerator's/Offeror's Printed/Type	CAMPISELL		Signat		Onal governm	a Rad	1	Month	Day 29	Year
INT	Trai	International Shipments Desporter Signature (for exports	Import to U.S. only):		Export from U.S			7-020				
RTER	16.	Transporter Acknowledgment of sporter 1 Printed/Typed Name	of Receipt of Materials		Signat		ing O.O.			Month	Davi	Year
TRANSPORTER	Tran	sporter 2 Printed/Typed Name	in the state of the	Forest Commence of Commence and Commence of Commence o	Signati	reduceren ji gang semenghilipin gank funksisingkilan silah 35 sebankangkanya, ng	and the commence of the commen	The second secon	and return to the second	Month	Day Day	Year
^		Discrepancy Discrepancy Indication Space	Quantity	Туре		Residue		Partial Reje	ction		ull Rejec	tion
 <u> </u>	17b.	Alternate Facility (or Generato)r)			Manifest Reference N	umber:	U.S. EPA ID N				
ED FACIL		ity's Phone: Signature of Alternate Facility	(or Generator)									
DESIGNATED FACILITY								7		Month	Day	Year
	18. D	esignated Facility Owner or O	perator: Certification of receipt of ma	terials covered by the ma	nifest except as	noted in Item 17a	W.					
,	Printe	d/Typed Name			Signatu					Month	Day	Year

	1	NON-HAZARDOUS WASTE MANIFEST 1. Generator ID Number 27/3-264	2. Page 1 of	3. Emergency Respo	onse Phone	4. Waste	Tracking N	umber
	П	5. Generator's Name and Mailling Address INSTITUTE OF THE PROPERTY OF THE PROP	CO	Generator's Site Add	ress (if differe	nt than mailing as	Idraes)	E0134261
	П	NATIONAL GRID NY 72-20E ONE METROTECH CENTER 4	-22 2013	R. HEROTER	D D		iuress)	
	П	RECOVERN DEC. 44046	22	2.25. FORFE	H4. E	- K		
	Ш	Generator's Phone:		OPOTFLYN	1 At 1 1.			
	П	a manager recovery front a consequence of parameters and the second of t	and the same	At 9		U.S. EPA	D Number	
	Ш	7. Transporter 2 Company Name	The state of the s			U.S. EPA I	D. Marris	
	П	Nickabellas DUT 2036648	3			0.3. EPA 1	D Number	
		8. Designated Facility Name and Site Address				U.S. EPA I		
	1	EAVESTIEE BUIL MANAGEMENT L 75 GROWS MILL ROAD	interpt				. 1011	08001852
	ı	Facility's Phone: KEASBEY, N.: 08832				1		
	ı	9. Waste Shipping Name and Description	<u> </u>	10. Cor	ntainers	14.	1	
H		1.		No.	Туре	11. Total Quantity	12. Unit Wt./Vol.	
1	GENERATOR				,	7.44.	-	
	ERA.	MGP COAL TAP CONTAMINATED SCH. MOTOCT NOTECRA		00	DT	45	TN	
	N N	2.				<u> </u>	1	
	Ĭ				1		1	
1.9	Н	3.						
	П							
	Ш							
		4.						
ı	П							
ı		13: Special Handling Instructions and Additional Information						
		BSM 2713-284						
П	L					• •		
Ш		4. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this c marked and labeled/placarded, and are in all respects in proper condition for transport accor generator's/Offeror's Printed/Typed Name	consignment are f	ully and accurately des	cribed above	by the proper ship	ping name, a	Ind are classified, packaged
Ш	9	deliefator s/Offeror's Printed/Typed Name	Signat		onal governme	ental regulations.		
V	١,	DONALD P CAMPELL	14	all H	Ca	engl Ber	d	Month Day Year
I.L	1	5. International Shipments Import to U.S.	Export from U.S.	Port of ent		1		خاللالا
		ransporter Signature (for exports only): 6. Transporter Acknowledgment of Receipt of Materials		Date leavir	ng U.S.:			
TRANSPORTER		ransporter 1 Printed/Typed Name	Signatu	ıre				
SP	L	and the first state of the stat	i na prisidan - vigan a familiada sis aggun alian	and the second s	t to seeming out on the seed of the seed o	alog g. v. i liggar i riliyahadan kalilin virilahadi.		Month Day Year
RA	ď	ansporter 2 Printed/Typed Name	Signatu	re);=		Month Day Year
<u>-</u>	17	Discrepancy	4.4					1 / 1 / 1
Ť		a. Discrepancy Indication Space		· manager · · ·	10 - 1			
ľ		Quantity Type		Residue	ĺ	Partial Rejec	tion	Full Rejection
	17	Allered F. W.		Manifest Reference Nu	mhas			<u> </u>
	17	b. Alternate Facility (or Generator)		ricialetice NU	muer:	U.S. EPA ID Nu	mber	
Ā	Fa	cility's Phone:						
		c. Signature of Alternate Facility (or Generator)						
AN		· ·	I					Month Day Year
DESIGNA								
1	18.	Designated Facility Owner or Operator Confidential						
1	Prin	Designated Facility Owner or Operator: Certification of receipt of materials covered by the mani ted/Typed Name						
1			Signature Į					Month Day Year
:0	DI.	C-O F 11077 (D 0/00)] []

