

264 NORTH 10TH STREET
BROOKLYN, NEW YORK

Remedial Action Work Plan

BCP Project Number: 12CBCP035K
OER Project Number: 12EHAZ031K

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REMEDIAL ACTION WORK PLAN

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LIST OF ACRONYMS

Acronym	Definition
AOC	Area of Concern
AS/SVE	Air Sparging/Soil Vapor Extraction
BOA	Brownfield Opportunity Area
CAMP	Community Air Monitoring Plan
C/D	Construction/Demolition
COC	Certificate of Completion
CQAP	Construction Quality Assurance Plan
CSOP	Contractors Site Operation Plan
DCR	Declaration of Covenants and Restrictions
ECs/ICs	Engineering and Institutional Controls
E&SC	Erosion and Sediment Control
Ft bg	Feet below grade
HASP	Health and Safety Plan
IRM	Interim Remedial Measure
BCA	Brownfield Cleanup Agreement
MNA	Monitored Natural Attenuation
NOC	Notice of Completion
NYC BCP	New York City Brownfield Cleanup Program
NYC DEP	New York City Department of Environmental Protection
NYC DOHMH	New York State Department of Health and Mental Hygiene
NYCRR	New York Codes Rules and Regulations
NYC OER	New York City Office of Environmental Remediation
NYS DEC	New York State Department of Environmental Conservation
NYS DEC DER	New York State Department of Environmental Conservation Division of Environmental Remediation
NYS DOH	New York State Department of Health
NYS DOT	New York State Department of Transportation
ORC	Oxygen-Release Compound

OSHA	United States Occupational Health and Safety Administration
PE	Professional Engineer
PID	Photo Ionization Detector
QEP	Qualified Environmental Professional
QHHEA	Qualitative Human Health Exposure Assessment
RAOs	Remedial Action Objectives
RAR	Remedial Action Report
RAWP	Remedial Action Work Plan or Plan
RCA	Recycled Concrete Aggregate
RD	Remedial Design
RI	Remedial Investigation
RMZ	Residual Management Zone
SCOs	Soil Cleanup Objectives
SCG	Standards, Criteria and Guidance
SMP	Site Management Plan
SPDES	State Pollutant Discharge Elimination System
SVOC	Semi-Volatile Organic Compound
USGS	United States Geological Survey
UST	Underground Storage Tank
VOC	Volatile Organic Compound

CERTIFICATION

I, Michelle Lapin, am a Professional Engineer licensed in the State of New York. I have primary direct responsibility for implementation of the remedial action for the 264 North 10th Street Site (Site E-138).

I, Marc Godick, am a Qualified Environmental Professional as defined in §43-140. I have primary direct responsibility for implementation of the remedial action for the 264 North 10th Street Site (Site E-138).

I certify that this Remedial Action Work Plan (RAWP) has a plan for handling, transport and disposal of soil, fill, fluids and other materials removed from the property in accordance with applicable City, State and Federal laws and regulations. Importation of all soil, fill and other material from off-Site will be in accordance with all applicable City, State and Federal laws and requirements. This RAWP has provisions to control nuisances during the remediation and all invasive work, including dust and odor suppression.

Name

NYS PE License Number

Signature

Date



QEP Name

QEP Signature

Date

EXECUTIVE SUMMARY

250 North 10th Street, LLC has enrolled in the New York City Brownfield Cleanup Program (NYC BCP) to investigate and remediate a 50,000-square foot site located at 264 North 10th Street in Brooklyn, New York. A remedial investigation (RI) was performed to compile and evaluate data and information necessary to develop this Remedial Action Work Plan (RAWP). The remedial action described in this document provides for the protection of public health and the environment consistent with the intended property use, complies with applicable environmental standards, criteria and guidance and conforms with applicable laws and regulations.

Site Location and Current Usage

The Site is located at 264 North 10th Street in the Williamsburg section in Brooklyn, New York and is identified as Block 2307 and Lots 1, 14, 16, 19, and 31 on the New York City Tax Map. Figure 1 shows the Site location. The Site is approximately 50,000 square feet and is bounded by Roebling Street to the northwest, North 10th Street to the northeast, Union Avenue to the east, and Withers Street to the south. The majority of the southwestern border of the Site is bounded by adjacent lots within the site block, with a portion of the Site (Lot 31) extending to North 9th Street. A map of the site boundary and lot numbers are shown in Figure 2. Currently, the Site is vacant and contains foundation elements associated with the early stages of site redevelopment.

Summary of Proposed Redevelopment Plan

The proposed future use of the Site will consist of six story residential building and parking garage. Layout of the proposed site development is presented in Figure 3. The current zoning designation is M1-2/R6A, which is a mixed use designation consisting of manufacturing and residential districts. The proposed use is consistent with existing zoning for the property.

The proposed redevelopment plan includes the construction of one 50,000 square foot, six floor residential building with a partial sub-grade level parking garage that will occupy the entire site and achieve full build-out to the property boundary. The residential building will include an

open common area that connects to a parking garage. The living spaces on the first floor will be above the parking garage and elevated above sidewalk level. The lowest level of the open common space and parking garage will be partially below sidewalk level, with a walk-up ramp connecting to the first floor residential area. The bottom of the foundation elements will be located within close proximity to the seasonal high water table. Sidewalk landscaping will include above ground planters. It is anticipated that a general cut of 3 feet below sidewalk-level grade surface will be completed for construction of the foundation elements, with an additional localized cut of 2 feet (to 5 feet below sidewalk-level grade) for two elevator pit locations. A substantial portion of the site was previously excavated to a depth of approximately one foot below grade, and a soil pile consisting of approximately 1,000 cubic yards exists on the south/southeastern portion of the site. A general cut of an additional two feet over the entire site, exclusive of the two elevator pits, will be completed to allow for construction of the foundation and prepare for full build-out of the site. The excavation is expected to extend to the seasonal high water table, with the elevator pits potentially extending into the water table. The remaining excavation work will generate approximately 1,800 cubic yards of material. Approximately 2,800 cubic yards of soil, inclusive of the existing soil pile, will be exported off-site for disposal.

Summary of the Remedy

The proposed remedial action achieves protection of public health and the environment for the intended use of the property. The proposed remedial action achieves all of the remedial action objectives established for the project and addresses applicable standards, criterion, and guidance; is effective in both the short-term and long-term and reduces mobility, toxicity and volume of contaminants; is cost effective and implementable; and uses standards methods that are well established in the industry.

The proposed remedial action will consist of:

1. Preparation of a Community Protection Statement and implementation of a Citizen Participation Plan.
2. Perform a Community Air Monitoring Program during construction for particulates and volatile organic carbon compounds.

3. Excavation and removal of contaminated fill to a depth of 3 feet below sidewalk-level grade, removal of contaminated fill at two elevator pit locations to a depth of 5 feet below sidewalk-level grade, and additional excavation of soil from four hot spot locations where contaminants exceed the site-approved SCOs, to the water table, which is anticipated to be encountered at 3 to 5 feet below sidewalk-level grade.
4. Include contingencies for removal of any unknown underground storage tanks and/or closure of petroleum spills in compliance with applicable local, State and Federal laws and regulations.
5. Construction and maintenance of an engineered composite cover consisting of a building slab to prevent human exposure to residual soil/fill remaining under the Site;
6. Installation of a vapor barrier system beneath the building slab.
7. Transportation and off-Site disposal of all soil/fill material at permitted facilities in accordance with applicable laws and regulations for handling, transport, and disposal, and this plan. Sampling and analysis of excavated media as required by disposal facilities. Appropriate segregation of excavated media onsite.
8. Screening of excavated soil/fill during intrusive work for indications of contamination by visual means, odor, and monitoring with a PID.
9. Site mobilization involving Site security setup, equipment mobilization, utility mark outs and marking and staking excavation areas.
10. Implementation of storm-water pollution prevention measures in compliance with applicable laws and regulations.
11. Performance of all activities required for the remedial action, including permitting requirements and pretreatment requirements, if necessary, in compliance with applicable laws and regulations.
12. Submission of a RAR that describes the remedial activities, certifies that the remedial requirements have been achieved, defines the Site boundaries, and describes all Engineering and Institutional Controls to be implemented at the Site, and lists any changes from this RAWP.

13. Submission of an approved Site Management Plan (SMP) in the RAR for long-term management of residual contamination, including plans for operation, maintenance, monitoring, inspection and certification of Engineering and Institutional Controls and reporting at a specified frequency.
14. Recording of a Declaration of Covenants and Restrictions that includes a listing of Engineering Controls and a requirement that management of these controls must be in compliance with an approved SMP; and Institutional Controls including prohibition of the following: (1) vegetable gardening and farming; (2) use of groundwater without treatment rendering it safe for the intended use; (3) disturbance of residual contaminated material unless it is conducted in accordance with the SMP; and (4) higher level of land usage without OER-approval.

COMMUNITY PROTECTION STATEMENT

The Office of Environmental Remediation created the New York City Brownfield Cleanup Program (NYC BCP) to provide governmental oversight for the cleanup of contaminated property in NYC. This Remedial Action Work Plan (“cleanup plan”) describes the findings of prior environmental studies that show the location of contamination at the site, and describes the plans to clean up the site to protect public health and the environment.

This cleanup plan provides a very high level of protection for neighboring communities. This cleanup plan also includes many other elements that address common community concerns, such as community air monitoring, odor, dust and noise controls, hours of operation, good housekeeping and cleanliness, truck management and routing, and opportunities for community participation. The purpose of this Community Protection Statement is to explain these community protection measures in non-technical language to simplify community review.

Remedial Investigation and Cleanup Plan. Under the NYC BCP, a thorough cleanup study of this property (called a remedial investigation) has been performed to identify past property usage, to sample and test soils, groundwater and soil vapor, and identify contaminant sources present on the property. The cleanup plan has been designed to address all contaminant sources that have been identified during the study of this property.

Identification of Sensitive Land Uses. Prior to selecting a cleanup, the neighborhood was evaluated to identify sensitive land uses nearby, such as schools, day care facilities, hospitals and residential areas. The cleanup program was then tailored to address the special conditions of this community.

Qualitative Human Health Exposure Assessment. An important part of the cleanup planning for the Site is the performance of a study to find all of the ways that people might come in contact with contaminants at the Site now or in the future. This study is called a Qualitative Human Health Exposure Assessment (QHHEA). A QHHEA was performed for this project. This assessment has considered all known contamination at the Site and evaluated the potential for people to come in contact with this contamination. All identified public exposures will be addressed under this cleanup plan.

Health and Safety Plan. This cleanup plan includes a Health and Safety Plan that is designed to protect community residents and on-Site workers. The elements of this plan are in compliance with safety requirements of the United States Occupational Safety and Health Administration. This plan includes many protective elements including those discussed below.

Site Safety Coordinator. This project has a designated Site safety coordinator to implement the Health and Safety Plan. The safety coordinator maintains an emergency contact sheet and protocol for management of emergencies. The Site safety coordinator is Ashutosh Sharma and can be reached at 917-842-6781.

Worker Training. Workers participating in cleanup of contaminated material on this project are required to be trained in a 40-hour hazardous waste operators training course and to take annual refresher training. This pertains to workers performing specific tasks including removing contaminated material and installing cleanup systems in contaminated areas.

Community Air Monitoring Plan. Community air monitoring will be performed during this cleanup project to ensure that the community is properly protected from contaminants, dust and odors. Air samples will be tested in accordance with a detailed plan called the Community Air Monitoring Plan or CAMP. Results will be regularly reported to the NYC Office of Environmental Remediation. This cleanup plan also has a plan to address any unforeseen problems that might occur during the cleanup (called a 'Contingency Plan').

Odor, Dust and Noise Control. This cleanup plan includes actions for odor and dust control. These actions are designed to prevent off-Site odor and dust nuisances and includes steps to be taken if nuisances are detected. Generally, dust is managed by application of physical covers and by water sprays. Odors are controlled by limiting the area of open excavations, physical covers, spray foams and by a series of other actions (called operational measures). The project is also required to comply with NYC noise control standards. If you observe problems in these areas, please contact the onsite Project Manager Bryan Zieroff at 914-922-2382 or NYC Office of Environmental Remediation Project Manager Michael C. Mandac at 212-676-0754.

Quality Assurance. This cleanup plan requires that evidence be provided to illustrate that all cleanup work required under the plan has been completed properly. This evidence will be

summarized in the final report, called the Remedial Action Report. This report will be submitted to the NYC Office of Environmental Remediation and will be thoroughly reviewed.

Storm-Water Management. To limit the potential for soil erosion and discharge, this cleanup plan has provisions for storm-water management. The main elements of the storm water management include physical barriers such as tarp covers and erosion fencing, and a program for frequent inspection.

Hours of Operation. The hours for operation of cleanup will comply with the NYC Department of Buildings construction code requirements or according to specific variances issued by that agency.

Signage. While the cleanup is in progress, a placard will be prominently posted at the main entrance of the property with a laminated project Fact Sheet that states that the project is in the NYC Brownfield Cleanup Program, provides project contact names and numbers, and locations of project documents can be viewed.

Complaint Management. The contractor performing this cleanup is required to address all complaints. If you have any complaints, you can call the Project Manager Bryan Zieroff at 914-922-2382, the NYC Office of Environmental Remediation Project Manager Michael C. Mandac at 212-676-0754, or call 311 and mention the Site is in the NYC Brownfield Cleanup Program.

Utility Mark-outs. To promote safety during excavation in this cleanup, the contractor is required to first identify all utilities and must perform all excavation and construction work in compliance with NYC Department of Buildings regulations.

Soil and Liquid Disposal. All soil and liquid material removed from the Site as part of the cleanup will be transported and disposed of in accordance with all applicable City, State and Federal regulations and required permits will be obtained.

Soil Chemical Testing and Screening. All excavations will be supervised by a trained and properly qualified environmental professional. In addition to extensive sampling and chemical testing of soils on the Site, excavated soil will be screened continuously using hand-held instruments, by sight, and by smell to ensure proper material handling and management, and community protection.

Stockpile Management. Soil stockpiles will be kept covered with tarps to prevent dust, odors and erosion. Stockpiles will be frequently inspected. Damaged tarp covers will be promptly replaced. Stockpiles will be protected with silt fences. Hay bales will be used, as needed to protect storm water catch basins and other discharge points.

Trucks and Covers. Loaded trucks leaving the Site will be covered in compliance with applicable laws and regulations to prevent dust and odor. Trucks will be properly recorded in logs and records and placarded in compliance with applicable City, State and Federal laws, including those of the New York State Department of Transportation. If loads contain wet material that can leak, truck liners will be used. All transport of materials will be performed by licensed truckers and in compliance with all laws and regulations.

Imported Material. All fill materials proposed to be brought onto the Site will comply with rules outlined in this cleanup plan and will be inspected and approved by a qualified worker located on-Site. Waste materials will not be brought onto the Site. Trucks entering the Site with imported clean materials will be covered in compliance with applicable laws and regulations.

Equipment Decontamination. All equipment used for cleanup work will be inspected and washed, if needed, before it leaves the Site. Trucks will be cleaned at a truck inspection station on the property before leaving the Site.

Housekeeping. Locations where trucks enter or leave the Site will be inspected every day and cleaned regularly to ensure that they are free of dirt and other materials from the Site.

Truck Routing. Truck routes have been selected to: (a) limit transport through residential areas and past sensitive nearby properties; (b) maximize use of city-mapped truck routes; (c) limit total distance to major highways; (d) promote safety in entry to highways; (e) promote overall safety in trucking; and (f) minimize off-Site line-ups (queuing) of trucks entering the property. Operators of loaded trucks leaving the Site will be instructed not to stop or idle in the local neighborhood.

The outbound truck routes are shown on Figure 8.

Final Report. The results of all cleanup work will be fully documented in a final report (called a Remedial Action Report) that will be available for you to review in the public document

repositories located at The Brooklyn Public Library: Leonard Branch, 81 Devoe Street, Brooklyn, New York.

Long-Term Site Management. To provide long-term protection after the cleanup is complete, the property owner will be required to comply with an ongoing Site Management Plan that calls for continued inspection of protective controls, such as Site covers. The Site Management Plan is evaluated and approved by the NYC Office of Environmental Remediation. Requirements that the property owner must comply with are defined in the property's deed. A certification of continued protectiveness of the cleanup will be required from time to time to show that the approved cleanup is still effective.

REMEDIAL ACTION WORK PLAN

1.0 SITE BACKGROUND

250 North 10th Street, LLC has enrolled in the New York City Brownfield Cleanup Program (NYC BCP) to investigate and remediate a property located at 264 North 10th Street in the Williamsburg section of Brooklyn, New York (the Site). A Remedial Investigation (RI) was performed to compile and evaluate data and information necessary to develop this Remedial Action Work Plan (RAWP) in a manner that will render the Site protective of public health and the environment consistent with the contemplated end use. This RAWP establishes remedial action objectives, provides a remedial alternatives analysis that includes consideration of a permanent cleanup, and provides a description of the selected remedial action. The remedial action described in this document provides for the protection of public health and the environment, complies with applicable environmental standards, criteria and guidance and applicable laws and regulations.

1.1 SITE LOCATION AND CURRENT USAGE

The Site is located at 264 North 10th Street in the Williamsburg section in Brooklyn, New York and is identified as Block 2307 and Lot 1 (formerly Lots 1, 14, 16, 19, and 31) on the New York City Tax Map. Figure 1 shows the Site Location Map. The Site is approximately 50,000 square feet and is bounded by Roebling Street to the northwest, North 10th Street to the northeast, Union Avenue to the east, and Withers Street to the south. The majority of the southwestern border of the Site is bounded by adjacent lots within the site block, with a portion of the Site (Lot 31) extending to North 9th Street. A map of the site boundary and lot numbers are shown in Figure 2. Currently, the Site is vacant and contains foundation elements associated with the early stages of site redevelopment by a previous developer.

1.2 PROPOSED REDEVELOPMENT PLAN

The proposed future use of the Site will consist of a six story residential building and parking garage. Layout of the proposed site development is presented in Figure 3. The current zoning designation is M1-2/R6A, which is a mixed use designation consisting of manufacturing and residential districts. The proposed use is consistent with existing zoning for the property.

The proposed redevelopment plan includes the construction of one 50,000 square foot, six floor residential building that will occupy the entire site and achieve full build-out to the property boundary. The residential building will include an open common area that connects to a parking garage. The parking garage will occupy the ground floor of the building, which will be partially underground at a depth of approximately 1 to 2 feet below sidewalk-level grade (ft bg). The living spaces on the first floor will be above the parking garage. The lowest level of the open common space and parking garage will have a walk-up ramp connecting to the first floor residential area. The foundation elements will be located within one foot of the seasonal high water table. Sidewalk landscaping will include above ground planters. A substantial portion of the site was previously excavated to a depth of approximately one foot below sidewalk-level grade, and a soil pile consisting of approximately 1,000 cubic yards exists on the south/southeastern portion of the site. A site-wide general cut of two feet below the existing elevation (to 3 feet below sidewalk grade), and an additional localized cut of 2 feet (to 5 feet below sidewalk-level grade) for two elevator pit locations, will be completed to satisfy the excavation requirements for full build-out of the Site. The excavation for the elevator pits is expected to extend into the water table. The remaining excavation work will generate approximately 1,800 cubic yards of material. Approximately 2,800 cubic yards of soil, inclusive of the existing soil pile, will be exported off-site for disposal.

1.3 DESCRIPTION OF SURROUNDING PROPERTY

The Site is bounded to the northwest by Roebling Street, followed by warehouses, a parking lot and residential structures. North 10th Street abuts the Site to the northeast followed by a residential structure, a Glass and Plastics Containers warehouse, and an automotive repair shop. Union Avenue abutted the Site to the east, followed by a vacant lot and residential development. Truck parking lots, vacant land, and residential structures abuts the southwestern portion of the Site followed by North 9th Street. Northside Catholic Academy School is located on the northwestern side of the south-adjacent block. The Williamsburg Neighborhood Nursery School is located on the north end of the south-adjacent block across Withers Street. McCarren Park is located approximately 480 feet northeast of the Site.

Figure 4 shows the Surrounding Land Usage Plan.

1.4 REMEDIAL INVESTIGATION

The results of the Phase II Subsurface Investigation included the following:

Soil encountered in the borings included urban fill materials consisting of sand, silt, and gravel with ash, brick, coal, wood, and glass to approximately 10 to 15 feet below existing grade. No indications of contamination (e.g., photoionization detector readings, staining or odors) were detected in any of the recovered soil.

Groundwater was encountered at approximately 4 feet below sidewalk level. No odors, sheen or measured separate phase product were noted on the purged groundwater prior to sampling at each temporary well location. Groundwater would be expected to flow in a northwesterly direction toward the East River, which is located approximately 3,000 feet to the northwest of the Site.

Soil analytical results from the August 2006 Hydro Tech Environmental Site Investigation Report indicated that volatile organic compounds (VOCs), including chloroform, acetone, benzene, methyl ethyl ketone (MEK), trichloroethene (TCE), toluene, tetrachloroethene (PCE), and naphthalene were detected at concentrations below the NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (UUSCOs).

Semi-volatile organic compounds (SVOCs) were detected in shallow (0 to 2 feet) and deep (>6 feet) soil samples at concentrations that exceeded the UUSCOs and/or Restricted Use Restricted-Residential Soil Cleanup Objectives (RRSCOs). The SVOCs detected (including benzo(a)anthracene, benzo(a)pyrene, benzo(a)fluoranthene, chrysene) were indicative of historic fill.

No PCBs or pesticides were detected in the soil samples above the laboratory detection limits.

Metals, including arsenic, barium, cadmium, copper, lead, manganese, mercury, and zinc were detected in shallow soil (0 to 2 feet) and deep soil (>6 feet) at concentrations exceeding the UUSCOs and RRSCOs.

Based on the results from the Hydro Tech Environmental report, a targeted analysis of metals (copper, mercury, arsenic, barium, and cadmium) at depths greater than 6 feet below sidewalk level was conducted by AKRF. Copper, lead, and mercury exceeded the UUSCOs and RRSCOs in the sampled locations.

Groundwater analytical results indicated that VOCs were not detected above the Class GA Ambient Water Quality Standard (GAWQS). SVOCs, including benzo(a)pyrene, benzo(b)fluoranthene and indeno(1,2,3-cd)pyrene, were detected in groundwater samples at

concentrations slightly exceeding their respective GQS. The SVOCs detected are most likely attributable to the presence of suspended sediment (including urban fill materials) entrained in the samples. Total metals analysis (unfiltered) indicated the presence of 14 metals that exceeded their respective GQS in one or more of the groundwater samples. The analytical results suggest that metals detections in the unfiltered (total) analysis are primarily due to suspended sediments.

Dissolved metals analysis (filtered) indicated the presence of manganese and sodium at concentrations exceeding their respective GQS in all of the groundwater samples. Iron exceeded the GQS in samples GW-8 and GW-12. Lead, magnesium and selenium exceeded the GQS in sample GW-8. PCBs and pesticides were not detected in the groundwater samples.

Soil gas analytical results indicated that VOCs were detected in the soil gas samples at concentrations above their respective Health Effects Institute (HEI), United States Environmental Protection Agency (USEPA) and New York State Department of Health (NYSDOH) air guidance values (AGVs). The concentrations were observed to be randomly dispersed throughout the subsurface; no specific on-site source area of the vapors could be ascertained from the soil gas, soil, or groundwater data.

2.0 REMEDIAL ACTION OBJECTIVES

Based on the results of the RI, the following Remedial Action Objectives (RAOs) have been identified for this Site:

Soil

- Prevent direct contact with contaminated soil.
- Prevent migration of contaminants that would result in groundwater or surface water contamination.

Groundwater

- Prevent direct exposure to contaminated groundwater.
- Prevent exposure to contaminants volatilizing from contaminated groundwater.

Soil Vapor

- Prevent exposure to contaminants in soil vapor.
- Prevent migration of soil vapor into dwelling and other occupied structures.

3.0 REMEDIAL ALTERNATIVES ANALYSIS

Two remedial alternatives were developed to achieve the remedial action objectives established for the Site, as described in this section. These alternatives are consistent with the Brownfield Cleanup Program (BCP) guidelines for a site determined not to pose a significant threat to public health or the environment.

Remedial Alternative #1: Track 1 Cleanup

Remedial Alternative #1 involves conducting remedial activities to address subsurface soil and groundwater contamination through complete source removal. It would consist of excavating and disposing of all contaminated soil, fill material, and native soil that contain contaminant concentrations above the NYSDEC Part 375 Unrestricted Use (Track 1) Soil Cleanup Objective (SCOs). This would include removing the urban historic fill from the entire Site, including soil below the water table, to a depth up to 12 feet below sidewalk-level grade. Dewatering would be utilized to lower the water table and access the contaminated soil below the zone of saturation, which exists at approximately 3 to 5 feet below sidewalk-level grade. The dewatering components would include excavation stabilization controls, pumps, a series of holding tanks to allow for separation of sediment, a mobile treatment unit, and NYCDEP permit-approved disposal into the sewer system. Site controls, including a Construction Health and Safety Plan (CHASP), a Community Air Monitoring Plan, and an Erosion and Sediment Control (E&SC) Plan, would be implemented during remedial activities to prevent unacceptable exposure to Site workers, the surrounding community, and nearby surface water. The footings and foundation would be constructed after the removal of the contaminated fill material and backfilling the site with clean fill to the required elevations needed to construct the foundation elements.

Remedial Alternative #2: Track 4 Cleanup

Alternative #2 involves conducting remedial activities to address subsurface soil and groundwater contamination based on the intended or planned use for the Site. It would consist of excavating and disposing of accessible contaminated soil, fill material, and native soil above the water table that contain contaminant concentrations above the Track 4 SCOs. The Track 4 SCOs can be found in Table 4. The extent of the removal of subsurface contaminants at the Site in this

alternative would be to ensure that the occupants of the Site would not be exposed to contaminants left in place and that these contaminants will not create future off-site contamination or adversely affect public health or the environment. As part of the remedial action, a vapor barrier and composite cover system would cap the entire site. Site redevelopment includes a full build-out with a residential building and a parking garage. The fill material to a depth of 3 feet below the sidewalk level would be removed from Site with an additional localized cut of 2 feet (to 5 feet below sidewalk-level grade) for two elevator pit locations shown in Figure 6. The elevator pits extend into the seasonal-high water table, and localized, intermittent dewatering may be required during construction of the pits. Any water removed during dewatering would be containerized in a holding tank and disposed of off-site in accordance with all local, state, and federal regulations. Additional fill material from four locations, identified as borings B-2, B-8, B-12, and B-15 on Figure 5 where contaminant levels exceed the Track 4 SCOs, would be removed down to the water table (expected depth of 3 to 5 feet below sidewalk-level grade). The remaining fill material with contaminant concentrations below the Track 4 SCOs would remain and be isolated below the site cap. Any unknown underground storage tanks or petroleum-contaminated soil would be removed if encountered. Site controls, including a CHASP, Community Air Monitoring Plan (CAMP), and E&SC Plan, would be implemented during remedial activities to prevent unacceptable exposure to Site workers, the surrounding community, and nearby surface water. The foundation and additional footings would be constructed after the removal of the contaminated fill material to the desired excavation elevations. Engineering controls (EC) and institutional controls (IC) would be implemented to ensure minimal exposure.

3.1 THRESHOLD CRITERIA

Protection of Public Health and the Environment

This criterion is an evaluation of the remedy's ability to protect public health and the environment, and an assessment of how risks posed through each existing or potential pathway of exposure are eliminated, reduced or controlled through removal, treatment, and implementation of Engineering Controls or Institutional Controls. Protection of public health and the environment must be achieved for all approved remedial actions.

Alternative #1 would provide overall protection of public health and the environment because all contaminants exceeding Track 1 SCOs would be removed from the Site. Future residents would have the potential to be exposed to contaminant vapors from off-site sources that may migrate from soil gas into the proposed residential building.

Alternative #2 would provide protection of public health and the environment, provided that all accessible contaminants above Track 4 SCOs above the water table are removed and engineering and institutional controls are implemented and maintained. Future residents would not be exposed to contaminant vapors from on-site or off-site sources that may migrate from soil gas into the proposed residential building, due to the use of a vapor barrier and composite cover system below the building foundation.

For both alternatives, there could be some exposure to on-site workers and residents during the remediation process. This will be mitigated through the sequencing of remedial activities and implementation of a CHASP, including a CAMP. The construction workers would follow procedures of an approved Construction Health and Safety Plan (CHASP) to address measures to be observed if an underground storage tank or other unknown condition is discovered. Specialized workers with 40-hour HAZWOPER training would be utilized if such conditions are encountered.

3.2. BALANCING CRITERIA

Compliance with Standards, Criteria and Guidance (SCGs)

Alternative #1 would comply with the Standards, Criteria, and Guidance (SCGs), because contaminants left in place would be at concentrations below the Track 1 SCOs, which would be protective of public health, and would not result in groundwater or surface water violations.

Alternative #2 would comply with the Standards, Criteria, and Guidance (SCGs), because the remaining contaminants at the Site would be isolated beneath the building to prevent direct exposure, and would be at concentrations below the Track 4 SCOs, which would not result in future air or off-site groundwater quality standard violations.

Short-term effectiveness and impacts

This evaluation criterion assesses the effects of the alternative during the construction and implementation phase until remedial action objectives are met. Under this criterion, alternatives are evaluated with respect to their effects on public health and the environment during implementation of the remedial action, including protection of the community, environmental impacts, time until remedial response objectives are achieved, and protection of workers during remedial actions.

Alternative #1 would provide short-term effectiveness because there would be controls in place, such as a CHASP and a CAMP, to minimize direct exposure to contaminants by construction workers for the proposed development. In addition, controlled storm water runoff would prevent contaminants from leaving the site. The timeframe for short-term exposure would be extended while completing Alternative #1 due to the requirement for excavation shoring, the increased amount of soil that would be removed, and the need to complete dewatering activities, including removal, treatment, and permit-approved disposal of groundwater.

Alternative #2 would provide short-term effectiveness because there would be controls in place, such as a CHASP and a CAMP, to minimize direct exposure to contaminants by construction workers for the proposed development. In addition, controlled storm water runoff would prevent contaminants from leaving the site. The period of short term exposure would conclude once the foundation elements and cover system are in place.

Long-term effectiveness and permanence

This evaluation criterion addresses the results of a remedial action in terms of its permanence and quantity/nature of waste or residual contamination remaining at the Site after response objectives have been met, such as permanence of the remedial alternative, magnitude of remaining contamination, adequacy of controls including the adequacy and suitability of ECs/ICs that may be used to manage contaminant residuals that remain at the Site and assessment of containment systems and ICs that are designed to eliminate exposures to contaminants, and long-term reliability of Engineering Controls.

Alternative #1 would provide long-term effectiveness and permanence as all material above the Track 1 SCOs would be removed.

Alternative #2 would provide long-term effectiveness and permanence. The site building with vapor barrier, and implemented ICs, including annual certification of the ECs, would adequately prevent exposure on a long term basis to residual contaminants in fill material isolated below the building foundation.

Reduction of toxicity, mobility, or volume of contaminated material

This evaluation criterion assesses the remedial alternative's use of remedial technologies that permanently and significantly reduce toxicity, mobility, or volume of contaminants as their principal element. The following is the hierarchy of source removal and control measures that are to be used to remediate a Site, ranked from most preferable to least preferable: removal and/or treatment, containment, elimination of exposure and treatment of source at the point of exposure. It is preferred to use treatment or removal to eliminate contaminants at a Site, reduce the total mass of toxic contaminants, cause irreversible reduction in contaminants mobility, or reduce of total volume of contaminated media.

Contaminant toxicity, mobility, and volume would be reduced if Alternative #1 is implemented, as all of the contaminated material that could create a potential adverse effect on public health or the environment would be removed.

Contaminant toxicity, mobility, and volume would be reduced if Alternative #2 is implemented. All contaminated material that exists within the top 3 feet, with additional soil removal to 5 feet below sidewalk-level at elevator pits and hot spots, would be removed, and elimination of exposure would be achieved for the remaining residual contaminants that are below site-approved SCOs by installation of the site cap, and implementing the ICs.

Implementability

This evaluation criterion addresses the technical and administrative feasibility of implementing an alternative and the availability of various services and materials required during its implementation, including technical feasibility of construction and operation, reliability of the selected technology, ease of undertaking remedial action, monitoring considerations, administrative feasibility (e.g. obtaining permits for remedial activities), and availability of services and materials.

Alternative #1 requires site approvals and construction permits prior to its implementation. In addition a NYCDEP permit would be required for the discharge of treated groundwater generated during dewatering. Additional construction measures, including sheeting and controls for stabilization of the excavation, would be required to reach the excavation depths of up to 12 feet below grade. Up to 17,200 yards of additional soil would be removed and disposed of off-site, relative to Alternative #2, and an equal number of additional truck trips would be required to import clean fill to return the site to ready status for building construction. This remedial work would be completed within eight months of the commencement of activities.

Alternative #2 requires site approvals and construction permits prior to its implementation. An NYCDEP discharge permit would not be required as any localized dewatering, if necessary, would be containerized and shipped off-site with Alternative #2. Logistical requirements associated with staging and utilizing construction equipment would be more feasible without the presence of holding tanks and having a reduced soil handling requirement. Although the remedial timeframe is complete once the ICs are in place at the end of the construction timeframe, the residual contaminants are rendered inaccessible after the foundation elements are in place, which would be completed within six months of the commencement of activities.

Cost effectiveness

This evaluation criterion addresses the cost of alternatives, including capital costs (such as construction costs, equipment costs, and disposal costs, engineering expenses) and site management costs (costs incurred after remedial construction is complete) necessary to ensure the continued effectiveness of a remedial action.

The cost to complete Alternative #1 is estimated to be \$6,000,000. Remediation costs include the design of appropriate shoring measures to reach the required excavation depth of up to 12 feet below grade, the equipment and man hours to complete the excavation work, stockpiling, soil disposal, backfilling with clean fill, and the handling, storage, treatment, and disposal of contaminated groundwater generated during dewatering. Approximately 19,000 cubic yards of soil would be removed and disposed of off-site, and approximately 17,200 cubic yards of clean fill would be imported to the site to prepare for construction of the foundation elements.

The cost to complete Alternative #2 is estimated to be \$1,250,000. Remediation costs include the removal of approximately 2,800 cubic yards of soil, the installation of a vapor barrier beneath the building foundation, and the implementation of a deed restriction to manage residual soil/fill and other media and render the Site protective of public health and the environment.

Community Acceptance

This evaluation criterion addresses community opinion and support for the remedial action. Observations here will be supplemented by public comment received on the RAWP.

Land use

This evaluation criterion addresses the proposed use of the property. This evaluation has considered reasonably anticipated future uses of the Site and takes into account: current use and historical and/or recent development patterns; applicable zoning laws and maps; NYS Department of State's Brownfield Opportunity Areas (BOA) pursuant to section 970-r of the general municipal law; applicable land use plans; proximity to real property currently used for residential use, and to commercial, industrial, agricultural, and/or recreational areas; environmental justice impacts, Federal or State land use designations; population growth patterns and projections; accessibility to existing infrastructure; proximity of the site to important cultural resources and natural resources, potential vulnerability of groundwater to contamination that might emanate from the site, proximity to flood plains, geography and geology; and current Institutional Controls applicable to the site.

The site is currently vacant. The proposed used includes a six floor residential apartment building and parking garage. The redevelopment plan reduces existing toxicity at the Site, prevents degradation of groundwater, limits exposure to any residual contaminants isolated beneath the building and cover system, and provides an end use that is consistent with the current zoning laws and surrounding uses.

Sustainability of the Remedial Action

This criterion evaluates the overall sustainability of the remedial action alternatives and the degree to which sustainable means are employed to implement the remedial action including those that take into consideration NYC's sustainability goals defined in *PlaNYC: A Greener*,

Greater New York. Sustainability goals may include: maximizing the recycling and reuse of non-virgin materials; reducing the consumption of virgin and non-renewable resources; minimizing energy consumption and greenhouse gas emissions; improving energy efficiency; and promotion of the use of native vegetation and enhancing biodiversity during landscaping associated with Site development.

Alternative #1 includes the include removal of all contaminated fill material. There would be no reuse of soil that exceeds the Track 1 SCOs. Alternative #1 would require a higher level of energy consumption to dewater the site, and excavate, transport, and dispose of the additional soil required to meet the UUSCOs. Additional energy demand would be included for transportation of imported clean soil to backfill the site.

Alternative #2 would require less energy as excavation is limited to three feet below sidewalk grade and four localized hot spots. The importation of clean fill would not be required, which would reduce energy consumption for site equipment and truck traffic. By reducing the amount of soil that is required to be handled, Alternative #2 would result in a reduction of energy consumption, improved efficiency, and a shorter timeframe for implementation.

Both alternatives would use renewable and energy efficient building materials, and energy efficient equipment.

4.0 REMEDIAL ACTION

4.1 SUMMARY OF PREFERRED REMEDIAL ACTION

The preferred remedial action alternative is the Track 4 Alternative. The preferred remedial action alternative achieves protection of public health and the environment for the intended use of the property. The preferred remedial action alternative will achieve all of the remedial action objectives established for the project and addresses applicable SCGs. The preferred remedial action alternative is effective in both the short-term and long-term and reduces mobility, toxicity and volume of contaminants. The preferred remedial action alternative is cost effective, is more sustainable by reusing non-virgin material and using less energy to complete, is more efficient to implement, and uses standards methods that are well established in the industry.

The proposed remedial action will consist of:

1. Preparation of a Community Protection Statement and implementation of a Citizen Participation Plan.
2. Perform a Community Air Monitoring Program during construction for particulates and volatile organic carbon compounds.
3. Excavation and removal of contaminated fill to a depth of 3 feet below sidewalk-level grade, removal of contaminated fill at two elevator pit locations to a depth of 5 feet below sidewalk-level grade, and additional excavation of soil from four hot spot locations where contaminants exceed the Track 4 SCOs, to the water table, which is anticipated to be encountered at 3 to 5 feet below sidewalk-level grade.
4. The criterion attached in Appendix 8 will be utilized if a petroleum containing tank or vessel is identified during the remedial action or subsequent redevelopment excavation activities. All petroleum spills will be reported to the NYSDEC hotline as required by applicable laws and regulations. This contingency plan is designed for heating oil tanks and other small and moderately sized storage vessels. If larger tanks, such as gasoline storage tanks are identified, OER will be notified before this criterion is utilized.
5. Construction and maintenance of an engineered composite cover consisting of a building slab to prevent human exposure to residual soil/fill remaining under the Site.

6. Installation of a vapor barrier system beneath the building slab.
7. Transportation and off-Site disposal of all soil/fill material at permitted facilities in accordance with applicable laws and regulations for handling, transport, and disposal, and this plan. Sampling and analysis of excavated media as required by disposal facilities. Appropriate segregation of excavated media onsite.
8. Screening of excavated soil/fill during intrusive work for indications of contamination by visual means, odor, and monitoring with a PID.
9. Collection of end point samples at the site - see Figure 5 for the End Point Sampling Map showing results collected prior to initiating the RAWP.
10. Site mobilization involving Site security setup, equipment mobilization, utility mark outs and marking and staking excavation areas.
11. Implementation of storm-water pollution prevention measures in compliance with applicable laws and regulations.
12. Performance of all activities required for the remedial action, including permitting requirements and pretreatment requirements, in compliance with applicable laws and regulations.
13. Submission of a RAR that describes the remedial activities, certifies that the remedial requirements have been achieved, defines the Site boundaries, and describes all Engineering and Institutional Controls to be implemented at the Site, and lists any changes from this RAWP.
14. Submission of an approved Site Management Plan (SMP) in the RAR for long-term management of residual contamination, including plans for operation, maintenance, monitoring, inspection and certification of Engineering and Institutional Controls and reporting at a specified frequency.
15. Recording of a Declaration of Covenants and Restrictions that includes a listing of Engineering Controls and a requirement that management of these controls must be in compliance with an approved SMP; and Institutional Controls including prohibition of the following: (1) vegetable gardening and farming; (2) use of groundwater without

treatment rendering it safe for the intended use; (3) disturbance of residual contaminated material (where Track 1 SCOs are not achieved) unless it is conducted in accordance with the SMP; and (4) higher level of land usage without OER-approval (unless Track 1 SCOs are achieved).

4.2 SOIL CLEANUP OBJECTIVES AND SOIL/FILL MANAGEMENT

Track 4 Soil Cleanup Objectives (SCOs) are proposed for this project. The SCOs for this Site include the Restricted Residential SCOs with additional site-specific SCOs that are listed in Table 4. Soil and materials management on-Site and off-Site, including excavation, handling and disposal, will be conducted in accordance with the Soil/Materials Management Plan in Appendix 3. The location of planned excavations is shown in Figure 6.

Discrete contaminant sources (such as hotspots) identified during the remedial action will be identified by GPS or surveyed. This information will be provided in the Remedial Action Report.

Estimated Soil/Fill Removal Quantities

The total quantity of soil/fill expected to be excavated and disposed off-Site is 2,800 cubic yards. The disposal facilities will be reported to OER when they are identified and prior to the start of remedial action. At a minimum, the name of the facility, the location, the type of material disposed at the facility, and the estimated quantity will be reported to OER when identified and prior to remedial action.

End-Point Sampling

In situ sampling and laboratory analysis, as described in the RIR, was completed prior to initiating site development to delineate excavation geometry and identify the soil removal area. All soil existing within the identified excavation limits will be removed and properly disposed off-site.

Removal actions under this plan will be performed in conjunction with remedial end-point sampling. End-point sampling was completed prior to initiating the RAWP. Additional endpoint sampling will consist of the following:

1. Collection of one soil sample at the bottom of each of the four (4) hot spot excavations for laboratory analysis of arsenic, lead, and mercury.

2. If unknown areas of gross contamination, including LNAPL or DNAPL, are detected, appropriate samples will be collected for characterization and/or finger print analysis, and required regulatory reporting (i.e. spills hotline) will be performed. The gross contamination will be removed and end-point sampling will be completed in accordance with the following procedures:

a. For excavations less than 20 feet in total perimeter, at least one bottom sample and one sidewall sample biased in the direction of surface runoff.

b. For excavations 20 to 300 feet in perimeter:

- For surface removals, one sample from the top of each sidewall for every 30 linear feet of sidewall and one sample from the excavation bottom for every 900 square feet of bottom area.
- For subsurface removals, one sample from each sidewall for every 30 linear feet of sidewall and one sample from the excavation bottom for every 900 square feet of bottom area.

c. For sampling of volatile organics, bottom samples would be taken within 24 hours of excavation, and would be taken from the zero to six-inch interval at the excavation floor. Samples taken after 24 hours would be taken at six to twelve inches.