	A	NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number		2. Page 1 of	3. Emergency Resp	onse Phone	4. Waste	e Tracking Nu	E0134	106/
Manager St. St.		ONE M Generator's Phone:	ng Address PETFOTEON DENT E CLYN, NY 11211	E4-22-2013		or markages	larsi A	F.	ddress)	to, Opt. OP	<u> </u>
1		Transporter 1 Company Nam Transporter 2 Company Nam	9	y y managa an ang ang ang ang ang ang ang ang	Transportation representation of the second	The state of the		U.S. EPA			
		8. Designated Facility Name and		Tidhas A D.C. To the control of the				U.S. EPA I	D Number		
		Facility's Phone:	77 CERRY S FEASETY		Speelings 9: 9					Part of The	
		Waste Shipping Name 1.	and Description	200		10. Co	ntainers Type	11. Total Quantity	12. Unit Wt./Vol.	_	
	GENERALON		TTHE AND STED S	Athe		ool	DT	33	TN		
	3	3.									
		4.									
		3. Special Handling Instructions	and Additional laters at a								
	10	4 GENERATOR'S/OFFEDOR'S		11/1 271 5 CA2							
	G	 GENERATOR'S/OFFEROR'S marked and labeled/placarded, enerator's/Offeror's Printed/Type 	and are in all respects in p	oroper condition for transport acc		A	scribed above tional government	by the proper shantal regulations.	ipping name, a	nd are classified, pack	kaged,
INT'L A	15	i. International Shipments	Import to U.S.	ELL	Signat	Grale	1:1	0 21	Ell	Month Day	Year
_	16	ansporter Signature (for exports Transporter Acknowledgment o	only): f Receipt of Materials			Port of e	-				
PORT	Tr	ansporter 1 Printed/Typed Name	e mai de fina - pri ni de prostitutationale par ji dinde e i disembly e	والمنافذ والمنافضة والمنافضة فالأخاج فالمنافذ المائم فالمنافض والمنافض والمامان والمنافذة	Signati			Whiten ple, was a		Month Day	Year
▼ TRANSPORTER	1	ansporter 2 Printed/Typed Name	1. 1.3	10204.	Signatu	Til.	J.d.	1.6.	A CONTRACTOR OF THE PROPERTY O	Month Day	Year
Ĩ	17	a. Discrepancy Indication Space	Quantity	Туре	N.ba	Residue		Partial Reje	ction	Full Rejec	ction
CILITY		o. Alternate Facility (or Generator) 3.			Manifest Reference N	lumber:	U.S. EPA ID N	umber		-
3		cility's Phone: . Signature of Alternate Facility (i	or Generator)		-						
DESIGNA		45 Karkonia							<u> </u>	Month Day	Year
,	18. Prin	Designated Facility Owner or Op- ted/Typed Name	erator: Certification of recei	ot of materials covered by the ma	anifest except as r Signatur			255		Month Day	Year
_	DI.	C O E 44077 /D								1 1 1	

1	NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number		2. Page 1 of 3.	. Emergency Respo	onse Phone	4. Waste	Tracking Num	E0134	1285
	ONE N EROO Generator's Phone:	METROTEC STITES METROTEC STITES MELYN IV 112	2-2013	722013	enerator's Site Addr NATIONAL C 254 NASPE ROOK AT	grid Trissicia	et -	dress)	Gree We address	To these they they
	6. Transporter 1 Company Nán	ne					U.S. EPA I	D Number		A-scotter and a
	7. Transporter 2 Company Nam	ne			11 5	-	U.S. EPA II	O Number		u u
	8. Designated Facility Name an	nd Site Address	2 4 4 . month of the first of		It C		U.S. EPA II		Marie D	1
	Facility's Phone:	76 0 0 48 Mill. F	FOAT	5.0			Ī	****	The Parties of the Control of the Co	
	9. Waste Shipping Name	3 0000	A was		10. Cor	ntainers Type	11. Total Quantity	12. Unit Wt./Vol.		
GENERATOR -	THE COLD THE	COMTRAGRATAS)			call	[]	i. i.	190,007		
GENE	2.	Kilipi w			-					
	3.									
	4.									
	13. Special Handling Instructions	and Additional Information								
	•	654 100	71 3- 23 64							
	14 OFFICE ATODISINEEEDODIS									
	14. GENERATOR'S/OFFEROR'S marked and labeled/placarded Generator's/Offeror's Printed/Type	S CERTIFICATION: I hereby declare d, and are in all respects in proper co ed Name	that the contents of this co ondition for transport accord	uing to applicable i	international and na	escribed above ational governm	by the proper shental regulations	ipping name, a		ickaged,
V	PONAUD P	CAMPBE	<u></u>	Signaturi	transfel de	PH	Cons	All	Month Da	ay Year
F	15. International Shipments Transporter Signature (for exports		E	Export from U.S.		entry/exit:				
TRANSPORTER	16. Transporter Acknowledgment Transporter 1 Printed/Typed Name			Signature		Ving Cio.		=======================================	Month Do	Vaca
NSPO	Transporter 2 Printed/Typed Name	44 C - 4 C -			10000				Month Da	y Year
HA	11111		an A	Signature					Month Da	y Year
^	17. Discrepancy 17a. Discrepancy Indication Space	Quantity	Туре		Residue		Partial Rej	ection	Full Re	election
Ц					Manifest Reference I	Number:	-			neoue
F]	17b. Alternate Facility (or Generato	or)				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	U.S. EPA ID I	Number		
D FAC	Facility's Phone: 17c. Signature of Alternate Facility	7						<u>.</u>		
DESIGNALED FACILITY	17c. Signature of Alternate Facility	(or Generator)					Į.		Month Day	y Year
- DESIG										
	18. Designated Facility Owner or O	perator: Certification of receipt of ma	aterials covered by the man	nifest except as no	ited in Item 17a					
,	Printed/Typed Name			Signature					Month Day	/ Year