For contaminated soil removal, post remediation soil samples for laboratory analysis should be taken immediately after contaminated soil removal. If the excavation is enlarged horizontally, additional soil samples will be taken pursuant to bullets 2.a-c above.

Post-remediation sample locations and depth will be biased towards the areas and depths of highest contamination identified during previous sampling episodes unless field indicators such as field instrument measurements or visual contamination identified during the remedial action indicate that other locations and depths may be more heavily contaminated. In all cases, post-remediation samples should be biased toward locations and depths of the highest expected contamination.

New York State ELAP certified labs will be used for all end-point sample analyses. Labs for end-point sample analyses will be reported in the RAR. The RAR will provide a tabular and map summary of all end-point sample results and will include all data including non-detects and applicable standards and/or guidance values. End-point samples will be analyzed for trigger analytes (those for which Restricted Use Restricted-Residential SCOs exceedances are identified) based on field observations.

Quality Assurance/Quality Control

If endpoint sampling is required to address unknown areas of contamination encountered during redevelopment, additional analysis will be included for quality control measures, as required by the Category B sampling techniques. These samples will include trip blanks, matrix spike/matrix spike duplicates (MS/MSD), and duplicate/blind duplicate samples at a frequency of one sample per 20 field samples collected.

Import and Reuse of Soils

Import of soils onto the property is not expected to be required. Reuse of soils already onsite will be performed in conformance with the Soil/Materials Management Plan in Appendix 3. The estimated quantity of onsite soil/fill expected to be reused/relocated on Site is approximately 650 cubic yards.

4.3 ENGINEERING CONTROLS

Engineering Controls will be employed during the remedial action to address residual contamination remaining at the site. The Site has two primary Engineering Control Systems. These are:

- A site wide composite cover system consisting of a concrete building slab; and
- Soil vapor barrier;

The purpose of the Engineering Control is limit exposure to fill materials that will remain on-site beneath the building slab and prevent potential vapors from entering the building.

Composite Cover System

Exposure to residual soil/fill will be prevented by a concrete building slab to be built on the Site. This composite cover system is comprised of a concrete building slab. Figure 7 shows the typical design for concrete slab proposed to be used on this Site. The development plan includes full build-out with the foundation slab for the building and parking garage covering the entire site.

The site building is a permanent engineering control for the Site. The system will be inspected and reported at specified intervals as required by this RAWP and the Site Management Plan (SMP). A Soil Management Plan will be included in the Site Management Plan and will outline the procedures to be followed in the event that the composite cover system and underlying residual soil/fill is disturbed after the remedial action is complete. Maintenance of this composite cover system will be described in the Site Management Plan in the RAR.

Vapor Barrier

Migration of soil vapor will be mitigated with a combination of the building foundation slab and the vapor barrier.

The design for the vapor barrier consisted of Grace Preprufe[®] 300R membrane applied to the underside of the foundation. Any penetrations through the foundation would be sealed with Grace Bituthene[®] liquid membrane. The sidewalls of the foundation will be sealed with Grace Bituthene[®] liquid up to grade level. The vapor barrier would serve to prevent potential vapors from entering the building from the subsurface. Detailed certified drawings prepared by a PE or RA of Record depicting the extent of the proposed waterproofing/vapor barrier membrane and the installation details (penetrations, joints, etc.) with respect to the proposed building foundation, footings, slab, and sidewalls, and product specification sheets are provided as Appendix G. The Final Remedial Closure Report will include photographs (maximum of two photos per page) of the installation process, PE/RA certified letter (on company letterhead) from primary contractor responsible for installation oversight and field inspections, and a copy of the manufacturers certificate of warranty.

4.4 INSTITUTIONAL CONTROLS

Institutional Controls (IC) have been incorporated in this remedial action to manage residual soil/fill and other media and render the Site protective of public health and the environment. Institutional Controls are listed below. Long-term employment of EC/ICs will be established in a Declaration of Covenant and Restrictions (DCR) assigned to the property by the title holder and will be implemented under a site-specific Site Management Plan (SMP) that will be included in the RAR.

Institutional Controls for this remedial action are:

- Recording of an OER-approved Declaration of Covenant and Restrictions (DCR) with the City Register or county clerk, as appropriate. The DCR will include a description of all ECs and ICs, will summarize the requirements of the Site Management Plan, and will note that the property owner and property owner's successors and assigns must comply with the DCR and the approved SMP. The recorded DCR will be submitted in the Remedial Action Report. The DCR will be recorded prior to OER issuance of the Notice of Completion;
- Submittal of a Site Management Plan in the RAR for approval by OER that provides procedures for appropriate operation, maintenance, monitoring, inspection, reporting and certification of ECs. SMP will require that the property owner and property owner's successors and assigns will submit to OER a periodic written statement that certifies that: (1) controls employed at the Site are unchanged from the previous certification or that any changes to the controls were approved by OER; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. OER retains the right to enter the Site in order to evaluate the continued maintenance of any controls. This certification shall be submitted annually and will comply with RCNY §43-1407(1)(3).
- Vegetable gardens and farming on the Site are prohibited;
- Use of groundwater underlying the Site is prohibited without treatment rendering it safe for its intended use;

- All future activities on the Site that will disturb residual material must be conducted pursuant to the soil management provisions in an approved SMP;
- The Site will be used for residential use and will not be used for a higher level of use without prior approval by OER.

4.5 SITE MANAGEMENT PLAN

Site Management is the last phase of remediation and begins with the approval of the Remedial Action Report and issuance of the Notice of Completion (NOC) for the Remedial Action. The Site Management Plan (SMP) describes appropriate methods and procedures to ensure implementation of all ECs and ICs that are required by the DCR and this RAWP. The Site Management Plan is submitted as part of the RAR but will be written in a manner that allows its use as an independent document. Site Management continues until terminated in writing by OER. The property owner is responsible to ensure that all Site Management responsibilities defined in the DCR and the Site Management Plan are implemented.

The SMP will provide a detailed description of the procedures required to manage residual soil/fill left in place following completion of the remedial action in accordance with the Brownfield Cleanup Agreement with OER. This includes a plan for: (1) implementation of EC's and ICs; (2) implementation of monitoring programs; (3) operation and maintenance of EC's; (4) inspection and certification of EC's; and (5) reporting.

Site management activities, reporting, and EC/IC certification will be scheduled on a periodic basis to be established in the SMP and will be subject to review and modification by OER. The Site Management Plan will be based on a calendar year and certification reports will be due for submission to OER by March 31 of the year following the reporting period.

4.6 QUALITATIVE HUMAN HEALTH EXPOSURE ASSESSMENT

Conceptual Site Model

A conceptual site model (CSM) has been developed based on the findings from the subsurface investigations performed at the Site. The purpose of the CSM is to develop a simplified

framework for understanding the distribution of impacted materials, potential migration pathways, and potentially complete exposure pathways.

Known and Potential Sources

The Remedial Investigations identified elevated concentrations of metals in soil at the Site exceeding the Track 1 SCOs, which includes arsenic, barium, cadmium, chromium, copper, lead, manganese, nickel, and zinc. These contaminants appear to be a related constituent of the heterogeneous fill material (consisting of sand, silt, gravel, ash, brick, wood, and glass) and are not related to a spill or separate contaminant source. The RI also detected concentrations of VOCs in soil but did not exceed the Track 1 SCOs. The RI also identified elevated levels of SVOCs in soil minorly exceeding the Track 1 SCOs, including acenaphthene, benzo(a)anthracene, chrysene, benzo(a)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene, and benzo(g,h,i)perylene. The SVOCs appear to be a related constituent of the heterogeneous fill material at the site and are not related to a spill or separate contaminant source.

The RI identified detected levels of VOCs in groundwater which did not exceed the NYSDEC 6NYCRR Part 703.5 Groundwater Quality Standards (GQS). The RI identified elevated levels of SVOCs in groundwater minorly exceeding the GQS, including benzo(a)anthracene, benzo(a)pyrene, benzo(a)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene. The SVOCs in groundwater appear to be related to the elevated levels of SVOCs in the historic fill material at the Site. Elevated levels of metals were detected in the groundwater which exceeded the GQS, including iron, magnesium, manganese, selenium, and sodium.

The RI identified elevated concentrations of VOCs in the soil vapor, including 1,2,3-trimethylbenzene, 1,3-butadiene, 2-butanone, 4-ethyltoluene, 4-methyl-2-pentanone, acetone, benzene, carbon disulfide, ethanol, ethylbenzene, methylene chloride, n-hexane, o-xylene, p/m-xylene, tetrachloroethene, toluene, and trichloroethene.

Nature, Extent, Fate and Transport of Contaminants

Concentrations of SVOCs, and metals exceeding the Track 1 SCOs are present within the historic fill at the Site. These contaminants are a constituent of the historic fill material that was

used to fill the land for development purposes and is present to a depth of approximately 10 to 15 feet below sidewalk level grade. Based on the findings of the RI and the current site conditions, these contaminants are not mobile or migrating within or from the site.

Concentrations of SVOCs and metals exceeding the GQS are present in the groundwater at the Site. The depth of groundwater is 3 to 5 feet below sidewalk level at the Site. The source of the SVOC and metals contamination appears to be the historic fill from onsite.

There were elevated concentrations of VOCs in the soil gas and ambient air sampling. The source of the VOCs in soil vapor could be from an on-site or off-site petroleum release. No spills have been reported on site. It is expected that soil vapors would accumulate underneath the proposed building foundation. An engineered composite cover slab, consisting of the building poured foundation and a vapor barrier underneath the poured foundation, will act as a vertical barrier to any future soil vapors coming into the building.

Potential Routes of Exposure

Exposure can only occur if there is a complete pathway from a specific chemical of concern contained in one of the on-site media to a receptor. The mere presence of a chemical at a site is not in itself evidence that a complete exposure pathway will exist. Currently, there several potential migration pathways for absorptions, ingestion, and inhalation for soil and absorption and ingesting for groundwater since there are no existing structures at the site and the soil is exposed. The soil at the site is primarily contaminated with metals and SVOCs. The groundwater at the site is primarily contaminated with metals and SVOCs. There are VOC-contaminated soil vapors at the site.

The work performed at the site will include excavation of soil/fill material, dewatering and general construction activities and will affect the on-site construction/remediation workers and the off-site local population. The construction and remediation work at the site will expose the contaminants to the on-site workers in a variety of ways, including direct contact with the soil and groundwater (during dewatering) and inhalation/ingestion of soil (by means of fugitive dust), groundwater, and soil vapors. These exposures will be limited to short durations through the intrusive work. The construction and remediation work at the site may expose the contaminants

to off-site local residents in a variety of ways, including inhalation of soil (by means of fugitive dust) and soil vapors.

A Construction Health and Safety Plan will be implemented during construction and remediation work for the safety of the on-site workers and off-site local workers. Some measures include conducting a community air monitoring programs (CAMP) for dust and voc emissions to track the on-site and off-site conditions, requiring personal protective equipment, provisions for upgrading the level of personal protective equipment when needed, and applying dust and vapor suppression measures where applicable and needed, for on-site workers and the off-site local population.

Upon the completion of remediation and construction activities, the Site will be covered by engineering composite cover (i.e. building foundation and vapor barrier). The composite cover system will prevent direct human exposure to the impacted soil, groundwater, and soil vapors at the Site.

Existence of Human Health Exposure

An exposure pathway begins with a source of mechanism of contaminant release, resulting in the contamination of a receiving matrix (environmental medium). A complete exposure pathway also requires a point of potential contact with the contaminated matrix (i.e., exposure point), an exposure route (i.e. inhalation or ingestion), and a receptor population. If an exposure pathway is not complete because it does not include a contaminated matrix, a point of potential contact, an exposure route or a receptor, then no risk exists.

On-site sources of metals and SVOCs will be removed over the entire Site down to 3 feet and to 5 feet in the hotspot areas and the elevator pit areas. Any residual metal or SVOC contaminated soil not excavated from the site will be capped with an engineered composite cover (i.e. building foundation and vapor barrier), thereby eliminating the exposure pathway.

The groundwater at the site is contaminated with metals and SVOCs. The source of the metals and SVOCs in the groundwater is presumed to be the historic fill on the site. While the excavation will not fully address the historic fill at the site, any residual groundwater contamination will be addressed through the vapor barrier, which is a part of the engineered composite cover. Additionally, the building will receive potable water from a municipal source

and not the groundwater from the site. The vapor barrier will also prevent against any residual soil vapors trying to infiltrate the building from any current or future vapor intrusion.

Additionally,

Receptor Populations

Potential receptors include: on-site environmental and construction workers for the proposed redevelopment, on-site temporary workers (i.e. subcontractors and inspectors) for the proposed redevelopment, future residents of the proposed development, future on-site maintenance workers, off-site residents, off-site schoolchildren, off-site maintenance workers, and off-site surface water.

Overall Human Health Exposure Assessment

The proposed development requires excavation which will remove 90% of the contaminated soil/fill material on-site which exceeds the Track 1 SCOs. The Site will also be fully covered with an engineering composite cover (i.e. the building foundation and the vapor barrier) or two feet of certified clean cover material, eliminating any threat to human health or the environment. The groundwater at the site is not a source of drinking water, and a vapor barrier will be implemented at the site to address any residual and off-site sources of soil vapor.

Exposure to the contaminated media (soil, groundwater, and soil vapor) is most likely to occur during the remedial and construction work to both the on-site workers and the off-site local population. In order to eliminate or greatly reduce the possible exposure levels, a CHASP will be implemented in order to monitor dust and vapor emissions, set personal protective equipment requirements for on-site personnel, have provisions to increase the level of personal protective equipment as needed, and apply dust and vapor suppression measures where applicable and needed, for on-site workers and the off-site local population.

5.0 REMEDIAL ACTION MANAGEMENT

5.1 PROJECT ORGANIZATION AND OVERSIGHT

Principal personnel who will participate in the remedial action include:

Marc Godick, LEP AKRF Project Director and QEP

Bryan Zieroff, LEP AKRF Project Manager

Ashutosh Sharma AKRF Field Team Leader and Site Safety Officer

The Professional Engineer (PE) and Qualified Environmental Professionals (QEP) for this project are expected to be Michelle Lapin (New York State Professional Engineer #073934-1) and Marc Godick (Connecticut Department of Environmental Protection Licensed Environmental Professional, License #396).

5.2 SITE SECURITY

Site access will be controlled by construction fencing with gated entrances to the fenced Site. Barriers will be installed as needed to delineate and restrict access to the work areas. If there are any work areas of limited size, barrier tape will be sufficient to delineate and restrict access.

5.3 WORK HOURS

The hours of operation for remedial construction will conform to the New York City Department of Buildings (DOB) construction code requirements or according to specific variances issued by DOB.

5.4 CONSTRUCTION HEALTH AND SAFETY PLAN

The Health and Safety Plan is included in Appendix 4. The Site Safety Coordinator will be Ashutosh Sharma. Remedial work performed under this RAWP will be in full compliance with applicable health and safety laws and regulations, including Site and OSHA worker safety requirements and HAZWOPER requirements. Confined space entry, if any, will comply with OSHA requirements and industry standards and will address potential risks. The parties

performing the remedial construction work will ensure that performance of work is in compliance with the HASP and applicable laws and regulations. The HASP pertains to remedial and invasive work performed at the Site until the issuance of the Notice of Completion.

All field personnel involved in remedial activities will participate in training required under 29 CFR 1910.120, including 40-hour hazardous waste operator training and annual 8-hour refresher training. Site Safety Officer will be responsible for maintaining workers training records.

Personnel entering any exclusion zone will be trained in the provisions of the HASP and be required to sign an HASP acknowledgment. Site-specific training will be provided to field personnel. Additional safety training may be added depending on the tasks performed. Emergency telephone numbers will be posted at the site location before any remedial work begins. A safety meeting will be conducted before each shift begins. Topics to be discussed include task hazards and protective measures (physical, chemical, environmental); emergency procedures; PPE levels and other relevant safety topics. Meetings will be documented in a log book or specific form.

An emergency contact sheet with names and phone numbers is included in the HASP. That document will define the specific project contacts for use in case of emergency.

5.5 COMMUNITY AIR MONITORING PLAN

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

Periodic monitoring for VOCs will be performed during non-intrusive activities such as the collection of soil and sediment samples or the collection of groundwater samples from existing monitoring wells. Periodic monitoring during sample collection, for instance, will consist of taking a reading upon arrival at a sample location, monitoring while opening a well cap or overturning soil, monitoring during well baling/purging, and taking a reading prior to leaving a

sample location. Depending upon the proximity of potentially exposed individuals, continuous monitoring may be performed during sampling activities. Examples of such situations include groundwater sampling at wells on the curb of a busy urban street, in the midst of a public park, or adjacent to a school or residence. Exceedences of action levels observed during performance of the Community Air Monitoring Plan (CAMP) will be reported to the OER Project Manager and included in the Daily Report.

VOC Monitoring, Response Levels, and Actions

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

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

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

Particulate Monitoring, Response Levels, and Actions

Particulate concentrations will be monitored continuously at the upwind and downwind perimeters of the exclusion zone at temporary particulate monitoring stations. The particulate monitoring will be performed using real-time monitoring equipment capable of measuring particulate matter less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action level. The equipment will be equipped with an audible alarm to indicate exceedance of the action level. In addition, fugitive dust migration should be visually assessed during all work activities.

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

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

5.6 AGENCY APPROVALS

All permits or government approvals required for remedial construction have been or will be obtained prior to the start of remedial construction. Approval of this RAWP by OER does not constitute satisfaction of these requirements and will not be a substitute for any required permit.

5.7 SITE PREPARATION

Pre-Construction Meeting

OER will be invited to attend the pre-construction meeting at the Site with all parties involved in the remedial process prior to the start of remedial construction activities.

Mobilization

Mobilization will be conducted as necessary for each phase of work at the Site. Mobilization includes field personnel orientation, equipment mobilization (including securing all sampling equipment needed for the field investigation), marking/staking sampling locations and utility mark-outs. Each field team member will attend an orientation meeting to become familiar with the general operation of the Site, health and safety requirements, and field procedures.

Utility Marker Layouts, Easement Layouts

The presence of utilities and easements on the Site will be fully investigated prior to the performance of invasive work such as excavation or drilling under this plan by using, at a minimum, the One-Call System (811). Underground utilities may pose an electrocution, explosion, or other hazard during excavation or drilling activities. All invasive activities will be performed in compliance with applicable laws and regulations to assure safety. Utility companies and other responsible authorities will be contacted to locate and mark the locations, and a copy of the Markout Ticket will be retained by the contractor prior to the start of drilling, excavation or other invasive subsurface operations. Overhead utilities may also be present within the anticipated work zones. Electrical hazards associated with drilling in the vicinity of overhead utilities will be prevented by maintaining a safe distance between overhead power lines and drill rig masts.

Proper safety and protective measures pertaining to utilities and easements, and compliance with all laws and regulations will be employed during invasive and other work contemplated under this RAWP. The integrity and safety of on-Site and off-Site structures will be maintained during all invasive, excavation or other remedial activity performed under the RAWP.

Equipment and Material Staging

Equipment and materials will be stored and staged in a manner that complies with applicable laws and regulations. The location of proposed equipment and material staging areas, truck inspection station, stockpile areas, and other pertinent remedial management features has not been determined yet.

Stabilized Construction Entrance

Steps will be taken to ensure that trucks departing the site will not track soil, fill or debris off-Site. Such actions may include use of cleaned asphalt or concrete roads or use of stone or other aggregate-based egress paths between the truck inspection station and the property exit. Measures will be taken to ensure that adjacent roadways will be kept clean of project related soils, fill and debris.

Truck Inspection Station

An outbound-truck inspection station will be set up close to the Site exit. Before exiting the NYC BCP Site, trucks will be required to stop at the truck inspection station and will be examined for evidence of contaminated soil on the undercarriage, body, and wheels. Soil and debris will be removed. Brooms, shovels and potable water will be utilized for the removal of soil from vehicles and equipment, as necessary.

5.8 TRAFFIC CONTROL

Drivers of trucks leaving the NYC BCP Site with soil/fill will be instructed to proceed without stopping in the vicinity of the site to prevent neighborhood impacts. The planned route on local roads for trucks leaving the site is show on Figure 8.

5.9 DEMOBILIZATION

Demobilization will include:

- As necessary, restoration of temporary access areas and areas that may have been disturbed to accommodate support areas (e.g., staging areas, decontamination areas, storage areas, temporary water management areas, and access area);

- Removal of sediment from erosion control measures and truck wash and disposal of materials in accordance with applicable laws and regulations;
- Equipment decontamination, and;
- General refuse disposal.

Equipment will be decontaminated and demobilized at the completion of all field activities. Investigation equipment and large equipment (*e.g.*, soil excavators) will be washed at the truck inspection station as necessary. In addition, all investigation and remediation derived waste will be appropriately disposed.

5.10 REPORTING AND RECORD KEEPING

Daily Reports

Daily reports providing a general summary of activities for each day of *active remedial work* will be emailed to the OER Project Manager by the end of the following day. Those reports will include:

- Project number and statement of the activities and an update of progress made and locations of work performed;
- Quantities of material imported and exported from the Site;
- Status of on-Site soil/fill stockpiles;
- A summary of all citizen complaints, with relevant details (basis of complaint; actions taken; etc.);
- A summary of CAMP excursions, if any;
- Photograph of notable Site conditions and activities.

The frequency of the reporting period may be revised in consultation with OER project manager based on planned project tasks. Daily email reports are not intended to be the primary mode of communication for notification to OER of emergencies (accidents, spills), requests for changes to the RAWP or other sensitive or time critical information. However, such information will be included in the daily reports. Emergency conditions and changes to the RAWP will be

communicated directly to the OER project manager by personal communication. Daily reports will be included as an Appendix in the Remedial Action Report.

Record Keeping and Photo-Documentation

Job-site record keeping for all remedial work will be performed. These records will be maintained on-Site during the project and will be available for inspection by OER staff. Representative photographs will be taken of the Site prior to any remedial activities and during major remedial activities to illustrate remedial program elements and contaminant source areas. Photographs will be submitted at the completion of the project in the RAR in digital format (i.e. jpeg files).

5.11 COMPLAINT MANAGEMENT

All complaints from citizens will be promptly reported to OER. Complaints will be addressed and outcomes will also be reported to OER in daily reports. Notices to OER will include the nature of the complaint, the party providing the complaint, and the actions taken to resolve any problems.

5.12 DEVIATIONS FROM THE REMEDIAL ACTION WORK PLAN

All changes to the RAWP will be reported to the OER Project Manager and will be documented in daily reports and reported in the Remedial Action Report. The process to be followed if there are any deviations from the RAWP will include a request for approval for the change from OER noting the following:

- Reasons for deviating from the approved RAWP;
- Effect of the deviations on overall remedy; and
- Determination that the remedial action with the deviation(s) is protective of public health and the environment.

5.13 DATA USABILITY SUMMARY REPORT

The primary objective of a Data Usability Summary Report (DUSR) is to determine whether or not data meets the site specific criteria for data quality and data use. The DUSR provides an evaluation of analytical data without third party data validation. The DUSR for post-remedial samples collected during implementation of this RAWP will be included in the Remedial Action Report (RAR).

6.0 REMEDIAL ACTION REPORT

A Remedial Action Report (RAR) will be submitted to OER following implementation of the remedial action defined in this RAWP. The RAR will document that the remedial work required under this RAWP has been completed and has been performed in compliance with this plan. The RAR will include:

- Information required by this RAWP;
- As-built drawings for all constructed remedial elements, required certifications, manifests and other written and photographic documentation of remedial work performed under this remedy;
- Site Management Plan;
- Description of any changes in the remedial action from the elements provided in this RAWP and associated design documents;
- Tabular summary of all end point sampling results for grossly-contaminated soil and all material characterization results, QA/QC results for end-point sampling for grossly-contaminated soil, and other sampling and chemical analysis performed as part of the remedial action and DUSR;
- Test results or other evidence demonstrating that remedial systems are functioning properly;
- Account of the source area locations and characteristics of all contaminated material removed from the Site including a map showing source areas;
- Account of the disposal destination of all contaminated material removed from the Site. Documentation associated with disposal of all material will include transportation and disposal records, and letters approving receipt of the material.
- Account of the origin and required chemical quality testing for material imported onto the Site.
- Recorded Declaration of Covenants and Restrictions.

- Reports and supporting material will be submitted in digital form.

Remedial Action Report Certification

The following certification will appear in front of the Executive Summary of the Remedial Action Report. The certification will include the following statements:

I, Michelle Lapin, am currently a professional engineer licensed by the State of New York. I had primary direct responsibility for implementation of the remedial program for the 264 North 10th Street Site (NYC BCP Project No. #12CBP035K).

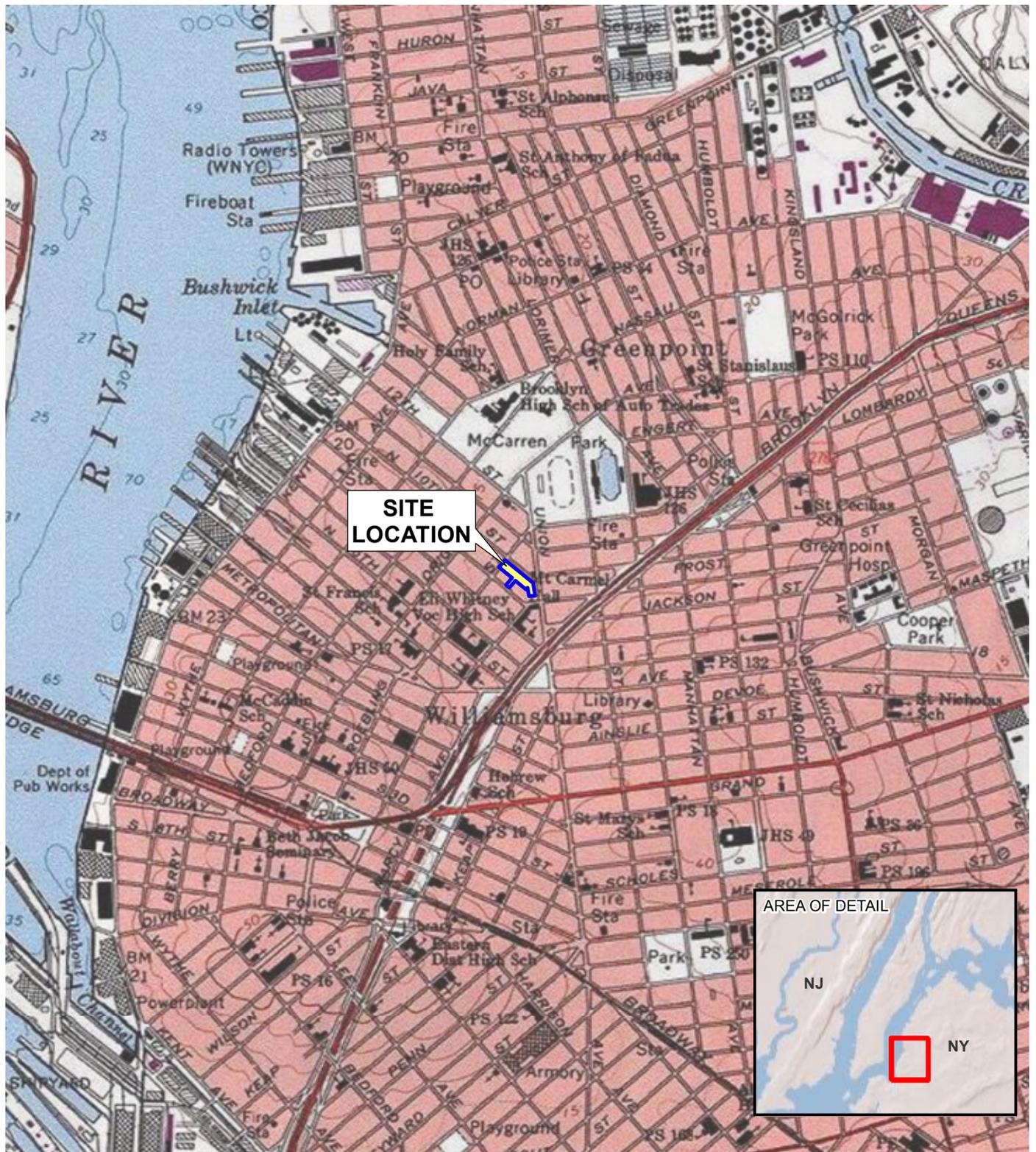
I, Marc Godick, am a qualified Environmental Professional. I had primary direct responsibility for implementation remedial program for the 264 North 10th Street Site(Site E-138). I certify that the OER-approved Remedial Action Work Plan dated January 2012 and Stipulations in a letter dated January 2012; if any were implemented and that all requirements in those documents have been substantively complied with. I certify that contaminated soil, fill, liquids or other material from the property were taken to facilities licensed to accept this material in full compliance with applicable laws and regulations.

7.0 SCHEDULE

The table below presents a schedule for the proposed remedial action and reporting. If the schedule for remediation and development activities changes, it will be updated and submitted to OER. Currently, a 24 month remediation period is anticipated.

Schedule Milestone	Weeks from Remedial Action Start	Duration (weeks)
OER Approval of RAWP	0	-
Fact Sheet 2 announcing start of remedy	0	-
Mobilization	0	4
Remedial Excavation	4	16
Demobilization	20	4
Record Declaration of Covenants and Restrictions	24	--
Submit Remedial Action Report	24	--

FIGURE 1
SITE LOCATION MAP



SOURCE
 USGS 7.5 Minute Topographic Map
 Brooklyn Quad 1995



264 NORTH 10th STREET
 BROOKLYN, NEW YORK

PROJECT SITE LOCATION



Environmental Consultants
 440 Park Avenue South, New York, N.Y. 10016

DATE
12/22/2011

PROJECT No.
11338

FIGURE
1

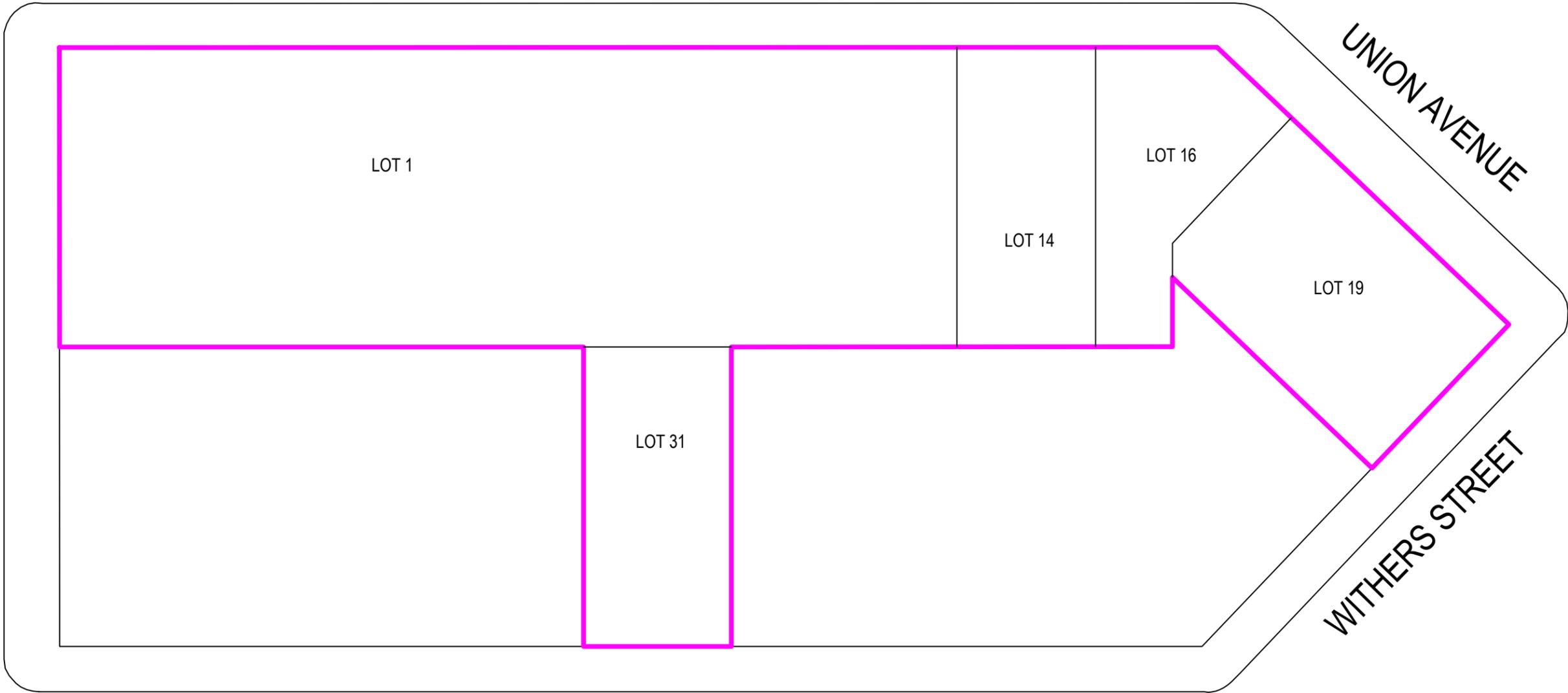
FIGURE 2

SITE MAP

©2011 AKRE, Inc. Environmental Consultants. M:\AKRE\Project Files\11338 - 250 N. 10th St., Brooklyn (LICOR)\BCP\RAWP\Figures\11338 Fig 2 Site Map.dwg

ROEBLING STREET

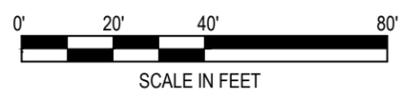
NORTH 10TH STREET



NORTH 9TH STREET

UNION AVENUE

WITHERS STREET



LEGEND:

-  SITE BOUNDARY
-  LOT LINES



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440 Park Avenue South, New York, NY 10016

264 NORTH 10TH STREET
BROOKLYN, NEW YORK

SITE MAP

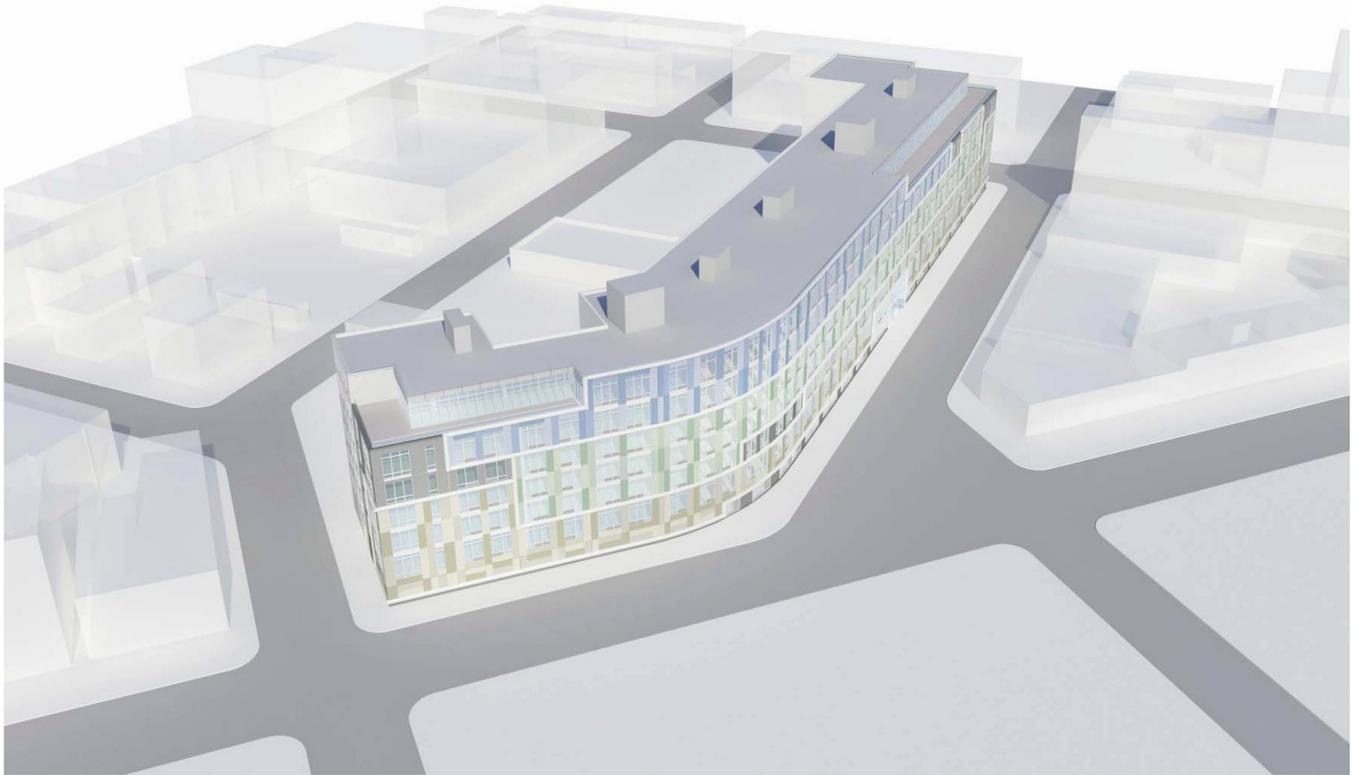
DATE
12.21.2011

PROJECT NO.
11338

SCALE
as shown

FIGURE
2

FIGURE 3
REDEVELOPMENT PLAN



SOURCE:

Based on Figure Design Studies,
Rendered Aerial View Looking Southwest
Prepared by SLCE Architects, LLP
841 Broadway New York, New York
Jul 2011

264 NORTH 10th STREET
BROOKLYN, NEW YORK

REDEVELOPMENT PLAN



Environmental Consultants
440 Park Avenue South, New York, N.Y. 10016

DATE
12.13.11

PROJECT No.
11338

SCALE
nts

FIGURE
3

FIGURE 4
SURROUNDING LAND USE PLAN



Legend

- Project Site Location
- Project Site 1000ft Buffer
- No Data
- Residential
- Residential with Commercial Below
- Hotels
- Commercial and Office Buildings
- Industrial and Manufacturing
- Transportation and Utility
- Public Facilities and Institutions
- Open Space and Outdoor Recreation
- Parking Facilities
- Vacant Land
- Vacant Building
- Under Construction

Source: NYCDPC (NYC Dept. of City Planning) GIS database

0 125 250 500

 Feet

264 NORTH 10th STREET
 BROOKLYN, NEW YORK

SURROUNDING LAND USE PLAN

AKRF

Environmental Consultants
 440 Park Avenue South, New York, N.Y. 10016

DATE
12/22/2011

PROJECT No.
11338

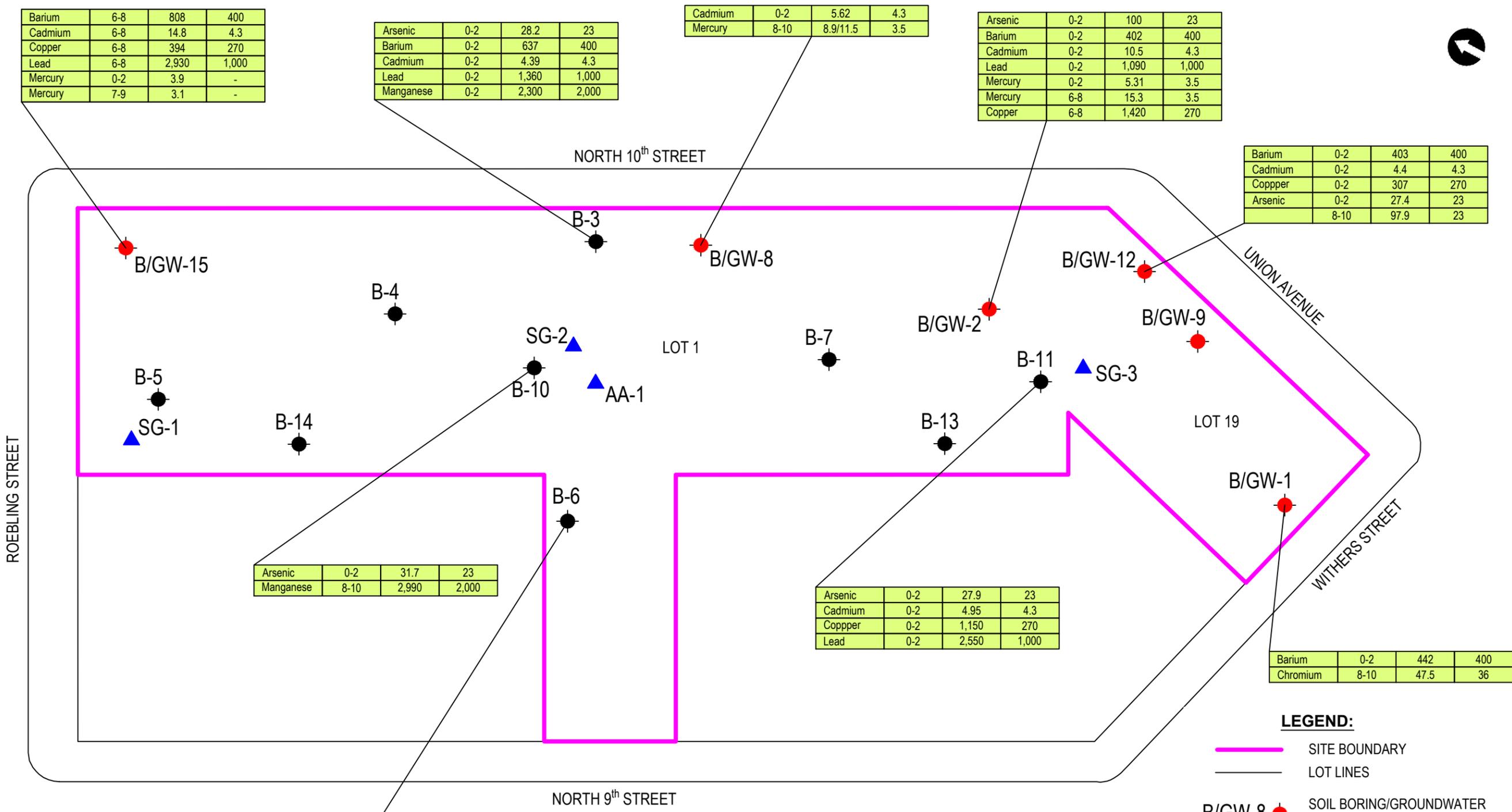
FIGURE
4

FIGURE 5

**MAP OF END-POINT SAMPLE LOCATIONS AND
EXCEEDANCES OF SITE SPECIFIC SCOS**

©2011 AKRF, Inc. Environmental Consultants M:\AKRF Project Files\11338 - 260 N. 10th St, Brooklyn (LOR)\Figures\11338 Fig. 2 Site Plan Detail.dwg

SOURCE:
Based on Figure Design Studies.
Rendered Aerial View Looking Southwest
Prepared by SLCE Architects, LLP
841 Broadway New York, New York
Jul 2011



Barium	6-8	808	400
Cadmium	6-8	14.8	4.3
Copper	6-8	394	270
Lead	6-8	2,930	1,000
Mercury	0-2	3.9	-
Mercury	7-9	3.1	-

Arsenic	0-2	28.2	23
Barium	0-2	637	400
Cadmium	0-2	4.39	4.3
Lead	0-2	1,360	1,000
Manganese	0-2	2,300	2,000

Cadmium	0-2	5.62	4.3
Mercury	8-10	8.9/11.5	3.5

Arsenic	0-2	100	23
Barium	0-2	402	400
Cadmium	0-2	10.5	4.3
Lead	0-2	1,090	1,000
Mercury	0-2	5.31	3.5
Mercury	6-8	15.3	3.5
Copper	6-8	1,420	270

Barium	0-2	403	400
Cadmium	0-2	4.4	4.3
Copper	0-2	307	270
Arsenic	0-2	27.4	23
	8-10	97.9	23

Arsenic	0-2	31.7	23
Manganese	8-10	2,990	2,000

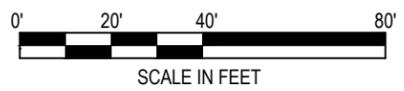
Arsenic	0-2	27.9	23
Cadmium	0-2	4.95	4.3
Copper	0-2	1,150	270
Lead	0-2	2,550	1,000

Barium	0-2	442	400
Chromium	8-10	47.5	36

Arsenic	0-2	27.3	23
Cadmium	0-2	5.97	4.3
Lead	0-2	1,600	1,000

Compound	Sample Depth (ftbg)	Result*	Site Specific SCO*
Mercury	0-2	1.92	3.5

*Concentration in milligrams per kilogram or (parts per million)

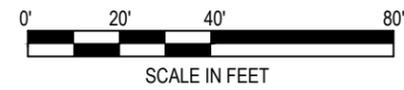
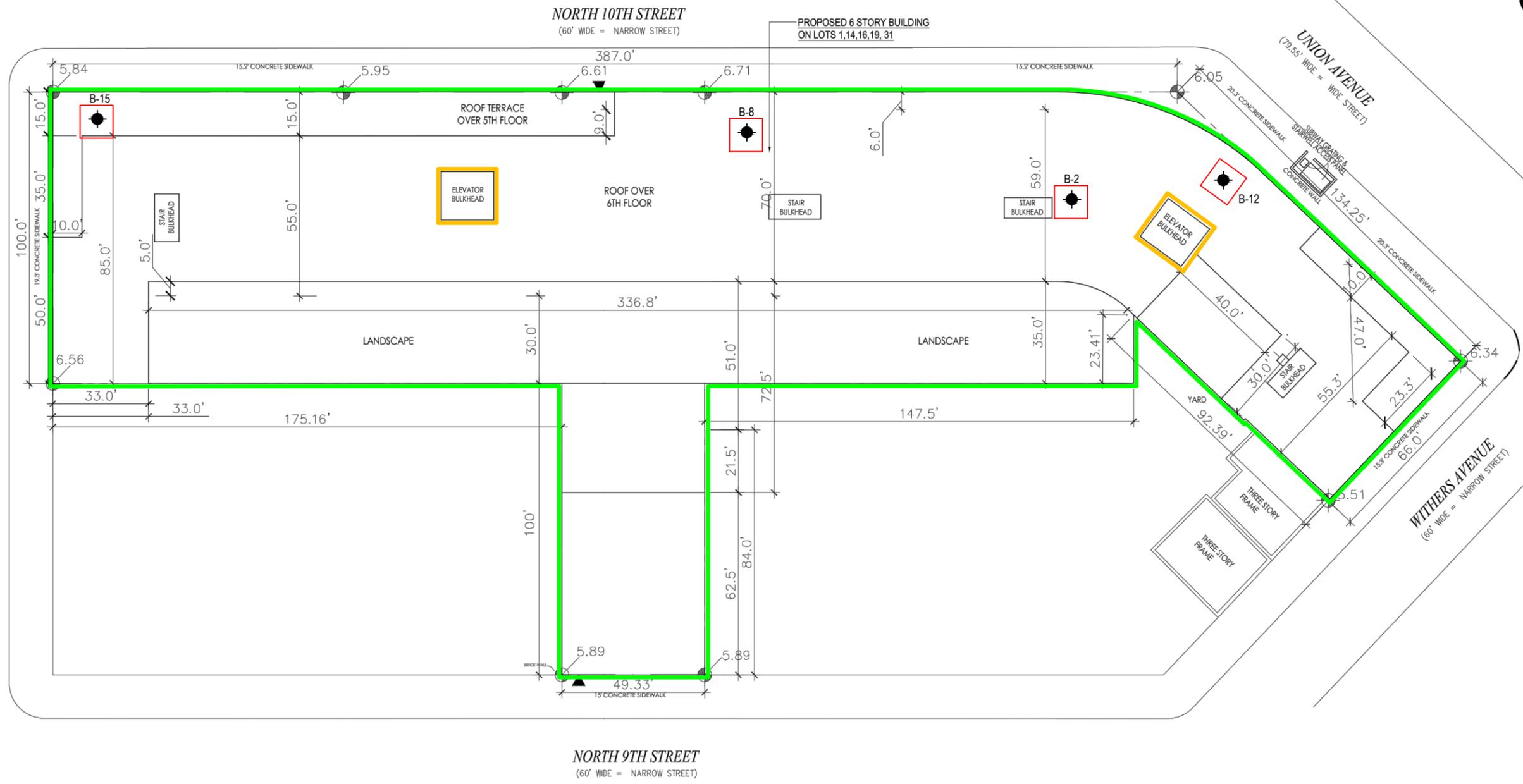


- LEGEND:**
- SITE BOUNDARY
 - LOT LINES
 - B/GW-8 SOIL BORING/GROUNDWATER MONITORING WELL LOCATION
 - ▲ SG-2 SOIL GAS SAMPLE LOCATION
 - ▲ AA-1 AMBIENT AIR SAMPLE LOCATION
 - B-5 AMBIENT AIR SAMPLE LOCATION
 - SCO SOIL CLEAN-UP OBJECTIVE
 - ND NOT DETECTED
 - ftbg FEET BELOW GRADE

FIGURE 6
SITE EXCAVATION PLAN

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ROEBLING STREET
(80' WIDE = WIDE STREET)



LEGEND:

- EXTENT OF EXCAVATION TO 5 FEET BELOW SIDEWALK LEVEL GRADE
- EXTENT OF EXCAVATION TO 3 FEET BELOW SIDEWALK LEVEL GRADE
- HOT SPOT REMOVAL EXTENT OF EXCAVATION TO THE WATER TABLE (EXPECTED DEPTH OF 3 TO 5 FEET BELOW SIDEWALK LEVEL GRADE)

SOURCE:
Based on Figure Site Plan, A-004.00
Prepared by SLCE Architects, LLP
841 Broadway New York, New York
Dec 2008



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440 Park Avenue South, New York, NY 10016

264 NORTH 10th STREET
BROOKLYN, NEW YORK

SITE EXCAVATION PLAN

DATE	1.13.2012
PROJECT NO.	11338
SCALE	as shown
FIGURE	6

FIGURE 7
SITE-WIDE COVER SYSTEM PLAN

© 2011 AKRF, Inc. Environmental Consultants. M:\AKRF\Project Files\11338 - 250 N. 10th St. Brooklyn (LCOB)\BCP\RAWP\EPlans\11338_EPlan7_Site Wide Cover System Plan.dwg

ROEBLING STREET

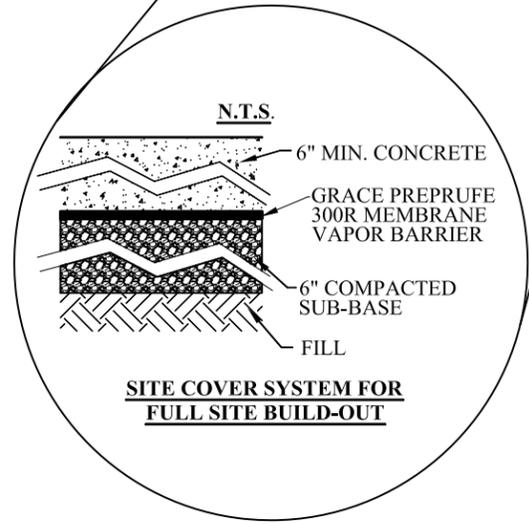
NORTH 10TH STREET

LOT 1

UNION AVENUE

WITHERS STREET

NORTH 9TH STREET



LEGEND:

-  SITE BOUNDARY
-  LOT LINES



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264 NORTH 10TH STREET
BROOKLYN, NEW YORK

SITE-WIDE COVER SYSTEM PLAN

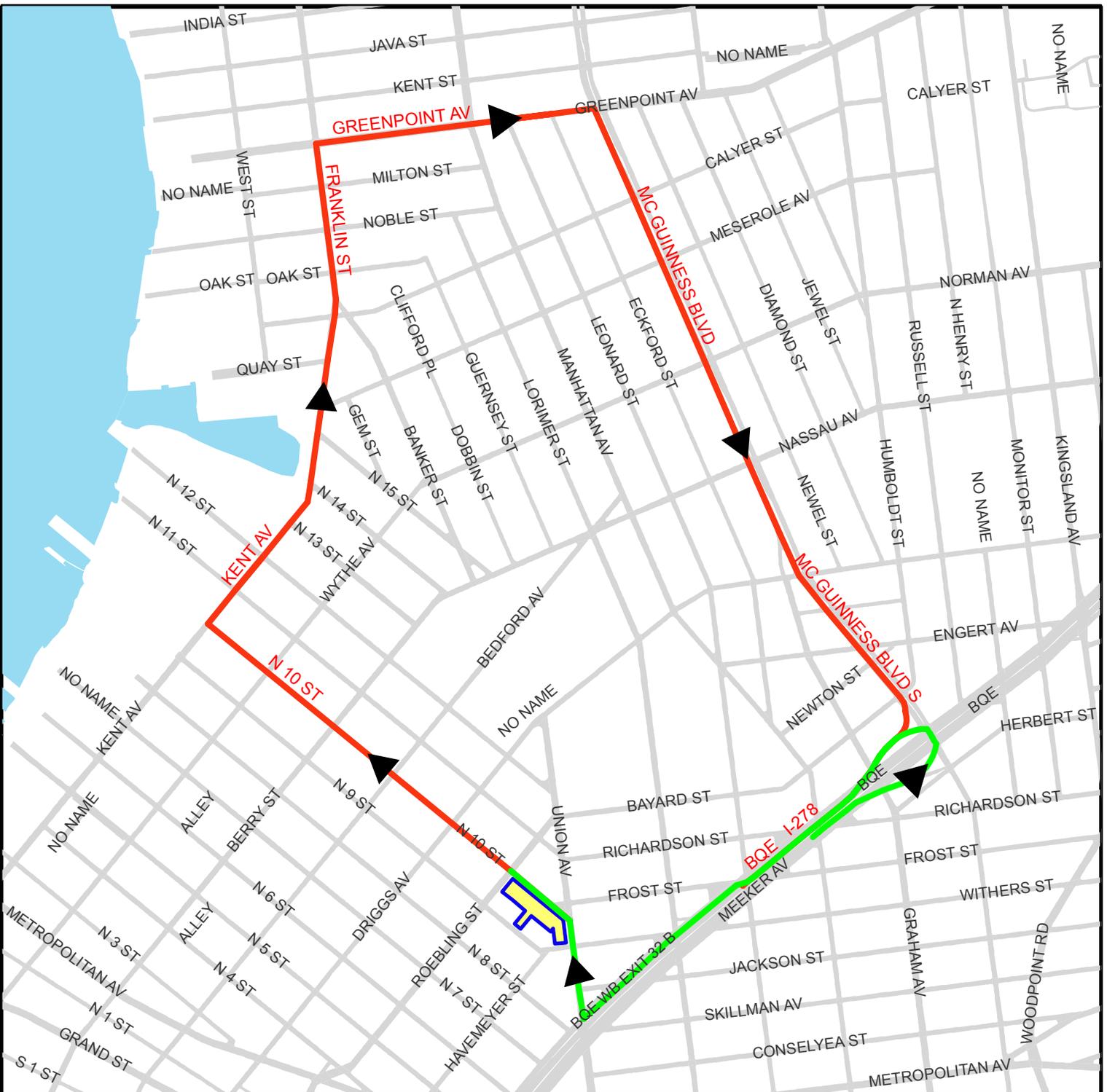
DATE
1.13.2012

PROJECT NO.
11338

SCALE
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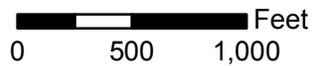
FIGURE
7

FIGURE 8
TRUCK ROUTE MAP



Legend

-  Entrance Truck Route I-278 to Project Site
-  Exit Truck Route to I-278
-  Project Site Location



264 NORTH 10th STREET
 BROOKLYN, NEW YORK



DATE
12/22/2011

PROJECT No.
11338

TRUCK ROUTE MAP

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FIGURE
8

TABLE 1A
SOIL ANALYTICAL RESULTS -VOLATILE ORGANIC
COMPOUNDS

TABLE 1B
SOIL ANALYTICAL RESULTS – SEMI-VOLATILE ORGANIC
COMPOUNDS

Table 1b
264 North 10th Street
Brooklyn, NY
Soil Analytical Results
Semivolatile Organic Compounds

Client ID Company Date Sampled mg/kg	NYSDEC Part 375 Unrestricted SCO mg/kg	NYSDEC Part 375 Restricted Use Restricted- Residential SCO mg/kg	B-1 (0-2') HTE 7/17/2006	B-2 (0-2') HTE 7/14/2006	B-3 (0-2') HTE 7/19/2006	B-4 (0-2') HTE 7/19/2006	B-5 (0-2') HTE 7/19/2006	B-6 (0-2') HTE 7/19/2006	B-7 (0-2') HTE 7/14/2006	B-8 (0-2') HTE 7/14/2006
Napthalene	12	100	0.059 U	0.068	0.059 U	0.059 U	0.059 U	1.55	0.059 U	0.059 U
2-Methylnapthalene	NS	NS	0.059 U	0.639	0.059 U	0.059 U				
3&4Methylphenol	NS	NS	0.119 U							
Acenaphthalene	100	100	0.059 U	0.162	0.059 U	0.059 U	0.059 U	0.603	0.074	0.061
Acenaphthene	20	100	0.062	0.25	0.059 U	0.059 U	0.059 U	22.64	0.091	0.067
Dibenzofuran	7	59	0.297 U	1.61	0.297 U	0.297 U				
2,4-Dinitrotoluene	NS	NS	0.119 U							
Fluorene	30	100	0.119 U	0.226	0.119 U	0.119 U	0.119 U	23.2	0.119 U	0.119 U
Phenanthrene	100	100	1.01	2.68	0.399	0.119 U	0.556	21.8	1.53	0.891
Anthracene	100	100	0.212	0.709	0.119 U	0.119 U	131	3.69	0.252	0.234
Di-n-butyl phthalate	NS	NS	0.119 U	0.174	0.125					
Fluoranthene	100	100	1.53	3.83	0.84	0.059 U	0.927	23.2	2.60	1.550
Pyrene	100	100	1.20	3.12	0.760	0.119 U	0.734	18.70	2.12	1.16
Benzo(a)anthracene	1	1	0.593	1.63	0.393	0.059 U	0.389	8.64	1.01	0.767
Chrysene	1	3.9	0.602	1.66	0.393	0.119 U	0.441	9.03	1.18	0.767
Bis(2-ethylhexyl)phthalate	NS	NS	0.514	0.855	0.738	0.14	0.122	0.119 U	9.27	1.17
Benzo(b)fluoranthene	1	1	0.554	1.68	0.304	0.297 U	0.376	7.58	0.889	0.701
Benzo(k)fluoranthene	0.8	3.9	0.420	1.070	0.202	0.119 U	0.214	4.58	0.757	0.49
Benzo(a)pyrene	1	1	0.510	1.460	0.337	0.059 U	0.336	7.52	0.947	0.672
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.211	0.461	0.119 U	0.119 U	0.166	3.91	0.461	0.381
Benzo(g,h,i)perylene	100	100	0.470	1.050	0.231	0.059 U	0.371	5.81	1.03	0.846

Table 1b
264 North 10th Street
Brooklyn, NY
Soil Analytical Results
Semivolatile Organic Compounds

Client ID Company Date Sampled mg/kg	NYSDEC Part 375 Unrestricted SCO mg/kg	NYSDEC Part 375 Restricted Use Restricted- Residential SCO mg/kg	B-9 (0-2') HTE 7/17/2006	B-10 (0-2') HTE 7/19/2006	B-11 (0-2') HTE 7/14/2006	B-12 (0-2') HTE 7/17/2006	B-13 (0-2') HTE 7/14/2006	B-14 (0-2') HTE 7/19/2006	B-15 (0-2') HTE 7/19/2006	B-1 (8'-10') HTE 7/17/2006
Napthalene	12	100	0.103	0.059 U	0.059 U	0.059 U	0.059 U	1.050	0.059 U	0.059 U
2-Methylnapthalene	NS	NS	0.059 U	0.059 U	0.059 U	0.111	0.059 U	0.346	0.059 U	0.059 U
3&4Methylphenol	NS	NS	0.119 U	0.119 U	0.119 U	0.119 U	0.119 U	0.119 U	0.685	0.119 U
Acenaphthalene	100	100	0.196	0.083	0.059 U	0.328	0.059 U	0.085	0.059 U	0.059 U
Acenaphthene	20	100	0.192	0.059 U	0.059 U	0.375	0.239	0.43	0.131	0.059 U
Dibenzofuran	7	59	0.297 U	0.297 U	0.297 U	0.297 U	0.297 U	0.415	0.297 U	0.297 U
2,4-Dinitrotoluene	NS	NS	0.119 U	0.119 U	7.631	0.119 U				
Fluorene	30	100	0.174	0.119 U	0.119 U	0.374	0.2	0.452	0.119 U	0.119 U
Phenanthrene	100	100	2.470	0.538	7.11	4.78	2.14	3.67	1.09	0.171
Anthracene	100	100	0.561	0.156	1.900	1.17	0.504	0.690	0.232	0.119 U
Di-n-butyl phthalate	NS	NS	0.119 U	0.119 U	0.119 U	0.615	0.119 U	0.119 U	0.119 U	0.140
Fluoranthene	100	100	3.89	1.47	0.059 U	8.500	2.51	3.73	0.059 U	0.398
Pyrene	100	100	3.24	1.31	10.7	7.01	1.9	3.12	1.14	0.329
Benzo(a)anthracene	1	1	1.83	1.07	5.1	3.88	0.963	1.57	0.612	0.199
Chrysene	1	3.9	1.83	1.07	5.1	3.88	0.963	1.57	0.612	0.201
Bis(2-ethylhexyl)phthalate	NS	NS	0.49	0.28	2.93	0.413	0.119 U	0.119 U	0.119 U	0.579
Benzo(b)fluoranthene	1	1	1.86	1.26	3.66	4.13	1.62	1.35	0.654	0.297 U
Benzo(k)fluoranthene	0.8	3.9	1.58	0.92	3.11	3.68	0.12	0.679	0.427	0.133
Benzo(a)pyrene	1	1	1.85	1.27	8.69	4.07	0.894	1.25	0.481	0.179
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.969	0.404	NR	0.471	0.119 U	0.917	0.119 U	0.119 U
Benzo(g,h,i)perylene	100	100	1.4	0.901	NR	1.13	0.792	1.74	0.059 U	0.192

Table 1b
264 North 10th Street
Brooklyn, NY
Soil Analytical Results
Semivolatile Organic Compounds

Client ID Company Date Sampled mg/kg	NYSDEC Part 375 Unrestricted SCO mg/kg	NYSDEC Part 375 Restricted Use Restricted- Residential SCO mg/kg	B-2 (6'-8') HTE 7/14/2006	B-3 (6'-8') HTE 7/19/2006	B-4 (8'-10') HTE 7/19/2006	B-5 (8'-10') HTE 7/19/2006	B-6 (6'-8') HTE 7/19/2006	B-7 (8'-10') HTE 7/14/2006	B-8 (8'-10') HTE 7/14/2006	B-9 (8'-10') HTE 7/17/2006
Napthalene	12	100	0.059 U	0.059 U	0.059 U	0.059 U	0.059 U	0.059 U	0.059 U	0.059 U
2-Methylnapthalene	NS	NS	0.059 U	0.059 U	0.059 U	0.059 U	0.059 U	0.059 U	0.059 U	0.059 U
3&4Methylphenol	NS	NS	0.119 U	0.119 U	0.119 U	0.119 U	0.119 U	0.119 U	0.119 U	0.119 U
Acenaphthalene	100	100	0.061	0.059 U	0.059 U	0.059 U	0.059 U	0.059 U	0.059 U	0.059 U
Acenaphthene	20	100	0.221	0.059 U	0.412	0.059 U	0.059 U	0.059 U	0.114	0.059 U
Dibenzofuran	7	59	0.297 U	0.297 U	0.297 U	0.297 U	0.297 U	0.297 U	0.297 U	0.297 U
2,4-Dinitrotoluene	NS	NS	0.119 U	0.119 U	0.119 U	0.119 U	0.119 U	0.119 U	0.119 U	0.119 U
Fluorene	30	100	0.296	0.119 U	0.184	0.119 U	0.119 U	0.119 U	0.119 U	0.119 U
Phenanthrene	100	100	1.300	0.128	0.383	0.119 U	0.507	0.119U	0.364	0.119 U
Anthracene	100	100	0.119 U	0.119 U	0.138	0.119 U	0.12	0.119 U	0.119 U	0.119 U
Di-n-butyl phthalate	NS	NS	0.119 U	0.119 U	0.119 U	0.119 U	0.119 U	0.119 U	0.119 U	0.119 U
Fluoranthene	100	100	1.480	0.287	0.614	0.070	0.806	0.059 U	0.719	0.067
Pyrene	100	100	1.55	0.262	0.538	0.119 U	0.6	0.119 U	0.606 U	0.119 U
Benzo(a)anthracene	1	1	0.585	0.357	0.257	0.059 U	0.333	0.059 U	0.392	0.059 U
Chrysene	1	3.9	0.690	0.326	0.332	0.119 U	0.354	0.119 U	0.373	0.119 U
Bis(2-ethylhexyl)phthalate	NS	NS	4.77	0.397	0.479	0.275	0.796	0.482	1.73	0.54
Benzo(b)fluoranthene	1	1	0.621	0.368	0.297 U	0.297 U	0.297 U	0.297 U	0.294	0.297 U
Benzo(k)fluoranthene	0.8	3.9	0.339	0.254	0.188	0.119 U	0.242	0.119 U	0.243	0.119 U
Benzo(a)pyrene	1	1	0.454	0.373	0.237	0.059 U	0.307	0.059 U	0.307	0.059 U
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.119 U	0.119 U	0.119 U	0.119 U	0.155	0.119 U	0.119 U	0.119 U
Benzo(g,h,i)perylene	100	100	0.059 U	0.242	0.059 U	0.059 U	0.343	0.059 U	0.204	0.059 U

Table 1b
264 North 10th Street
Brooklyn, NY
Soil Analytical Results
Semivolatile Organic Compounds

Client ID Company Date Sampled mg/kg	NYSDEC Part 375 Unrestricted SCO mg/kg	NYSDEC Part 375 Restricted Use Restricted- Residential SCO mg/kg	B-10 (8'-10') HTE 7/19/2006	B-11 (6'-8') HTE 7/14/2006	B-12 (8'-10') HTE 7/17/2006	B-13 (6'-8') HTE 7/14/2006	B-14 (6'-8') HTE 7/19/2006	B-15 (6'-8') HTE 7/19/2006
Napthalene	12	100	0.059 U	0.059 U	0.059 U	0.059 U	0.059 U	0.246
2-Methylnapthalene	NS	NS	0.059 U	0.059 U	0.059 U	0.059 U	0.059 U	0.13
3&4Methylphenol	NS	NS	0.119 U	0.119 U	0.119 U	0.119 U	0.119 U	0.119 U
Acenaphthalene	100	100	0.059 U	0.059 U	0.059 U	0.059 U	0.059 U	0.404
Acenaphthene	20	100	0.059 U	0.059 U	0.059 U	0.116	0.059 U	0.492
Dibenzofuran	7	59	0.297 U	0.297 U	0.297 U	0.297 U	0.297 U	0.298
2,4-Dinitrotoluene	NS	NS	0.119 U	0.119 U	0.119 U	0.119 U	0.119 U	0.059 U
Fluorene	30	100	0.119 U	0.119 U	0.119 U	0.119 U	0.119 U	0.437
Phenanthrene	100	100	0.119 U	0.119 U	0.187	0.803	0.746	5.570
Anthracene	100	100	0.119 U	0.119 U	0.119 U	0.182	0.145	1.27
Di-n-butyl phthalate	NS	NS	0.119 U	0.119 U	0.119 U	0.119 U	0.119 U	0.119 U
Fluoranthene	100	100	0.059 U	0.059 U	0.535	1.270	1.11	7.01
Pyrene	100	100	0.119 U	0.119 U	0.557	1.07	0.919	5.96
Benzo(a)anthracene	1	1	0.059 U	0.059 U	0.301	0.468	0.452	3.14
Chrysene	1	3.9	0.119 U	0.119 U	0.350	0.498	0.520	3.24
Bis(2-ethylhexyl)phthalate	NS	NS	0.192	3.78	0.196	0.119 U	0.119 U	0.161
Benzo(b)fluoranthene	1	1	0.297 U	0.297 U	0.425	0.432	0.401	3.76
Benzo(k)fluoranthene	0.8	3.9	0.119 U	0.119 U	0.347	0.323	0.383	2.76
Benzo(a)pyrene	1	1	0.059 U	0.059 U	0.344	0.413	0.379	3.43
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.119 U	0.119 U	0.143	0.137	0.119 U	1.37
Benzo(g,h,i)perylene	100	100	0.059 U	0.059 U	0.290	0.382	0.059 U	2.01

TABLE 1C
SOIL ANALYTICAL RESULTS - METALS

Table 1c
264 North 10th Street
Brooklyn, NY
Soil Analytical Results
Metals

Client ID Company Date Sampled	NYSDEC Part 375 Unrestricted SCO mg/kg	NYSDEC Part 375 Restricted Use Residential SCO mg/kg	B-2 (4'-6') AKRF 8/31/2011	B-2 (6'-8') AKRF 8/31/2011	B-2 (8'-10') AKRF 8/31/2011	B-8 (6'-8') AKRF 8/31/2011	B-8 (8'-10') AKRF 8/31/2011	B-12 (6-8) AKRF 8/31/2011	B-12 (8-10) AKRF 8/31/2011	B-12 (10'-12') AKRF 8/31/2011
Aluminum	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	13	16	NA	NA	NA	NA	NA	9.5	3	2
Barium	350	400	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	7.2	72	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	2.5	4.3	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	30	36	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Copper	50	270	28	21	33	NA	NA	NA	NA	NA
Iron	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Lead	63	400	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	1,600	2,000	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.18	0.81	0.6	0.07 J	2.6	0.18	8.9	0.3	0.14	0.08 J
Nickel	30	310	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	3.9	180	NA	NA	NA	NA	NA	NA	NA	NA
Silver	2	180	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	109	10,000	NA	NA	NA	NA	NA	NA	NA	NA

Table 1c
264 North 10th Street
Brooklyn, NY
Soil Analytical Results
Metals

Client ID Company Date Sampled	NYSDEC Part 375 Unrestricted SCO	NYSDEC Part 375 Restricted Use Restricted- Residential SCO	B-15 (5'-7') AKRF 8/31/2011	B-15 (7'-9') AKRF 8/31/2011	B-15 (9'-11') AKRF 8/31/2011	B-1 (0-2') HTE 7/17/2006	B-2 (0-2') HTE 7/14/2006	B-3 (0-2') HTE 7/19/2006	B-4 (0-2') HTE 7/19/2006	B-5 (0-2') HTE 7/19/2006
mg/kg	mg/kg	mg/kg								
Aluminum	NS	NS	NA	NA	NA	13,700	10,800	8,270	10,000	6,490
Antimony	NS	NS	NA	NA	NA	2.36	5.36	7.28	2.12	1.72
Arsenic	13	16	NA	NA	NA	5 U	100	28.2	5 U	4.58
Barium	350	400	280	310	270	442	402	637	41.5	170
Beryllium	7.2	72	NA	NA	NA	0.427	0.513	0.322	0.38	0.32
Cadmium	2.5	4.3	0.5 U	0.27 J	0.1	3.98	10.5	4.39	1.73	1.94
Chromium	30	36	NA	NA	NA	19.7	27.6	17.6	15.7	15.2
Cobalt	NS	NS	NA	NA	NA	6.92	10.5	7.11	6.49	6.17
Copper	50	270	260	120	33	50.3	219	72.5	17.9	52.4
Iron	NS	NS	NA	NA	NA	26,700	48,300	26,00	19,100	19,100
Lead	63	400	480	790	630	287	1090	1360	36.2	363
Magnesium	NS	NS	NA	NA	NA	4,170	35,10	7,390	2,590	1,880
Manganese	1,600	2,000	NA	NA	NA	229	476	2,300	480	224
Mercury	0.18	0.81	1	3.9	3.1	0.256	5.31	1.92	0.221	2.06
Nickel	30	310	NA	NA	NA	13.8	22.1	19.4	12.2	14.3
Potassium	NS	NS	NA	NA	NA	282	317	1,090	1,410	983
Selenium	3.9	180	NA	NA	NA	0.552 U				
Silver	2	180	NA	NA	NA	0.11 U				
Sodium	NS	NS	NA	NA	NA	23.6	70	49.8	34.7	24.4
Thallium	NS	NS	NA	NA	NA	0.276 U				
Vanadium	NS	NS	NA	NA	NA	25.8	38.7	31.6	25.9	23.6
Zinc	109	10,000	NA	NA	NA	404	1,440	936	39.6	510

Table 1c
264 North 10th Street
Brooklyn, NY
Soil Analytical Results
Metals

Client ID Company Date Sampled	NYSDEC Part 375 Unrestricted SCO	NYSDEC Part 375 Restricted Use Restricted- Residential SCO	B-6 (0-2') HTE 7/19/2006	B-7 (0-2') HTE 7/14/2006	B-8 (0-2') HTE 7/14/2006	B-9 (0-2') HTE 7/17/2006	B-10 (0-2') HTE 7/19/2006	B-11 (0-2') HTE 7/14/2006	B-12 (0-2') HTE 7/17/2006	B-13 (0-2') HTE 7/14/2006
mg/kg	mg/kg	mg/kg								
Aluminum	NS	NS	11,000	11,400	8,250	8,940	13,900	11,800	8,790	10,500
Antimony	NS	NS	6.6	9.44	17.3	2.13	1.86	9.89	5.13	1.3
Arsenic	13	16	27.3	13.5	5 U	8.38	31.7	27.9	27.4	5.04
Barium	350	400	285	180	368	146	99.2	290	403	172
Beryllium	7.2	72	0.384	0.415	0.268	0.328	0.546	0.882	0.453	0.459
Cadmium	2.5	4.3	5.97	3.47	5.62	2.39	1.92	4.95	4.4	2.03
Chromium	30	36	23.7	24.4	17.6	23.1	20.7	30.7	26.2	19.3
Cobalt	NS	NS	8.99	7.97	6.83	11	5.19	7.44	10.5	6.47
Copper	50	270	95	137	139	81.6	204	1150	307	39.7
Iron	NS	NS	47,600	20,800	51,500	19,000	15,500	24,000	30,800	18,600
Lead	63	400	1600	999	721	376	201	2550	867	198
Magnesium	NS	NS	2,450	4,760	2,510	4,020	2,000	7,980	4,050	2,520
Manganese	1,600	2,000	761	426	1,200	260	149	995	283	296
Mercury	0.18	0.81	1.55	2.06	1.42	0.504	0.479	2.12	1.84	1.49
Nickel	30	310	19	18	15	17.2	15.5	28.5	42.2	12.8
Potassium	NS	NS	1,490	1,240	1,510	1,830	1,300	1,350	1,420	776
Selenium	3.9	180	0.552 U	1.49	0.865	0.552 U				
Silver	2	180	0.11 U	0.11 U	0.11 U	0.11 U				
Sodium	NS	NS	40.3	145	121	210	53.2	134	197	33.2
Thallium	NS	NS	0.276 U	0.276 U	0.276 U	0.276 U				
Vanadium	NS	NS	36.2	27.2	28.8	24.3	25.5	67.7	24.8	26.6
Zinc	109	10,000	384	781	487	189	117	841	471	240

Table 1c
264 North 10th Street
Brooklyn, NY
Soil Analytical Results
Metals

Client ID Company Date Sampled	NYSDEC Part 375 Unrestricted SCO	NYSDEC Part 375 Restricted Use Restricted- Residential SCO	B-14 (0-2') HTE 7/19/2006	B-15 (0-2') HTE 7/19/2006	B-1 (8'-10') HTE 7/17/2006	B-2 (6'-8') HTE 7/14/2006	B-3 (6'-8') HTE 7/19/2006	B-4 (8'-10') HTE 7/19/2006	B-5 (8'-10') HTE 7/19/2006	B-6 (6'-8') HTE 7/19/2006
mg/kg	mg/kg	mg/kg								
Aluminum	NS	NS	9,120	5,280	11,500	10,900	10,700	20,300	10,200	10,200
Antimony	NS	NS	2.31	5.04	3.42	2.59	3.02	0.497 U	2.07	1.76
Arsenic	13	16	1.12	5.17	11.2	12.5	5 U	1.45	5 U	6.77
Barium	350	400	148	178	156	90.9	75.8	93.3	136	284
Beryllium	7.2	72	0.472	0.262	0.485	0.431	0.413	1.37	0.369	0.392
Cadmium	2.5	4.3	2.18	3.61	3.19	2.33	2.62	1.84	2.45	1.99
Chromium	30	36	21	14.6	47.5	17.5	21.8	25.4	16.3	27.1
Cobalt	NS	NS	6.9	6.58	6.6	6.94	9.04	28.4	7.78	6.84
Copper	50	270	33	67.8	81.8	1420	26.6	22.2	19	42.8
Iron	NS	NS	25,600	30,400	17,300	21,700	28,700	14,300	23,400	18,000
Lead	63	400	145	577	363	91.3	75.7	148	40.9	407
Magnesium	NS	NS	2,480	1,960	2,950	2,650	3,260	3,570	2,560	5,700
Manganese	1,600	2,000	418	402	360	345	537	150	1,290	259
Mercury	0.18	0.81	0.648	5.64	0.754	15.3	0.748	1.21	0.336	2.04
Nickel	30	310	12.3	12.3	22	16.4	20.4	35.5	13.3	17
Potassium	NS	NS	980	798	276	1,130	2,310	1,150	1,150	40
Selenium	3.9	180	0.552 U	0.552 U	0.552 U	0.552 U	0.552 U	0.552 U	0.552 U	0.552 U
Silver	2	180	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
Sodium	NS	NS	26.4	119	49	33.7	84.1	20.1	16.8	22.4
Thallium	NS	NS	0.276 U	0.276 U	0.276 U	0.276 U	0.276 U	0.276 U	0.276 U	0.276 U
Vanadium	NS	NS	35.6	21.2	44.2	29.4	33.2	45.2	25.7	27.8
Zinc	109	10,000	303	174	268	155	88.8	435	295	303

Table 1c
264 North 10th Street
Brooklyn, NY
Soil Analytical Results
Metals

Client ID Company Date Sampled	NYSDEC Part 375 Unrestricted SCO mg/kg	NYSDEC Part 375 Restricted Use Restricted- Residential SCO mg/kg	B-7 (8'-10') HTE 7/14/2006	B-8 (8'-10') HTE 7/14/2006	B-9 (8'-10') HTE 7/17/2006	B-10 (8'-10') HTE 7/19/2006	B-11 (6'-8') HTE 7/14/2006	B-12 (8'-10') HTE 7/17/2006	B-13 (6'-8') HTE 7/14/2006	B-14 (6'-8') HTE 7/19/2006	B-15 (6'-8') HTE 7/19/2006
Aluminum	NS	NS	18,200	17,200	9,040	12,300	7,260	6,950	13,500	9,110	4,810
Antimony	NS	NS	2.05	2.24	2.56	1.7	1.84	3.34	1.96	1.39	15
Arsenic	13	16	5 U	5 U	5 U	5 U	2.73	97.9	5 U	10.4	7.63
Barium	350	400	114	130	40.5	510	78.3	80.4	37.7	243	808
Beryllium	7.2	72	0.445	1.21	0.347	0.516	0.3	0.21	0.434	0.463	0.308
Cadmium	2.5	4.3	2.84	2.24	2.77	2.03	2.05	2.87	2.48	2.81	14.8
Chromium	30	36	2.34	20.9	13.8	20.8	13.2	22.8	20.9	16.2	32.3
Cobalt	NS	NS	6.97	9.91	6.21	7.07	6.06	5.35	6.55	25.4	21.8
Copper	50	270	23.3	23.7	21.4	14.5	27.8	38.8	13.8	131	394
Iron	NS	NS	29,100	23,700	25,700	24,800	18,700	33,200	25,400	19,700	138,000
Lead	63	400	64.1	181	198	33.1	173	174	13.1	766	2930
Magnesium	NS	NS	2,670	2,750	7,290	3,130	3,390	2,130	4,350	3,010	1,300
Manganese	1,600	2,000	345	226	404	2,990	190	611	205	962	1,090
Mercury	0.18	0.81	0.392	11.5	0.01	0.038	0.299	1.78	1.43	0.8	2.55
Nickel	30	310	11.4	21.9	12.2	13.6	13.8	8.86	13	42.4	36.8
Potassium	NS	NS	1,310	1,340	1,070	2,190	745	1,170	1,010	818	631
Selenium	3.9	180	0.502	0.552 U	0.552 U	0.552 U	0.552 U	0.552 U	0.552 U	0.552 U	0.552 U
Silver	2	180	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
Sodium	NS	NS	45.6	27.2	106	76.7	12.4	66.6	16.7	36.1	49.4
Thallium	NS	NS	0.276 U	0.276 U	0.276 U	0.276 U	0.276 U	0.276 U	0.276 U	0.276 U	0.276 U
Vanadium	NS	NS	35.3	45.4	22.9	35.5	19.4	29.3	305	22.2	35.1
Zinc	109	10,000	262	456	57.4	146	141	55.1	36.3	8.2	1,220

TABLE 2A
GROUNDWATER ANALYTICAL RESULTS - VOLATILE
ORGANIC COMPOUNDS

Table 2a
264 North 10th Street
Brooklyn, NY
Groundwater Analytical Results
Volatile Organic Compounds

Client ID	NYSDEC Class GA Ambient µg/L	GW-2 AKRF 8/31/2011	GW-8 AKRF 8/31/2011	GW-12 AKRF 8/31/2011	GW-15 AKRF 8/31/2011	TB AKRF 8/31/2011	FB AKRF 8/31/2011	GW-1 HTE 7/17/2006	GW-9 HTE 7/17/2006	GW-12 HTE 7/17/2006
1,1,1,2-Tetrachloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	2 U	2 U
1,1,1-Trichloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	2 U	2 U
1,1,2-Trichloroethane	1	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	2 U	2 U	2 U
1,1-Dichloroethane	5	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	2 U	2 U	2 U
1,1-Dichloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U
1,1-Dichloropropene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	NR	NR
1,2,3-Trichlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	NR	NR
1,2,3-Trichloropropane	0.04	5 U	5 U	5 U	5 U	5 U	5 U	NR	NR	NR
1,2,4,5-Tetramethylbenzene	5	2 U	2 U	2 U	2 U	2 U	2 U	NR	NR	NR
1,2,4-Trichlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	NR	NR
1,2,4-Trimethylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	NR	NR
1,2-Dibromo-3-chloropropane	0.04	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	NR	NR
1,2-Dibromoethane	0.0006	2 U	2 U	2 U	2 U	2 U	2 U	NR	NR	NR
1,2-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U
1,2-Dichloropropane	1	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	2 U	2 U	2 U
1,3,5-Trimethylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	NR	NR
1,3-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2 U	2 U	2 U
1,3-Dichloropropane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	1 U	1 U
1,4-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	1 U	1 U
1,4-Diethylbenzene	NS	2 U	2 U	2 U	2 U	2 U	2 U	NR	NR	NR
2,2-Dichloropropane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	NR	NR
2-Butanone	50	5 U	5 U	5 U	5 U	5 U	5 U	NR	NR	NR
2-Hexanone	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Ethyltoluene	NS	2 U	2 U	2 U	2 U	2 U	2 U	NR	NR	NR
4-Methyl-2-pentanone	NS	5 U	5 U	5 U	5 U	5 U	5 U	NR	NR	NR
Acetone	50	26	3 J	6.4	3 J	2.9 J	9.9	10 U	10 U	10 U
Acrylonitrile	5	5 U	5 U	5 U	5 U	5 U	5 U	NR	NR	NR
Benzene	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U
Bromobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	NR	NR
Bromochloromethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	NR	NR
Bromodichloromethane	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	5 U	5 U
Bromoform	50	2 U	2 U	2 U	2 U	2 U	2 U	1 U	1 U	1 U
Bromomethane	5	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	2 U
Carbon disulfide	60	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon tetrachloride	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	2 U	2 U
Chlorobenzene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U
Chloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	2 U
Chloroform	7	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	1 U	1 U	1 U
Chloromethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2 U	2 U	2 U
cis-1,2-Dichloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	0.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U
Dibromochloromethane	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	5 U	5 U
Dibromomethane	5	5 U	5 U	5 U	5 U	5 U	5 U	NR	NR	NR
Dichlorodifluoromethane	5	5 U	5 U	5 U	5 U	5 U	5 U	NR	NR	NR
Ethyl ether	NS	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	NR	NR
Ethylbenzene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	2 U	2 U
Hexachlorobutadiene	0.5	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	1 U	1 U	1 U
Isopropylbenzene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NR	NR	NR
Methyl tert butyl ether	10	1 U	0.31 J	1 U	0.5 J	1 U	1 U	NR	NR	NR
Methylene chloride	5	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U	10 U
Naphthalene	10	1.7 J	1.5 J	2.5 U	2.5 U	2.5 U	1.1 J	2 U	2 U	2 U
n-Butylbenzene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NR	NR	NR
n-Propylbenzene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NR	NR	NR
o-Chlorotoluene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	NR	NR
o-Xylene	5	1 U	1 U	1 U	1 U	1 U	0.82 J	1 U	1 U	1 U
p/m-Xylene	5	1 U	1 U	1 U	1 U	1 U	1.3	2 U	2 U	2 U
p-Chlorotoluene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	NR	NR
p-Isopropyltoluene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NR	NR	NR
sec-Butylbenzene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NR	NR	NR
Styrene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
tert-Butylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	NR	NR
Tetrachloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U
Toluene	5	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.99	1.96	1 U	1 U
trans-1,2-Dichloroethene	5	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U
trans-1,4-Dichloro-2-butene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	NR	NR
Trichloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	3 U
Trichlorofluoromethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	NR	NR
Vinyl acetate	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U	7 U
Vinyl chloride	2	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U