NON-HAZARDOUS WASTE MANIFEST Please type or print. 1. Generator's US EPA ID No. Manifest Doc. No. 2 Page 1 of **NON-HAZARDOUS** XI-11- 2013 **WASTE MANIFEST** 8 4 23060 1 3. Generator's Name and Mailing Address National Grid NY National Grid Former Equity MGP Site One Metrotech Center 254 Maspeth Ave Brooklyn, NY 11201 Brooklyn, NY 11211 4. Generator's Telephone Number (718) 963-5453 5. Transporter 1 (Company Name) B. State Transporter's ID US EPA ID William J. Lauer Corp. NEX 18:000 0 1 5 7 6 4 4 C. Transporter 1 Telephone (2981-8500 7. Transporter 2 (Company Name) 8. US EPA ID Number D. State Transporter's ID wers Corp Ca81 586-5400 E. Transporter 2 Telephone (9. Designated Facility Name and Site Address 10. US EPA ID Number F. State Facility ID Clean Water Of New York, Inc. 3249 Richmond Terrace G. Facility Telephone (718) 981-4600 Staten Island, NY 10303 NY0000968545 11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number 12 Containers 13. Total 14. Unit Number Quantity Wt / Vol H. Waste No. NON RCRA NON DOT REGULATED LIQUIDS FPA N018 STATE GENERATOR **EPA** STATE **EPA** STATE d **EPA** STATE I. Additional Description for Materials listed Above J. Handling Codes for Wastes Listed Above 1022-001 - Development Water a. C. a C b. h d 15. Special Handling Instructions and Additional Information 24 Hour Emergency Telephone # 877 319-0800 P.O. # 7278 16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations Printed/Typed Name Signature Day Year nt of Receipt of Materials TRANSPORTER d/Typed Name 18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Signature 19. Discrepancy Indication Space

GENERATOR'S COPY

Mo

Day

Year

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Signature

FACILITY

Printed/Typed Name

1	NON-HAZARDOUS 1. Generator ID Number WASTE MANIFEST	2. Page 1 of	3. Emergency Respon		4. Waste	Tracking Nu	E013426 0
	5. Generator's Name and Mailing Address MATIONAL CRID NY ONE METROTE OF CENTER Generator's Phone:	1 53.2015	Generator's Site Addr	ess (if different	66. 	dress)	E013470
-	6. Transporter 1 Company Name	(The second sec		114.1	U.S. EPA II) Number	
	7. Transporter 2 Company Name 8. Designated Facility Name and Site Address		1104 13	1 5 m	U.S. EPA ID		
					U.S. EPA ID	Number	
Н	9. Waste Shipping Name and Description	of the state of th	10. Con	tainers			
			No.	Туре	11. Total Quantity	12. Unit Wt./Vol.	
GENERATOR	MISE LOGE TOR CONTRACTED SOL MOT COT NOT ROSE 2.		201	The second of	30	A	
	3.						
	4.						
	13. Special Handling Instructions and Additional Information						
	14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declar marked and labeled/placarded, and are in all respects in proper	re that the contents of this consignment are condition for transport according to applicable	fully and accurately des le international and natio	cribed above by	y the proper ship	oping name, a	nd are classified, packaged,
V	LONALD P CAMPELL	Cianal	ture				Month Day Year
E	Import to U.S. Transporter Signature (for exports only):	Export from U.S.	. Port of ent				105 OX 113
SPORTER	16. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name	Oi		ig 0.0			
2		Signati	nte.		and the state of t	and annihilation to have a con-	Month Day Year
E E	Transporter 2 Printed/Typed Name	Signatu	ure - Image -	and South States	200		Month Day Year
1	17. Discrepancy	Sec.	The second of	The second control of the second	ne Alex		05/03/13
	17a. Discrepancy Indication Space Quantity	Туре	Residue		Partial Rejec	tion	Full Rejection
	17b. Alternate Facility (or Generator)	· · · · · · · · · · · · · · · · · · ·	Manifest Reference Nu		U.S. EPA ID Nu	mber	-
	Facility's Phone: I7c. Signature of Alternate Facility (or Generator)			1			· ·
-	To. Signature of Alternate Facility (of Generator)						Month Day Year
1	8. Designated Eacility Owner or Country Country						
F	Designated Facility Owner or Operator: Certification of receipt of mirrinted/Typed Name						
		Signatur 	10				Month Day Year

	DC. Q	S US EPA ID No. 4-11-2013 0 0 1 8 4 1 8 4	anifest D		5 9		2 Page 1 o	of
	One M	letrotech Center yn, NY 11201 -5453		×	254 Ma Brookly	speth A	quity MGP s ve 1211	Site
		2 2			ansporter's ID		-531	
	William J. Lauer Corp. 7. Transporter 2 (Company Name)	N Y R 0 0 0 1 5 7 6 8. US EPA ID Number	5 4 4		rter 1 Telephone ansporter's ID	(718) 981-8500)
				E. Transpo	rter 2 Telephone	()	
	Designated Facility Name and Site Address Clean Water Of New York, Inc.	10. US EPA ID Number		F. State Fa	cility ID	- E		
	3249 Richmond Terrace			G Facility	Felephone (718) 98	31-4600	
	Staten Island, NY 10303	NY00009685						
	11. US DOT Description (Including Proper Shipping Na	ime, Hazard Class and ID Number		Containers	13. Total	14. Unit		
	a NON RCRA NON DOT REGULAT	ED HOURS	Numi	ber Type	Quantity	Wt / Vol	H. Waste N	No.
~		ED LIQUIDS						18
GENERATOR	b.						EPA	
RA							STATE	
ENE	C,	,					EPA	
G							STATE	
	d.						EPA	
ř							STATE	
	Additional Description for Materials listed Above			J. Hand	ling Codes for W	lastes Liste		
	1022-001 - Development Water	c.	±))	a.		C.	a ribove	
	b.	d.		b.				
	15. Special Handling Instructions and Additional Informa 24 Hour Emergency Telephone #	ation		D.		d.		
ı							P.O. # 7278	
	16. GENERATOR'S CERTIFICATION: I hereby certify in proper condition for transport. The materials described Printed/Typed Name	d on this manifest are not subject to fede	eral haza	rdous waste	scribed and are i regulations	n all respec	ts Mo. Day	Year
	LONALD P CAMPBELL	Xohald /! (and	bell		4	04/11	13
TRANSPORTER	17. Transporter 1 Acknowledgement of Receipt of Mater Printed/Typed Name	rials Signature	/				Mo Day	Year
SP(18 Transporter 2 Acknowledgement of Receipt of Mater	ials						
TRAN	Printed/Typed Name	Signature					Mo Day	Year
	19 Discrepancy Indication Space			(watering				-
≽								
FACILITY	20. Facility Owner or Operator: Certification of receipt of	hazardous materials covered by this mo	nifect co	cont as ast	od in Hom 10			
FAC	Printed/Typed Name	Signature	imes(ex	cept as note	u in item 19		Mo Day	Year

		11. 2013	Manifest [Doc. No.		4	2. Page 1 of
	3. Generator's Name and Mailing Address	00184184	1 :	2 3 0	5 9		8 4
4	National One Met Brooklyn Generator's Telephone Number (718) 963-5			^A Nation	254 Ma	rmer Eq aspeth A n, NY 1	uity MGP Site
	5. Transporter 1 (Company Name)	6 US EPA ID Number		B. State Tra	nsporter's ID	24	-531
	William J. Lauer Corp.	NYR000157	644		ter 1 Telephone		
1	7. Transporter 2 (Company Name)	8. US EPA ID Number		D. State Tra	nsporter's ID		981-8500
9	Clean Water Of New York, Inc. 3249 Richmond Terrace	10. US EPA ID Number	-11	F. State Fac)
	Staten Island, NY 10303	NY0000968	515	G. Facility Te	elephone (718) 98	81-4600
1	1. US DOT Description (Including Proper Shipping Name,	Hazard Class and ID Number		Containers	40 T + 1		
35				ber Type	13 Total	14. Unit	
a	NON RCRA NON DOT REGULATED	LIOHIDS	rvuin	оет туре	Quantity	Wt / Vol	H. Waste No. EPA
		LIGOIDO					NO19
GENERATOR O G			-				STATE
¥							EPA
当 c							STATE
E .							EPA
							STATE
ď							EPA
							The second second
1. 7	Additional Description for Materials listed Above		-	I Handlin	g Codes for W		STATE
а	1022-001 - Development Water			а	g codes for vv	c c	Above
b.	d.		1000				
15.	Special Handling Instructions and Additional Information	- X	1777 07 200 077	b		d.	
16. in p	24 Hour Emergency Telephone # 877 GENERATOR'S CERTIFICATION: I hereby certify that roper condition for transport. The materials described on the condition of transport.		ully and acc	curately descr tous waste req	ibed and are in gulations	all respects	P.O. # 7278
Prin	ted/Typed Name	Sonoture A A					
L	GNALD P CAMPBELL	Signature	0	0.01		- N	Mo. Day Yea
17.	Transporter 1 Acknowledgement of Receipt of Materials	· Cream /.	and	jus			04111
Print 18. T	ted/Typed Name	Signature					De . CA-1/2
							Mo. Day Yea
18. 7	Fransporter 2 Acknowledgement of Receipt of Materials						
Print	ed/Typed Name	Signature					
		(0)					Mo Day Yea
19 [Discrepancy Indication Space						
20 F	acility Owner or Operator: Continue to	The second second field				15	
Printe	acility Owner or Operator: Certification of receipt of hazared/Typed Name	dous materials covered by this ma	nifest exce	pt as noted in	Item 19		10 - 80 A1
	8	Signature					Mo Day Year
						× 4	1 1 1 1 0