TABLE 2B

**GROUNDWATER ANALYTICAL RESULTS – SEMI-VOLATILE
ORGANIC COMPOUNDS**

Table 2b
264 North 10th Street
Brooklyn, NY
Groundwater Analytical Results
Semi-Volatile Organic Compounds

Client ID Company Date Sampled	NYSDEC Class GA Ambient Standard	GW-2 AKRF 8/31/2011	GW-8 AKRF 8/31/2011	GW-12 AKRF 8/31/2011	GW-15 AKRF 8/31/2011	GW-1 HTE 7/17/2006	GW-9 HTE 7/17/2006	GW-12 HTE 7/17/2006
µg/L	µg/L							
1,2,4,5-Tetrachlorobenzene	5	10 U	10 U	10 U	10 U	NA	NA	NA
1,2,4-Trichlorobenzene	5	5 U	5 U	5 U	5 U	1 U	1 U	1 U
1,2-Dichlorobenzene	3	2 U	2 U	2 U	2 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,4-Dichlorobenzene	3	2 U	2 U	2 U	2 U	2 U	2 U	2 U
2,4,5-Trichlorophenol	NS	5 U	5 U	5 U	5 U	2 U	2 U	2 U
2,4,6-Trichlorophenol	NS	5 U	5 U	5 U	5 U	1 U	1 U	1 U
2,4-Dichlorophenol	5	5 U	5 U	5 U	5 U	2 U	2 U	2 U
2,4-Dimethylphenol	50	5 U	5 U	5 U	5 U	10 U	10 U	10 U
2,4-Dinitrophenol	10	20 U	20 U	20 U	20 U	5 U	5 U	5 U
2,4-Dinitrotoluene	5	5 U	5 U	5 U	5 U	2 U	2 U	2 U
2,6-Dinitrotoluene	5	5 U	5 U	5 U	5 U	2 U	2 U	2 U
2-Chloronaphthalene	10	0.2 U	0.2 U	0.2 U	0.2 U	1 U	1 U	1 U
2-Chlorophenol	NS	2 U	2 U	2 U	2 U	2 U	2 U	2 U
2-Methylnaphthalene	NS	0.33	0.24	0.2 U	0.2 U	1 U	1 U	1 U
2-Methylphenol	NS	5 U	5 U	5 U	5 U	2 U	2 U	2 U
2-Nitroaniline	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Nitrophenol	NS	10 U	10 U	10 U	10 U	5 U	5 U	5 U
3,3'-Dichlorobenzidine	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
3-Methylphenol/4-Methylphenol	NS	5 U	5 U	5 U	5 U	2 U	2 U	2 U
3-Nitroaniline	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4,6-Dinitro-o-cresol	NS	10 U	10 U	10 U	10 U	5 U	5 U	5 U
4-Bromophenyl phenyl ether	NS	2 U	2 U	2 U	2 U	1 U	1 U	1 U
4-Chloroaniline	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Chlorophenyl phenyl ether	NS	2 U	2 U	2 U	2 U	2 U	2 U	2 U
4-Nitroaniline	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Nitrophenol	NS	10 U	10 U	10 U	10 U	5 U	5 U	5 U
Acenaphthene	20	3.4	0.42	0.11 J	0.08 J	3.26	1 U	1 U
Acenaphthylene	NS	0.08 J	0.2 U	0.2 U	0.2 U	1 U	1 U	1 U
Acetophenone	NS	5 U	5 U	5 U	5 U	NR	NR	NR
Anthracene	50	1.4	0.12 J	0.2 U	0.07 J	2.06	2 U	2 U
Benzo(a)anthracene	0.002	0.28	0.08 J	0.2 U	0.12 J	1.21	1 U	1 U
Benzo(a)pyrene	ND	0.27	0.17 J	0.15 J	0.21	1 U	1 U	1 U
Benzo(b)fluoranthene	0.002	0.26	0.17 J	0.14 J	0.19 J	5 U	5 U	5 U
Benzo(ghi)perylene	NS	0.31	0.27	0.24	0.27	1 U	1 U	1 U
Benzo(k)fluoranthene	0.002	0.13 J	0.2 U	0.2 U	0.08 J	2 U	2 U	2
Benzoic Acid	NS	50 U	50 U	50 U	50 U	NR	NR	NR
Benzyl Alcohol	NS	2 U	2 U	2 U	2 U	NR	NR	NR
Biphenyl	5	2 U	2 U	2 U	2 U	NR	NR	NR
Bis(2-chloroethoxy)methane	5	5 U	5 U	5 U	5 U	2 U	2 U	2 U
Bis(2-chloroethyl)ether	1	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Bis(2-chloroisopropyl)ether	NS	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Bis(2-Ethylhexyl)phthalate	5	3 U	3 U	3 U	3 U	2	2 U	2 U
Butyl benzyl phthalate	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbazole	NS	2 U	2 U	2 U	2 U	NR	NR	NR
Chrysene	0.002	0.31	0.06 J	0.2 U	0.1 J	2 U	2 U	2 U
Dibenzo(a,h)anthracene	NS	0.36	0.36	0.2 U	0.2 U	2 U	2 U	2 U
Dibenzofuran	NS	2 U	2 U	2 U	2 U	5 U	5 U	5 U
Diethyl phthalate	50	5 U	5 U	5 U	5 U	2 U	2 U	2 U
Dimethyl phthalate	50	5 U	5 U	5 U	5 U	1 U	1 U	1 U
Di-n-butylphthalate	50	5 U	5 U	5 U	5 U	3.17	2 U	2 U
Di-n-octylphthalate	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Fluoranthene	50	1.4	0.14 J	0.08 J	0.21	8.02	2 U	2 U
Fluorene	50	2.6	0.27	0.2 U	0.2 U	2 U	2 U	2 U
Hexachlorobenzene	0.04	0.8 U	0.8 U	0.8 U	0.8 U	2 U	2 U	2 U
Hexachlorobutadiene	0.5	0.5 U	0.5 U	0.5 U	0.5 U	2 U	2 U	2 U
Hexachlorocyclopentadiene	5	20 U	20 U	20 U	20 U	10 U	10 U	10 U
Hexachloroethane	5	0.8 U	0.8 U	0.8 U	0.8 U	2 U	2 U	2 U
Indeno(1,2,3-cd)Pyrene	0.002	0.34	0.29	0.27	0.3	2 U	2 U	2 U
Isophorone	50	5 U	5 U	5 U	5 U	2 U	2 U	2 U
Naphthalene	10	1.1	1.2	0.2 U	0.2 U	1 U	1 U	1 U
Nitrobenzene	0.4	2 U	2 U	2 U	2 U	2 U	2 U	2 U
NitrosoDiPhenylAmine(NDPA)/DPA	50	2 U	2 U	2 U	2 U	2 U	2 U	2 U
n-Nitrosodi-n-propylamine	NS	5 U	5 U	5 U	5 U	2 U	2 U	2 U
P-Chloro-M-Cresol	NS	2 U	2 U	2 U	2 U	NR	NR	NR
Pentachlorophenol	NS	0.8 U	0.8 U	0.8 U	0.8 U	5 U	5 U	5 U
Phenanthrene	50	5.9	0.32	0.08 J	0.21	2.32	2 U	2 U
Phenol	NS	5 U	5 U	5 U	5 U	2 U	2 U	2 U
Pyrene	50	0.97	0.12 J	0.08 J	0.18 J	5.12	2 U	2 U

TABLE 2C
GROUNDWATER ANALYTICAL RESULTS – METALS

Table 2c
264 North 10th Street
Brooklyn, NY
Groundwater Analytical Results
Metals

Client ID Company Date Sampled	NYSDEC Ambient Standard µg/L	GW-2 AKRF 8/31/2011	GW-8 AKRF 8/31/2011	GW-12 AKRF 8/31/2011	GW-15 AKRF 8/31/2011	GW-1 HTE 7/17/2006	GW-9 HTE 7/17/2006	GW-12 HTE 7/17/2006
Total Metals - µg/L								
Aluminum	NS	100,000	29,000	52,000	3,200	109,000	14,700	48,800
Antimony	3	20 U	4.1 J	10 U	1.3 J	58	9 U	14
Arsenic	25	95	61	28	23	200	55	180
Barium	1,000	3,370	592	1,100	473	3,890	1,900	3,750
Beryllium	3	7.8 J	2.7 J	5.4	5 U	14	1	6
Cadmium	5	4 J	3 J	2 J	5 U	67	9	20
Calcium	NS	250,000	500,000	240,000	210,000	340,000	211,000	292,000
Chromium	50	230	80	140	10	973	60	285
Cobalt	NS	85	30	90	4 J	146	22	59
Copper	200	898	298	222	44	621	593	1,440
Iron	300+	250,000	190,000	190,000	9,500	525,000	75,700	163,000
Lead	25	4,010	3,500	958	495	27,100	36,900	13,600
Magnesium	35,000	42,000	71,000	35,000	28,000	82,100	42,200	52,300
Manganese	300+	5,720	19,700	6,810	616	8,840	1,550	3,050
Mercury	0.7	0.2 U	0.2 U	0.2 U	0.2 U	49.5	99.5	242
Nickel	100	165	51	151	7 J	609	480	211
Potassium	NS	36,000	40,000	25,000	30,000	44,800	36,400	38,800
Selenium	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Silver	50	3 J	4 J	7 U	7 U	2 U	2 U	2 U
Sodium	20,000	38,000	100,000	50,000	63,000	82,100	130,000	131,000
Thallium	0.5	2 J	0.8 J	1 J	5 U	5 U	5 U	5 U
Vanadium	NS	372	95	206	15	773	109	343
Zinc	2,000	2,180	3,080	1,490	272	12,400	4,140	16,600

Dissolved Metals - µg/L

Aluminum	NS	120	350	970	60 J
Antimony	3	0.9 J	1.3 J	1 J	1.2
Arsenic	25	5	4 J	5 U	4 J
Barium	1,000	226	97	144	148
Beryllium	3	0.5 U	2.5 U	0.5 U	0.5 U
Cadmium	5	5 U	5 U	5 U	5 U
Calcium	NS	170,000	500,000	160,000	190,000
Chromium	50	10 U	3 J	10 U	10 U
Cobalt	NS	4 J	23	20 U	20 U
Copper	200	10 U	10 U	10 U	10 U
Iron	300+	290	44,000	630	290
Lead	25	3 J	30	3 J	8 J
Magnesium	35,000	32,000	76,000	24,000	32,000
Manganese	300+	1,480	16,500	570	510
Mercury	0.7	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	4 J	10 J	3 J	25 U
Potassium	NS	35,000	59,000	24,000	37,000
Selenium	10	6 J	16	4 J	10 U
Silver	50	7 U	7 U	7 U	7 U
Sodium	20,000	46,000	150,000	60,000	72,000
Thallium	0.5	0.5 U	2.5 U	0.03 J	0.1 J
Vanadium	NS	10 U	10 U	10 U	10 U
Zinc	2,000	12 J	463	11 J	20 J

TABLE 2D
GROUNDWATER ANALYTICAL RESULTS - PCBS

Table 2d
264 North 10th Street
Brooklyn, NY
Groundwater Analytical Results
Polychlorinated Biphenyls & Pesticides

Client ID Company Date Sampled	NYSDEC Class GA Ambient Standard µg/L	GW-2 AKRF 8/31/2011	GW-8 AKRF 8/31/2011	GW-12 AKRF 8/31/2011	GW-15 AKRF 8/31/2011	GW-1 HTE 7/17/2006	GW-9 HTE 7/17/2006	GW-12 HTE 7/17/2006
Polychlorinated Biphenyls - µg/L								
Aroclor 1016	0.09	0.083 U	0.083 U	0.083 U	0.083 U	0.4 U	0.4 U	0.4 U
Aroclor 1221	0.09	0.083 U	0.083 U	0.083 U	0.083 U	0.4 U	0.4 U	0.4 U
Aroclor 1232	0.09	0.083 U	0.083 U	0.083 U	0.083 U	0.4 U	0.4 U	0.4 U
Aroclor 1242	0.09	0.083 U	0.083 U	0.083 U	0.083 U	0.4 U	0.4 U	0.4 U
Aroclor 1248	0.09	0.083 U	0.083 U	0.083 U	0.083 U	0.4 U	0.4 U	0.4 U
Aroclor 1254	0.09	0.083 U	0.083 U	0.083 U	0.083 U	0.4 U	0.4 U	0.4 U
Aroclor 1260	0.09	0.083 U	0.083 U	0.083 U	0.083 U	0.4 U	0.4 U	0.4 U

Pesticides - µg/L

4,4'-DDD	0.3	0.047 U	0.04 U	0.04 U	0.04 U	0.05 U	0.05 U	0.05 U
4,4'-DDE	0.2	0.047 U	0.04 U	0.04 U	0.04 U	0.05 U	0.05 U	0.05 U
4,4'-DDT	0.2	0.047 U	0.04 U	0.04 U	0.04 U	0.05 U	0.05 U	0.05 U
Aldrin	ND	0.024 U	0.02 U	0.02 U	0.02 U	0.01 U	0.01 U	0.01 U
Alpha-BHC	0.01	0.024 U	0.02 U	0.02 U	0.02 U	0.01 U	0.01 U	0.01 U
Beta-BHC	0.04	0.024 U	0.02 U	0.02 U	0.02 U	0.01 U	0.01 U	0.01 U
Chlordane	0.05	0.235 U	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
Delta-BHC	0.04	0.024 U	0.02 U	0.02 U	0.02 U	0.01 U	0.01 U	0.01 U
Dieldrin	0.004	0.047 U	0.04 U	0.04 U	0.04 U	0.05 U	0.05 U	0.05 U
Endosulfan I	NS	0.024 U	0.02 U	0.02 U	0.02 U	0.05 U	0.05 U	0.05 U
Endosulfan II	NS	0.047 U	0.04 U	0.04 U	0.04 U	0.05 U	0.05 U	0.05 U
Endosulfan sulfate	NS	0.047 U	0.04 U	0.04 U	0.04 U	0.05 U	0.05 U	0.05 U
Endrin	ND	0.047 U	0.04 U	0.04 U	0.04 U	0.05 U	0.05 U	0.05 U
Endrin ketone	5	0.047 U	0.04 U	0.04 U	0.04 U	0.05 U	0.05 U	0.05 U
Heptachlor	0.04	0.024 U	0.02 U	0.02 U	0.02 U	0.01 U	0.01 U	0.01 U
Heptachlor epoxide	0.03	0.024 U	0.02 U	0.02 U	0.02 U	0.01 U	0.01 U	0.01 U
Lindane	0.05	0.024 U	0.02 U	0.02 U	0.02 U	0.01 U	0.01 U	0.01 U
Methoxychlor	35	0.235 U	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
Toxaphene	0.06	0.235 U	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
trans-Chlordane	NS	0.024 U	0.02 U	0.02 U	0.02 U	0.01 U	0.01 U	0.01 U

TABLE 3
SOIL VAPOR ANALYTICAL RESULTS VOLATILE ORGANIC
COMPOUNDS

Table 3
264 North 10th Street
Brooklyn, NY
Soil Vapor Analytical Results
Volatile Organic Compounds

Client ID	HEI RIOPA	EPA 2001	NYSDOH 2003	SG-1	SG-2	SG-3	AA-1
Lab Sample ID	2005 95th	BASE	Soil Vapor	L1113734-01	L1113734-02	L1113734-03	L1113734-04
Date Sampled	Percentile	90th	Intrusion	8/31/2011	8/31/2011	8/31/2011	8/31/2011
Dilution	Indoor Air	percentile	Air Guideline	10	10	10	1
$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	Value $\mu\text{g}/\text{m}^3$				
1,1,1-Trichloroethane	NS	20.6	NS	<10.9 U	<10.9 U	<10.9 U	<1.09 U
1,1,2,2-Tetrachloroethane	NS	NS	NS	<13.7 U	<13.7 U	<13.7 U	<1.37 U
1,1,2-Trichloroethane	NS	<1.5	NS	<10.9 U	<10.9 U	<10.9 U	<1.09 U
1,1-Dichloroethane	NS	<0.7	NS	<8.09 U	<8.09 U	<8.09 U	<0.809 U
1,1-Dichloroethene	NS	<1.4	NS	<7.93 U	<7.93 U	<7.93 U	<0.793 U
1,2,4-Trichlorobenzene	NS	<6.8	NS	<14.8 U	<14.8 U	<14.8 U	<1.48 U
1,2,4-Trimethylbenzene	NS	9.5	NS	44.1	<9.83 U	17	<0.983 U
1,2-Dibromoethane	NS	<1.5	NS	<15.4 U	<15.4 U	<15.4 U	<1.54 U
1,2-Dichlorobenzene	NS	<1.2	NS	<12 U	<12 U	<12 U	<1.2 U
1,2-Dichloroethane	NS	<0.9	NS	<8.09 U	<8.09 U	<8.09 U	<0.809 U
1,2-Dichloropropane	NS	<1.6	NS	<9.24 U	<9.24 U	<9.24 U	<0.924 U
1,3,5-Trimethylbenzene	NS	NS	NS	15.4	<9.83 U	<9.83 U	<0.983 U
1,3-Butadiene	NS	<3.0	NS	5.71	27.4	4.67	<0.442 U
1,3-Dichlorobenzene	NS	<2.4	NS	<12 U	<12 U	<12 U	<1.2 U
1,4-Dichlorobenzene	3.66	5.5	NS	<12 U	<12 U	<12 U	<1.2 U
1,4-Dioxane	NS	NS	NS	<7.21 U	<7.21 U	<7.21 U	<0.721 U
2,2,4-Trimethylpentane	NS	NS	NS	<9.34 U	<9.34 U	13.7	<0.934 U
2-Butanone	NS	12	NS	44.2	77.3	13.2	2.69
2-Hexanone	NS	NS	NS	<8.2 U	<8.2 U	<8.2 U	<0.82 U
3-Chloropropene	NS	NS	NS	<6.26 U	<6.26 U	<6.26 U	<0.626 U
4-Ethyltoluene	NS	3.6	NS	25.8	<9.83 U	14.9	<0.983 U
4-Methyl-2-pentanone	NS	6	NS	18.2	<8.2 U	90.6	<0.82 U
Acetone	45.8	98.9	NS	919	1,340	784	21.4
Benzene	10	9.4	NS	45.7	415	51.4	<0.639 U
Benzyl chloride	NS	<6.8	NS	<10.4 U	<10.4 U	<10.4 U	<1.04 U
Bromodichloromethane	NS	NS	NS	<13.4 U	<13.4 U	<13.4 U	<1.34 U
Bromoform	NS	NS	NS	<20.7 U	<20.7 U	<20.7 U	<2.07 U
Bromomethane	NS	<1.7	NS	<7.77 U	<7.77 U	<7.77 U	<0.777 U
Carbon disulfide	NS	4.2	NS	7.66	31.4	<6.23 U	<0.623 U
Carbon tetrachloride	1.1	<1.3	NS	<12.6 U	<12.6 U	<12.6 U	<1.26 U
Chlorobenzene	NS	<0.9	NS	<9.21 U	<9.21 U	<9.21 U	<0.921 U
Chloroethane	NS	<1.1	NS	<5.28 U	<5.28 U	<5.28 U	<0.528 U
Chloroform	6.34	1.1	NS	<9.77 U	<9.77 U	<9.77 U	<0.977 U
Chloromethane	NS	3.7	NS	<4.13 U	<4.13 U	<4.13 U	1.27
cis-1,2-Dichloroethene	NS	<1.9	NS	<7.93 U	<7.93 U	<7.93 U	<0.793 U
cis-1,3-Dichloropropene	NS	<2.3	NS	<9.08 U	<9.08 U	<9.08 U	<0.908 U
Cyclohexane	NS	NS	NS	<6.88 U	871	10	<0.688 U
Dibromochloromethane	NS	NS	NS	<17 U	<17 U	<17 U	<1.7 U
Dichlorodifluoromethane	NS	16.5	NS	<9.89 U	<9.89 U	<9.89 U	2.76
Ethanol	NS	210	NS	80.1	157	298	12.8
Ethyl Acetate	NS	5.4	NS	<18 U	<18 U	<18 U	<1.8 U
Ethylbenzene	7.62	5.7	NS	60.8	131	49.1	<0.869 U
Freon-113	NS	3.5	NS	<15.3 U	<15.3 U	<15.3 U	<1.53 U
Freon-114	NS	NS	NS	<14 U	<14 U	<14 U	<1.4 U
Heptane	NS	NS	NS	67.2	2130	68.8	<0.82 U
Hexachlorobutadiene	NS	<6.8	NS	<21.3 U	<21.3 U	<21.3 U	<2.13 U
Isopropanol	NS	250	NS	<12.3 U	<12.3 U	<12.3 U	1.5
Methyl tert butyl ether	36	11.5	NS	<7.21 U	<7.21 U	<7.21 U	<0.721 U
Methylene chloride	7.5	10	60	<34.7 U	<34.7 U	<34.7 U	18.8
n-Hexane	NS	10.2	NS	110	1,090	138	0.878
o-Xylene	7.24	7.9	NS	47.8	79.5	34.3	<0.869 U
p/m-Xylene	22.2	22.2	NS	261	434	198	<1.74 U
Propylene	NS	NS	NS	77.8	534	59.7	<0.86 U
Styrene	5.13	1.9	NS	<8.52 U	<8.52 U	<8.52 U	<0.852 U
Tetrachloroethane	6.01	15.9	100	61.8	34.4	86.1	<1.36 U
Tetrahydrofuran	NS	NS	NS	<5.9 U	8.2	<5.9 U	<0.59 U
Toluene	39.8	43	NS	445	7,390	445	3.73
trans-1,2-Dichloroethene	NS	NS	NS	<7.93 U	<7.93 U	<7.93 U	<0.793 U
trans-1,3-Dichloropropene	NS	<1.3	NS	<9.08 U	<9.08 U	<9.08 U	<0.908 U
Trichloroethene	1.36	4.2	5	<10.7 U	<10.7 U	108	<1.07 U
Trichlorofluoromethane	NS	18.1	NS	<11.2 U	<11.2 U	<11.2 U	1.64
Vinyl acetate	NS	NS	NS	<7.04 U	<7.04 U	<7.04 U	<0.704 U
Vinyl bromide	NS	NS	NS	<8.74 U	<8.74 U	<8.74 U	<0.874 U
Vinyl chloride	NS	<1.9	NS	<5.11 U	<5.11 U	<5.11 U	<0.511 U

Exceedances marked by EPA 2001 BASE 90th percentile standard.

TABLE 4
LIST OF TRACK 4 SITE-SPECIFIC SCOS

Table 4
264 North 10th Street
Brooklyn, NY
List of Track 4 Site Specific SCOs

Compound (mg/kg)	Site Specific Soil Cleanup Objectives
Volatile organic compounds	
1,1,1-Trichloroethane	100
1,1-Dichloroethane	26
1,1-Dichloroethene	100
1,2-Dichlorobenzene	100
1,2-Dichloroethane	3.1
cis -1,2-Dichloroethene	100
trans-1,2-Dichloroethene	100
1,3-Dichlorobenzene	49
1,4-Dichlorobenzene	13
1,4-Dioxane	13
Acetone	100
Benzene	4.8
n-Butylbenzene	100
Carbon tetrachloride	2.4
Chlorobenzene	100
Chloroform	49
Ethylbenzene	41
Hexachlorobenzene	1.2
Methyl ethyl ketone	100
Methyl tert-butyl ether	100
Methylene chloride	100
n - Propylbenzene	100
sec-Butylbenzene	100
tert-Butylbenzene	100
Tetrachloroethene	19
Toluene	100
Trichloroethene	21
1,2,4-Trimethylbenzene	52
1,3,5-Trimethylbenzene	52
Vinyl chloride	0.9
Xylene (mixed)	100
Semivolatile organic compounds	
Total SVOCs	250

Compound (mg/kg)	Site Specific Soil Cleanup Objectives
Metals	
Arsenic	23
Barium	400
Beryllium	72
Cadmium	4.3
Chromium, hexavalent	110
Chromium, trivalent	180
Copper	270
Total Cyanide	27
Lead	1,000
Manganese	2,000
Total Mercury	3.5
Nickel	310
Selenium	180
Silver	180
Zinc	10,000
PCBs/Pesticides	
2,4,5-TP Acid (Silvex)	100
4,4'-DDE	8.9
4,4'-DDT	7.9
4,4'-DDD	13
Aldrin	0.097
alpha-BHC	0.48
beta-BHC	0.36
Chlordane (alpha)	4.2
delta-BHC	100
Dibenzofuran	59
Dieldrin	0.2
Endosulfan I	24
Endosulfan II	24
Endosulfan sulfate	24
Endrin	11
Heptachlor	2.1
Lindane	1.3
Polychlorinated biphenyls	1

APPENDIX 1
CITIZEN PARTICIPATION PLAN

CITIZEN PARTICIPATION PLAN

The NYC Office of Environmental Remediation and 250 North 10th Street, LLC have established this Citizen Participation Plan because the opportunity for citizen participation is an important component of the NYC Brownfield Cleanup Program. This Citizen Participation Plan describes how information about the project will be disseminated to the Community during the remedial process. As part of its obligations under the NYC BCP, 250 North 10th Street, LLC will maintain a repository for project documents and provide public notice at specified times throughout the remedial program. This Plan also takes into account potential environmental justice concerns in the community that surrounds the project Site. Under this Citizen Participation Plan, project documents and work plans are made available to the public in a timely manner. Public comment on work plans is strongly encouraged during public comment periods. Work plans are not approved by the NYC Office of Environmental Remediation (OER) until public comment periods have expired and all comments are formally reviewed. An explanation of cleanup plans in the form of a public meeting or informational session is available upon request to OER's project manager assigned to this Site, Michael C. Mandac, who can be contacted about these issues or any others questions, comments or concerns that arise during the remedial process at (212) 788-8841.

Project Contact List. OER has established a Site Contact List for this project to provide public notices in the form of fact sheets to interested members of the Community. Communications will include updates on important information relating to the progress of the cleanup program at the Site as well as to request public comments on the cleanup plan. The Project Contact List includes owners and occupants of adjacent buildings and homes, principal administrators of nearby schools, hospitals and day care centers, the public water supplier that serves the area, established document repositories, the representative Community Board, City Council members, other elected representatives and any local Brownfield Opportunity Area (BOA) grantee organizations. Any member of the public or organization will be added to the Site Contact List on request. A copy of the Site Contact List is maintained by OER's project manager. If you would like to be added to the Project Contact List, contact NYC OER at (212) 788-8841 or by email at brownfields@cityhall.nyc.gov.

Repositories. A document repository is maintained in the nearest public library that maintains evening and weekend hours. This document repository is intended to house, for community review, all principal documents generated during the cleanup program including Remedial Investigation plans and reports, Remedial Action work plans and reports, and all public notices and fact sheets produced during the lifetime of the remedial project. 250 North 10th Street, LLC will inspect the repositories to ensure that they are fully populated with project information. The repository for this project is:

Brooklyn Public Library: Greenpoint Branch

107 Norman Avenue, Brooklyn, New York 11222-2902

718-349-8504

Monday, Tuesday, Friday – 10:00 am to 6:00 pm, Wednesday – 10:00 am to 8:00 pm, Thursday 1:00 pm to 8:00 pm, and Saturday 10:00 am to 5:00 pm. Sunday - Closed.

Digital Documentation. NYC OER strongly encourages the use of digital documents in repositories as a means of minimizing paper use while also increasing convenience in access and ease of use.

Public Notice and Public Comment. Public notice to all members of the Project Contact List is required at three major steps during the performance of the cleanup program (listed below) and at other points that may be required by OER. Notices will include Fact Sheets with descriptive project summaries, updates on recent and upcoming project activities, repository information, and important phone and email contact information. All notices will be prepared by 250 North 10th Street, LLC, reviewed and approved by OER prior to distribution and mailed by 250 North 10th Street, LLC. Public comment is solicited in public notices for all work plans developed under the NYC Brownfield Cleanup Program. Final review of all work plans by OER will consider all public comments. Approval will not be granted until the public comment period has been completed.

Citizen Participation Milestones. Public notice and public comment activities occur at several steps during a typical NYC BCP project. See flow chart on the following page, which identifies when during the NYC BCP public notices are issued: These steps include:

- **Public Notice of the availability of the Remedial Investigation Report and Remedial Action Work Plan and a 30-day public comment period on the Remedial Action Work Plan.**

Public notice in the form of a Fact Sheet is sent to all parties listed on the Site Contact List announcing the availability of the Remedial Investigation Report and Remedial Action Work Plan and the initiation of a 30-day public comment period on the Remedial Action Work Plan. The Fact Sheet summarizes the findings of the RIR and provides details of the RAWP. The public comment period will be extended an additional 15 days upon public request. A public meeting or informational session will be conducted by OER upon request.

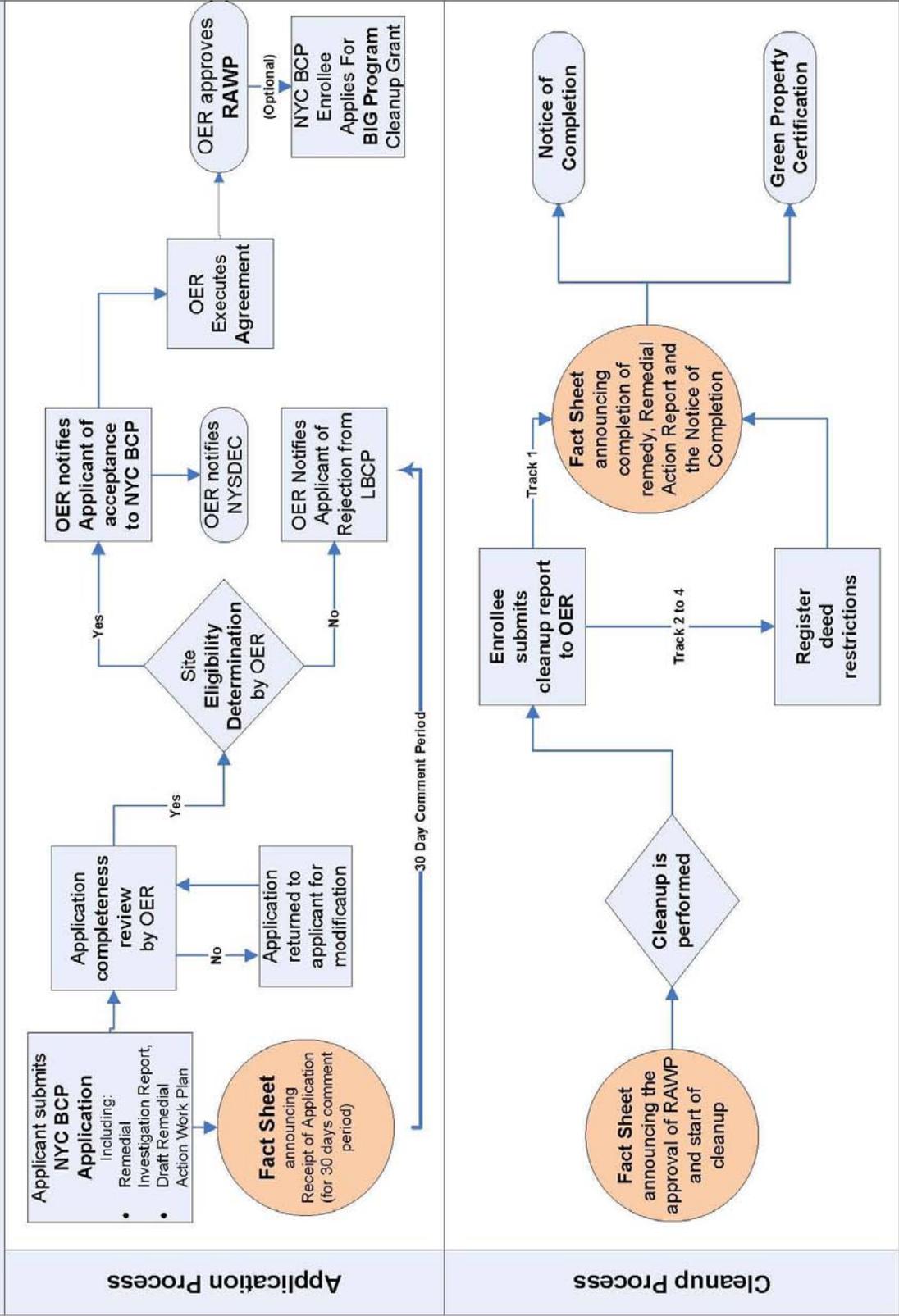
- **Public Notice announcing the approval of the RAWP and the start of remediation**

Public notice in the form of a Fact Sheet is sent to all parties listed on the Site Contact List announcing the approval of the RAWP and the start of remediation.

- **Public Notice announcing the completion of remediation, designation of Institutional and Engineering Controls and issuance of the Notice of Completion**

Public notice in the form of a Fact Sheet is sent to all parties listed on the Site Contact List announcing the completion of remediation, providing a list of all Institutional and Engineering Controls implemented for to the Site and announcing the issuance of the Notice of Completion.

Flow Chart For NYC Brownfield Cleanup Program (NYC BCP)



APPENDIX 2
SUSTAINABILITY STATEMENT

SUSTAINABILITY STATEMENT

This Sustainability Statement documents sustainable activities and green remediation efforts planned under this remedial action.

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

An estimate of the quantity (in tons) of clean, non-virgin materials (reported by type of material) reused under this plan will be quantified and reported in the RAR.

Reduce Consumption of Virgin and Non-Renewable Resources. Reduced consumption of virgin and non-renewable resources lowers the overall environmental impact of the project on the region by conserving these resources.

An estimate of the quantity (in tons) of virgin and non-renewable resources, the use of which will be avoided under this plan, will be quantified and reported in the RAR.

Reduced Energy Consumption and Promotion of Greater Energy Efficiency. Reduced energy consumption lowers greenhouse gas emissions, improves local air quality, lessens in-city power generation requirements, can lower traffic congestion, and provides substantial cost savings.

Best efforts will be made to quantify energy efficiencies achieved during the remediation and will be reported in the Remedial Action Report (RAR). Where energy savings cannot be easily quantified, a gross indicator of the amount of energy saved or the means by which energy savings was achieved will be reported.

Conversion to Clean Fuels. Use of clean fuel improves NYC's air quality by reducing harmful emissions. The enrollee anticipates the use of clean diesel and/or low sulfur fuels.

An estimate of the volume of clean fuels used during remedial activities will be quantified and reported in the RAR.

Recontamination Control. Recontamination after cleanup and redevelopment is completed undermines the value of work performed, may result in a property that is less protective of public

health or the environment, and may necessitate additional cleanup work later or impede future redevelopment. Recontamination can arise from future releases that occur within the property or by influx of contamination from off-Site.

Measures to limit the potential for recontamination include the use of a vapor barrier to limit the migration of soil vapor contamination, and a full site cap that will isolate the fill material and limit migration of soil contaminants related to the infiltration of precipitation.

An estimate of the area of the Site that utilizes recontamination controls under this plan will be reported in the RAR in square feet.

Storm-water Retention. Storm-water retention improves water quality by lowering the rate of combined storm-water and sewer discharges to NYC's sewage treatment plants during periods of precipitation, and reduces the volume of untreated influent to local surface waters.

An estimate of the enhanced storm-water retention capability of the redevelopment project, where applicable, will be included in the RAR.

Linkage with Green Building. Green buildings provide a multitude of benefits to the city across a broad range of areas, such as reduction of energy consumption, conservation of resources, and reduction in toxic materials use.

The number of Green Buildings that are associated with this brownfield redevelopment property will be reported in the RAR. The total square footage of green building space created as a function of this brownfield redevelopment will be quantified for residential, commercial and industrial/manufacturing uses.

Paperless Brownfield Cleanup Program. 250 North 10th Street, LLC is participating in OER's Paperless Brownfield Cleanup Program. Under this program, submission of electronic documents will replace submission of hard copies for the review of project documents, communications and milestone reports.

Low-Energy Project Management Program. 250 North 10th Street, LLC is participating in OER's low-energy project management program. Under this program, whenever possible, meetings are held using remote communication technologies, such as videoconferencing and

teleconferencing to reduce energy consumption and traffic congestion associated with personal transportation.

Trees and Plantings. Trees and other plantings provide habitat and add to NYC's environmental quality in a wide variety of ways. Native plant species and native habitat provide optimal support to local fauna, promote local biodiversity, and require less maintenance. Sidewalk planters will be utilized to include plantings as part of the redevelopment plans.

An estimate of the land area that will be vegetated will be reported in square feet in the RAR.

APPENDIX 3

SOIL/MATERIALS MANAGEMENT PLAN

SOIL/MATERIALS MANAGEMENT PLAN

1.1 SOIL SCREENING METHODS

Visual, olfactory and PID soil screening and assessment will be performed under the supervision of a Qualified Environmental Professional and will be reported in the RAR. Soil screening will be performed during invasive work performed during the remedy and development phases prior to issuance of the Notice of Completion.

1.2 STOCKPILE METHODS

Excavated soil from suspected areas of contamination (e.g., fill material, hot spots, USTs, drains, etc.) will be stockpiled separately and will be segregated from clean soil and construction materials. Stockpiles will be used only when necessary and will be removed as soon as practicable. While stockpiles are in place, they will be inspected daily, and before and after every storm event. Results of inspections will be recorded in a logbook and maintained at the Site and available for inspection by OER. Excavated soils will be stockpiled on, at minimum, double layers of 6-mil minimum sheeting, will be kept covered at all times with appropriately anchored plastic tarps, and will be routinely inspected. Broken or ripped tarps will be promptly replaced.

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

1.3 CHARACTERIZATION OF EXCAVATED MATERIALS

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

1.4 MATERIALS EXCAVATION, LOAD-OUT AND DEPARTURE

The PE/QEP overseeing the remedial action will:

- oversee remedial work and the excavation and load-out of excavated material;
- ensure that there is a party responsible for the safe execution of invasive and other work performed under this work plan;

- ensure that Site development activities and development-related grading cuts will not interfere with, or otherwise impair or compromise the remedial activities proposed in this RAWP;
- ensure that the presence of utilities and easements on the Site has been investigated and that any identified risks from work proposed under this plan are properly addressed by appropriate parties;
- ensure that all loaded outbound trucks are inspected and cleaned if necessary before leaving the Site;
- ensure that all egress points for truck and equipment transport from the Site will be kept clean of Site-derived materials during Site remediation.

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

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

1.5 OFF-SITE MATERIALS TRANSPORT

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

Outbound truck transport routes are shown on Figure 8. This routing takes into account the following factors: (a) limiting transport through residential areas and past sensitive sites; (b) use of mapped truck routes; (c) minimizing off-Site queuing of trucks entering the facility; (d) limiting total distance to major highways; (e) promoting safety in access to highways; and (f) overall safety in transport. To the extent possible, all trucks loaded with Site materials will travel from the Site using these truck routes. Trucks will not stop or idle in the neighborhood after leaving the project Site.

1.6 MATERIALS DISPOSAL OFF-SITE

The following documentation will be established and reported by the PE/QEP for each disposal destination used in this project to document that the disposal of regulated material exported from the Site conforms with applicable laws and regulations: (1) a letter from the PE/QEP or Enrollee to each disposal facility describing the material to be disposed and requesting written acceptance of the material. This letter will state that material to be disposed is regulated material generated at an environmental remediation Site in Brooklyn, New York under a governmental remediation program. The letter will provide the project identity and the name and phone number of the PE/QEP or Enrollee. The letter will include as an attachment a summary of all chemical data for the material being transported; and (2) a letter from each disposal facility stating it is in receipt of the correspondence (1, above) and is approved to accept the material. These documents will be included in the RAR.

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

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

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

1.7 MATERIALS REUSE ON-SITE

The majority of the excavated soil will be shipped off-site for disposal. Some soil and fill that is derived from the property that meets the soil cleanup objectives established in this plan may be reused on-Site. The soil cleanup objectives for on-Site reuse are listed in Table 4. 'Reuse on-Site' means material that is excavated during the remedy or development, does not leave the

property, and is relocated within the same property and on comparable soil/fill material, and addressed pursuant to the NYC BCP agreement subject to Engineering and Institutional Controls. The PE/QEP will ensure that reused materials are segregated from other materials to be exported from the Site and that procedures defined for material reuse in this RAWP are followed. The expected location for placement of reused material includes backfill around pile caps and foundation bulkheads. The pile caps will be located at various locations within the property boundary, and the foundation bulkheads are shown in Figure 6.

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

1.8 DEMARCATION

After completion of site excavation and any other invasive remedial activities, and prior to backfilling, the top of the residual soil/fill will be defined by the foundation elements as the development plan includes full build-out to the property boundary. A description or map of the approximate depth of the foundation elements will be provided in the SMP; or (2) a land survey of the top elevation of residual soil/fill before the placement of cover soils, pavement and associated sub-soils, or other materials or structures or, (3) all materials beneath the approved cover will be considered impacted and subject to site management after the remedy is complete. As appropriate, a map showing the foundation depth for the Site and all associated documentation will be presented in the RAR.