WASTE MANIFEST N Y R	S US EPA ID No.		oc. No.			2. Page 1
3 Generator's Name and Mailing Address	000184184	1 2	2 3 0	5 9		1
Nation One M			^A Nation	254 Ma	rmer Ed aspeth A yn, NY	quity MGP S Ave 11211
	6. US EPA ID Number		B. State Tra	insporter's ID	24	N-531
William J. Lauer Corp. 7. Transporter 2 (Company Name)	N Y R 0 0 0 1 5 7 8. US EPA ID Number	644	C. Transpor	ter 1 Telephone		3) 981-8500
0.00	,					
Designated Facility Name and Site Address Clean Water Of New York, Inc.	10. US EPA ID Number		F. State Fac	ter 2 Telephone) (· · · · · · · · · · · · · · · · · ·)
3249 Richmond Terrace Staten Island, NY 10303	N V 0 0 0 0 0 0 0	- a	G. Facility To	elephone (718) 9	81-4600
11 US DOT Description (Including Proper Shipping Nam	N Y 0 0 0 0 9 6 8 5					
a. NON RCRA NON DOT REGULATE			ontainers er Type	13. Total Quantity	14. Unit Wt / Vol	
TOTAL TOTAL DOT REGULATE	LIQUIDS					EPA
b.	The state of the s					STATE NO
						EPA
C						STATE
						EPA
d						STATE
0		1-				EPA
I. Additional Description for Materials listed Above			J. Handlin	g Codes for Wa	ostos Lieta	STATE
1022-001 - Development Water				9 00003 101 998	istes Listed	Above
C			а		C.	
b.		i de la companya de l			7-1-2	
d 15. Special Handling Instructions and Additional Information	1274	- Auditor	b.		d.	
24 Hour Emergency Telephone # 97	7 210 0000	A. 924				
24 Hour Emergency Telephone # 87	7 319-0800	y and accu	urately descri	bed and are in	all respects	P.O. # 7278
24 Hour Emergency Telephone # 87 6. GENERATOR'S CERTIFICATION: I hereby certify that a proper condition for transport. The materials described on	7 319-0800	y and accu al hazardo	ırately descri us waste reg	bed and are in ulations.	all respects	
24 Hour Emergency Telephone # 87 6. GENERATOR'S CERTIFICATION: I hereby certify that proper condition for transport. The materials described or trinted/Typed Name	7 319-0800	y and accu al hazardo	urately descri us waste reg	bed and are in ulations.		7278
24 Hour Emergency Telephone # 87 6. GENERATOR'S CERTIFICATION: I hereby certify that proper condition for transport. The materials described on trinted/Typed Name CAMPSEL	at the contents of this shipment are fully this manifest are not subject to federal	y and acci	urately descri us waste reg	bed and are in ulations.		7278
24 Hour Emergency Telephone # 87 6. GENERATOR'S CERTIFICATION: I hereby certify that a proper condition for transport. The materials described on trinted/Typed Name CAMPBELL 7. Transporter 1 Acknowledgement of Receipt of Materials	that the contents of this shipment are fully this manifest are not subject to federal	y and acci	urately descri us waste reg	bed and are in ulations.		7278
24 Hour Emergency Telephone # 87 6. GENERATOR'S CERTIFICATION: I hereby certify that a proper condition for transport. The materials described on trinted/Typed Name CAMPBELL	at the contents of this shipment are fully this manifest are not subject to federal	y and accual hazardo	urately descri us waste reg	bed and are in ulations.	4	7278 Mo. Day You
24 Hour Emergency Telephone # 87 66. GENERATOR'S CERTIFICATION: I hereby certify that a proper condition for transport. The materials described or crinted/Typed Name CAMPBELL 7. Transporter 1 Acknowledgement of Receipt of Materials rinted/Typed Name B. Transporter 2 Acknowledgement of Receipt of Materials	that the contents of this shipment are fully this manifest are not subject to federal	y and accidal hazardo	urately descri us waste reg	bed and are in ulations.	4	7278 Mo. Day You A 114
24 Hour Emergency Telephone # 87 6. GENERATOR'S CERTIFICATION: I hereby certify that a proper condition for transport. The materials described on trinted/Typed Name CAMPBELL 7. Transporter 1 Acknowledgement of Receipt of Materials	at the contents of this shipment are fully in this manifest are not subject to federal signature.	y and acci	urately descri us waste reg	bed and are in ulations.	4	7278 Mo. Day You
24 Hour Emergency Telephone # 87 6. GENERATOR'S CERTIFICATION: I hereby certify that a proper condition for transport. The materials described on trinted/Typed Name CAMPELL 7. Transporter 1 Acknowledgement of Receipt of Materials rinted/Typed Name 3. Transporter 2 Acknowledgement of Receipt of Materials rinted/Typed Name	that the contents of this shipment are fully this manifest are not subject to federal	y and accual hazardo	urately descri us waste reg	bed and are in ulations.	4	7278 Mo. Day You Call 12 Mo. Day Ye
24 Hour Emergency Telephone # 87 66. GENERATOR'S CERTIFICATION: I hereby certify that a proper condition for transport. The materials described or crinted/Typed Name CAMPBELL 7. Transporter 1 Acknowledgement of Receipt of Materials rinted/Typed Name B. Transporter 2 Acknowledgement of Receipt of Materials	at the contents of this shipment are fully in this manifest are not subject to federal signature.	y and acct al hazardo	urately descri us waste reg	bed and are in ulations.	4	7278 Mo. Day Y Mo. D
24 Hour Emergency Telephone # 87 6. GENERATOR'S CERTIFICATION: I hereby certify that a proper condition for transport. The materials described on trinted/Typed Name CAMPELL 7. Transporter 1 Acknowledgement of Receipt of Materials rinted/Typed Name 3. Transporter 2 Acknowledgement of Receipt of Materials rinted/Typed Name	at the contents of this shipment are fully in this manifest are not subject to federal signature.	y and acci	urately descri us waste reg	bed and are in ulations.	4	7278 Mo. Day Y Mo. D
24 Hour Emergency Telephone # 87 6. GENERATOR'S CERTIFICATION: I hereby certify that a proper condition for transport. The materials described on trinted/Typed Name CAMPELL 7. Transporter 1 Acknowledgement of Receipt of Materials rinted/Typed Name 3. Transporter 2 Acknowledgement of Receipt of Materials rinted/Typed Name Discrepancy Indication Space	at the contents of this shipment are fully this manifest are not subject to federal signature. Signature Signature	76	us waste reg	ulations.	4	7278 Mo. Day Y Mo. D
24 Hour Emergency Telephone # 87 6. GENERATOR'S CERTIFICATION: I hereby certify that a proper condition for transport. The materials described or crinted/Typed Name CAMPELL 7. Transporter 1 Acknowledgement of Receipt of Materials inted/Typed Name B. Transporter 2 Acknowledgement of Receipt of Materials inted/Typed Name Discrepancy Indication Space	ardous materials covered by this manife	76	us waste reg	ulations.	4	7278 Mo. Day You Mo. Day You Mo. Day You
24 Hour Emergency Telephone # 87 6. GENERATOR'S CERTIFICATION: I hereby certify that a proper condition for transport. The materials described on trinted/Typed Name CAMPELL 7. Transporter 1 Acknowledgement of Receipt of Materials rinted/Typed Name 3. Transporter 2 Acknowledgement of Receipt of Materials rinted/Typed Name	at the contents of this shipment are fully this manifest are not subject to federal signature. Signature Signature	76	us waste reg	ulations.		7278 Mo. Day You Mo. Day You Mo. Day You

	NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No. DC 04-11-20/3 N Y R 0 0 0 1 8	4 1 8 4	lanifest Doo	3 0	5 8	*	2. Pag	ge 1 of
K		National Grid NY One Metrotech Cen Brooklyn, NY 11201 18) 963-5453			Natio	nal Grid Fo 254 Ma Brookly	speth A	ve	P Site
	5. Transporter 1 (Company Name)	6. US EPA I	Number	E	3. State Tra	nsporter's ID	2A-	-531	
	William J. Lauer Corp. 7. Transporter 2 (Company Name)	N Y R C	0 0 0 1 5 7 6 Number	and the same of th		er 1 Telephone nsporter's ID	718) 981-8	500
	9 Designated Facility Name and Site Add Clean Water Of New Yor 3249 Richmond Terrace		D Number	F	State Fac)	
	Staten Island, NY 10303	NYOO	009685		Facility 16	elephone (10) 90	31-4600	
	11 US DOT Description (Including Proper	r Shipping Name, Hazard Class a	nd ID Number		ntainers	13 Total	14. Unit	1	
	a NON RCRA NON DOT R				г Туре	Quantity	Wt / Vol	H Wa	ste No.
~		EGOLATED EIGOIDS						STATE	N018
5	O.							EPA	-
GENERATOR	1 %							STATE	
N.	C							EPA	
O							1	STATE	
	d.							EPA	
								STATE	
	I. Additional Description for Materials listed	Above			L Handlin	ng Codes for W			
	1022-001 - Development Water				a	ig Codes for VV	asies Lisiec	I Above	
	b.	d.	1	- 24	4.		d	Brown ===	
	15. Special Handling Instructions and Addit 24 Hour Emergency Telep		y a * 1	77.00		9 <u>(6</u>		P.O.	#
	16. GENERATOR'S CERTIFICATION: 1 In proper condition for transport. The mater	nereby certify that the contents of	this shipment are ful	lly and acc	ırately desc	ribed and are in	all respect	727	8
	proper and waterport, the mater	als described on this manifest are	e not subject to fede	ral hazardo	us waste re	egulations.			
	Printed/Typed Name Donald P CAMPER	Signature	Tale P (apl	Ell		+	Mo Day	Year
TRANSPORTER	17. Transporter 1 Acknowledgement of Rec Printed/Typed Name	ceipt of Materials Signature		1				PC 04 Mo. Day	11-203 Year
SP	18. Transporter 2 Acknowledgement of Rec	eipt of Materials			F 4 10				
TRAI	Printed/Typed Name	Signature		1.0	6.		- 1	Mo Day	Year
1	19 Discrepancy Indication Space			-				d.,	
FACILITY	20. Facility Owner or Operating Course								
Y P	20. Facility Owner or Operator: Certification Printed/Typed Name		covered by this mar	nifest excep	ot as noted i	n Item 19.			
	уров папи	Signature					1	Mo Day	Year

	NON-HAZARDOUS 1. Generator's US	EPA ID No Manife (4-1(-20/3)	st Doc. No.	2. Page 1 of
	WASTE MANIFEST NYRO		2 3 0 5 8	1
1		Grid NY rotech Center NY 11201	254 Mas	ner Equity MGP Site peth Ave , NY 11211
	4. Generator's Telephone Number (718) 963-54	153		
	5. Transporter 1 (Company Name)	6. US EPA ID Number	B. State Transporter's ID	2A-531
	William J. Lauer Corp. 7. Transporter 2 (Company Name)	N Y R 0 0 0 1 5 7 6 4 8 US EPA ID Number	C. Transporter 1 Telephone (D. State Transporter's ID	718) 981-8500
			E. Transporter 2 Telephone (A 21 AND SECURITY COMES MARKET ON SECURITY OF SECURITY
	9. Designated Facility Name and Site Address Clean Water Of New York, Inc.	10. US EPA ID Number	F. State Facility ID	
	3249 Richmond Terrace	N Y 0 0 0 0 9 6 8 5 4		18) 981-4600
	Staten Island, NY 10303 11, US DOT Description (Including Proper Shipping Name,		12. Containers 13. Total	14. Unit
			Number Type Quantity	Wt / Vol H. Waste No.
	a. NON RCRA NON DOT REGULATED	LIQUIDS		STATE N018
K.	b.			EPA
GENERATOR				STATE
Ä	C.			EPA
R		8		STATE
	d.			EPA
				STATE
	I. Additional Description for Materials listed Above		J. Handling Codes for Wa	astes Listed Above
	1022-001 - Development Water		a.	C.
	b. d.		b.	d.
	15. Special Handling Instructions and Additional Information			
	24 Hour Emergency Telephone # 87	7 319-0800		
				P.O. #
	ayıng geri		The state of the s	7278
	16. GENERATOR'S CERTIFICATION: I hereby certify that in proper condition for transport. The materials described on			n all respects
·	Printed/Typed Name DoNALD P CAMPBELL	Signature A ald	skell	Mo. Day Year
TRANSPORTER	17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name	Signature	1	Mo. Day Year
ISP	18. Transporter 2 Acknowledgement of Receipt of Materials			
TRAN	Printed/Typed Name	Signature		Mo. Day Year
	19 Discrepancy Indication Space			
7				
CILITY	20. Facility Owner or Operator: Certification of receipt of ha	zardous materials covered by this manifi	est except as noted in Item 19	
FAC	Printed/Typed Name	Signature	10 10 10 10 10 10 10 10 10 10 10 10 10 1	Mo. Day Year