This demarcation will constitute the top of the site management horizon. Materials within this horizon require adherence to special conditions during future invasive activities as defined in the Site Management Plan.

1.9 IMPORT OF BACKFILL SOIL FROM OFF-SITE SOURCES

Since the foundation includes full build-out to the property boundary, the importation of soil is not expected to be utilized below the site cover or for clean fill. In the event that soil importation is needed for the backfilling purposes, this Section presents the requirements for imported fill materials. All imported soils will meet OER-approved backfill and cover soil quality objectives for this Site. The backfill and cover soil quality objectives include the NYSDEC Part 375 Unrestricted Use SCOs.

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

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

- Clean soil from construction projects at non-industrial sites in compliance with applicable laws and regulations;
- Clean soil from roadway or other transportation-related projects in compliance with applicable laws and regulations;
- Clean recycled concrete aggregate (RCA) from facilities permitted or registered by the regulations of NYS DEC.
- Virgin quarried material or other materials with an approved Beneficial Use Determination (BUD) from NYSDEC for use as clean fill

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

Source Screening and Testing

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

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

Composite samples of imported material from the identified clean soil sources will be taken at a minimum frequency of one sample for every 500 cubic yards of material. One composite

sample will be collected from each source of virgin quarried material or other material with an NYSDEC approved BUD.

Once it is determined that the fill material meets imported backfill or cover soil chemical requirements and is non-hazardous, and lacks petroleum contamination, the material will be loaded onto trucks for delivery to the Site.

Recycled concrete aggregate (RCA) will be imported from facilities permitted or registered by NYSDEC. Facilities will be identified in the RAR. A PE/QEP is responsible to ensure that the facility is compliant with 6NYCRR Part 360 registration and permitting requirements for the period of acquisition of RCA. RCA imported from compliant facilities will not require additional testing, unless required by NYSDEC under its terms for operation of the facility. RCA imported to the Site must be derived from recognizable and uncontaminated concrete. RCA material is not acceptable for, and will not be used as cover material.

1.10 FLUIDS MANAGEMENT

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

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

1.11 STORM-WATER POLLUTION PREVENTION

Applicable laws and regulations pertaining to storm-water pollution prevention will be addressed during the remedial program. Erosion and sediment control measures identified in this RAWP (silt fences and barriers, and hay bale checks) will be installed around the entire

perimeter of the remedial construction area and inspected once a week and after every storm event to ensure that they are operating appropriately. Discharge locations will be inspected to determine whether erosion control measures are effective in preventing significant impacts to receptors. Results of inspections will be recorded in a logbook and maintained at the Site and available for inspection by OER. All necessary repairs shall be made immediately. Accumulated sediments will be removed as required to keep the barrier and hay bale check functional. Undercutting or erosion of the silt fence toe anchor will be repaired immediately with appropriate backfill materials. Manufacturer's recommendations will be followed for replacing silt fencing damaged due to weathering.

1.12 CONTINGENCY PLAN

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

1.13 ODOR, DUST AND NUISANCE CONTROL

Odor Control

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

This odor control plan is capable of controlling emissions of nuisance odors. If nuisance odors are identified, work will be halted and the source of odors will be identified and corrected. Work will not resume until all nuisance odors have been abated. OER will be notified of all odor

complaint events. Implementation of all odor controls, including halt of work, will be the responsibility of the PE/QEP's certifying the Remedial Action Report.

Dust Control

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

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

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

Other Nuisances

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

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

APPENDIX 4

CONSTRUCTION HEALTH AND SAFETY PLAN

264 NORTH 10TH STREET
BROOKLYN, NEW YORK

Health and Safety Plan

NYC BCP Number: E-138

Prepared for:

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FIGURES

Figure 1 - Project Site Location & Hospital Route Map

ATTACHMENTS

- Appendix A - Potential Health Effects from On-site Contaminants
- Appendix B - West Nile Virus / St. Louis Encephalitis Prevention
- Appendix C - Incident Report
- Appendix D - Emergency Hand Signals

1.0 PURPOSE

The purpose of this Health and Safety Plan (HASP) is to assign responsibilities, establish personnel protection standards and mandatory safety practices and procedures, and provide for contingencies that may arise during remediation and construction at the project site. The HASP is intended to minimize health and safety risks resulting from the known and potential presence of hazardous materials on the site.

This plan is not designed to address potential geotechnical, mechanical, or structural safety concerns, not to supersede or replace any OSHA regulation and/or local and state construction codes or regulations.

2.0 APPLICABILITY

Work subject to this HASP shall be all activities that disturb the existing on-site soil/fill. The contractors and their subcontractors involved in the construction project shall provide a copy of this HASP to their employees whose work involves any potential exposure to the on-site chemical hazards, and shall complete all work in accordance with this HASP.

3.0 SITE DESCRIPTION

3.1 General Information

The Site is located at 264 North 10th Street in the Williamsburg section in Brooklyn, New York and is identified as Block 2307 and Lots 1, 14, 16, 19, and 31 on the New York City Tax Map. The Site is approximately 50,000 square feet and is bounded by Roebling Street to the northwest, North 10th Street to the northeast, Union Avenue to the east, and Withers Street to the south. The majority of the southwester border of the Site is bounded by adjacent lots within the site block, with a portion of the Site (Lot 31) extending to North 9th Street.

3.2 Hazard Potential

A Remedial Investigation (RI) was completed in two separate phases; Hydrotech Environmental, Corp. (Hydrotech) completed the first phase in August 2006, and AKRF, Inc. (AKRF) completed the second phase in August 2011. Semi-volatile organic compounds (SVOCs) and metals were detected above the Unrestricted Use Soil Cleanup Objectives (USCOs) and the Restricted Use Residential Soil Cleanup Objectives (RRSCOs) listed in the New York State Department of Environmental Conservation (NYSDEC) Part 375 SCOs. SVOCs detected above the RSCOs are classified as polycyclic aromatic hydrocarbons (PAHs) and included: acenaphthene, chrysene, benzo(b)fluoranthene, benzo(a)anthracene, benzo(k)fluoroanthene, benzo(a)pyrene, and indeno(123-cd)pyrene. Metals detected above their RSCOs included; arsenic barium, cadmium, chromium, copper, lead, manganese, mercury, and zinc. The detected soil contaminants are most likely associated with materials used to fill the site and/or surface runoff from fill material at the site.

SVOCs and metals were detected in groundwater at the subject site above their applicable NYSDEC Glass GA Ambient Water Quality Guidance Values. However, no sheen or product was encountered during the field investigation.

Soil gas analytical results indicated that trichloroethylene (TCE) was detected at a concentration above its respective NYSDOH air guidance value (AGV). A total of 13 VOCs, including 1,2,4 trimethylbenzene, 2-butanone, 4-ethyltoluene, 4-methyl-2-pentanone, acetone, benzene, carbon

disulfide, ethanol, ethylbenzene, n-hexane, xylenes, tetrachloroethylene (PCE), tetrahydrofuran, toluene, and TCE were detected in soil gas at concentrations above their respective Health Effects Institute (HEI) and/or the Environmental Protection Agency (EPA) AGVs. The concentrations were observed to be randomly dispersed throughout the subsurface; no specific on-site source area of the vapors could be ascertained from the soil gas data or soil or groundwater data.

3.3 Hazard Evaluation

The most likely routes of exposure are breathing of volatile and semi-volatile compounds or particulate-laden air released during soil disturbing activities, dermal contact, and accidental ingestion. Appendix A includes specific health effects from the known on-site chemicals. The remaining sections of this HASP address procedures (including training, air monitoring, work practices and emergency response) to reduce the potential for unnecessary and unacceptable exposure to these contaminants.

The potential adverse health effects from these detected contaminants are diverse. Many of these compounds are known or suspected to result in chronic illness from long-term exposures. However, due to the limited nature of the proposed construction, only acute effects are a potential concern.

This HASP addresses potential environmental hazards from the presence of hazardous materials. It is not intended to address the normal hazards of construction work, which are separately covered by OSHA regulations and/or local and state construction codes and regulations.

3.3.1 Hazards of Concern

Check all that apply		
<input checked="" type="checkbox"/> Organic Chemicals	<input checked="" type="checkbox"/> Inorganic Chemicals	<input type="checkbox"/> Radiological
<input type="checkbox"/> Biological	<input type="checkbox"/> Explosive/Flammable	<input type="checkbox"/> Oxygen Deficient Atm.
<input checked="" type="checkbox"/> Heat Stress	<input checked="" type="checkbox"/> Cold Stress	<input type="checkbox"/> Other
Comments: No personnel are permitted to enter permit confined spaces		

3.3.2 Physical Characteristics

Check all that apply		
<input checked="" type="checkbox"/> Liquid	<input checked="" type="checkbox"/> Solid	<input type="checkbox"/> Sludge
<input checked="" type="checkbox"/> Vapors	<input type="checkbox"/> Unknown	<input type="checkbox"/> Other
Comments:		

3.3.3 Hazardous Materials

Check all that apply					
Chemicals	Solids	Sludges	Solvents	Oils	Other
<input type="checkbox"/> Acids	<input type="checkbox"/> Ash	<input type="checkbox"/> Paints	<input checked="" type="checkbox"/> Halogens	<input type="checkbox"/> Transformer	<input type="checkbox"/> Lab
<input type="checkbox"/> Caustics	<input type="checkbox"/> Asbestos	<input type="checkbox"/> Metals	<input checked="" type="checkbox"/> Petroleum	<input type="checkbox"/> Other DF	<input type="checkbox"/> Pharm
<input type="checkbox"/> Pesticides	<input type="checkbox"/> Tailings	<input type="checkbox"/> POTW	<input type="checkbox"/> Other	<input type="checkbox"/> Motor or Hydraulic Oil	<input type="checkbox"/> Hospital
<input checked="" type="checkbox"/> Petroleum	<input checked="" type="checkbox"/> Other: Fill Material	<input type="checkbox"/> Other – Tars & Other NAPL		<input type="checkbox"/> Other	<input type="checkbox"/> Rad.
<input checked="" type="checkbox"/> VOCs					<input type="checkbox"/> MGP
<input type="checkbox"/> PCBs					<input type="checkbox"/> Mold
<input checked="" type="checkbox"/> Metals					<input type="checkbox"/> Other
<input checked="" type="checkbox"/> SVOCs					

3.3.4 Chemicals of Concern

Chemicals	REL/PEL/STEL (ppm)	Health Hazards
Benzene	REL = 0.1 ppm PEL = 1 ppm STEL = 5 ppm	Irritation eyes, skin, nose, respiratory system; dizziness; headache, nausea, staggered gait; anorexia, lassitude, dermatitis; bone marrow depression, potential occupational carcinogen.
Toluene	REL = 100 ppm PEL = 200 ppm STEL = 300 ppm	Irritation eyes, nose; lassitude, confusion, euphoria, dizziness, headache; dilated pupils, lacrimation (discharge of tears); anxiety, muscle fatigue, insomnia; paresthesia; dermatitis; liver, kidney damage.
Ethylbenzene	REL = 100 ppm PEL = 100 ppm	Irritation eyes, skin, mucous membrane; headache; dermatitis; narcosis, coma.
Xylenes	REL = 100 ppm PEL = 100 ppm	Irritation eyes, skin, nose, throat; dizziness, excitement, drowsiness, incoordination, staggering gait; corneal vacuolization; anorexia, nausea, vomiting, abdominal pain; dermatitis.
Tetrachloroethylene (PCE)	REL = Lowest possible PEL = 100 ppm, 200 ppm, 300 ppm	Irritation eyes, skin, nose, throat, respiratory system; nausea; flush face, neck; dizziness, incoordination, headache, drowsiness, skin erythema (skin redness), and liver damage.
Trichlorethylene (TCE)	REL = 2 ppm (60 minute ceiling) PEL = 100 ppm, 200 ppm, 300 ppm	Headaches, lung irritation, dizziness, poor coordination, impaired heart function, unconsciousness, and nerve, kidney and liver damage.
Polyaromatic Hydrocarbons (PAHs)	REL= 0.1 mg/m ³ PEL= 5 mg/m ³	Harmful effects on the skin, body fluids, and ability to fight disease after both short and long term exposure, birth defects, and potential occupational carcinogen.
Arsenic	REL= 0.002 mg/m ³ PEL= 0.01 mg/m ³	Ulceration of nasal septum, dermatitis, gastrointestinal disturbances, peripheral neuropathy, resp irritation, hyperpigmentation of skin, [potential occupational carcinogen]

Mercury	REL= 0.05 mg/m ³ vapor REL= 0.1 mg/m ³ other PEL= 0.1 mg/m ³	Irritation eyes, skin; cough, chest pain, dyspnea (breathing difficulty), bronchitis, pneumonitis; tremor, insomnia, irritability, indecision, headache, lassitude (weakness, exhaustion); stomatitis, salivation; gastrointestinal disturbance, anorexia, weight loss; proteinuria
Lead	PEL = 0.05 mg/m ³	Lassitude (weakness, exhaustion), insomnia; facial pallor; anorexia, weight loss, malnutrition; constipation, abdominal pain, colic; anemia; gingival lead line; tremor; paralysis wrist, ankles; encephalopathy; kidney disease; irritation eyes; hypotension.
Particulate	PEL = 15 mg/m ³ (total) PEL = 5 mg/m ³ (respirable)	Irritation eyes, skin, throat, upper respiratory system.
Comments: REL = NIOSH Recommended Exposure Limit PEL = OSHA Permissible Exposure Limit – PEL for TCE, PCE = 2 hour time weighted average (TWA), 5 minute ceiling, peak ceiling STEL = OSHA Short Term Exposure Limit		

3.3.5 Physical Hazards

3.3.5.1 Heat Stress

The use of personal protective equipment, including Level C or greater, may create heat stress. Monitoring of personnel wearing personal protective clothing should commence when the ambient temperature is 72°F or above.

To monitor the workers, be familiar with the following heat-related disorders and their symptoms:

Prickly Heat (Heat rash)

Painful, itchy red rash. Occurs during sweating, on skin covered by clothing.

Heat Cramps

Painful spasm of arm, leg or abdominal muscles, during or after work.

Heat Exhaustion

Headache, nausea, dizziness. Cool, clammy, moist skin. Heavy sweating. Weak, fast pulse. Shallow respiration, normal temperature.

Heat Fatigue

Weariness, irritability, loss of skill for fine or precision work. Decreased ability to concentrate. No loss of temperature control.

Heat Syncope (Heat Collapse)

Fainting while standing in a hot environment.

Heat Stroke

Headache, nausea, weakness, hot dry skin, fever, rapid strong pulse, rapid deep respirations, loss of consciousness, convulsions, coma. **This is a life threatening condition.**

Do not permit a worker to wear a semi-permeable or impermeable garment if he/she is showing signs or symptoms of heat-related illness.

Prevention of Heat Stress - Proper training and preventative measures will aid in averting loss of worker productivity and serious illness. Heat stress prevention is particularly important because once a person suffers from heat stroke or heat exhaustion, that person may be predisposed to additional heat related illness. To avoid heat stress the following steps should be taken:

- Adjust work schedules;
- Mandate work slowdowns as needed;
- Perform work during cooler hours of the day if possible or at night if adequate lighting can be provided;
- Provide shelter (air-conditioned, if possible) or shaded areas to protect personnel during rest periods; and
- Maintain worker's body fluids at normal levels. This is necessary to ensure that the cardiovascular system functions adequately. Daily fluid intake must approximately equal the amount of water lost in sweat, i.e., eight fluid ounces (0.23 liters) of water must be ingested for approximately every eight ounces (0.23 kg) of weight lost. The normal thirst mechanism is not sensitive enough to ensure that enough water will be drunk to replace lost sweat. When heavy sweating occurs, encourage the worker to drink more. The following strategies may be useful:
 - Maintain water temperature 50° to 60°F (10° to 16.6°C).
 - Provide small disposal cups that hold about four ounces (0.1 liter).
 - Have workers drink 16 ounces (0.5 liters) of fluid (preferably water or dilute drinks) before beginning work.
 - Urge workers to drink a cup or two every 15 to 20 minutes, or at each monitoring break. A total of 1 to 1.6 gallons (4 to 6 liters) of fluid per day are recommended, but more may be necessary to maintain body weight.
 - Train workers to recognize the symptoms of heat related illness.

3.3.5.2. Cold Related Illness

If work on this project begins in the winter months, thermal injury due to cold exposure can become a problem for field personnel. Systemic cold exposure is referred to as hypothermia. Local cold exposure is generally called frostbite.

Hypothermia - Hypothermia is defined as a decrease in the patient core temperature below 96°F. Symptoms of hypothermia include: shivering, apathy, listlessness, sleepiness, and unconsciousness.

Frostbite - Frostbite is both a general and medical term given to areas of local cold injury. Frostbite rarely occurs unless the ambient temperatures are less than freezing and usually less than 20°F. Symptoms of frostbite are: a sudden blanching or whitening of the skin; the skin has a waxy or white appearance and is firm to the touch; tissues are cold, pale, and solid.

Prevention of Cold-Related Illness - To prevent cold-related illness:

- Educate workers to recognize the symptoms of frostbite and hypothermia;

- Identify and limit known risk factors;
- Assure the availability of enclosed, heated environment on or adjacent to the site;
- Assure the availability of dry changes of clothing;
- Assure the availability of warm drinks; and
- Start (oral) temperature recording at the job site:
 - At the Field Team Leader's discretion when suspicion is based on changes in a worker's performance or mental status.
 - As a screening measure, two times per shift, under unusually hazardous conditions (e.g., wind-chill less than 20°F, or wind-chill less than 30°F with precipitation).
 - As a screening measure whenever any one worker on the site develops hypothermia.

Any person developing moderate hypothermia (a core temperature of 92°F) cannot return to work for 48 hours.

3.3.5.3. Noise

Work activities during the proposed construction activities may be conducted at locations with high noise levels from the operation of equipment. Hearing protection will be used as necessary.

3.3.5.4. Slips, Trips and Fall Hazards

Care should be exercised when walking at the site, especially when carrying equipment. The presence of surface debris, uneven surfaces, facility equipment, and soil piles contribute to tripping hazards.

3.3.5.5. Utilities (Electrocution and Fire Hazards)

The possibility of encountering underground utilities poses fire, explosion, and electrocution hazards. All excavation work will be preceded by review of available utility drawings and by notification of the subsurface work to the New York One Call Center. Potential adverse effects of electrical hazards include burns and electrocution, which could result in death.

4.0 HEALTH AND SAFETY OFFICER

The contractor or engineer will designate one of its personnel as the Site Safety Officer (SSO). The SSO will be a competent person responsible for the implementation of this plan. The SSO will have completed a 40-hour training course (up-dated by an annual refresher) that meets OSHA requirements of 29 CFR Part 1910, Occupational Safety and Health Standards. The SSO has stop-work authorization, which he/she will execute on his/her determination of an imminent safety hazard, emergency situation, or other potentially dangerous situation. If the SSO must be absent from the Site, he/she will designate a suitably qualified replacement that is familiar with the HASP.

5.0 TRAINING

All those who enter the work area while intrusive activities are being performed must recognize and understand the potential hazards to health and safety. All construction personnel upon entering the Site must attend a brief training meeting, its purpose being to:

- Make workers aware of the potential hazards they may encounter;
- Instruct workers on how to identify potential hazards,
- Provide the knowledge and skills necessary for them to perform the work with minimal risk to health and safety;
- Make workers aware of the purpose and limitations of safety equipment; and
- Ensure that they can safely avoid or escape from emergencies.

Each member of the construction crew will be instructed in these objectives before he/she goes onto the Site. Construction personnel will be responsible for identifying potential hazards in the work zone. The SSO or other suitably trained individual will be responsible for conducting the training program. Others who enter the Site must be accompanied by a suitably-trained construction worker.

6.0 GENERAL WORK PRACTICES

To protect the health and safety of the field personnel, all field personnel will adhere to the guidelines listed below during activities involving subsurface disturbance in contaminated areas.

- Eating, drinking, chewing gum or tobacco, and smoking are prohibited, except in designated areas on the Site. These areas will be designated by the SSO.
- Workers must wash their hands and face thoroughly on leaving the work area and before eating, drinking, or any other such activity. The workers should shower as soon as possible after leaving the Site.
- Contact with contaminated or suspected surfaces should be avoided.
- The buddy system should always be used; each buddy should watch for signs of fatigue, exposure, and heat stress.

7.0 PERSONAL PROTECTIVE EQUIPMENT & AIR MONITORING

7.1 Personal Protective Equipment

The personal protection equipment required for various kinds of site investigation tasks are based on 29 CFR 1910.120, Hazardous Waste Operations and Emergency Response, Appendix B, “General Description and Discussion of the Levels of Protection and Protective Gear.”

AKRF field personnel and other site personnel shall wear, at a minimum, Level D personal protective equipment. The protection will be based on the air monitoring described in Section 7.2.

LEVEL OF PROTECTION & PPE	Excavation
Level D (x) Steel Toe Shoes (x) Hard Hat (x) Work Gloves (x) Safety Glasses () Face Shield (x) Ear Plugs (within 25 ft of drill rig/excavator) (x) Latex Gloves (within 25 ft of excavator)	Yes
Level D – Modified (in addition to Level D) (x) Tyvek Coveralls (x) Nitrile Gloves () Overboots () Saranex Coveralls	As necessary
Level C (in addition to Level D – Modified) () Half-Face Respirator (x) Full Face Respirator () Full-Face PAPR () Particulate Cartridge () Organic Cartridge (x) Dual Organic/Particulate Cartridge	If PID > 10 ppm (breathing zone)
Comments: Cartridges to be changed out at least once per shift unless warranted beforehand (e.g., more difficult to breath or any odors detected).	

7.2 Contaminated Material Removal

It is known that fill material containing elevated concentrations of SVOCs and metals is present underlying the site and will be encountered during any soil disturbance activities during general excavation and grading. Disturbance of the fill will be minimized and the existing grade will not be altered to the extent practicable.

Any excess fill that cannot be reused on-site will be stockpiled, characterized, and disposed of off-site in accordance with local, state and federal regulations. At this time, no areas of petroleum contaminated soil have been identified in the overburden. If any petroleum contaminated soil is encountered, the soil will be segregated, sampled, stockpiled, and disposed of off-site in accordance with all local, state and federal regulations.

7.3 Work Zone Air Monitoring

Real time air monitoring in the work zone will be performed with a particulate monitor and a photoionization detector (PID). Measurements will be taken prior to commencement of work and continuously during the work as outlined in the table below. Measurements will be made as close to the workers as practical. Particulate and PID measurements will be collected at the breathing height of the workers. The SSO shall set up the equipment and confirm that it is working properly. His/her designee may oversee the air measurements during the day. The initial measurement for the day will be performed before the start of work and will establish the background level for that day. The final measurement for the day will be performed after the end of work. The action levels and required responses are listed in the table below.

Instrument	Task to be Monitored	Action Level	Response Action
PID (OVM 580B or equivalent)	Any tasks where petroleum contaminated soil is encountered	Less than 10 ppm in breathing zone.	Level D or D-Modified
		Between 10 and 500 ppm	Level C
		More than 500 ppm	Stop work. Resume work when readings are less than 500 ppm.
Particulate monitor (MIE 1000 Personal DataRam or equivalent)	All excavation & earthwork tasks	Less than 5 mg/m ³	Level D
		Between 5 mg/m ³ and 125 mg/m ³	Level C. Apply dust suppression measures. If < 2.5 mg/m ³ , resume work using Level D. Otherwise, use Level C.
		Above 125 mg/m ³	Stop work. Apply additional dust suppression measures. Resume work when less than 125 mg/m ³ .

Field personnel will be trained in the proper operation of all field instruments at the start of the field program. Instruction manuals for the equipment will be on file at the site for referencing proper operation, maintenance, and calibration procedures.

The equipment will be calibrated according to manufacturer specifications at the start of each day of fieldwork. If an instrument fails calibration, the project manager will be contacted immediately to obtain a replacement instrument and arrange for repairs. A calibration log will be maintained to record the date of each calibration, any failure to calibrate and corrective actions taken. The PID will be calibrated each day using 100 parts per million (ppm) isobutylene standard gas.

8.0 DECONTAMINATION PROCEDURES

8.1 Personnel Decontamination

Personnel decontamination (decon), if deemed necessary by the SSO, will take place in a designated decontamination area. This area will be delineated during each stage of work. Personnel decontamination will consist of the following steps:

- Soap and potable water wash and potable water rinse of gloves;
- Coverall removal (if applicable);
- Glove removal;
- Disposable clothing removal; and
- Field wash of hands and face.

8.2 Sampling Equipment Decontamination

Any non-disposable sampling equipment for confirmatory sampling or other equipment that is contact with contaminated materials will be decontaminated in accordance with the following procedure:

- Double wash with solution of Simple Green[®] and clean tap water;
- Double rinse with clean tap water;
- Rinse with clean distilled water; and
- Allow equipment to air dry.

8.3 Heavy Equipment Decontamination

If heavy equipment comes in contact with contaminated materials, it will be decontaminated prior to being relocated to a clean area or leaving the site. A designated decontamination pad will be constructed, where soil, dust, or oil will be washed off the exterior, undercarriage, and wheels or tracks of the equipment. Wash water will be collected for treatment and/or disposal.

9.0 EMERGENCY RESPONSE

9.1 Emergency Procedures

In the event that an emergency develops on site, the procedures delineated herein are to be immediately followed. Emergency conditions are considered to exist if:

- Any member of the field crew is involved in an accident or experiences any adverse effects or symptoms of exposure while on site; and
- A condition is discovered that suggests the existence of a situation more hazardous than anticipated.
- A spill of oil or other hazardous materials.

General emergency procedures, and specific procedures for personal injury, chemical exposure and radiation exposure, are described below. In the event of an accident or emergency, an Incident Report form should be filled out and placed in the project file. An example Incident Report form is provided in Appendix C. Information on emergency hand signals is provided in Appendix D.

9.1.1 Chemical Exposure

If a member of the field crew demonstrates symptoms of chemical exposure the procedures outlined below should be followed:

- Another team member (buddy) should remove the individual from the immediate area of contamination. The buddy should communicate to the SSO (via voice and hand signals) of the chemical exposure. The SSO should contact the appropriate emergency response agency.
- Precautions should be taken to avoid exposure of other individuals to the chemical.
- If the chemical is on the individual's clothing, the chemical should be neutralized or removed if it is safe to do so.
- If the chemical has contacted the skin, the skin should be washed with copious amounts of water.
- In case of eye contact, an emergency eye wash should be used. Eyes should be washed for at least 15 minutes.
- All chemical exposure incidents must be reported in writing to the AKRF Health and Safety Officer. The SSO is responsible for completing the Incident Report Form.

9.1.2 Personal Injury

In case of personal injury at the site, the following procedures should be followed:

- Another team member (buddy) should signal the SSO that an injury has occurred.

- A field team member trained in first aid can administer treatment to an injured worker.
- If deemed necessary, the victim should then be transported to the nearest hospital or medical center. If necessary, an ambulance should be called to transport the victim.
- The SSO is responsible for making certain that an Incident Report Form is completed. This form is to be submitted to the AKRF Health and Safety Officer. Follow-up action should be taken to correct the situation that caused the accident.
- Any incident (near miss, property damage, first aid, medical treatment, etc.) must be reported.

A first-aid kit, eye-wash, and blood-born pathogens kit will be kept on-site during the field activities.

9.1.3 Evacuation Procedures

- The SSO will initiate evacuation procedures by signaling to leave the site or containment structure;
- All personnel in the work area should evacuate the area and meet in the common designated area;
- All personnel suspected to be in or near the contract work area should be accounted for and the whereabouts or missing persons determined immediately; and
- The SSO will then give further instruction.

9.1.4 Procedures Implemented in the Event of a Major Fire, Explosion, or Emergency

- Notify the paramedics and/or fire department, as necessary;
- Signal the evacuation procedure previously outlined and implement the entire procedure;
- Isolate the area;
- Stay upwind of any fire;
- Keep the area surrounding the problem source clear after the incident occurs;
- Complete accident report for and distribute to appropriate personnel.

9.1.5 Spill Response

All personnel must take every precaution to minimize the potential for spills during site operations. Any spill shall be reported immediately to the Project Manager. The Project Manager will then determine and report any required spills to the NYCDEP and/or NYSDEC Hotlines. Spill control apparatus (sorberent materials) will be located on-site. All materials used for the clean up of spills will be containerized and labeled separately from other wastes. The Project Manager will determine if additional spill response measures are required.

9.2 Hospital Directions

The location of the nearest hospital, as shown on Figure 1, is Woodhull Memorial Center Hospital. The address of the hospital is 760 Broadway, Brooklyn, New York. The entrance to the hospital is on Marcus Garvey Boulevard between Ellery Street and Park Avenue.

Health and Safety Plan
264 North 10th Street, Brooklyn, New York

Hospital Name:	Woodhull Medical Center
Phone Number:	(718) 963-8000 [Dial 911 in the event of an emergency]
Address/Location:	760 Broadway, Brooklyn, NY
Directions: (Approx. total distance: 1.5 miles)	Exit the site and turn right (south) onto Union Avenue. Drive 0.8 miles and turn left onto Broadway. Drive 0.6 miles and turn right onto Marcus Garvey Boulevard. Drive 250 feet and turn left into Woodhull Medical Center.

FIGURE 1 – SITE LOCATION MAP & HOSPITAL ROUTE MAP

9.3 HASP Contact Information

AKRF Project Manager – Marc Godick	(914) 922-2382 (office), (917) 991-4030 (cell)
AKRF SSO – Ashutosh Sharma	(646) 388-9685 (office), (917) 842-6781 (cell)
Alternate AKRF SSO – Steve Grens	(914) 922-2371 (office), (917) 613-6022 (cell)
AKRF H&S Officer – Marcus Simons	(646) 388-9527
Client Project Manager – Stephen Martinelli	(212) 760-0600
NYCOER Project Manager – Michael Mandac	(212) 767-0754
Woodhull Medical Center.....	(718) 963-8000
Ambulance, Fire and Police Departments.....	911
Local Poison Control	Emergency Toll Free (800) 222-2122 TTY (212) 689-9014
	www.nyc.gov/html/doh/html/poison/poison.shtml
NYSDEC Spill Response Team.....	(800) 457-7362

10.0 APPROVAL & ACKNOWLEDGEMENTS OF HASP

APPROVAL

Signed: _____ Date: _____
Project Manager

Signed: _____ Date: _____
Health and Safety Officer

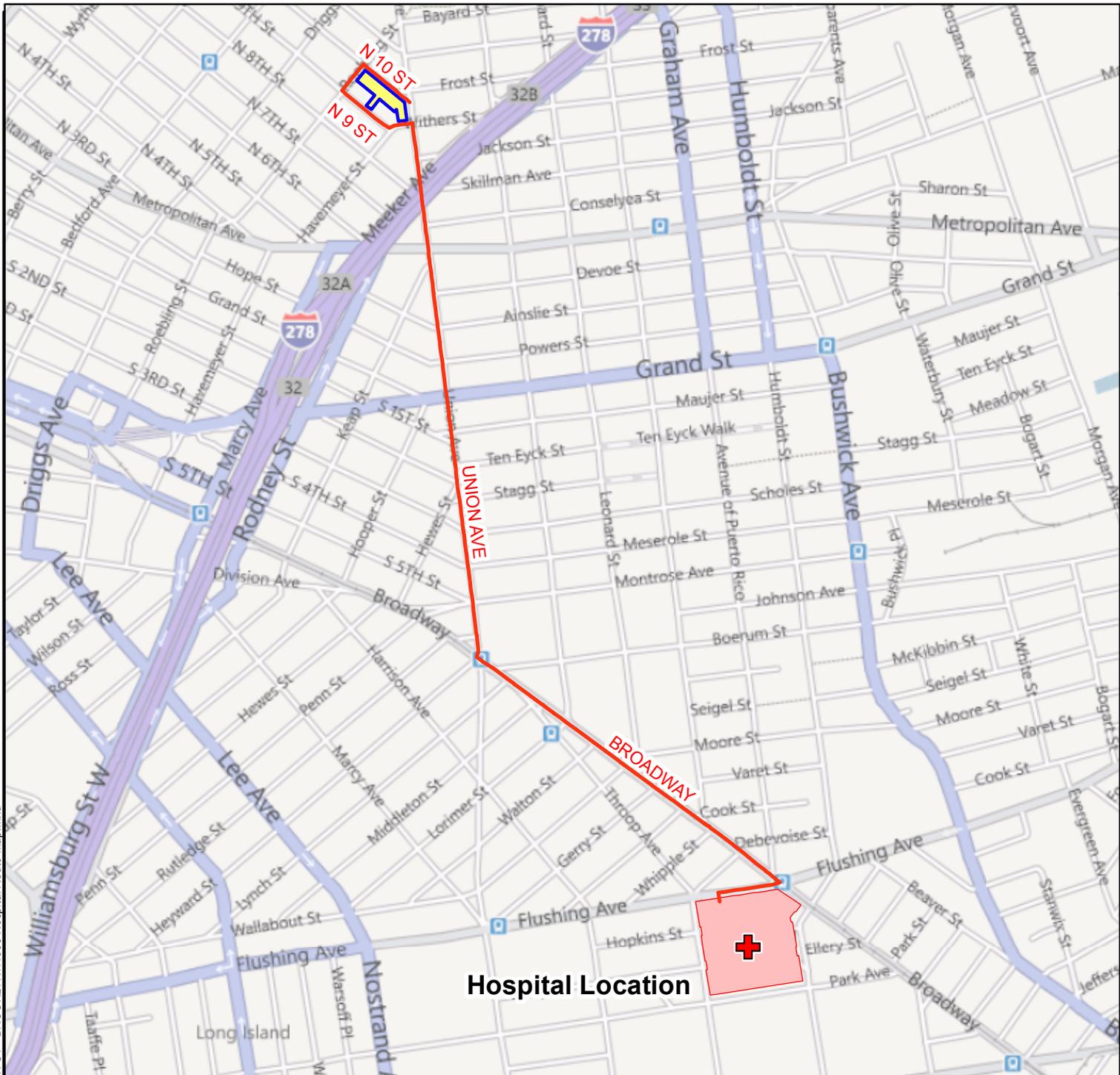
Below is an affidavit that must be signed by all workers who enter the site. A copy of the HASP must be on-site at all times and will be kept by the SSO.

AFFIDAVIT

I, _____ (name), of _____ (company name), have read the Health and Safety Plan (HASP) for the 264 North 10th Street site in Brooklyn, New York. I agree to conduct all on-site work in accordance with the requirements set forth in this HASP and understand that failure to comply with this HASP could lead to my removal from the site.

Signed: _____	Company: _____	Date: _____
Signed: _____	Company: _____	Date: _____
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Signed: _____	Company: _____	Date: _____
Signed: _____	Company: _____	Date: _____

FIGURES



Legend

-  Route to Hospital
-  Project Site Location
-  Hospital Location



Woodhull Medical Center
760 Broadway
Brooklyn, NY

264 NORTH 10th STREET
BROOKLYN, NEW YORK



DATE
12/22/2011

PROJECT No.
11338

HOSPITAL LOCATION MAP

Environmental Consultants
440 Park Avenue South, New York, N.Y. 10016

FIGURE
1

APPENDIX A
POTENTIAL HEALTH EFFECTS FROM ON-SITE CONTAMINANTS

This fact sheet answers the most frequently asked health questions (FAQs) about arsenic. For more information, call the ATSDR Information Center at 1-888-422-8737. This fact sheet is one in a series of summaries about hazardous substances and their health effects. It's important you understand this information because this substance may harm you. The effects of exposure to any hazardous substance depend on the dose, the duration, how you are exposed, personal traits and habits, and whether other chemicals are present.

HIGHLIGHTS: Exposure to higher than average levels of arsenic occurs mostly in the workplace, near hazardous waste sites, or in areas with high natural levels. At high levels, inorganic arsenic can cause death. Exposure to lower levels for a long time can cause a discoloration of the skin and the appearance of small corns or warts. Arsenic has been found at 1,014 of the 1,598 National Priority List sites identified by the Environmental Protection Agency (EPA).

What is arsenic?

Arsenic is a naturally occurring element widely distributed in the earth's crust. In the environment, arsenic is combined with oxygen, chlorine, and sulfur to form inorganic arsenic compounds. Arsenic in animals and plants combines with carbon and hydrogen to form organic arsenic compounds.

Inorganic arsenic compounds are mainly used to preserve wood. Organic arsenic compounds are used as pesticides, primarily on cotton plants.

What happens to arsenic when it enters the environment?

- Arsenic cannot be destroyed in the environment. It can only change its form.
- Arsenic in air will settle to the ground or is washed out of the air by rain.
- Many arsenic compounds can dissolve in water.
- Fish and shellfish can accumulate arsenic, but the arsenic in fish is mostly in a form that is not harmful.

How might I be exposed to arsenic?

- Eating food, drinking water, or breathing air containing arsenic.
- Breathing contaminated workplace air.
- Breathing sawdust or burning smoke from wood treated with arsenic.
- Living near uncontrolled hazardous waste sites containing arsenic.
- Living in areas with unusually high natural levels of arsenic in rock.

How can arsenic affect my health?

Breathing high levels of inorganic arsenic can give you a sore throat or irritated lungs. Ingesting high levels of inorganic arsenic can result in death. Lower levels of arsenic can cause nausea and vomiting, decreased production of red and white blood cells, abnormal heart rhythm, damage to blood vessels, and a sensation of "pins and needles" in hands and feet.

Ingesting or breathing low levels of inorganic arsenic for a long time can cause a darkening of the skin and the

ToxFAQs™ Internet address is <http://www.atsdr.cdc.gov/toxfaq.html>

appearance of small “corns” or “warts” on the palms, soles, and torso.

Skin contact with inorganic arsenic may cause redness and swelling.

Organic arsenic compounds are less toxic than inorganic arsenic compounds. Exposure to high levels of some organic arsenic compounds may cause similar effects as inorganic arsenic.

How likely is arsenic to cause cancer?

Several studies have shown that inorganic arsenic can increase the risk of lung cancer, skin cancer, bladder cancer, liver cancer, kidney cancer, and prostate cancer. The World Health Organization (WHO), the Department of Health and Human Services (DHHS), and the EPA have determined that inorganic arsenic is a human carcinogen.

How can arsenic affect children?

We do not know if exposure to arsenic will result in birth defects or other developmental effects in people. Birth defects have been observed in animals exposed to inorganic arsenic.

It is likely that health effects seen in children exposed to high amounts of arsenic will be similar to the effects seen in adults.

How can families reduce the risk of exposure to arsenic?

- If you use arsenic-treated wood in home projects, you should wear dust masks, gloves, and protective clothing to decrease exposure to sawdust.
- If you live in an area with high levels of arsenic in water or soil, you should use cleaner sources of water and limit contact with soil.

Is there a medical test to show whether I've been exposed to arsenic?

There are tests to measure the level of arsenic in blood, urine, hair, or fingernails. The urine test is the most reliable test for arsenic exposure within the last few days. Tests on hair and fingernails can measure exposure to high levels of arsenic over the past 6-12 months. These tests can determine if you have been exposed to above-average levels of arsenic. They cannot predict how the arsenic levels in your body will affect your health.

Has the federal government made recommendations to protect human health?

EPA has set limits on the amount of arsenic that industrial sources can release to the environment and has restricted or canceled many uses of arsenic in pesticides. EPA has set a limit of 0.01 parts per million (ppm) for arsenic in drinking water.

The Occupational Safety and Health Administration has set limits of 10 µg arsenic per cubic meter of workplace air (10 µg/m³) for 8 hour shifts and 40 hour work weeks.

Source of Information

Agency for Toxic Substances and Disease Registry (ATSDR). 2000. Toxicological Profile for Arsenic. Atlanta, GA: U.S. Department of Health and Human Services, Public Health Service.

Where can I get more information? For more information, contact the Agency for Toxic Substances and Disease Registry, Division of Toxicology, 1600 Clifton Road NE, Mailstop F-32, Atlanta, GA 30333. Phone: 1-888-422-8737, FAX: 770-488-4178. ToxFAQs™ Internet address is <http://www.atsdr.cdc.gov/toxfaq.html>. ATSDR can tell you where to find occupational and environmental health clinics. Their specialists can recognize, evaluate, and treat illnesses resulting from exposure to hazardous substances. You can also contact your community or state health or environmental quality department if you have any more questions or concerns.



This fact sheet answers the most frequently asked health questions (FAQs) about benzene. For more information, call the ATSDR Information Center at 1-888-422-8737. This fact sheet is one in a series of summaries about hazardous substances and their health effects. This information is important because this substance may harm you. The effects of exposure to any hazardous substance depend on the dose, the duration, how you are exposed, personal traits and habits, and whether other chemicals are present.

HIGHLIGHTS: Benzene is a widely used chemical formed from both natural processes and human activities. Breathing benzene can cause drowsiness, dizziness, and unconsciousness; long-term benzene exposure causes effects on the bone marrow and can cause anemia and leukemia. Benzene has been found in at least 813 of the 1,430 National Priorities List sites identified by the Environmental Protection Agency (EPA).

What is benzene?

(Pronounced bĕn'zĕn')

Benzene is a colorless liquid with a sweet odor. It evaporates into the air very quickly and dissolves slightly in water. It is highly flammable and is formed from both natural processes and human activities.

Benzene is widely used in the United States; it ranks in the top 20 chemicals for production volume. Some industries use benzene to make other chemicals which are used to make plastics, resins, and nylon and synthetic fibers. Benzene is also used to make some types of rubbers, lubricants, dyes, detergents, drugs, and pesticides. Natural sources of benzene include volcanoes and forest fires. Benzene is also a natural part of crude oil, gasoline, and cigarette smoke.

What happens to benzene when it enters the environment?

- Industrial processes are the main source of benzene in the environment.
- Benzene can pass into the air from water and soil.
- It reacts with other chemicals in the air and breaks down within a few days.
- Benzene in the air can attach to rain or snow and be carried back down to the ground.

- It breaks down more slowly in water and soil, and can pass through the soil into underground water.
- Benzene does not build up in plants or animals.

How might I be exposed to benzene?