Please type or print. 1 Generator's US EPA ID No. NON-HAZARDOUS Manifest Doc. No. 2 Page 1 of **WASTE MANIFEST** 2 3 5 3 Generator's Name and Mailing Address 1 National Grid NY National Grid Former Equity MGP Site One Metrotech Center 254 Maspeth Ave Brooklyn, NY 11201 Brooklyn, NY 11211 4. Generator's Telephone Number (718 963-5453 5. Transporter 1 (Company Name) 6. US EPA ID Number B. State Transporter's ID 2A-531 William J. Lauer Corp. NYR000157644 7. Transporter 2 (Company Name) C. Transporter 1 Telephone (718) 981-8500 8. US EPA ID Number D. State Transporter's ID 9 Designated Facility Name and Site Address E. Transporter 2 Telephone (10. US EPA ID Number Clean Water Of New York, Inc. F. State Facility ID 3249 Richmond Terrace G. Facility Telephone (Staten Island, NY 10303 718) 981-4600 NY0000968545 11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number 12. Containers 13 Total 14. Unit Number Type NON RCRA NON DOT REGULATED LIQUIDS Quantity Wt / Vol H. Waste No. EPA N018 STATE GENERATOR EPA STATE EPA d STATE **EPA** I Additional Description for Materials listed Above STATE J. Handling Codes for Wastes Listed Above 1022-001 - Development Water a C C. 15. Special Handling Instructions and Additional Information Н 24 Hour Emergency Telephone # 877 319-0800 P.O. # 16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects 7278 in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations. Printed/Typed Name Signature Day TRANSPORTER Printed/Typed Name Signature 18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Signature Year 19. Discrepancy Indication Space FACILITY 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19 Printed/Typed Name Signature

Please type or print. 1. Generator's US EPA ID No **NON-HAZARDOUS** Manifest Doc. No. 2 Page 1 of DC 04-11-2013 **WASTE MANIFEST** 0 0 1 2 3 1 3. Generator's Name and Mailing Address National Grid Former Equity MGP Site National Grid NY One Metrotech Center 254 Maspeth Ave Brooklyn, NY 11201 Brooklyn, NY 11211 4. Generator's Telephone Number (718) 963-5453 5. Transporter 1 (Company Name) 6. US EPA ID Number B. State Transporter's ID 2A-531 William J. Lauer Corp. NYR000157644 C. Transporter 1 Telephone (718 981-8500 7. Transporter 2 (Company Name) 8. US EPA ID Number D State Transporter's ID E. Transporter 2 Telephone (9. Designated Facility Name and Site Address 10. US EPA ID Number F State Facility ID Clean Water Of New York, Inc. 3249 Richmond Terrace G Facility Telephone (718) 981-4600 Staten Island, NY 10303 NY0000968545 11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number 12 Containers 13 Total 14 Unit Number Type Quantity Wt / Vol H. Waste No. NON RCRA NON DOT REGULATED LIQUIDS EPA N018 STATE GENERATOR **EPA** STATE **EPA** STATE d EPA STATE I. Additional Description for Materials listed Above J. Handling Codes for Wastes Listed Above 1022-001 - Development Water а С b. d 15. Special Handling Instructions and Additional Information 24 Hour Emergency Telephone # 877 319-0800 P.O. # 7278 16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations Printed/Typed Name Mo 17. Transporter 1 Acknowledgement of Receipt of Materials TRANSPORTER Printed/Typed Name Signature Day Year 18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Signature Mο Day Year 19. Discrepancy Indication Space FACILITY 20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19 Printed/Typed Name Signature Day Year