- Outdoor air contains low levels of benzene from tobacco smoke, automobile service stations, exhaust from motor vehicles, and industrial emissions.
- Indoor air generally contains higher levels of benzene from products that contain it such as glues, paints, furniture wax, and detergents.
- Air around hazardous waste sites or gas stations will contain higher levels of benzene.
- Leakage from underground storage tanks or from hazardous waste sites containing benzene can result in benzene contamination of well water.
- People working in industries that make or use benzene may be exposed to the highest levels of it.
- A major source of benzene exposures is tobacco smoke.

How can benzene affect my health?

Breathing very high levels of benzene can result in death, while high levels can cause drowsiness, dizziness, rapid heart rate, headaches, tremors, confusion, and unconsciousness. Eating or drinking foods containing high levels of benzene can cause vomiting, irritation of the stomach, dizziness, sleepiness, convulsions, rapid heart rate, and death.

ToxFAQs Internet address via WWW is <http://www.atsdr.cdc.gov/toxfaq.html>

The major effect of benzene from long-term (365 days or longer) exposure is on the blood. Benzene causes harmful effects on the bone marrow and can cause a decrease in red blood cells leading to anemia. It can also cause excessive bleeding and can affect the immune system, increasing the chance for infection.

Some women who breathed high levels of benzene for many months had irregular menstrual periods and a decrease in the size of their ovaries. It is not known whether benzene exposure affects the developing fetus in pregnant women or fertility in men.

Animal studies have shown low birth weights, delayed bone formation, and bone marrow damage when pregnant animals breathed benzene.

How likely is benzene to cause cancer?

The Department of Health and Human Services (DHHS) has determined that benzene is a known human carcinogen. Long-term exposure to high levels of benzene in the air can cause leukemia, cancer of the blood-forming organs.

Is there a medical test to show whether I've been exposed to benzene?

Several tests can show if you have been exposed to benzene. There is test for measuring benzene in the breath; this test must be done shortly after exposure. Benzene can also be measured in the blood, however, since benzene disappears rapidly from the blood, measurements are accurate only for recent exposures.

In the body, benzene is converted to products called metabolites. Certain metabolites can be measured in the urine. However, this test must be done shortly after exposure and is not a reliable indicator of how much benzene you have been exposed to, since the metabolites may be present in urine from other sources.

Has the federal government made recommendations to protect human health?

The EPA has set the maximum permissible level of benzene in drinking water at 0.005 milligrams per liter (0.005 mg/L). The EPA requires that spills or accidental releases into the environment of 10 pounds or more of benzene be reported to the EPA.

The Occupational Safety and Health Administration (OSHA) has set a permissible exposure limit of 1 part of benzene per million parts of air (1 ppm) in the workplace during an 8-hour workday, 40-hour workweek.

Glossary

Anemia: A decreased ability of the blood to transport oxygen.

Carcinogen: A substance with the ability to cause cancer.

CAS: Chemical Abstracts Service.

Chromosomes: Parts of the cells responsible for the development of hereditary characteristics.

Metabolites: Breakdown products of chemicals.

Milligram (mg): One thousandth of a gram.

Pesticide: A substance that kills pests.

References

This ToxFAQs information is taken from the 1997 Toxicological Profile for Benzene (update) produced by the Agency for Toxic Substances and Disease Registry, Public Health Service, U.S. Department of Health and Human Services, Public Health Service in Atlanta, GA.

Where can I get more information? For more information, contact the Agency for Toxic Substances and Disease Registry, Division of Toxicology, 1600 Clifton Road NE, Mailstop E-29, Atlanta, GA 30333. Phone: 1-888-422-8737, FAX: 404-498-0093. ToxFAQs Internet address via WWW is <http://www.atsdr.cdc.gov/toxfaq.html> ATSDR can tell you where to find occupational and environmental health clinics. Their specialists can recognize, evaluate, and treat illnesses resulting from exposure to hazardous substances. You can also contact your community or state health or environmental quality department if you have any more questions or concerns.



This fact sheet answers the most frequently asked health questions (FAQs) about ethylbenzene. For more information, call the ATSDR Information Center at 1-888-422-8737. This fact sheet is one in a series of summaries about hazardous substances and their health effects. It's important you understand this information because this substance may harm you. The effects of exposure to any hazardous substance depend on the dose, the duration, how you are exposed, personal traits and habits, and whether other chemicals are present.

HIGHLIGHTS: Ethylbenzene is a colorless liquid found in a number of products including gasoline and paints. Breathing very high levels can cause dizziness and throat and eye irritation. Ethylbenzene has been found in at least 731 of the 1,467 National Priorities List sites identified by the Environmental Protection Agency (EPA).

What is ethylbenzene?

(Pronounced ĕth' əl bĕn' zĕn')

Ethylbenzene is a colorless, flammable liquid that smells like gasoline. It is found in natural products such as coal tar and petroleum and is also found in manufactured products such as inks, insecticides, and paints.

Ethylbenzene is used primarily to make another chemical, styrene. Other uses include as a solvent, in fuels, and to make other chemicals.

What happens to ethylbenzene when it enters the environment?

- Ethylbenzene moves easily into the air from water and soil.
- It takes about 3 days for ethylbenzene to be broken down in air into other chemicals.
- Ethylbenzene may be released to water from industrial discharges or leaking underground storage tanks.
- In surface water, ethylbenzene breaks down by reacting with other chemicals found naturally in water.
- In soil, it is broken down by soil bacteria.

How might I be exposed to ethylbenzene?

- Breathing air containing ethylbenzene, particularly in areas near factories or highways.
- Drinking contaminated tap water.
- Working in an industry where ethylbenzene is used or made.
- Using products containing it, such as gasoline, carpet glues, varnishes, and paints.

How can ethylbenzene affect my health?

Limited information is available on the effects of ethylbenzene on people's health. The available information shows dizziness, throat and eye irritation, tightening of the chest, and a burning sensation in the eyes of people exposed to high levels of ethylbenzene in air.

Animals studies have shown effects on the nervous system, liver, kidneys, and eyes from breathing ethylbenzene in air.

How likely is ethylbenzene to cause cancer?

The EPA has determined that ethylbenzene is not classifiable as to human carcinogenicity.

ToxFAQs Internet address via WWW is <http://www.atsdr.cdc.gov/toxfaq.html>

No studies in people have shown that ethylbenzene exposure can result in cancer. Two available animal studies suggest that ethylbenzene may cause tumors.

How can ethylbenzene affect children?

Children may be exposed to ethylbenzene through inhalation of consumer products, including gasoline, paints, inks, pesticides, and carpet glue. We do not know whether children are more sensitive to the effects of ethylbenzene than adults.

It is not known whether ethylbenzene can affect the development of the human fetus. Animal studies have shown that when pregnant animals were exposed to ethylbenzene in air, their babies had an increased number of birth defects.

How can families reduce the risk of exposure to ethylbenzene?

Exposure to ethylbenzene vapors from household products and newly installed carpeting can be minimized by using adequate ventilation.

Household chemicals should be stored out of reach of children to prevent accidental poisoning. Always store household chemicals in their original containers; never store them in containers children would find attractive to eat or drink from, such as old soda bottles. Gasoline should be stored in a gasoline can with a locked cap.

Sometimes older children sniff household chemicals, including ethylbenzene, in an attempt to get high. Talk with your children about the dangers of sniffing chemicals.

Is there a medical test to show whether I've been exposed to ethylbenzene?

Ethylbenzene is found in the blood, urine, breath, and

some body tissues of exposed people. The most common way to test for ethylbenzene is in the urine. This test measures substances formed by the breakdown of ethylbenzene. This test needs to be done within a few hours after exposure occurs, because the substances leave the body very quickly.

These tests can show you were exposed to ethylbenzene, but cannot predict the kind of health effects that might occur.

Has the federal government made recommendations to protect human health?

The EPA has set a maximum contaminant level of 0.7 milligrams of ethylbenzene per liter of drinking water (0.7 mg/L).

The EPA requires that spills or accidental releases into the environment of 1,000 pounds or more of ethylbenzene be reported to the EPA.

The Occupational Safety and Health Administration (OSHA) has set an occupational exposure limit of 100 parts of ethylbenzene per million parts of air (100 ppm) for an 8-hour workday, 40-hour workweek.

References

Agency for Toxic Substances and Disease Registry (ATSDR). 1999. Toxicological profile for ethylbenzene. Atlanta, GA: U.S. Department of Health and Human Services, Public Health Service.

Where can I get more information? For more information, contact the Agency for Toxic Substances and Disease Registry, Division of Toxicology, 1600 Clifton Road NE, Mailstop F-32, Atlanta, GA 30333. Phone: 1-888-422-8737, FAX: 770-488-4178. ToxFAQs Internet address via WWW is <http://www.atsdr.cdc.gov/toxfaq.html> ATSDR can tell you where to find occupational and environmental health clinics. Their specialists can recognize, evaluate, and treat illnesses resulting from exposure to hazardous substances. You can also contact your community or state health or environmental quality department if you have any more questions or concerns.



This fact sheet answers the most frequently asked health questions (FAQs) about lead. For more information, call the ATSDR Information Center at 1-800-232-4636. This fact sheet is one in a series of summaries about hazardous substances and their health effects. It is important you understand this information because this substance may harm you. The effects of exposure to any hazardous substance depend on the dose, the duration, how you are exposed, personal traits and habits, and whether other chemicals are present.

HIGHLIGHTS: Exposure to lead can happen from breathing workplace air or dust, eating contaminated foods, or drinking contaminated water. Children can be exposed from eating lead-based paint chips or playing in contaminated soil. Lead can damage the nervous system, kidneys, and reproductive system. Lead has been found in at least 1,272 of the 1,684 National Priority List sites identified by the Environmental Protection Agency (EPA).

What is lead?

Lead is a naturally occurring bluish-gray metal found in small amounts in the earth's crust. Lead can be found in all parts of our environment. Much of it comes from human activities including burning fossil fuels, mining, and manufacturing.

Lead has many different uses. It is used in the production of batteries, ammunition, metal products (solder and pipes), and devices to shield X-rays. Because of health concerns, lead from paints and ceramic products, caulking, and pipe solder has been dramatically reduced in recent years. The use of lead as an additive to gasoline was banned in 1996 in the United States.

What happens to lead when it enters the environment?

- Lead itself does not break down, but lead compounds are changed by sunlight, air, and water.
- When lead is released to the air, it may travel long distances before settling to the ground.
- Once lead falls onto soil, it usually sticks to soil particles.
- Movement of lead from soil into groundwater will depend on the type of lead compound and the characteristics of the soil.

How might I be exposed to lead?

- Eating food or drinking water that contains lead. Water pipes in some older homes may contain lead solder. Lead can leach out into the water.

- Spending time in areas where lead-based paints have been used and are deteriorating. Deteriorating lead paint can contribute to lead dust.

- Working in a job where lead is used or engaging in certain hobbies in which lead is used, such as making stained glass.

- Using health-care products or folk remedies that contain lead.

How can lead affect my health?

The effects of lead are the same whether it enters the body through breathing or swallowing. Lead can affect almost every organ and system in your body. The main target for lead toxicity is the nervous system, both in adults and children. Long-term exposure of adults can result in decreased performance in some tests that measure functions of the nervous system. It may also cause weakness in fingers, wrists, or ankles. Lead exposure also causes small increases in blood pressure, particularly in middle-aged and older people and can cause anemia. Exposure to high lead levels can severely damage the brain and kidneys in adults or children and ultimately cause death. In pregnant women, high levels of exposure to lead may cause miscarriage. High-level exposure in men can damage the organs responsible for sperm production.

How likely is lead to cause cancer?

We have no conclusive proof that lead causes cancer in humans. Kidney tumors have developed in rats and mice that had been given large doses of some kind of lead compounds. The Department of Health and Human Services

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(DHHS) has determined that lead and lead compounds are reasonably anticipated to be human carcinogens and the EPA has determined that lead is a probable human carcinogen. The International Agency for Research on Cancer (IARC) has determined that inorganic lead is probably carcinogenic to humans and that there is insufficient information to determine whether organic lead compounds will cause cancer in humans.

How can lead affect children?

Small children can be exposed by eating lead-based paint chips, chewing on objects painted with lead-based paint, or swallowing house dust or soil that contains lead.

Children are more vulnerable to lead poisoning than adults. A child who swallows large amounts of lead may develop blood anemia, severe stomachache, muscle weakness, and brain damage. If a child swallows smaller amounts of lead, much less severe effects on blood and brain function may occur. Even at much lower levels of exposure, lead can affect a child's mental and physical growth.

Exposure to lead is more dangerous for young and unborn children. Unborn children can be exposed to lead through their mothers. Harmful effects include premature births, smaller babies, decreased mental ability in the infant, learning difficulties, and reduced growth in young children. These effects are more common if the mother or baby was exposed to high levels of lead. Some of these effects may persist beyond childhood.

How can families reduce the risks of exposure to lead?

- Avoid exposure to sources of lead.
- Do not allow children to chew on mouth surfaces that may have been painted with lead-based paint.
- If you have a water lead problem, run or flush water that has been standing overnight before drinking or cooking with it.
- Some types of paints and pigments that are used as make-up or hair coloring contain lead. Keep these kinds of products away from children
- If your home contains lead-based paint or you live in an area contaminated with lead, wash children's hands and faces

often to remove lead dusts and soil, and regularly clean the house of dust and tracked in soil.

Is there a medical test to determine whether I've been exposed to lead?

A blood test is available to measure the amount of lead in your blood and to estimate the amount of your recent exposure to lead. Blood tests are commonly used to screen children for lead poisoning. Lead in teeth or bones can be measured by X-ray techniques, but these methods are not widely available. Exposure to lead also can be evaluated by measuring erythrocyte protoporphyrin (EP) in blood samples. EP is a part of red blood cells known to increase when the amount of lead in the blood is high. However, the EP level is not sensitive enough to identify children with elevated blood lead levels below about 25 micrograms per deciliter ($\mu\text{g}/\text{dL}$). These tests usually require special analytical equipment that is not available in a doctor's office. However, your doctor can draw blood samples and send them to appropriate laboratories for analysis.

Has the federal government made recommendations to protect human health?

The Centers for Disease Control and Prevention (CDC) recommends that states test children at ages 1 and 2 years. Children should be tested at ages 3–6 years if they have never been tested for lead, if they receive services from public assistance programs for the poor such as Medicaid or the Supplemental Food Program for Women, Infants, and Children, if they live in a building or frequently visit a house built before 1950; if they visit a home (house or apartment) built before 1978 that has been recently remodeled; and/or if they have a brother, sister, or playmate who has had lead poisoning. CDC considers a blood lead level of 10 $\mu\text{g}/\text{dL}$ to be a level of concern for children.

EPA limits lead in drinking water to 15 μg per liter.

References

Agency for Toxic Substances and Disease Registry (ATSDR). 2007. Toxicological Profile for lead (Update). Atlanta, GA: U.S. Department of Public Health and Human Services, Public Health Service.

Where can I get more information? For more information, contact the Agency for Toxic Substances and Disease Registry, Division of Toxicology and Environmental Medicine, 1600 Clifton Road NE, Mailstop F-32, Atlanta, GA 30333. Phone: 1-800-232-4636, FAX: 770-488-4178. ToxFAQs Internet address via WWW is <http://www.atsdr.cdc.gov/toxfaq.html>. ATSDR can tell you where to find occupational and environmental health clinics. Their specialists can recognize, evaluate, and treat illnesses resulting from exposure to hazardous substances. You can also contact your community or state health or environmental quality department if you have any more questions or concerns.



This fact sheet answers the most frequently asked health questions (FAQs) about mercury. For more information, call the ATSDR Information Center at 1-888-422-8737. This fact sheet is one in a series of summaries about hazardous substances and their health effects. It's important you understand this information because this substance may harm you. The effects of exposure to any hazardous substance depend on the dose, the duration, how you are exposed, personal traits and habits, and whether other chemicals are present.

HIGHLIGHTS: Exposure to mercury occurs from breathing contaminated air, ingesting contaminated water and food, and having dental and medical treatments. Mercury, at high levels, may damage the brain, kidneys, and developing fetus. This chemical has been found in at least 714 of 1,467 National Priorities List sites identified by the Environmental Protection Agency.

What is mercury?

(Pronounced mŭr/kyə-rē)

Mercury is a naturally occurring metal which has several forms. The metallic mercury is a shiny, silver-white, odorless liquid. If heated, it is a colorless, odorless gas.

Mercury combines with other elements, such as chlorine, sulfur, or oxygen, to form inorganic mercury compounds or "salts," which are usually white powders or crystals. Mercury also combines with carbon to make organic mercury compounds. The most common one, methylmercury, is produced mainly by microscopic organisms in the water and soil. More mercury in the environment can increase the amounts of methylmercury that these small organisms make.

Metallic mercury is used to produce chlorine gas and caustic soda, and is also used in thermometers, dental fillings, and batteries. Mercury salts are sometimes used in skin lightening creams and as antiseptic creams and ointments.

What happens to mercury when it enters the environment?

- Inorganic mercury (metallic mercury and inorganic mercury compounds) enters the air from mining ore deposits, burning coal and waste, and from manufacturing plants.
- It enters the water or soil from natural deposits, disposal of wastes, and volcanic activity.

- Methylmercury may be formed in water and soil by small organisms called bacteria.
- Methylmercury builds up in the tissues of fish. Larger and older fish tend to have the highest levels of mercury.

How might I be exposed to mercury?

- Eating fish or shellfish contaminated with methylmercury.
- Breathing vapors in air from spills, incinerators, and industries that burn mercury-containing fuels.
- Release of mercury from dental work and medical treatments.
- Breathing contaminated workplace air or skin contact during use in the workplace (dental, health services, chemical, and other industries that use mercury).
- Practicing rituals that include mercury.

How can mercury affect my health?

The nervous system is very sensitive to all forms of mercury. Methylmercury and metallic mercury vapors are more harmful than other forms, because more mercury in these forms reaches the brain. Exposure to high levels of metallic, inorganic, or organic mercury can permanently damage the brain, kidneys, and developing fetus. Effects on brain functioning may result in irritability, shyness, tremors, changes in vision or hearing, and memory problems.

Short-term exposure to high levels of metallic mercury vapors may cause effects including lung damage, nausea,

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vomiting, diarrhea, increases in blood pressure or heart rate, skin rashes, and eye irritation.

How likely is mercury to cause cancer?

There are inadequate human cancer data available for all forms of mercury. Mercuric chloride has caused increases in several types of tumors in rats and mice, and methylmercury has caused kidney tumors in male mice. The EPA has determined that mercuric chloride and methylmercury are possible human carcinogens.

How can mercury affect children?

Very young children are more sensitive to mercury than adults. Mercury in the mother's body passes to the fetus and may accumulate there. It can also pass to a nursing infant through breast milk. However, the benefits of breast feeding may be greater than the possible adverse effects of mercury in breast milk.

Mercury's harmful effects that may be passed from the mother to the fetus include brain damage, mental retardation, incoordination, blindness, seizures, and inability to speak. Children poisoned by mercury may develop problems of their nervous and digestive systems, and kidney damage.

How can families reduce the risk of exposure to mercury?

Carefully handle and dispose of products that contain mercury, such as thermometers or fluorescent light bulbs. Do not vacuum up spilled mercury, because it will vaporize and increase exposure. If a large amount of mercury has been spilled, contact your health department. Teach children not to play with shiny, silver liquids.

Properly dispose of older medicines that contain mercury. Keep all mercury-containing medicines away from children.

Pregnant women and children should keep away from

rooms where liquid mercury has been used.

Learn about wildlife and fish advisories in your area from your public health or natural resources department.

Is there a medical test to show whether I've been exposed to mercury?

Tests are available to measure mercury levels in the body. Blood or urine samples are used to test for exposure to metallic mercury and to inorganic forms of mercury. Mercury in whole blood or in scalp hair is measured to determine exposure to methylmercury. Your doctor can take samples and send them to a testing laboratory.

Has the federal government made recommendations to protect human health?

The EPA has set a limit of 2 parts of mercury per billion parts of drinking water (2 ppb).

The Food and Drug Administration (FDA) has set a maximum permissible level of 1 part of methylmercury in a million parts of seafood (1 ppm).

The Occupational Safety and Health Administration (OSHA) has set limits of 0.1 milligram of organic mercury per cubic meter of workplace air (0.1 mg/m³) and 0.05 mg/m³ of metallic mercury vapor for 8-hour shifts and 40-hour work weeks.

References

Agency for Toxic Substances and Disease Registry (ATSDR). 1999. Toxicological profile for mercury. Atlanta, GA: U.S. Department of Health and Human Services, Public Health Service.

Where can I get more information? For more information, contact the Agency for Toxic Substances and Disease Registry, Division of Toxicology, 1600 Clifton Road NE, Mailstop F-32, Atlanta, GA 30333. Phone: 1-888-422-8737, FAX: 770-488-4178. ToxFAQs Internet address via WWW is <http://www.atsdr.cdc.gov/toxfaq.html> ATSDR can tell you where to find occupational and environmental health clinics. Their specialists can recognize, evaluate, and treat illnesses resulting from exposure to hazardous substances. You can also contact your community or state health or environmental quality department if you have any more questions or concerns.



This fact sheet answers the most frequently asked health questions (FAQs) about polycyclic aromatic hydrocarbons (PAHs). For more information, call the ATSDR Information Center at 1-888-422-8737. This fact sheet is one in a series of summaries about hazardous substances and their health effects. This information is important because this substance may harm you. The effects of exposure to any hazardous substance depend on the dose, the duration, how you are exposed, personal traits and habits, and whether other chemicals are present.

SUMMARY: Exposure to polycyclic aromatic hydrocarbons usually occurs by breathing air contaminated by wild fires or coal tar, or by eating foods that have been grilled. PAHs have been found in at least 600 of the 1,430 National Priorities List sites identified by the Environmental Protection Agency (EPA).

What are polycyclic aromatic hydrocarbons?

(Pronounced pŏl'ī-sī'klīk ār'ə-măt'īk hī'drə-kar'bənz)

Polycyclic aromatic hydrocarbons (PAHs) are a group of over 100 different chemicals that are formed during the incomplete burning of coal, oil and gas, garbage, or other organic substances like tobacco or charbroiled meat. PAHs are usually found as a mixture containing two or more of these compounds, such as soot.

Some PAHs are manufactured. These pure PAHs usually exist as colorless, white, or pale yellow-green solids. PAHs are found in coal tar, crude oil, creosote, and roofing tar, but a few are used in medicines or to make dyes, plastics, and pesticides.

What happens to PAHs when they enter the environment?

- PAHs enter the air mostly as releases from volcanoes, forest fires, burning coal, and automobile exhaust.
- PAHs can occur in air attached to dust particles.
- Some PAH particles can readily evaporate into the air from soil or surface waters.
- PAHs can break down by reacting with sunlight and other chemicals in the air, over a period of days to weeks.

- PAHs enter water through discharges from industrial and wastewater treatment plants.
- Most PAHs do not dissolve easily in water. They stick to solid particles and settle to the bottoms of lakes or rivers.
- Microorganisms can break down PAHs in soil or water after a period of weeks to months.
- In soils, PAHs are most likely to stick tightly to particles; certain PAHs move through soil to contaminate underground water.
- PAH contents of plants and animals may be much higher than PAH contents of soil or water in which they live.

How might I be exposed to PAHs?

- Breathing air containing PAHs in the workplace of coking, coal-tar, and asphalt production plants; smokehouses; and municipal trash incineration facilities.
- Breathing air containing PAHs from cigarette smoke, wood smoke, vehicle exhausts, asphalt roads, or agricultural burn smoke.
- Coming in contact with air, water, or soil near hazardous waste sites.
- Eating grilled or charred meats; contaminated cereals, flour, bread, vegetables, fruits, meats; and processed or pickled foods.
- Drinking contaminated water or cow's milk.

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- ❑ Nursing infants of mothers living near hazardous waste sites may be exposed to PAHs through their mother's milk.

How can PAHs affect my health?

Mice that were fed high levels of one PAH during pregnancy had difficulty reproducing and so did their offspring. These offspring also had higher rates of birth defects and lower body weights. It is not known whether these effects occur in people.

Animal studies have also shown that PAHs can cause harmful effects on the skin, body fluids, and ability to fight disease after both short- and long-term exposure. But these effects have not been seen in people.

How likely are PAHs to cause cancer?

The Department of Health and Human Services (DHHS) has determined that some PAHs may reasonably be expected to be carcinogens.

Some people who have breathed or touched mixtures of PAHs and other chemicals for long periods of time have developed cancer. Some PAHs have caused cancer in laboratory animals when they breathed air containing them (lung cancer), ingested them in food (stomach cancer), or had them applied to their skin (skin cancer).

Is there a medical test to show whether I've been exposed to PAHs?

In the body, PAHs are changed into chemicals that can attach to substances within the body. There are special tests that can detect PAHs attached to these substances in body tissues or blood. However, these tests cannot tell whether any

health effects will occur or find out the extent or source of your exposure to the PAHs. The tests aren't usually available in your doctor's office because special equipment is needed to conduct them.

Has the federal government made recommendations to protect human health?

The Occupational Safety and Health Administration (OSHA) has set a limit of 0.2 milligrams of PAHs per cubic meter of air (0.2 mg/m³). The OSHA Permissible Exposure Limit (PEL) for mineral oil mist that contains PAHs is 5 mg/m³ averaged over an 8-hour exposure period.

The National Institute for Occupational Safety and Health (NIOSH) recommends that the average workplace air levels for coal tar products not exceed 0.1 mg/m³ for a 10-hour workday, within a 40-hour workweek. There are other limits for workplace exposure for things that contain PAHs, such as coal, coal tar, and mineral oil.

Glossary

Carcinogen: A substance that can cause cancer.

Ingest: Take food or drink into your body.

References

Agency for Toxic Substances and Disease Registry (ATSDR). 1995. Toxicological profile for polycyclic aromatic hydrocarbons. Atlanta, GA: U.S. Department of Health and Human Services, Public Health Service.

Where can I get more information? For more information, contact the Agency for Toxic Substances and Disease Registry, Division of Toxicology, 1600 Clifton Road NE, Mailstop F-32, Atlanta, GA 30333. Phone: 1-888-422-8737, FAX: 770-488-4178. ToxFAQs Internet address via WWW is <http://www.atsdr.cdc.gov/toxfaq.html> ATSDR can tell you where to find occupational and environmental health clinics. Their specialists can recognize, evaluate, and treat illnesses resulting from exposure to hazardous substances. You can also contact your community or state health or environmental quality department if you have any more questions or concerns.



This fact sheet answers the most frequently asked health questions (FAQs) about trichloroethylene. For more information, call the ATSDR Information Center at 1-888-422-8737. This fact sheet is one in a series of summaries about hazardous substances and their health effects. This information is important because this substance may harm you. The effects of exposure to any hazardous substance depend on the dose, the duration, how you are exposed, personal traits and habits, and whether other chemicals are present.

HIGHLIGHTS: Trichloroethylene is a colorless liquid which is used as a solvent for cleaning metal parts. Drinking or breathing high levels of trichloroethylene may cause nervous system effects, liver and lung damage, abnormal heartbeat, coma, and possibly death. Trichloroethylene has been found in at least 852 of the 1,430 National Priorities List sites identified by the Environmental Protection Agency (EPA).

What is trichloroethylene?

Trichloroethylene (TCE) is a nonflammable, colorless liquid with a somewhat sweet odor and a sweet, burning taste. It is used mainly as a solvent to remove grease from metal parts, but it is also an ingredient in adhesives, paint removers, typewriter correction fluids, and spot removers.

Trichloroethylene is not thought to occur naturally in the environment. However, it has been found in underground water sources and many surface waters as a result of the manufacture, use, and disposal of the chemical.

What happens to trichloroethylene when it enters the environment?

- ❑ Trichloroethylene dissolves a little in water, but it can remain in ground water for a long time.
- ❑ Trichloroethylene quickly evaporates from surface water, so it is commonly found as a vapor in the air.
- ❑ Trichloroethylene evaporates less easily from the soil than from surface water. It may stick to particles and remain for a long time.
- ❑ Trichloroethylene may stick to particles in water, which will cause it to eventually settle to the bottom sediment.
- ❑ Trichloroethylene does not build up significantly in

plants and animals.

How might I be exposed to trichloroethylene?

- ❑ Breathing air in and around the home which has been contaminated with trichloroethylene vapors from shower water or household products such as spot removers and typewriter correction fluid.
- ❑ Drinking, swimming, or showering in water that has been contaminated with trichloroethylene.
- ❑ Contact with soil contaminated with trichloroethylene, such as near a hazardous waste site.
- ❑ Contact with the skin or breathing contaminated air while manufacturing trichloroethylene or using it at work to wash paint or grease from skin or equipment.

How can trichloroethylene affect my health?

Breathing small amounts may cause headaches, lung irritation, dizziness, poor coordination, and difficulty concentrating.

Breathing large amounts of trichloroethylene may cause impaired heart function, unconsciousness, and death. Breathing it for long periods may cause nerve, kidney, and liver damage.

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Drinking large amounts of trichloroethylene may cause nausea, liver damage, unconsciousness, impaired heart function, or death.

Drinking small amounts of trichloroethylene for long periods may cause liver and kidney damage, impaired immune system function, and impaired fetal development in pregnant women, although the extent of some of these effects is not yet clear.

Skin contact with trichloroethylene for short periods may cause skin rashes.

How likely is trichloroethylene to cause cancer?

Some studies with mice and rats have suggested that high levels of trichloroethylene may cause liver, kidney, or lung cancer. Some studies of people exposed over long periods to high levels of trichloroethylene in drinking water or in workplace air have found evidence of increased cancer. Although, there are some concerns about the studies of people who were exposed to trichloroethylene, some of the effects found in people were similar to effects in animals.

In its 9th Report on Carcinogens, the National Toxicology Program (NTP) determined that trichloroethylene is “reasonably anticipated to be a human carcinogen.” The International Agency for Research on Cancer (IARC) has determined that trichloroethylene is “probably carcinogenic to humans.”

Is there a medical test to show whether I've been exposed to trichloroethylene?

If you have recently been exposed to trichloroethylene, it can be detected in your breath, blood, or urine. The breath test, if it is performed soon after exposure, can tell if you have been exposed to even a small amount of trichloroethylene.

Exposure to larger amounts is assessed by blood

and urine tests, which can detect trichloroethylene and many of its breakdown products for up to a week after exposure. However, exposure to other similar chemicals can produce the same breakdown products, so their detection is not absolute proof of exposure to trichloroethylene. This test isn't available at most doctors' offices, but can be done at special laboratories that have the right equipment.

Has the federal government made recommendations to protect human health?

The EPA has set a maximum contaminant level for trichloroethylene in drinking water at 0.005 milligrams per liter (0.005 mg/L) or 5 parts of TCE per billion parts water.

The EPA has also developed regulations for the handling and disposal of trichloroethylene.

The Occupational Safety and Health Administration (OSHA) has set an exposure limit of 100 parts of trichloroethylene per million parts of air (100 ppm) for an 8-hour workday, 40-hour workweek.

Glossary

Carcinogenicity: The ability of a substance to cause cancer.

CAS: Chemical Abstracts Service.

Evaporate: To change into a vapor or gas.

Milligram (mg): One thousandth of a gram.

Nonflammable: Will not burn.

ppm: Parts per million.

Sediment: Mud and debris that have settled to the bottom of a body of water.

Solvent: A chemical that dissolves other substances.

References

This ToxFAQs information is taken from the 1997 Toxicological Profile for Trichloroethylene (update) produced by the Agency for Toxic Substances and Disease Registry, Public Health Service, U.S. Department of Health and Human Services, Public Health Service in Atlanta, GA.

Where can I get more information? For more information, contact the Agency for Toxic Substances and Disease Registry, Division of Toxicology, 1600 Clifton Road NE, Mailstop F-32, Atlanta, GA 30333. Phone: 1-888-422-8737, FAX: 770-488-4178. ToxFAQs™ Internet address is <http://www.atsdr.cdc.gov/toxfaq.html>. ATSDR can tell you where to find occupational and environmental health clinics. Their specialists can recognize, evaluate, and treat illnesses resulting from exposure to hazardous substances. You can also contact your community or state health or environmental quality department if you have any more questions or concerns.

This fact sheet answers the most frequently asked health questions (FAQs) about tetrachloroethylene. For more information, call the ATSDR Information Center at 1-888-422-8737. This fact sheet is one in a series of summaries about hazardous substances and their health effects. It's important you understand this information because this substance may harm you. The effects of exposure to any hazardous substance depend on the dose, the duration, how you are exposed, personal traits and habits, and whether other chemicals are present.

HIGHLIGHTS: Tetrachloroethylene is a manufactured chemical used for dry cleaning and metal degreasing. Exposure to very high concentrations of tetrachloroethylene can cause dizziness, headaches, sleepiness, confusion, nausea, difficulty in speaking and walking, unconsciousness, and death. Tetrachloroethylene has been found in at least 771 of the 1,430 National Priorities List sites identified by the Environmental Protection Agency (EPA).

What is tetrachloroethylene?

(Pronounced tět'rə-klôr' 0-ěth'ə-lēn')

Tetrachloroethylene is a manufactured chemical that is widely used for dry cleaning of fabrics and for metal-degreasing. It is also used to make other chemicals and is used in some consumer products.

Other names for tetrachloroethylene include perchloroethylene, PCE, and tetrachloroethene. It is a nonflammable liquid at room temperature. It evaporates easily into the air and has a sharp, sweet odor. Most people can smell tetrachloroethylene when it is present in the air at a level of 1 part tetrachloroethylene per million parts of air (1 ppm) or more, although some can smell it at even lower levels.

What happens to tetrachloroethylene when it enters the environment?

- Much of the tetrachloroethylene that gets into water or soil evaporates into the air.
- Microorganisms can break down some of the tetrachloroethylene in soil or underground water.
- In the air, it is broken down by sunlight into other chemicals or brought back to the soil and water by rain.
- It does not appear to collect in fish or other animals that live in water.

How might I be exposed to tetrachloroethylene?

- When you bring clothes from the dry cleaners, they will release small amounts of tetrachloroethylene into the air.
- When you drink water containing tetrachloroethylene, you are exposed to it.

How can tetrachloroethylene affect my health?

High concentrations of tetrachloroethylene (particularly in closed, poorly ventilated areas) can cause dizziness, headache, sleepiness, confusion, nausea, difficulty in speaking and walking, unconsciousness, and death.

Irritation may result from repeated or extended skin contact with it. These symptoms occur almost entirely in work (or hobby) environments when people have been accidentally exposed to high concentrations or have intentionally used tetrachloroethylene to get a "high."

In industry, most workers are exposed to levels lower than those causing obvious nervous system effects. The health effects of breathing in air or drinking water with low levels of tetrachloroethylene are not known.

Results from some studies suggest that women who work in dry cleaning industries where exposures to tetrachloroethyl-

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ene can be quite high may have more menstrual problems and spontaneous abortions than women who are not exposed. However, it is not known if tetrachloroethylene was responsible for these problems because other possible causes were not considered.

Results of animal studies, conducted with amounts much higher than those that most people are exposed to, show that tetrachloroethylene can cause liver and kidney damage. Exposure to very high levels of tetrachloroethylene can be toxic to the unborn pups of pregnant rats and mice. Changes in behavior were observed in the offspring of rats that breathed high levels of the chemical while they were pregnant.

How likely is tetrachloroethylene to cause cancer?

The Department of Health and Human Services (DHHS) has determined that tetrachloroethylene may reasonably be anticipated to be a carcinogen. Tetrachloroethylene has been shown to cause liver tumors in mice and kidney tumors in male rats.

Is there a medical test to show whether I've been exposed to tetrachloroethylene?

One way of testing for tetrachloroethylene exposure is to measure the amount of the chemical in the breath, much the same way breath-alcohol measurements are used to determine the amount of alcohol in the blood.

Because it is stored in the body's fat and slowly released into the bloodstream, tetrachloroethylene can be detected in the breath for weeks following a heavy exposure.

Tetrachloroethylene and trichloroacetic acid (TCA), a breakdown product of tetrachloroethylene, can be detected in the blood. These tests are relatively simple to perform. These tests aren't available at most doctors' offices, but can be per-

formed at special laboratories that have the right equipment.

Because exposure to other chemicals can produce the same breakdown products in the urine and blood, the tests for breakdown products cannot determine if you have been exposed to tetrachloroethylene or the other chemicals.

Has the federal government made recommendations to protect human health?

The EPA maximum contaminant level for the amount of tetrachloroethylene that can be in drinking water is 0.005 milligrams tetrachloroethylene per liter of water (0.005 mg/L).

The Occupational Safety and Health Administration (OSHA) has set a limit of 100 ppm for an 8-hour workday over a 40-hour workweek.

The National Institute for Occupational Safety and Health (NIOSH) recommends that tetrachloroethylene be handled as a potential carcinogen and recommends that levels in workplace air should be as low as possible.

Glossary

Carcinogen: A substance with the ability to cause cancer.

CAS: Chemical Abstracts Service.

Milligram (mg): One thousandth of a gram.

Nonflammable: Will not burn.

References

This ToxFAQs information is taken from the 1997 Toxicological Profile for Tetrachloroethylene (update) produced by the Agency for Toxic Substances and Disease Registry, Public Health Service, U.S. Department of Health and Human Services, Public Health Service in Atlanta, GA.

Where can I get more information? For more information, contact the Agency for Toxic Substances and Disease Registry, Division of Toxicology, 1600 Clifton Road NE, Mailstop F-32, Atlanta, GA 30333. Phone: 1-888-422-8737, FAX: 770-488-4178. ToxFAQs Internet address via WWW is <http://www.atsdr.cdc.gov/toxfaq.html> ATSDR can tell you where to find occupational and environmental health clinics. Their specialists can recognize, evaluate, and treat illnesses resulting from exposure to hazardous substances. You can also contact your community or state health or environmental quality department if you have any more questions or concerns.



This fact sheet answers the most frequently asked health questions (FAQs) about toluene. For more information, call the ATSDR Information Center at 1-888-422-8737. This fact sheet is one in a series of summaries about hazardous substances and their health effects. It's important you understand this information because this substance may harm you. The effects of exposure to any hazardous substance depend on the dose, the duration, how you are exposed, personal traits and habits, and whether other chemicals are present.

HIGHLIGHTS: Exposure to toluene occurs from breathing contaminated workplace air, in automobile exhaust, some consumer products paints, paint thinners, fingernail polish, lacquers, and adhesives. Toluene affects the nervous system. Toluene has been found at 959 of the 1,591 National Priority List sites identified by the Environmental Protection Agency

What is toluene?

Toluene is a clear, colorless liquid with a distinctive smell. Toluene occurs naturally in crude oil and in the tolu tree. It is also produced in the process of making gasoline and other fuels from crude oil and making coke from coal.

Toluene is used in making paints, paint thinners, fingernail polish, lacquers, adhesives, and rubber and in some printing and leather tanning processes.

What happens to toluene when it enters the environment?

Toluene enters the environment when you use materials that contain it. It can also enter surface water and groundwater from spills of solvents and petroleum products as well as from leaking underground storage tanks at gasoline stations and other facilities.

When toluene-containing products are placed in landfills or waste disposal sites, the toluene can enter the soil or water near the waste site.

Toluene does not usually stay in the environment long.

Toluene does not concentrate or buildup to high levels in animals.

How might I be exposed to toluene?

Breathing contaminated workplace air or automobile exhaust.

Working with gasoline, kerosene, heating oil, paints, and lacquers.

Drinking contaminated well-water.

Living near uncontrolled hazardous waste sites containing toluene products.

How can toluene affect my health?

Toluene may affect the nervous system. Low to moderate levels can cause tiredness, confusion, weakness, drunken-type actions, memory loss, nausea, loss of appetite, and

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hearing and color vision loss. These symptoms usually disappear when exposure is stopped.

Inhaling High levels of toluene in a short time can make you feel light-headed, dizzy, or sleepy. It can also cause unconsciousness, and even death.

High levels of toluene may affect your kidneys.

How likely is toluene to cause cancer?

Studies in humans and animals generally indicate that toluene does not cause cancer.

The EPA has determined that the carcinogenicity of toluene can not be classified.

How can toluene affect children?

It is likely that health effects seen in children exposed to toluene will be similar to the effects seen in adults. Some studies in animals suggest that babies may be more sensitive than adults.

Breathing very high levels of toluene during pregnancy can result in children with birth defects and retard mental abilities, and growth. We do not know if toluene harms the unborn child if the mother is exposed to low levels of toluene during pregnancy.

How can families reduce the risk of exposure to toluene?

- Use toluene-containing products in well-ventilated areas.

- When not in use, toluene-containing products should be tightly covered to prevent evaporation into the air.

Is there a medical test to show whether I've been exposed to toluene?

There are tests to measure the level of toluene or its breakdown products in exhaled air, urine, and blood. To determine if you have been exposed to toluene, your urine or blood must be checked within 12 hours of exposure. Several other chemicals are also changed into the same breakdown products as toluene, so some of these tests are not specific for toluene.

Has the federal government made recommendations to protect human health?

EPA has set a limit of 1 milligram per liter of drinking water (1 mg/L).

Discharges, releases, or spills of more than 1,000 pounds of toluene must be reported to the National Response Center.

The Occupational Safety and Health Administration has set a limit of 200 parts toluene per million of workplace air (200 ppm).

References

Agency for Toxic Substances and Disease Registry (ATSDR). 2000. Toxicological Profile for Toluene. Atlanta, GA: U.S. Department of Health and Human Services, Public Health Service.

Where can I get more information? For more information, contact the Agency for Toxic Substances and Disease Registry, Division of Toxicology, 1600 Clifton Road NE, Mailstop F-32, Atlanta, GA 30333. Phone: 1-888-422-8737, FAX: 770-488-4178. ToxFAQs™ Internet address is <http://www.atsdr.cdc.gov/toxfaq.html>. ATSDR can tell you where to find occupational and environmental health clinics. Their specialists can recognize, evaluate, and treat illnesses resulting from exposure to hazardous substances. You can also contact your community or state health or environmental quality department if you have any more questions or concerns.



This fact sheet answers the most frequently asked health questions (FAQs) about xylene. For more information, call the ATSDR Information Center at 1-888-422-8737. This fact sheet is one in a series of summaries about hazardous substances and their health effects. It's important you understand this information because this substance may harm you. The effects of exposure to any hazardous substance depend on the dose, the duration, how you are exposed, personal traits and habits, and whether other chemicals are present.

SUMMARY: Exposure to xylene occurs in the workplace and when you use paint, gasoline, paint thinners and other products that contain it. People who breathe high levels may have dizziness, confusion, and a change in their sense of balance. This substance has been found in at least 658 of the 1,430 National Priorities List sites identified by the Environmental Protection Agency (EPA).

What is xylene?

(Pronounced zī'lēn)

Xylene is a colorless, sweet-smelling liquid that catches on fire easily. It occurs naturally in petroleum and coal tar and is formed during forest fires. You can smell xylene in air at 0.08–3.7 parts of xylene per million parts of air (ppm) and begin to taste it in water at 0.53–1.8 ppm.

Chemical industries produce xylene from petroleum. It's one of the top 30 chemicals produced in the United States in terms of volume.

Xylene is used as a solvent and in the printing, rubber, and leather industries. It is also used as a cleaning agent, a thinner for paint, and in paints and varnishes. It is found in small amounts in airplane fuel and gasoline.

What happens to xylene when it enters the environment?

- Xylene has been found in waste sites and landfills when discarded as used solvent, or in varnish, paint, or paint thinners.
- It evaporates quickly from the soil and surface water into the air.

- In the air, it is broken down by sunlight into other less harmful chemicals.
- It is broken down by microorganisms in soil and water.
- Only a small amount of it builds up in fish, shellfish, plants, and animals living in xylene-contaminated water.

How might I be exposed to xylene?

- Breathing xylene in workplace air or in automobile exhaust.
- Breathing contaminated air.
- Touching gasoline, paint, paint removers, varnish, shellac, and rust preventatives that contain it.
- Breathing cigarette smoke that has small amounts of xylene in it.
- Drinking contaminated water or breathing air near waste sites and landfills that contain xylene.
- The amount of xylene in food is likely to be low.

How can xylene affect my health?

Xylene affects the brain. High levels from exposure for short periods (14 days or less) or long periods (more than 1 year) can cause headaches, lack of muscle coordination, dizziness, confusion, and changes in one's sense of balance. Exposure of

ToxFAQs Internet home page via WWW is <http://www.atsdr.cdc.gov/toxfaq.html>

people to high levels of xylene for short periods can also cause irritation of the skin, eyes, nose, and throat; difficulty in breathing; problems with the lungs; delayed reaction time; memory difficulties; stomach discomfort; and possibly changes in the liver and kidneys. It can cause unconsciousness and even death at very high levels.

Studies of unborn animals indicate that high concentrations of xylene may cause increased numbers of deaths, and delayed growth and development. In many instances, these same concentrations also cause damage to the mothers. We do not know if xylene harms the unborn child if the mother is exposed to low levels of xylene during pregnancy.

How likely is xylene to cause cancer?

The International Agency for Research on Cancer (IARC) has determined that xylene is not classifiable as to its carcinogenicity in humans.

Human and animal studies have not shown xylene to be carcinogenic, but these studies are not conclusive and do not provide enough information to conclude that xylene does not cause cancer.

Is there a medical test to show whether I've been exposed to xylene?

Laboratory tests can detect xylene or its breakdown products in exhaled air, blood, or urine. There is a high degree of agreement between the levels of exposure to xylene and the levels of xylene breakdown products in the urine. However, a urine sample must be provided very soon after exposure ends because xylene quickly leaves the body. These tests are not routinely available at your doctor's office.

Has the federal government made recommendations to protect human health?

The EPA has set a limit of 10 ppm of xylene in drinking water.

The EPA requires that spills or accidental releases of xylenes into the environment of 1,000 pounds or more must be reported.

The Occupational Safety and Health Administration (OSHA) has set a maximum level of 100 ppm xylene in workplace air for an 8-hour workday, 40-hour workweek.

The National Institute for Occupational Safety and Health (NIOSH) and the American Conference of Governmental Industrial Hygienists (ACGIH) also recommend exposure limits of 100 ppm in workplace air.

NIOSH has recommended that 900 ppm of xylene be considered immediately dangerous to life or health. This is the exposure level of a chemical that is likely to cause permanent health problems or death.

Glossary

Evaporate: To change from a liquid into a vapor or a gas.

Carcinogenic: Having the ability to cause cancer.

CAS: Chemical Abstracts Service.

ppm: Parts per million.

Solvent: A liquid that can dissolve other substances.

References

Agency for Toxic Substances and Disease Registry (ATSDR). 1995. Toxicological profile for xylenes (update). Atlanta, GA: U.S. Department of Health and Human Services, Public Health Service.

Where can I get more information? For more information, contact the Agency for Toxic Substances and Disease Registry, Division of Toxicology, 1600 Clifton Road NE, Mailstop E-29, Atlanta, GA 30333. Phone: 1-888-422-8737, FAX: 404-498-0093. ToxFAQs Internet address via WWW is <http://www.atsdr.cdc.gov/toxfaq.html> ATSDR can tell you where to find occupational and environmental health clinics. Their specialists can recognize, evaluate, and treat illnesses resulting from exposure to hazardous substances. You can also contact your community or state health or environmental quality department if you have any more questions or concerns.



APPENDIX B
WEST NILE VIRUS/ST. LOUIS ENCEPHALITIS PREVENTION

WEST NILE VIRUS/ST. LOUIS ENCEPHALITIS PREVENTION

The following section is based upon information provided by the CDC Division of Vector-Borne Infectious Diseases. Symptoms of West Nile Virus include fever, headache, and body aches, occasionally with skin rash and swollen lymph glands, with most infections being mild. More severe infection may be marked by headache, high fever, neck stiffness, stupor, disorientation, coma, tremors, convulsions, muscle weakness, paralysis, and, rarely, death. Most infections of St. Louis encephalitis are mild without apparent symptoms other than fever with headache. More severe infection is marked by headache, high fever, neck stiffness, stupor, disorientation, coma, tremors, occasional convulsions (especially infants) and spastic (but rarely flaccid) paralysis. The only way to avoid infection of West Nile Virus and St. Louis encephalitis is to avoid mosquito bites. To reduce the chance of mosquito contact:

- Stay indoors at dawn, dusk, and in the early evening.
- Wear long-sleeved shirts and long pants whenever you are outdoors.
- Spray clothing with repellents containing permethrin or DEET (N, N-diethyl-meta-toluamide), since mosquitoes may bite through thin clothing.
- Apply insect repellent sparingly to exposed skin. An effective repellent will contain 35% DEET. DEET in high concentrations (greater than 35%) provides no additional protection.
- Repellents may irritate the eyes and mouth.
- Whenever you use an insecticide or insect repellent, be sure to read and follow the manufacturer's directions for use, as printed on the product.

APPENDIX C
REPORT FORMS

WEEKLY SAFETY REPORT FORM

Week Ending: _____ Project Name/Number: _____

Report Date: _____ Project Manager Name: _____

Summary of any violations of procedures occurring that week:

Summary of any job related injuries, illnesses, or near misses that week:

Summary of air monitoring data that week (include and sample analyses, action levels exceeded, and actions taken):

Comments:

Name: _____ Company: _____

Signature: _____ Title: _____

INJURED - ILL:

Name: _____ SSN: _____

Address: _____ Age: _____

Length of Service: _____ Time on Present Job: _____

Time/Classification: _____

SEVERITY OF INJURY OR ILLNESS:

___ Disabling ___ Non-disabling ___ Fatality

___ Medical Treatment ___ First Aid Only

ESTIMATED NUMBER OF DAYS AWAY FROM JOB: _____

NATURE OF INJURY OR ILLNESS: _____

CLASSIFICATION OF INJURY:

- | | | |
|--------------------|-----------------------|----------------------------|
| ___ Abrasions | _____ Dislocations | _____ Punctures |
| ___ Bites | _____ Faint/Dizziness | _____ Radiation Burns |
| ___ Blisters | _____ Fractures | _____ Respiratory Allergy |
| ___ Bruises | _____ Frostbite | _____ Sprains |
| ___ Chemical Burns | _____ Heat Burns | _____ Toxic Resp. Exposure |
| ___ Cold Exposure | _____ Heat Exhaustion | _____ Toxic Ingestion |
| ___ Concussion | _____ Heat Stroke | _____ Dermal Allergy |
| ___ Lacerations | | |

Part of Body Affected: _____

Degree of Disability: _____

Date Medical Care was Received: _____

Where Medical Care was Received: _____

Address (if off-site): _____

(If two or more injuries, record on separate sheets)

PROPERTY DAMAGE:

Description of Damage: _____

Cost of Damage: \$ _____

ACCIDENT/INCIDENT LOCATION: _____

ACCIDENT/INCIDENT ANALYSIS: Causative agent most directly related to accident/incident
(Object, substance, material, machinery, equipment, conditions)

Was weather a factor?: _____

Unsafe mechanical/physical/environmental condition at time of accident/incident (Be specific):

Personal factors (Attitude, knowledge or skill, reaction time, fatigue):

ON-SITE ACCIDENTS/INCIDENTS:

Level of personal protection equipment required in Site Safety Plan:

Modifications:

Was injured using required equipment?:

If not, how did actual equipment use differ from plan?:

ACTION TAKEN TO PREVENT RECURRENCE: (Be specific. What has or will be done? When will it be done? Who is the responsible party to insure that the correction is made?)

ACCIDENT/INCIDENT REPORT REVIEWED BY:

SSO Name Printed

SSO Signature

OTHERS PARTICIPATING IN INVESTIGATION:

Signature

Title

Signature

Title

Signature

Title

ACCIDENT/INCIDENT FOLLOW-UP: Date: _____

Outcome of accident/incident: _____

Physician's recommendations: _____

Date injured returned to work: _____

Follow-up performed by: _____

Signature

Title

ATTACH ANY ADDITIONAL INFORMATION TO THIS FORM

APPENDIX D
EMERGENCY HAND SIGNALS

EMERGENCY SIGNALS

In most cases, field personnel will carry portable radios for communication. If this is the case, a transmission that indicates an emergency will take priority over all other transmissions. All other site radios will yield the frequency to the emergency transmissions.

Where radio communications is not available, the following air-horn and/or hand signals will be used:

EMERGENCY HAND SIGNALS

OUT OF AIR, CAN'T BREATHE!



Hand gripping throat

**LEAVE AREA IMMEDIATELY,
NO DEBATE!**

(No Picture) Grip partner's wrist or place both hands around waist

NEED ASSISTANCE!



Hands on top of head

OKAY! – I'M ALL RIGHT!

- I UNDERSTAND!



Thumbs up

NO! - NEGATIVE!



Thumbs down

APPENDIX 5
PROPOSED DEVELOPMENT PLANS

PROJECT:
250 N. 10th Street
BROOKLYN, NY

OWNER/DEVELOPER:
LCOR Inc.
ONE FRANK PLAZA, SUITE 1801
NEW YORK, NY 10019
TEL: (212) 693-0060
FAX: (212) 764-0971

ARCHITECT:
SJCE Architects, LLP
84 BROOKLYN AVENUE
NEW YORK, NY 10003
TEL: (212) 979-4800
FAX: (212) 979-4897

SJCE Architects, LLP
84 BROOKLYN AVENUE
NEW YORK, NY 10003
TEL: (212) 979-4800
FAX: (212) 979-4897

LANDSCAPE ARCHITECT:
SCAPE
27 WEST 20TH STREET
NEW YORK, NY 10011
TEL: (212) 462-2228
FAX: (212) 462-4144

STRUCTURAL ENGINEER:
DEMONE CONSULTING ENGINEERS, PLLC
100 WEST 11TH STREET
NEW YORK, NY 10001
TEL: (212) 535-2211
FAX: (212) 481-0108

M.E.P. ENGINEER:
DAGHER ENGINEERING, PLLC
22 BROOKLYN AVENUE
NEW YORK, NY 10006
TEL: (212) 482-2271
FAX: (212) 482-2264

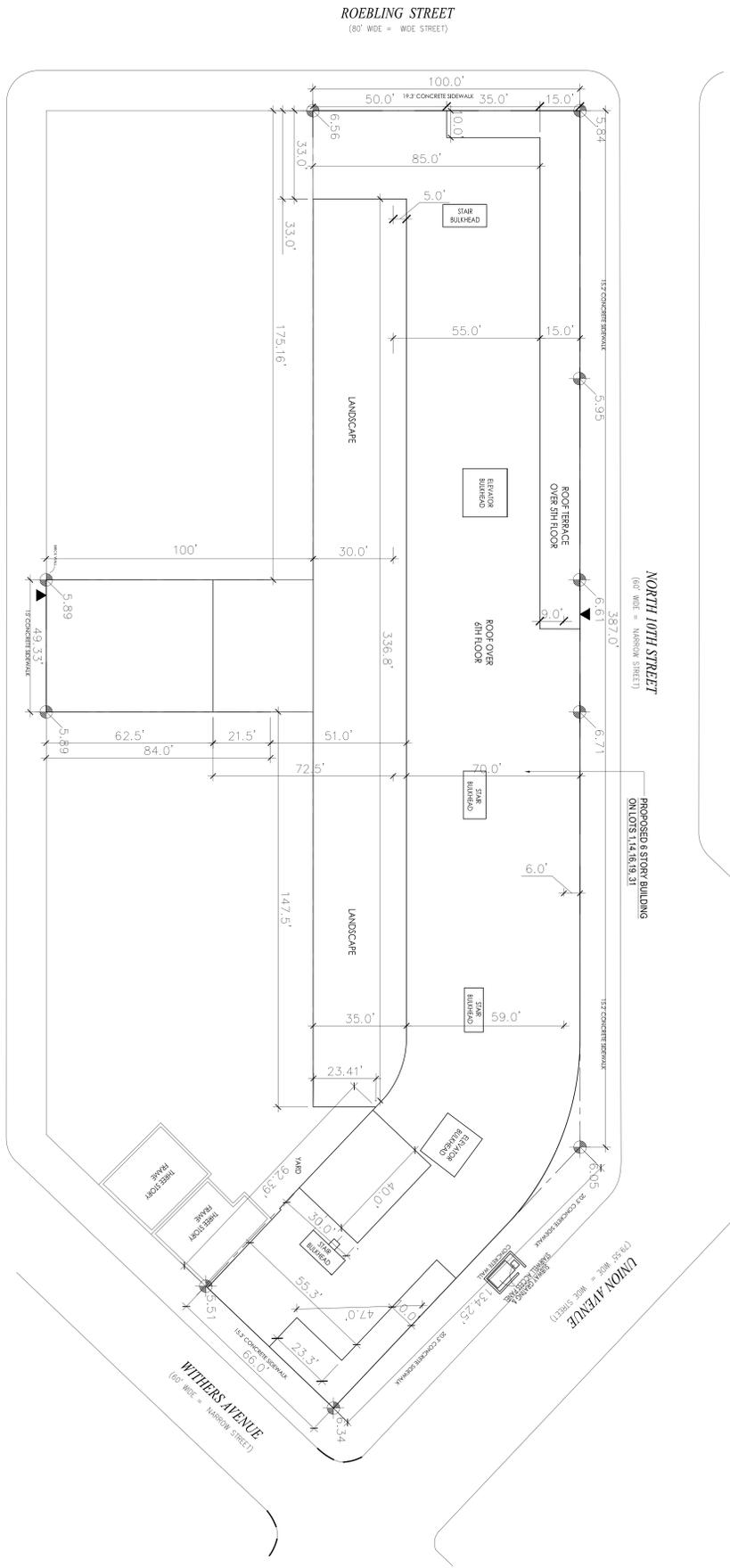
GEOTECH ENGINEER:
Longon Engineering & Environmental Services
300 WEST 31ST STREET
NEW YORK, NY 10001
TEL: (212) 479-5400
FAX: (212) 479-5444

FAÇADE/INTERIOR WALL CONSULTANT:
Gilbert Murrey Stelek Inc.
129 WEST 27TH STREET
NEW YORK, NY 10001
TEL: (212) 244-0030
FAX: (212) 472-9778

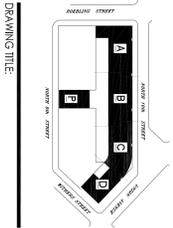
DOMING CONSULTANT:
Development Consulting Services, Inc.
330 WEST 42ND STREET
NEW YORK, NY 10001
TEL: (212) 714-0280
FAX: (212) 714-0282

VERTICAL CIRCULATION:
D.I.M. Inc. Elevator Consulting
120-02 41RD AVE
CORONA, NY 11364
TEL: (718) 301-0443
FAX: (718) 301-7822

PERMIT ENGINEER:
METROPOLIS GROUP, INC.
22 CENTRAL AVENUE
NEW YORK, NY 10007
TEL: (212) 233-4344
FAX: (212) 233-8533



1 SITE PLAN
SCALE
0 10' 20' 30' 40'



KEY PLAN

DATE: 08-21-11	REVISION: PERSONAL INDEPENDENT SUBMISSION
DATE: 08-21-11	REVISION: PERSONAL INDEPENDENT SUBMISSION
DATE: 08-21-11	REVISION: PERSONAL INDEPENDENT SUBMISSION
DATE: 08-21-11	REVISION: PERSONAL INDEPENDENT SUBMISSION
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DATE: 08-21-11	REVISION: PERSONAL INDEPENDENT SUBMISSION
DATE: 08-21-11	REVISION: PERSONAL INDEPENDENT SUBMISSION
DATE: 08-21-11	REVISION: PERSONAL INDEPENDENT SUBMISSION
DATE: 08-21-11	REVISION: PERSONAL INDEPENDENT SUBMISSION

DRAWING TITLE:
SITE PLAN

DATE: 08-21-11
PROJECT NO: 2012-03
DRAWING NO: A-004.00
COORDINATOR: ZSUN@LDCOR.COM



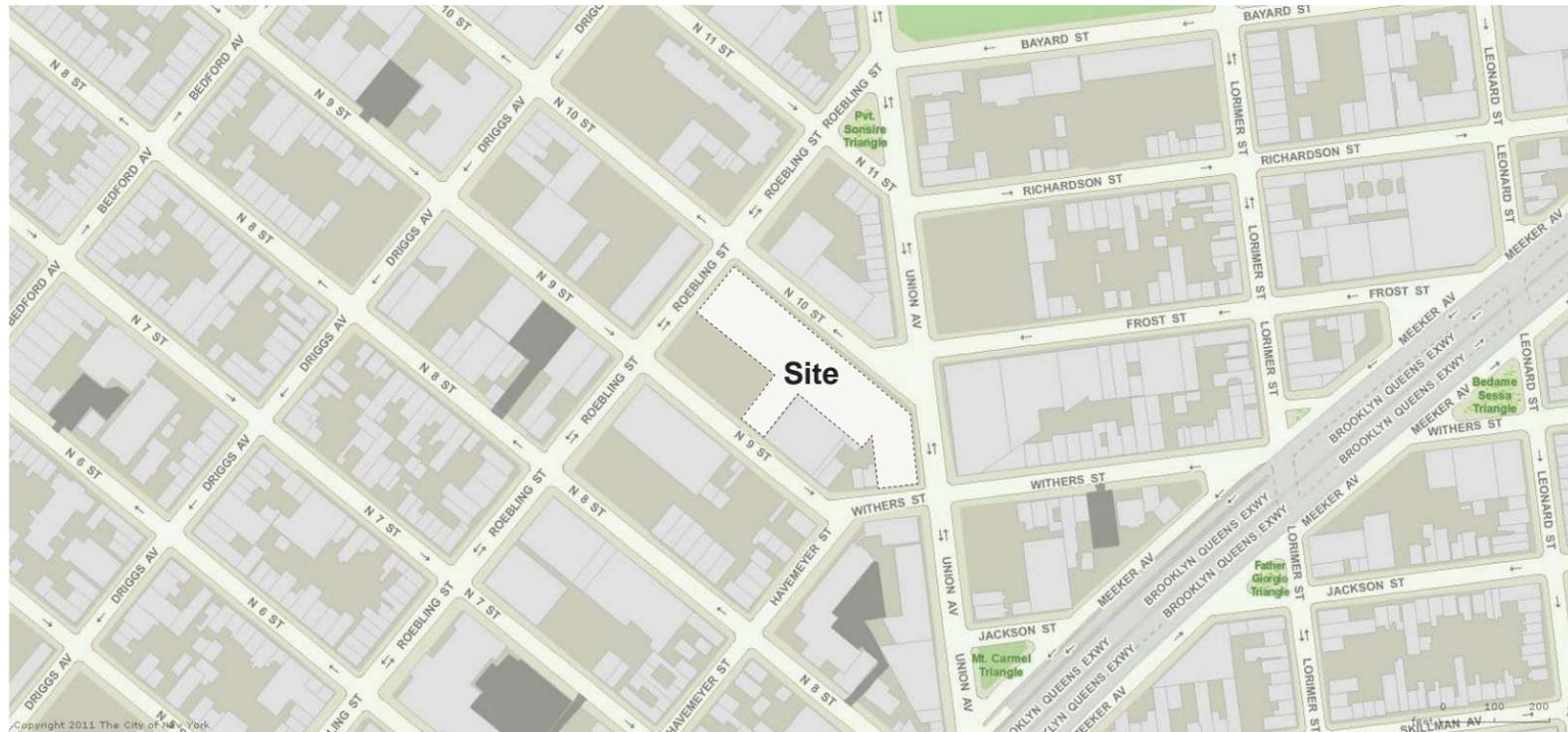
Rendered View Looking West from Union Avenue

250 North 10th Street Brooklyn, New York

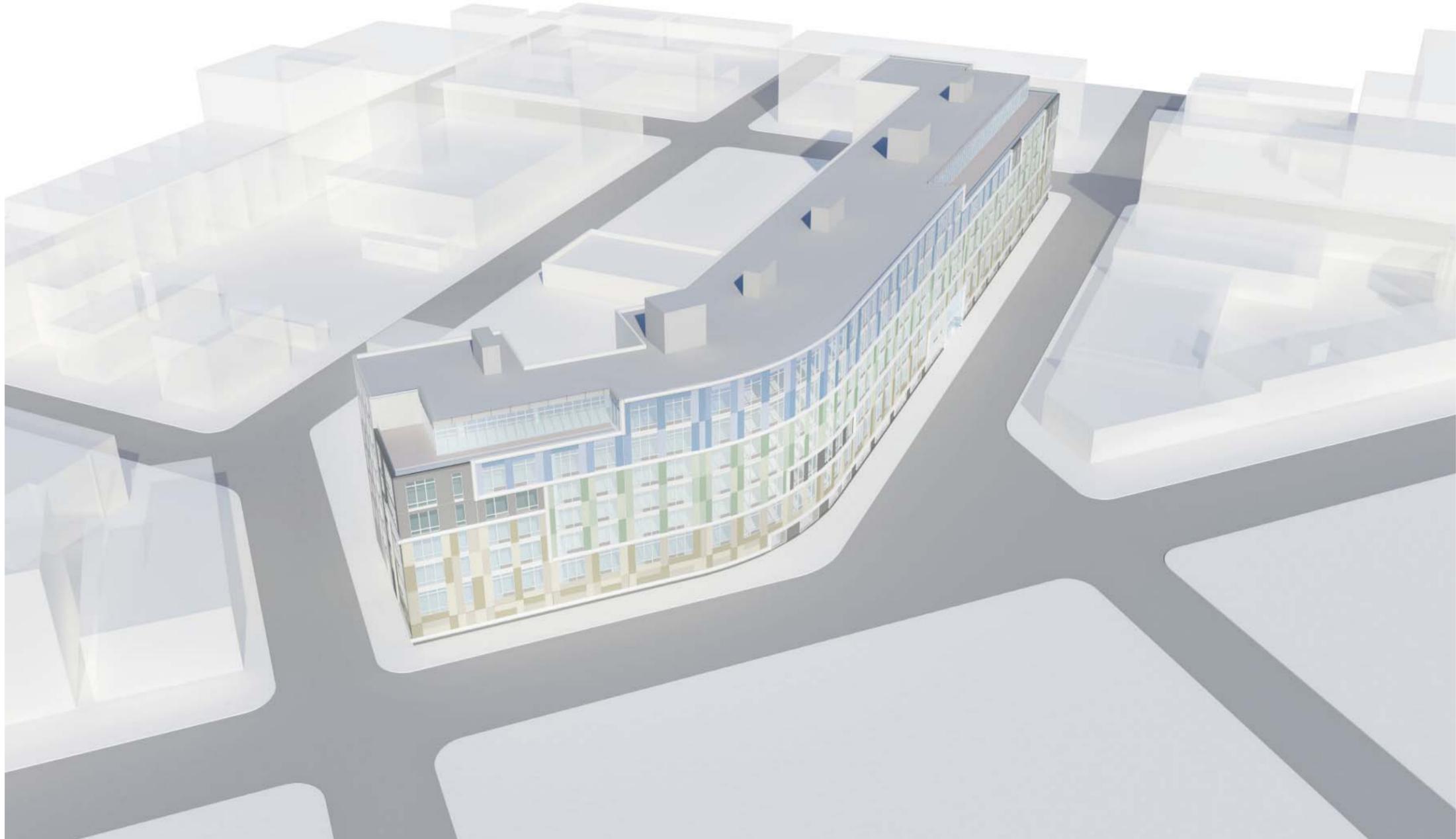
Design Studies, June 21st, 2011

Content

- 00 Title Sheet
- 01 Rendered Aerial View Looking Southwest
- 02 Rendered Aerial View Looking Southeast
- 03 Rendered Street View Looking West from Union Avenue
- 04 Rendered Street View Looking West from Withers St & Union Avenue
- 05 Rendered Street View Looking Southwest from Frost St & Union Avenue
- 06 Rendered Street View Looking Southeast from North 10th & Roebling Street
- 07 Rendered Lobby Entrance along North 10th Street



Site Plan















APPENDIX 6

**PREVIOUS ENVIRONMENTAL INVESTIGATIONS AND
REPORTS**



Hydro Tech Environmental, Corp.

Main Office
2171 Jericho Turnpike, Suite 345
Commack, New York 11725
T (631) 462-5866 • F (631) 462-5877

NYC Office
1111 Fulton Street, 2nd FL.
Brooklyn, New York 11238
T (718) 636-0800 • F (718) 636-0900

www.hydrotechenvironmental.com
Toll Free: (866) HYDRO-TK

SITE INVESTIGATION REPORT

264 North 10th Street/555 Union Avenue
25-33 Roebling Street/236 North 10th Street
258 North 10th Street
543 Union Avenue
249 North 9th Street
Block: 2307, Lots: 1, 14, 16, 19 and 31.
Brooklyn, New York
CEQR No. 06DEPTECH180K



Prepared For

Mr. Moshe Moskowitz
Favorite Properties, LLC.
580 5th Avenue, Suite 501
New York NY 10036

August 18th 2006

HTE Job No. 060098

SITE INVESTIGATION REPORT

264 North 10th Street/555 Union Avenue
25-33 Roebling Street/236 North 10th Street
258 North 10th Street
543 Union Avenue
249 North 9th Street
Block: 2307, Lots: 1, 14, 16, 19 and 31.
Brooklyn, New York
CEQR No. 06DEPTECH180K

August 18th, 2006

Hydro Tech Environmental, Corp. appreciates the opportunity to work for Mr. Moshe Moskowitz of Favorite Properties, LLC at the properties referenced above.

Should you require any additional information or have any comments regarding the contents of this report, please feel free to contact our office at your convenience.

Very Truly Yours,
Hydro Tech Environmental, Corp.

x Eva Jakubowska
Eva Jakubowska
Project Manager

x Sharissa Singh (rm)
Sharissa Singh
Senior Geologist

x Mark E. Robbins (42)
Mark E. Robbins, C.P.G., C.E.I.
Vice President

x Mostafa El-Schamy (48)
Mostafa El-Schamy, P.G., C.G.W.P.
Operations Director

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1.0 EXECUTIVE SUMMARY

Hydro Tech Environmental, Corp. (HTE) has performed a Subsurface Investigation at the properties located at 264 North 10th Street, 236-258 North 10th Street, 543 Union Avenue and 249 North 9th Street in Brooklyn, New York. The investigation has been performed on behalf of Mr. Moshe Moskowitz of Favorite Properties, LLC. The project has been assigned the City Environmental Quality Review # 06DEPTECH180K.

The purpose of the investigation is to characterize the subsurface soil and groundwater quality in order to address the "E" designation assigned to the Site by the New York City Department of Environmental Protection (NYCDEP). The scope of work was performed based upon the NYCDEP approved Revised Investigation Work Plan dated May 15th, 2006.

The investigation consisted of the performance of the GPR Survey and the installation and sampling of a series of soil and groundwater probes utilizing direct push technology. A HTE geologist screened all soil samples in the field for organic vapors utilizing a Photoionization Detector. Select soil and groundwater samples were analyzed at a State-certified laboratory for Volatile Organic Compounds (VOCs), Semi-Volatile Organic Compounds (SVOCs), Pesticides, Polychlorinated Biphenyls (PCBs) and TAL Metals.

The results of the investigation are contained in this report. No anomalies indicative of 55-gallon drums or underground storage tanks were identified during the GPR Survey. Levels of SVOCs and Metals, indicative of urban fill material, were detected in both shallow and deep soil samples at concentrations exceeding regulatory standards. Metals are present in groundwater at concentrations exceeding NYSDEC TOGS 1.1.1 Standards. No VOCs were identified in either soil or groundwater at concentrations exceeding regulatory standards.

No effort has been made to perform any investigation beyond what is included in this report. The observations included herein summarize the results of the environmental activities up to the date of the fieldwork and the date of this report.

The following sections provide the details and specific information pertaining to the various components of the subsurface investigation.

2.0 INTRODUCTION

Hydro Tech Environmental Corp. ("HTE") has been retained by Mr. Moshe Moskowitz. ("the Client") to perform subsurface investigation at the properties located at 264 North 10th Street, 236-258 North 10th Street, 543 Union Avenue and 249 North 9th Street in Brooklyn, New York. The Site is also identified as Block: 2307, Lots: 1, 14, 16, 19 and 31. The properties will hereafter collectively be referred to as the "Site".

The New York City Department of Environmental Protection (NYCDEP) has assigned a designation "E-102" to the Site. The City Environmental Quality Review (CEQR) number assigned to the Site is #06DEPTECH180K.

The vicinity of the Site consists of residential and commercial properties. The ground surfaces in the vicinity of the Site consist of asphalt and concrete surfaces.

2.1 Site Description

The Site is approximately 50,140 square feet in area. The entire Site is currently vacant. The properties were previously developed with four 1-story vacant warehouses. The buildings were occupied by Ideal Cards Inc. warehouse, box and cardboard manufacturers. The property at lot 31 is also vacant and it was previously developed with 2-story residential building. Access to the Sites (lots: 1, 14, 16 & 19) is via North 10th Street to the south. Access to the lot 31 is via north 9th street to the north.

Figure 1 provides a Site Plan.

2.2 Geology & Hydrogeology

The Site is located in the northern portion of the borough of Brooklyn, New York. The elevation of the Subject Property is approximately 16 feet above mean sea level (*USGS Topographic Map, Brooklyn, New York Quadrangle, 1979*).

The depth to groundwater in the vicinity of the Site is approximately 10 feet below surface grade. The regional groundwater flow direction in the vicinity of the Site is toward the northwest, in the direction of the East River.

The borough of Brooklyn is situated in the western portion of Long Island, which consists of a wedge-shaped mass of unconsolidated deposits that overlie ancient basement rock. The thickness of these deposits ranges from approximately 100 feet on the Island's north shore, to approximately 2,000 feet in some portions of the south shore.

The major landforms of Long Island of importance to the hydrologic system are the moraines and outwash plains, which originated from glacial activity. The moraines represent the farthest extent of the glacial advances. The moraines consist of till, which is a poorly sorted mixture of sand, silt, clay, gravel and boulders. The till is poorly to moderately permeable in most areas. Outwash plains are located to the south of the moraines. The outwash plains were formed by the action of glacial melt water streams, which eroded the headland material of the moraines and laid down deposits of well-sorted sands, silts and gravels. These outwash deposits have a moderate to high permeability.

The **Upper Glacial Aquifer** is the uppermost hydrogeologic unit. This aquifer encompasses the moraine and outwash deposits, in addition to some localized lacustrine, marine, and reworked materials. A relatively high horizontal hydraulic conductivity and a low vertical hydraulic conductivity characterize the outwash plain portion of this unit. Since the water table is situated in the Upper Glacial Aquifer, the water quality has been degraded in many areas due to industrial activities.

The **Magothy Formation** directly underlies the Upper Glacial Aquifer in the vicinity of the Site. This formation is a Cretaceous coastal-shelf deposit, which consists principally of layers of sand and gravel with some interbedded clay. This formation ranges from poorly to moderately or highly permeable. A clay layer in some parts of Long Island confines the uppermost portion of the aquifer.

The **Raritan Formation** is the deepest unit and rests directly above the bedrock units. This formation is comprised of a sand member (**Lloyd Aquifer**) and a clay member (**Raritan Clay**). The Lloyd sand extends southward from Flushing Bay to the Atlantic Ocean. The thickness of the sand member increases to the southeast and ranges in depth from 200 to 800 feet below sea level (from northwest to southeast). The clay member acts as an aquitard confining the lower Lloyd aquifer between the clay and the underlying bedrock.

2.3 Objective & Project Goals

The scope of work for this investigation was specified based upon requirements set forth by the NYCDEP Office of Environmental Planning & Assessment in a Revised Investigation Work Plan and various correspondences with the NYCDEP. The purpose of the investigation was to characterize the environmental quality of the Site in order to address the "E" Designation.

Appendix A contains copies of the correspondences from the NYCDEP.

All related portions of the fieldwork were performed, at a minimum, in accordance with acceptable industry standards. These acceptable industry standards include, but are not limited to, the ASTM Standard Guide for Phase II Environmental Site Assessments (E 1903-97), the New York State Department of Environmental Conservation (NYSDEC) Bureau of Spill Prevention & Response Sampling Guidelines and Protocols, March 1991 and the Draft DER-10 Technical Guidance for Site Investigation and Remediation, December 2002.

3.0 FIELD WORK

3.1 Introduction

The purpose of this Section is to document the details and protocols, which were utilized in the characterization of the Site's environmental quality. To accomplish this, HTE has conducted a Ground Penetration Radar (GPR) survey and installed a series of soil and groundwater probes utilizing direct-push technology. All portions of the fieldwork were performed under the direct oversight of a HTE Geologist and under the guidance of an HTE Project Manager.

Prior to the performance of the fieldwork, a NYC One-Call Public Utility Mark-out was requested. Confirmation # 60800780 was issued to the mark-out.

Appendix B provides copies of photographs.

3.2 Ground Penetrating Radar

The purpose of the remote sensing survey was to identify any anomalies that may be present on the Site. Typical anomalies include underground storage tanks and 55-gallon drums. In addition the GPR was utilized to clear all sampling locations of any potential subsurface obstructions.

The GPR survey was performed utilizing a GSSI SIR-3000 Control Unit and a 400-megahertz shielded antenna. The survey was performed in all accessible portion of the Site over a grid pattern that was determined immediately prior to the survey. The GPR operator wheeled the antenna over the predetermined grid. The GPR takes one "scan" per set unit. The number of scans per unit is based upon the estimated sizes of targets. As each scan is performed, the antenna emits specific radar amplitude into the subsurface. The amplitude of the radar reflected back to the antenna is based upon the differences in the dielectric constants of the subsurface materials. The difference in amplitude obtained during each scan is graphically displayed at the Control Unit, which are then interpreted by the GPR operator the time of the survey. Additional interpretations are then conducted in the office using computer software.

The GPR Survey did not identify any anomalies indicative of USTs or 55-gallon drums that might have been present at the Site. No other significant anomalies were identified during the survey.

3.3 Soil Probes

3.3.1 Protocol & Sampling Locations

A total of fifteen (15) soil probes were installed during the investigation. The soil probes were designated B-1 through B-15, consecutively. Soil probes B-1, B-9 and B-12 were installed in the northeastern portion of the Site. Soil probes B-11 and B-13 were installed in the southeastern portion of the Site. Soil probes B-2, B-8 and B-3 were installed in the northern portion of the Site. Soil probes B-7, B-10 and B-4 were installed in the central portion of the Site. Soil probes B-15 and B-5 were installed in the southwestern portion of the Site and soil probes B-6 and B-14 were installed in the southern portion of the Site.

Figure 2 provides the Sampling Plan.

Soil probes B-1 through B-15 were installed utilizing HTE's Geoprobe[®] 5410, which is mounted on a Ford F350. Both the Geoprobe[®] 5410 installs soil probes utilizing direct-push technology. Soil samples were collected in all probes utilizing a 4-foot long Macro Core sampler fitted with dedicated acetate liners. The Macro sampler allows for the collection of both continuous and of discrete soil samples. Each sampler was installed with 1½-inch diameter drill rods.

3.3.2 Field Characterization

Separate aliquots of each soil sample were placed into both airtight zip-lock bags and 8-ounce jars and appropriately labeled. The HTE geologist then characterized each soil sample in the field. The soil characterization consisted of determining the soil classification utilizing the Unified Soil Classification System and screening each sample for organic vapors utilizing a Photoionization Detector (PID).

A PID makes use of the principle of photoionization for the detection and qualitative measurement of organic vapors. A PID does not respond to all compounds similarly, rather, each compound has its own response factor relative to its calibration. For this investigation, the PID was calibrated to the compound isobutylene, which is published by the manufacturer. The PID has a minimum detection limit of 0.1 parts per million (ppm). This meter measures the hydrocarbon concentrations in isolated portions of the secured samples.

Headspace analyses was conducted on each soil sample by partially filling the zip lock bag and sealing it, thereby creating a void. This void is referred to as the sample headspace. To facilitate the detection of any hydrocarbons contained within the headspace, the container will be agitated for a period of 30 seconds. The probe of the PID will then be placed within the headspace to measure the organic vapors present. Soil probe logs were then generated based upon the soil characterization, along with the PID field screening.

The general soil type beneath the Site consists of dark brown medium grained sand with fill material such as bricks, ceramic tiles, organic material, pieces of wood and concrete. Olfactory evidence of petroleum constituents were identified during the field screening in soil samples B-2 and B-11 located in the southeastern and northern portion of the Site. Trace levels (54.1 ppm in B-2 and 42.5 ppm in B-11) of organic vapors were detected with the PID during the field screening of each sample. Additionally, elevated levels (1,335 ppm in B-11 and 481 ppm in B-2) of organic vapors were detected with the PID during the field screening of each sample.

Appendix C provides copies of the Soil Probe Logs.

Based upon the requirements set forth in the Work Plan, two (2) soil samples from each probe were containerized and analyzed at State-certified laboratory. The 6-8' intervals was samples in soil probes B-2 and B-11 due to elevated levels of PID readings (481 ppm to 1,335 ppm). Additionally, since no significant levels of organic vapors were identified in any of the remaining samples, those selected include directly below the surface and at the proposed building foundation depth of 10 feet below surface.

The samples intervals include the zero to 2 feet below grade and 6 to 8 feet below grade in soil probes B-2, B-3, B-6, B-11, B-13, B-14 and B-15 and 8 to 10 feet sample from B-1, B-4, B-5, B-7 through B-10 and B-12.

3.4 Groundwater Probes

3.4.1 Protocol and Sampling Locations

Three groundwater probes were installed at the Site. The groundwater probes were assigned the coordinating "GW" sampling designations. Groundwater probes GW-1, GW-9 and GW-12 were installed in the northeastern portion of the Site in the same locations as B-1, B-9 and B-12. The groundwater probes were installed in the northeastern portion of the Site, as per the June 26, 2006 NYCDEP letter. Groundwater probe designations GW-2 through GW-8, GW-10, GW-11 and GW-13 through GW-15 were not utilized in this subsurface investigation.

All three groundwater probes GW-1, GW-9 and GW-12 were installed utilizing HTE's Geoprobe[®] 5410, which is mounted on a Ford F350. The groundwater probe consists of a 4-foot long screen with a slot size of 0.020 inches. The screen was placed so that it bisected the water table, which was encountered at approximately 10 feet below grade.

3.4.2 Sampling

Groundwater sample was obtained utilizing an inertial pump consisting of a stainless steel check valve and ball. The inertial pump was fitted with dedicated polyethylene tubing, which allowed the groundwater to be brought up to the ground surface for collection. The groundwater sample was placed into 2 pre-cleaned 40-milliliter (mL) vials, 4 pre-cleaned 1 Liter amber glass bottles and 2 pre-cleaned 500 mL plastic container.

3.5 Laboratory Analyticals

All soil and groundwater samples were placed in a cooler filled with ice and maintained at 4 degrees Celsius. Each sample was transmitted under proper chain of custody procedures to a State-certified laboratory. All soil and groundwater samples were analyzed for volatile organic compounds (VOCs) via EPA Method 8260, semi-volatile organic compounds (SVOCs) via EPA Method 8270, Pesticides and Polychlorinated Biphenyls (PCBs) via EPA Method 8081/8082 and Target Analyte List (TAL) Metals (unfiltered only).

Appendix D contains the Laboratory Reports.

3.6 Decontamination Procedures

Each piece of sampling or other down hole equipment was decontaminated prior to each use in order to ensure that cross-contamination between sampling locations does not occur. The following procedure was utilized in the decontamination process:

- Wipe clean and wash with Alconox[®].
- Potable water rinse.
- Methanol rinse.
- Deionized water rinse.
- Air dry.

All decontamination procedures were performed in an area segregated from any sampling areas. Any rinsate from the decontamination area is contained and removed from the site.

3.7 Quality Assurance/Quality Control

All samples were properly handled and placed into the appropriate labeled containers. The samples were placed in a cooler filled with ice and maintained at a maximum 4 degrees Celsius. All samples were transmitted under proper chain of custody procedures to a State-certified (ELAP) laboratory for confirmatory laboratory analyses. All holding times were met. The laboratory did not report any irregularities with respect to their internal Quality Assurance/Quality Control.

4.0 ANALYTICAL DISCUSSION

4.1 Soil Quality

Table 1 provides the organic results for those compounds that were detected in the shallow soil samples (0 to 2 feet) and deep soil samples obtained from soil probes B-1 through B-15 at a concentration exceeding their respective method detection limits (MDL). Table 1 also provides a comparison of the analytical results to the Recommended Soil Cleanup Objective (RSCO) from NYSDEC Technical and Administrative Guidance Memorandum (TAGM) #4046. Concentrations reported in Table 1 are in micrograms per kilogram ($\mu\text{g}/\text{kg}$).

4.1.1 Shallow Samples

No individual VOCs were detected in any of the shallow soil samples at concentrations exceeding their respective laboratory method detection limit.