NON-HAZARDOUS WASTE MANIFEST Please type or print. 1 Generator's US EPA ID No. NON-HAZARDOUS Manifest Doc. No. 2. Page 1 of NY RC0 06-16201384184 WASTE MANIFEST 1 2 3 3. Generator's Name and Mailing Address 1 National Grid NY National Grid Former Equity MGP Site One Metrotech Center 254 Maspeth Ave Brooklyn, NY 11201 4. Generator's Telephone Number (Brooklyn, NY 11211 718) 963-5453 5 Transporter 1 (Company Name) 6. US EPA ID Number B State Transporter's ID William J. Lauer Corp. 2A-531 NYR000157644 7. Transporter 2 (Company Name) C. Transporter 1 Telephone (718) 981-8500 8. US EPA ID Number D. State Transporter's ID 9. Designated Facility Name and Site Address E. Transporter 2 Telephone (10. US EPA ID Number Clean Water Of New York, Inc. F. State Facility ID 3249 Richmond Terrace Staten Island, NY 10303 G. Facility Telephone (718) 981-4600 NY0000968545 11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number 12 Containers 13. Total 14. Unit Number Type NON RCRA NON DOT REGULATED LIQUIDS Quantity Wt / Vol H. Waste No. **EPA** GENERATOR N018 b, STATE FΡΔ STATE **EPA** d STATE EPA 1 Additional Description for Materials listed Above STATE 1022-001 - Development Water J. Handling Codes for Wastes Listed Above а C 15. Special Handling Instructions and Additional Information h 24 Hour Emergency Telephone # 877 319-0800 P.O. # 16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects 7278 in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations. Printed/Typed Name Year 17. Transporter 1 Acknowledgement of Receipt of Materials TRANSPORTER Printed/Typed Name Signature 0498 18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Signature Day 19. Discrepancy Indication Space 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name

Day

NON-HAZARDOUS	1. Generator's U	JS EPA ID No M	lanifest E	oc No			
WASTE MANIFEST	N Y RCO	76 10-11-8 4 1 8 4	1 2		= E 7		2. Page 1 of
3. Generator's Name and Mailing Add	National One Me	I Grid NY trotech Center n, NY 11201			254 Ma	aspeth A	uity MGP Site
4. Generator's Telephone Number (718) 963-5	5453		2	Brookly	yn, NY 1	1211
5. Transporter 1 (Company Name)		6. US EPA ID Number		B. State Tra	nsporter's ID	2A	-531
William J. Lauer Corp.		NYR0001576	6 4 4	C. Transpor	ter 1 Telephon		981-8500
7. Transporter 2 (Company Name)		8. US EPA ID Number	Service de Alexandre	D. State Tra	nsporter's ID		901-0500
Designated Facility Name and Site Clean Water Of New Y 2240 Distance of Texas I T	ork, Inc.	10. US EPA ID Number		E. Transport F. State Fac	er 2 Telephone lity ID	e ()
3249 Richmond Terrac Staten Island, NY 1030)3	NY00009685	. 4 5	G. Facility Te	elephone (718) 9	81-4600
11 US DOT Description (Including Pro	oper Shipping Name	Hazard Class and ID Number	-	Containers	40 T-1-1	1000.00	
1		[]*		per Type	13. Total Quantity	14. Unit	
NON RCRA NON DOT	REGULATE	DLIQUIDS	- Total	туре	Quantity	Wt / Vol	H. Waste No. EPA
							STATE NO18
b.				VI 14 - 24		-	
							EPA
C. The second se							STATE
							EPA
d.							STATE
4			-				EPA
TA LEG							STATE
I. Additional Description for Materials lis				J. Handlin	g Codes for W	astes Lister	
1022-001 - Development Wa						1	
	C.			a.		C.	TT TT
b	d						
15. Special Handling Instructions and Ad			2017	b.		d,	
24 Hour Emergency Tele 16. GENERATOR'S CERTIFICATION: n proper condition for transport. The ma	hereby certify that	the contents of this above	y and aco	curately descr	ibed and are in	i all respect	P.O. # 7278
Printed/Typed Name		Signature					
PONALD P CAMPS 7. Transporter 1 Acknowledgement of F	Receipt of Materials	Cohold P.	O	cb.U		K	Mo. Day Ye
rinted/Typed Name		Signature					Mo Day Xp
8. Transporter 2 Acknowledgement of R	Receipt of Materials						-
rinted/Typed Name		Signature		110 17			Mo Day Yea
9. Discrepancy Indication Space					-	arana ayen ka	
) Facility Owner or Orange							
 Facility Owner or Operator Certification inted/Typed Name 	on of receipt of haza	irdous materials covered by this manif	fest exce	pt as noted in	Item 19.		to the second
- Jeon Haine		Signature					
		S. S. Call					Mo. Day Year

AECOM Environment

Appendix D

Permitting Requirements Correspondence with FDNY From: <u>James, Calvin (FDNY)</u>
To: <u>McCabe, Mark</u>

Subject: RE: Permitting Requirments - Combustible Liquid Tank

Date: Tuesday, September 17, 2013 2:50:40 PM

Mr. McCabe.

Because of the mixture of coal tar and water a, fire department permit is not needed for the tank .

From: McCabe, Mark [mailto:Mark.McCabe@aecom.com]

Sent: Tuesday, September 17, 2013 1:36 PM

To: James, Calvin (FDNY)

Subject: Permitting Requirments - Combustible Liquid Tank

Inspector James,

AECOM, an environmental consulting company, is conducting a multi-year soil remediation program at a site on Maspeth Ave. in Brooklyn under the oversight of NYSDEC. We are planning to pump a mixture of coal tar and water from below the ground to remove contamination from the site. Data indicates that the recovered material will be a Class III A combustible liquid. The collected material will be temporarily accumulated in a 500 gallon tank pending disposal at a permitted off-site location and will be emptied monthly. The tank will be housed "outside" within a shipping container and will be equipped with secondary containment.

We'd like to begin to understand the FDNY permitting requirements for the tank. Any help/direction that you could provide would be greatly appreciated.

Regards, Mark

Mark McCabe

Environment
D: 978.905.2311 C:508.423.9018
mark.mccabe@aecom.com

AECOM

250 Apollo Drive Chelmsford, MA 01824 Phone: 978.905.2100 Fax: 978.905.2101 www.aecom.com