The total SVOC concentrations in the shallow soil samples range from 140 $\mu\text{g}/\text{kg}$ in B-4 to 143,862 $\mu\text{g}/\text{kg}$ in B-6. None of the total SVOC concentrations in shallow soil samples exceed the RSCO for total SVOC concentration of 500,000 $\mu\text{g}/\text{kg}$. With the exception of B-4, each of the shallow samples contain individual SVOCs at concentrations exceeding RSCOs.

The following individual SVOCs were detected in the shallow sample from B-1 at a concentration exceeding their respective RSCO:

B-1

<u>Compound</u>	<u>Concentration</u>	<u>RSCO</u>
Benzo(a) Anthracene	593 $\mu\text{g}/\text{kg}$	224 $\mu\text{g}/\text{kg}$ or MDL
Chrysene	602 $\mu\text{g}/\text{kg}$	400 $\mu\text{g}/\text{kg}$
Benzo (a) Pyrene	510 $\mu\text{g}/\text{kg}$	61 $\mu\text{g}/\text{kg}$

$\mu\text{g}/\text{kg}$...micrograms per kilogram

The following individual SVOCs were detected in the shallow sample from B-2 at a concentration exceeding their respective RSCO.

B-2

<u>Compound</u>	<u>Concentration</u>	<u>RSCO</u>
Benzo(a) Anthracene	1,630 $\mu\text{g}/\text{kg}$	224 $\mu\text{g}/\text{kg}$ or MDL
Chrysene	1,660 $\mu\text{g}/\text{kg}$	400 $\mu\text{g}/\text{kg}$
Benzo (a) Pyrene	1,460 $\mu\text{g}/\text{kg}$	61 $\mu\text{g}/\text{kg}$
Benzo (b) Fluoranthene	1,680 $\mu\text{g}/\text{kg}$	1,100 $\mu\text{g}/\text{kg}$

$\mu\text{g}/\text{kg}$...micrograms per kilogram

The following individual SVOCs were detected in the shallow sample from B-3 at a concentration exceeding their respective RSCO.

B-3

<u>Compound</u>	<u>Concentration</u>	<u>RSCO</u>
Benzo(a) Anthracene	368 µg/kg	224 µg/kg or MDL
Benzo (a) Pyrene	337 µg/kg	61 µg/kg

µg/kg...micrograms per kilogram

No SVOC were detected above regulatory standards in the shallow soil sample B-4.

The following individual SVOCs were detected in the shallow sample from B-5 at a concentration exceeding their respective RSCO.

B-5

<u>Compound</u>	<u>Concentration</u>	<u>RSCO</u>
Benzo(a) Anthracene	389 µg/kg	224 µg/kg or MDL
Chrysene	441 µg/kg	400 µg/kg
Benzo (a) Pyrene	336 µg/kg	61 µg/kg

µg/kg...micrograms per kilogram

The following individual SVOCs were detected in the shallow sample from B-6 at a concentration exceeding their respective RSCO.

B-6

<u>Compound</u>	<u>Concentration</u>	<u>RSCO</u>
Benzo(a) Anthracene	8,640 µg/kg	224 µg/kg or MDL
Chrysene	9,030 µg/kg	400 µg/kg
Benzo (a) Pyrene	7,520 µg/kg	61 µg/kg
Benzo (b) Fluoranthene	7,580 µg/kg	1,100 µg/kg
Benzo (k) Fluoranthene	4,850 µg/kg	1,100 µg/kg
Indeno (1,2,3-ccd) Pyrene	3,910 µg/kg	3,200 µg/kg

µg/kg...micrograms per kilogram

The following individual SVOCs were detected in the shallow sample from B-7 at a concentration exceeding their respective RSCO.

B-7

<u>Compound</u>	<u>Concentration</u>	<u>RSCO</u>
Benzo(a) Anthracene	1,010 µg/kg	224 µg/kg or MDL
Chrysene	1,180 µg/kg	400 µg/kg
Benzo (a) Pyrene	947 µg/kg	61 µg/kg

µg/kg...micrograms per kilogram

The following individual SVOCs were detected in the shallow sample from B-8 at a concentration exceeding their respective RSCO.

B-8

<u>Compound</u>	<u>Concentration</u>	<u>RSCO</u>
Benzo(a) Anthracene	630 µg/kg	224 µg/kg or MDL
Chrysene	767 µg/kg	400 µg/kg
Benzo (a) Pyrene	672 µg/kg	61 µg/kg

µg/kg...micrograms per kilogram

The following individual SVOCs were detected in the shallow sample from B-9 at a concentration exceeding their respective RSCO.

B-9

<u>Compound</u>	<u>Concentration</u>	<u>RSCO</u>
Benzo(a) Anthracene	1,780 µg/kg	224 µg/kg or MDL
Chrysene	1,830 µg/kg	400 µg/kg
Benzo (a) Pyrene	1,850 µg/kg	61 µg/kg
Benzo (b) Fluoranthene	1,860 µg/kg	1,100 µg/kg
Benzo (k) Fluoranthene	1,580 µg/kg	1,100 µg/kg

µg/kg...micrograms per kilogram

The following individual SVOCs were detected in the shallow sample from B-10 at a concentration exceeding their respective RSCO.

B-10

<u>Compound</u>	<u>Concentration</u>	<u>RSCO</u>
Benzo(a) Anthracene	900 µg/kg	224 µg/kg or MDL
Chrysene	1,070 µg/kg	400 µg/kg
Benzo (a) Pyrene	1,260 µg/kg	61 µg/kg
Benzo (b) Fluoranthene	1,680 µg/kg	1,100 µg/kg

µg/kg...micrograms per kilogram

The following individual SVOCs were detected in the shallow sample from B-11 at a concentration exceeding their respective RSCO.

B-11

<u>Compound</u>	<u>Concentration</u>	<u>RSCO</u>
Benzo(a) Anthracene	4,840 µg/kg	224 µg/kg or MDL
Chrysene	5,100 µg/kg	400 µg/kg
Benzo (a) Pyrene	8,690 µg/kg	61 µg/kg
Benzo (b) Fluoranthene	3,660 µg/kg	1,100 µg/kg
Benzo (k) Fluoranthene	3,110 µg/kg	1,100 µg/kg
Indeno (1,2,3-ccd) Pyrene	3,460 µg/kg	3,200 µg/kg

µg/kg...micrograms per kilogram

The following individual SVOCs were detected in the shallow sample from B-12 at a concentration exceeding their respective RSCO.

B-12

<u>Compound</u>	<u>Concentration</u>	<u>RSCO</u>
Benzo(a) Anthracene	3,940 µg/kg	224 µg/kg or MDL
Chrysene	3,880 µg/kg	400 µg/kg
Benzo (a) Pyrene	4,070 µg/kg	61 µg/kg
Benzo (b) Fluoranthene	4,130 µg/kg	1,100 µg/kg
Benzo (k) Fluoranthene	3,680 µg/kg	1,100 µg/kg

µg/kg...micrograms per kilogram

The following individual SVOCs were detected in the shallow sample from B-13 at a concentration exceeding their respective RSCO.

B-13

<u>Compound</u>	<u>Concentration</u>	<u>RSCO</u>
Benzo(a) Anthracene	1,020 µg/kg	224 µg/kg or MDL
Chrysene	963 µg/kg	400 µg/kg
Benzo (a) Pyrene	894 µg/kg	61 µg/kg
Benzo (b) Fluoranthene	1,620 µg/kg	1,100 µg/kg

µg/kg...micrograms per kilogram

The following individual SVOCs were detected in the shallow sample from B-14 at a concentration exceeding their respective RSCO.

B-14

<u>Compound</u>	<u>Concentration</u>	<u>RSCO</u>
Benzo(a) Anthracene	1,460 µg/kg	224 µg/kg or MDL
Chrysene	1,570 µg/kg	400 µg/kg
Benzo (a) Pyrene	1,250 µg/kg	61 µg/kg
Benzo (b) Fluoranthene	1,350 µg/kg	1,100 µg/kg

µg/kg...micrograms per kilogram

The following individual SVOCs were detected in the shallow sample from B-15 at a concentration exceeding their respective RSCO.

B-15

<u>Compound</u>	<u>Concentration</u>	<u>RSCO</u>
Benzo(a) Anthracene	540 µg/kg	224 µg/kg or MDL
Chrysene	612 µg/kg	400 µg/kg
Benzo (a) Pyrene	481 µg/kg	61 µg/kg

µg/kg...micrograms per kilogram

No other compounds were detected in the remaining shallow samples at a concentration exceeding their respective RSCO.

No Pesticides or PCBs were detected in any of the shallow soil samples collected from B-1 through B-15 at concentrations exceeding their respective laboratory MDL.

Table 2 provides the TAL Metals detected in the shallow samples (zero to 2 feet) at concentrations greater than their respective MDL. Table 2 also provides a comparison to each compound's respective RSCO and Eastern USA Background (EUB) levels provided by TAGM #4046. The concentrations reported in Table 2 are in milligrams per kilogram (mg/kg).

Arsenic was detected in B-2 (100 mg/kg), B-3 (28.2 mg/kg), B-6 (27.3 mg/kg), B-7 (13.5 mg/kg), B-10 (31.7 mg/kg), B-11 (27.9 mg/kg) and B-12 (27.4 mg/kg) at concentrations greater than both its RSCO and EUB.

Cadmium was detected in B-1 (3.98 mg/kg), B-2 (10.5 mg/kg), B-3 (4.39 mg/kg), B-4 (1.73 mg/kg), B-5 (1.94 mg/kg) B-6 (5.97), B-7 (3.47 mg/kg), B-8 (5.62 mg/kg), B-9 (2.39 mg/kg), B-10 (1.92 mg/kg), B-11 (4.95 mg/kg), B-12 (4.40 mg/kg), B-13 (2.03 mg/kg), B-14 (2.18 mg/kg), B-15 (3.01 mg/kg) at concentrations greater than both its RSCO and EUB.

Copper was detected in B-1 (50.3 mg/kg), B-2 (219 mg/kg), B-3 (72.5 mg/kg), B-5 (52.4 mg/kg), B-6 (95.0 mg/kg), B-7 (137 mg/kg), B-8 (139 mg/kg), B-9 (81.6 mg/kg), B-10 (204 mg/kg), B-11 (1,150 mg/kg), B-12 (307 mg/kg), B-15 (67.8/ mg/kg) at concentrations exceeding both its RSCO and EUB.

Lead was detected in B-2 (1,090 mg/kg), B-3 1,360 mg/kg), B-6 (1,600 mg/kg), B-7 (999 mg/kg), B-8 (721 mg/kg), B-11 (2,550 mg/kg), B-12 (867 mg/kg) and B-15 (577 mg/kg) at concentrations exceeding both its RSCO and EUB.

Magnesium was detected in B-3 (7,390 mg/kg) and B-11 (7,980 mg/kg) at concentration exceeding both its RSCO and EUB.

Mercury was detected in B-1 (0.256 mg/kg), B-2 (5.31 mg/kg), B-3 (1.92 mg/kg), B-4 (0.221 mg/kg), B-10 (0.479 mg/kg), B-11 (2.12 mg/kg), B-12 (1.84 mg/kg), B-13 (1.49 mg/kg), B-14 (0.648 mg/kg) and B-15 (5.64 mg/kg) at concentrations greater than both its RSCO and EUB.

Nickel was detected in B-11 (28.5 mg/kg) and B-12 (42.2 mg/kg) at concentrations exceeding both its RSCO and EUB.

Zinc was detected in B-1 (404 mg/kg), B-2 (1,440 mg/kg), B-3 (936 mg/kg), B-4 (39.6 mg/kg), B-5 (510 mg/kg), B-6 (384 mg/kg), B-7 (781 mg/kg), B-8 (487 mg/kg), B-9 (189 mg/kg), B-10 (117 mg/kg), B-11 (841 mg/kg), B-12 (471 mg/kg), B-13 (240 mg/kg), B-14 (303 mg/kg) and B-15 (174 mg/kg) at a concentration greater than both its RSCO and EUB.

No other metals were detected in the shallow samples obtained from the remaining soil samples (B-1 through B-15) at concentrations greater than either their respective RSCO or EUB.

4.1.2 Deep Samples

No VOCs were detected in any of the deep soil samples obtained from B-1 through B-15 at concentrations exceeding their respective laboratory MDL.

The total SVOC concentration in the deep samples ranges from 192 µg/kg in B-10 to 41,688 µg/kg in B-15. None of the total SVOC concentrations exceed the RSCO for total SVOCs of 500,000 µg/kg.

The following individual SVOCs were detected in the deep sample from B-1 at a concentration exceeding their respective RSCO.

B-1

<u>Compound</u>	<u>Concentration</u>	<u>RSCO</u>
Benzo (a) Pyrene <i>µg/kg...micrograms per kilogram</i>	179 µg/kg	61 µg/kg

The following individual SVOCs were detected in the deep sample from B-2 at a concentration exceeding their respective RSCO.

B-2

<u>Compound</u>	<u>Concentration</u>	<u>RSCO</u>
Benzo(a) Anthracene	585 µg/kg	224 µg/kg or MDL
Chrysene	690 µg/kg	400 µg/kg
Benzo (a) Pyrene <i>µg/kg...micrograms per kilogram</i>	545 µg/kg	61 µg/kg

The following individual SVOCs were detected in the deep sample from B-3 at a concentration exceeding their respective RSCO.

B-3

<u>Compound</u>	<u>Concentration</u>	<u>RSCO</u>
Benzo(a) Anthracene	357 µg/kg	224 µg/kg or MDL
Benzo (a) Pyrene <i>µg/kg...micrograms per kilogram</i>	373 µg/kg	61 µg/kg

The following individual SVOCs were detected in the deep sample from B-4 at a concentration exceeding their respective RSCO.

B-4

<u>Compound</u>	<u>Concentration</u>	<u>RSCO</u>
Benzo(a) Anthracene	257 µg/kg	224 µg/kg or MDL
Benzo (a) Pyrene <i>µg/kg...micrograms per kilogram</i>	237 µg/kg	61 µg/kg

The following individual SVOCs were detected in the deep sample from B-6 at a concentration exceeding their respective RSCO.

B-6

<u>Compound</u>	<u>Concentration</u>	<u>RSCO</u>
Benzo(a) Anthracene	333 µg/kg	224 µg/kg or MDL
Benzo (a) Pyrene <i>µg/kg...micrograms per kilogram</i>	307 µg/kg	61 µg/kg

The following individual SVOCs were detected in the deep sample from B-8 at a concentration exceeding their respective RSCO.

B-8

<u>Compound</u>	<u>Concentration</u>	<u>RSCO</u>
Benzo(a) Anthracene	392 µg/kg	224 µg/kg or MDL
Benzo (a) Pyrene <i>µg/kg...micrograms per kilogram</i>	308 µg/kg	61 µg/kg

The following individual SVOCs were detected in the deep sample from B-12 at a concentration exceeding their respective RSCO.

B-12

<u>Compound</u>	<u>Concentration</u>	<u>RSCO</u>
Benzo(a) Anthracene	301 µg/kg	224 µg/kg or MDL
Benzo (a) Pyrene <i>µg/kg...micrograms per kilogram</i>	344 µg/kg	61 µg/kg

The following individual SVOCs were detected in the deep sample from B-13 at a concentration exceeding their respective RSCO.

B-13

<u>Compound</u>	<u>Concentration</u>	<u>RSCO</u>
Benzo(a) Anthracene	468 µg/kg	224 µg/kg or MDL
Chrysene	498 µg/kg	400 µg/kg
Benzo (a) Pyrene <i>µg/kg...micrograms per kilogram</i>	413 µg/kg	61 µg/kg

The following individual SVOCs were detected in the deep sample from B-14 at a concentration exceeding their respective RSCO.

B-14

<u>Compound</u>	<u>Concentration</u>	<u>RSCO</u>
Benzo(a) Anthracene	452 µg/kg	224 µg/kg or MDL
Chrysene	520 µg/kg	400 µg/kg
Benzo (a) Pyrene	379 µg/kg	61 µg/kg

µg/kg...micrograms per kilogram

The following individual SVOCs were detected in the deep sample from B-15 at a concentration exceeding their respective RSCO.

B-15

<u>Compound</u>	<u>Concentration</u>	<u>RSCO</u>
Benzo(a) Anthracene	3,140 µg/kg	224 µg/kg or MDL
Chrysene	3,240 µg/kg	400 µg/kg
Benzo (a) Pyrene	3,430 µg/kg	61 µg/kg
Benzo (b) Fluoranthene	3,760 µg/kg	1,100 µg/kg
Benzo (k) Fluoranthene	2,760 µg/kg	1,100 µg/kg

µg/kg...micrograms per kilogram

No other SVOCs were detected in the remaining deep samples (B-5, B-7, B-9, B-10 and B-11) at a concentration exceeding their respective RSCO.

No Pesticides or PCBs were detected in any the deep soil samples collected from B-1 through B-15 at concentrations exceeding their respective laboratory MDL.

Table 2 indicates that Arsenic, Cadmium, Copper, Lead, Magnesium, Mercury, Nickel and Zinc were detected in all deep soil samples at concentrations exceeding both its RSCO and EUB.

Arsenic was detected in B-2 (12.5 mg/kg) and B-12 (97.9 mg/kg) at concentrations greater than both its RSCO and EUB.

Barium was detected in B-15 (808 mg/kg) at concentrations greater than both its RSCO and EUB.

Cadmium was detected in B-1 (3.19 mg/kg), B-2 (2.33 mg/kg), B-3 (2.62 mg/kg), B-4 (1.84 mg/kg), B-5 (2.45 mg/kg) B-6 (1.99 mg/kg), B-7 (2.84 mg/kg), B-8 (2.24 mg/kg), B-9 (2.77 mg/kg), B-10 (2.03 mg/kg), B-11 (2.05 mg/kg), B-12 (2.87 mg/kg), B-13 (2.48 mg/kg), B-14 (2.81 mg/kg), B-15 (14.8 mg/kg) at concentrations greater than both its RSCO and EUB.

Calcium was detected in B-9 (42,800 mg/kg) at concentrations greater than both its RSCO and EUB.

Chromium was detected in B-1 (47.5 mg/kg) at concentrations greater than both its RSCO and EUB.

Copper was detected in B-1 (81.8 mg/kg), B-2 (1,420 mg/kg), B-14 (131 mg/kg) and B-15 (394 mg/kg) at concentrations exceeding both its RSCO and EUB.

Lead was detected in B-14 (766 mg/kg) and B-15 (2,930 mg/kg) at concentrations exceeding both its RSCO and EUB.

Magnesium was detected in B-6 (5,700 mg/kg) and B-9 (7,290 mg/kg) at concentration exceeding both its RSCO and EUB.

Mercury was detected in B-1 (0.754 mg/kg), B-2 (15.3 mg/kg), B-3 (0.748 mg/kg), B-4 (1.21 mg/kg), B-11 (0.299 mg/kg), B-12 (1.78 mg/kg), B-13 (1.43 mg/kg), B-14 (0.800 mg/kg) and B-15 (2.55 mg/kg) at concentrations greater than both its RSCO and EUB.

Nickel was detected in B-4 (35.5 mg/kg) and B-14 (42.4 mg/kg) at concentrations exceeding both its RSCO and EUB.

Zinc was detected in B-1 (268 mg/kg), B-2 (155 mg/kg), B-3 (88.8 mg/kg), B-4 (435 mg/kg), B-5 (295 mg/kg), B-6 (303 mg/kg), B-7 (262 mg/kg), B-8 (456 mg/kg), B-9 (57.4 mg/kg), B-10 (146 mg/kg), B-11 (141 mg/kg), B-12 (55.1 mg/kg), B-14 (802 mg/kg) and B-15 (1,220 mg/kg) at a concentration greater than both its RSCO and EUB.

No other metals were detected in the deep samples obtained from the remaining soil samples (B-1 through B-15) at concentrations greater than either their respective RSCO or EUB.

4.2 Groundwater Quality

4.2.1 Organic Compounds

Table 3 provides the organic compounds which were detected in the groundwater samples obtained from GW-1, GW-9 and GW-12 at a concentrations exceeding their respective MDL. Table 3 also provides a comparison of the results to each compound's Groundwater Quality Standard (GQS) from NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1. entitled Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. The concentrations reported in Table 3 are in micrograms/liter ($\mu\text{g/L}$).

As Table 3 indicates no VOCs, SVOC, Pesticides or PCBs were detected in the groundwater samples at concentrations exceeding their respective TOGS 1.1.1 Standard.

4.2.2 Inorganic Compounds

Table 4 provides the TAL Metals detected in the groundwater samples from GW-1, GW-9 and GW-12 at concentrations greater than their MDLs. Table 4 also provides a comparison of the results to each compound's GQS from NYSDEC TOGS 1.1.1. The concentrations reported in Table 4 are in milligrams per liter (mg/L).

As Table 4 indicates Mercury was detected in all three groundwater samples GW-1 (49.5 mg/L), GW-9 (99.5 mg/l) and GW-12 (242 mg/l) at concentrations exceeding their TOGS 1.1.1.

5.0 DISCUSSION OF RESULTS

5.1 Soil Results

Volatile Organic Compounds

No shallow or deep soil beneath the Site contains VOCs at levels exceeding TAGM #4046 Standards.

Semi-Volatile Organic Compounds

Shallow soil throughout the Site contains SVOCs at concentrations exceeding their respective TAGM #4046 Standards. This is evidenced by the results of soil samples B-1, B-2, B-3 and B-5 through B-15. These SVOCs consist of Benzo (a) Anthracene, Chrysene and Benzo (a) Pyrene, Benzo (b) Fluoranthene, Benzo (k) Fluoranthene and Indeno (1,2,3-cd) Pyrene.

Furthermore, deeper soil beneath the northeastern, southeastern, northern, central, southwestern and southern portions of the former loading dock also contains SVOCs at concentrations exceeding their respective TAGM #4046 Standards, as evidenced by the results of soil sample B-1 through B-4, B-6, B-8 and B-12 through B-15. These SVOCs consist of Benzo (a) Anthracene, Chrysene and Benzo (a) Pyrene, Benzo (b) Fluoranthene and Benzo (k) Fluoranthene.

The SVOCs in both the shallow and deep soil can be more specifically classified as Polycyclic Aromatic Hydrocarbons, or PAHs. The levels of PAHs are not indicative of an on-going or recent release of petroleum. They may be related to fill material present at the Site as evidenced by all 15 soil probes, which note fine grained black sand with fill material such as brick, ceramic tiles, cement and wood fragments.

Additionally, the soil beneath the northern and northeastern portions of the Site in soil probes B-2 and B-12 contains detectable levels of organic vapors as evidenced by the PID readings but no VOCs were noted. The shallow soil contains more SVOCs than deeper soil, which is a typical characteristic of urban fill material.

Pesticides/PCBs

No PCBs or Pesticides were detected in any of the shallow or deep soil samples obtained from B-1 through B-15 at concentrations exceeding their respective TAGM #4046 Standards.

Total Metals

Shallow and deep soil beneath the northeastern, southeastern, northern, central, southwestern and southern portions of the Site contains arsenic, barium, cadmium, calcium, chromium, copper, lead magnesium, mercury, nickel and zinc at concentrations exceeding their respective TAGM #4046 Standards as evidenced by B-1 through B15. It appears that metal concentrations mentioned above are present in fill material that is present in this area rather than a former or current release. No visual evidence of any of the metals was identified in the soil samples.

5.2 Groundwater Results

Volatile Organic Compounds

No VOCs were detected in the groundwater at a concentration greater than its respective GQS from TOGS 1.1.1.

Semi-Volatile Organic Compounds

No SVOCs were detected in the groundwater at a concentration greater than its respective GQS from TOGS 1.1.1.

Pesticides/PCBs

The groundwater results further indicate that no Pesticides or PCBs are present in the groundwater at concentrations exceeding their respective GQS.

Total Metals

Mercury was detected in the groundwater at concentrations exceeding its respective GQS.

6.0 CONCLUSIONS

Based on the information and data presented above, the following conclusions are provided with respect to the aforementioned RECs:

- The field portion of HTE's investigation consisted of the performance of the GPR Survey and the installation and sampling of soil and groundwater probes. All field work was performed in accordance with NYCDEP approved revised Work Plan and applicable federal, state and local regulations. Select soil and groundwater samples were analyzed at a state-certified laboratory for VOCs, SVOCs, Pesticides, PCBs and TAL Metals.
- Concentrations of SVOCs exceeding regulatory standards were identified to a minimum depth of 10 feet bgs throughout the Site. These concentrations are most likely related to the presence of urban fill material found throughout the Site.
- No VOCs, SVOCs, Pesticides or PCS were detected in the groundwater samples exceeding regulatory standards.
- The overall metal concentrations in the soil are indicative of fill material that was historically utilized at the Site.
- Levels of mercury were identified in the groundwater at concentrations exceeding regulatory standards.

7.0 RECOMMENDATIONS

Based upon the conclusions put forth in this report, the following recommendations are provided:

- The report should be provided to the NYCDEP OEPA for their review and comment.

8.0 REFERENCES

1. Standard Practice for Environmental Site Assessments: Phase II Environmental Site Assessment Process, ASTM E 1527-05, American Society for Testing and Materials, West Conshohocken, PA.
2. Principals of Groundwater Engineering, William C. Walton, Lewish Publishers, Inc, 1991.
3. The Long Island Ground Water Pollution Study, New York State Department of Environmental Conservation, 1972
4. *Geochemical traverse across Cameron's Line, Boro Hall Park, Bronx, New York*, Cadmus, D., Hodgen, R., Gatto, L.M., and Puffer, J.II., Geology Department, Rutgers University, Newark, NJ.
5. *Drainage History of the New York City Region*, Sanders, John E., Geology Department, Hofstra University.
6. NYDEC DER-10 Technical Guidance for Site Investigation and Remediation, December 2002.
7. Investigation Work Plan & Health and Safety Plan, 264 North 10th Street, 236-258 North 10th Street, 543 Union Avenue and 249 North 9th Street, Brooklyn, New York Hydro Tech Environmental, May 15th, 2006.
8. Numerous correspondences with New York City Department of Environmental Protection.
9. New York State Department of Environmental Conservation Technical and Administrative Guidance Memorandum #4046, Determination of Soil Cleanup Objectives and Cleanup Levels, January 24, 1994.

9.0 EXCLUSIONS & DISCLAIMER

The observations described in this report were made under the conditions stated therein. The conclusions presented in the report were based solely upon the services described therein, and not on scientific tasks or procedures beyond the scope of described services or the time and budgetary constraints imposed by the Client.

In preparing this report, Hydro Tech Environmental, Corp. may have relied on certain information provided by state and local officials and other parties referenced therein, and on information contained in the files of state and/or local agencies available to Hydro Tech Environmental, Corp. at the time of the subject property assessment. Although there may have been some degree of overlap in the information provided by these various sources, Hydro Tech Environmental, Corp. did not attempt to independently verify the accuracy or completeness of all information reviewed or received during the course of this subject property assessment.

Observations were made of the subject property and of structures on the subject property as indicated within the report. Where access to portions of the subject property or to structures on the subject property was unavailable or limited, Hydro Tech Environmental, Corp. renders no opinion as to the presence of non-hazardous or hazardous materials, or to the presence of indirect evidence relating to a non hazardous or hazardous materials, in that portion of the subject property or structure. In addition, Hydro Tech Environmental, Corp. renders no opinion as to the presence of hazardous materials, or the presence of indirect evidence relating to hazardous materials, where direct observation of the interior walls, floors, or ceiling of a structure on a subject property was obstructed by objects or coverings on or over these surfaces.

Hydro Tech Environmental, Corp. did not perform testing or analyses to determine the presence or concentration of asbestos at the subject property or in the environment of the subject property under the scope of the services performed.

The conclusions and recommendations contained in this report are based in part, where noted, upon the data obtained from a limited number of soil samples obtained from widely spaced subsurface explorations. The nature and extent of variations between these explorations may not become evident until further exploration. If variations or other latent conditions then appear evident, it will be necessary to reevaluate the conclusions and recommendations of this report.

Any water level reading made in test pits, borings, and/or observation wells were made at the times and under the conditions stated in the report. However, it must be noted that fluctuations in the level of groundwater may occur due to variations in rainfall and other factors different from those prevailing at the time measurements were made.

Except as noted within the text of the report, no qualitative laboratory testing was performed as part of the subject property assessment. Where such analyses have been conducted by an outside laboratory, Hydro Tech Environmental, Corp. has relied upon the data provided, and has not conducted an independent evaluation of the reliability of the data.

The conclusions and recommendations contained in this report are based in part, where noted, upon various types of chemical data and are contingent upon their validity. The data have been reviewed and interpretations were made in the report. As indicated within the report, some of the data may be preliminary "screening" level data, and should be confirmed with quantitative analyses if more specific information is necessary. Moreover, it should be noted that variations in the types and concentrations of contaminants and variations in their flow paths may occur due to seasonal water table fluctuations, past disposal practices, the passage of time, and other factors. Should additional chemical data become available in the future, the data should be reviewed, and the conclusions and recommendations presented herein modified accordingly.

Chemical analyses have been performed for specific constituents during the course of this subject property assessment, as described in the text. However, it should be noted that additional chemical constituents not searched for during the current study may be present in soil and/or groundwater at the subject property.

Any GPR survey described above was performed in accordance with good commercial and customary practice and generally accepted protocols within the consulting industry. Hydro Tech Environmental, Corp. does not accept responsibility for survey limitations due to inherent technological limitations or site specific conditions, however, made appropriate effort to identify and notify the client of such limitations and conditions. In particular, please note that the survey described above does not represent a full utility clearance survey, and does not relieve any party of applicable legal obligations to notify a utility one-call service prior to excavating or drilling.

**FIGURE 1
SITE PLAN**

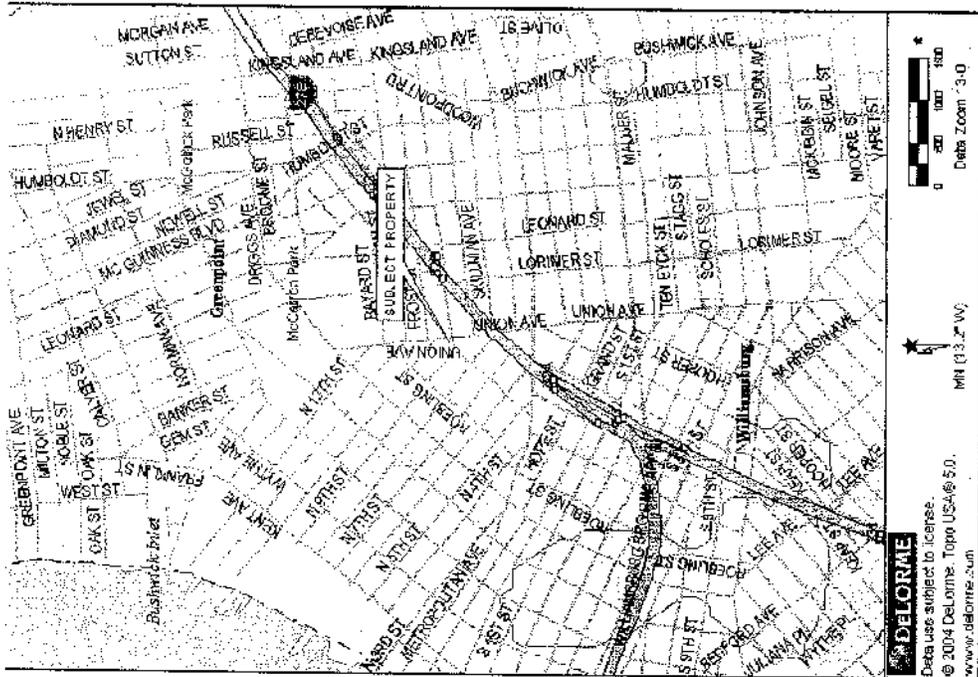
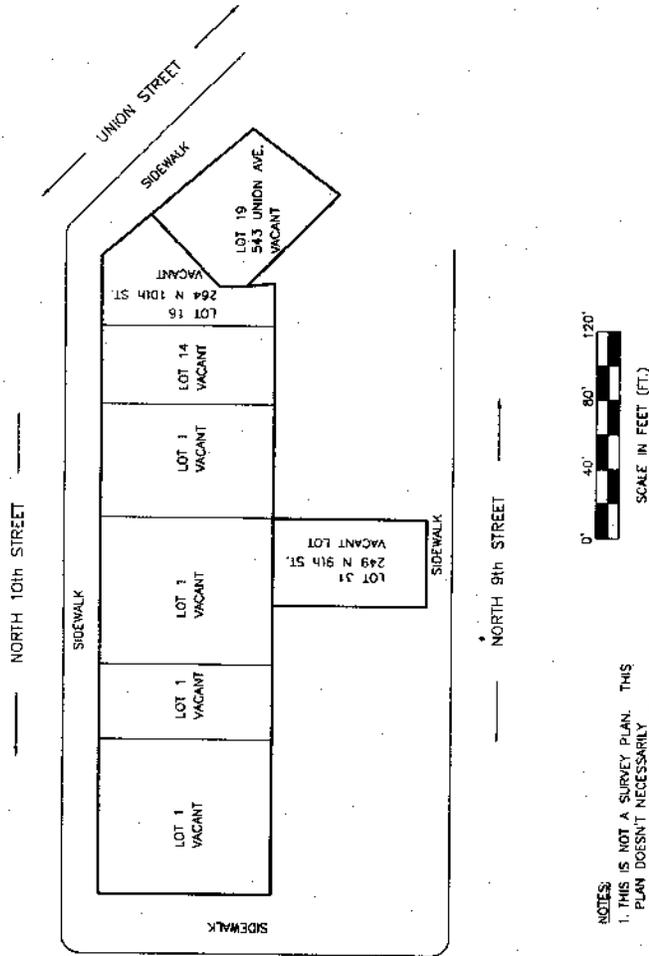


FIGURE 1: SITE PLAN



NOTES:
 1. THIS IS NOT A SURVEY PLAN. THIS PLAN DOESN'T NECESSARILY REFLECT EXISTING SITE CONDITIONS ACCURATELY.

TITLE:

Drawn By:	J.P.
Reviewed By:	M.R.
Approved By:	M.S.
Date:	08-10-08
Scale:	1"=30'

258 & 264 N 10th St.,
 249 N 9th St.,
 543 Union Ave.
 Brooklyn, New York

HYDRATECH ENVIRONMENTAL CORP.
 NYC OFFICE
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 COMMACK, NEW YORK 11725
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 www.hydratechenvironmental.com



**FIGURE 2
SAMPLING PLAN**

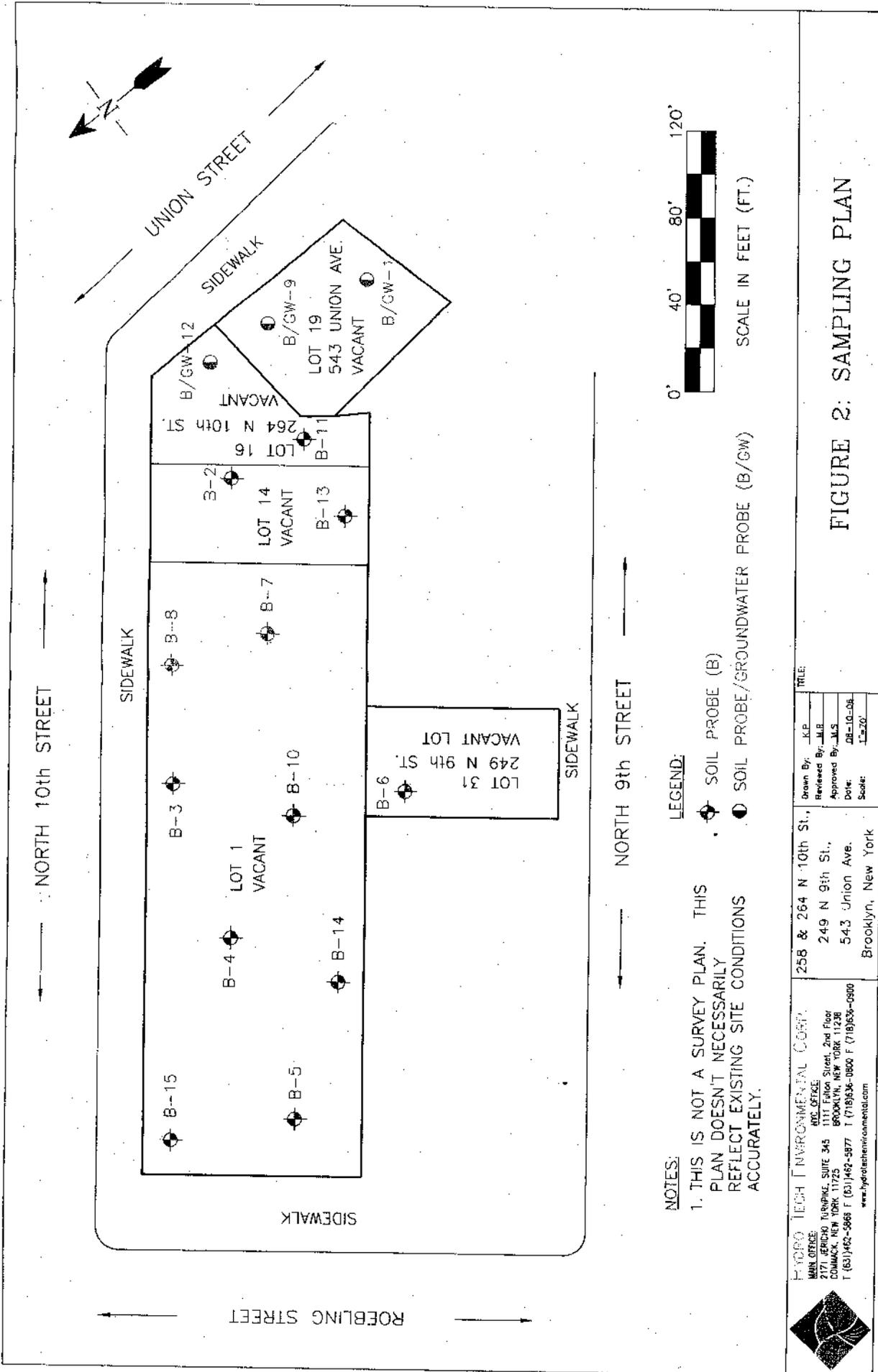


FIGURE 2: SAMPLING PLAN



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 249 N 9th St.,
 543 Union Ave.
 Brooklyn, New York

Drawn By: K.P.	TITLE:
Reviewed By: M.B.	
Approved By: J.S.	
Date: 08-10-08	
Scale: 1"=20'	

FIGURE 3
SVOC SOIL CONTAMINATION DIAGRAM (SHALLOW)

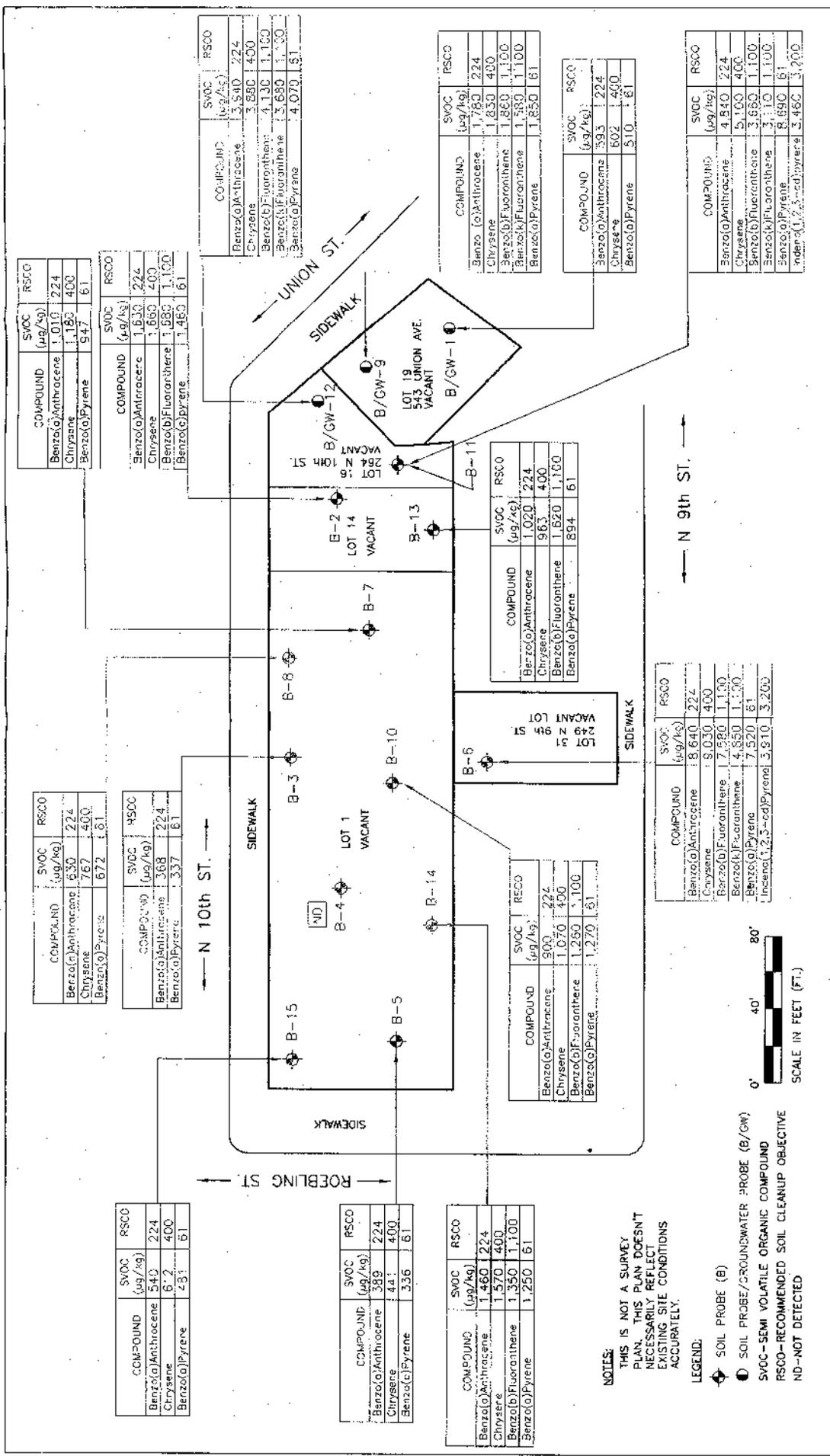


FIGURE 3: SVOC CONTAMINATION IN SOIL (SHALLOW)

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SCALE IN FEET (FT.)
 0' 40' 80'

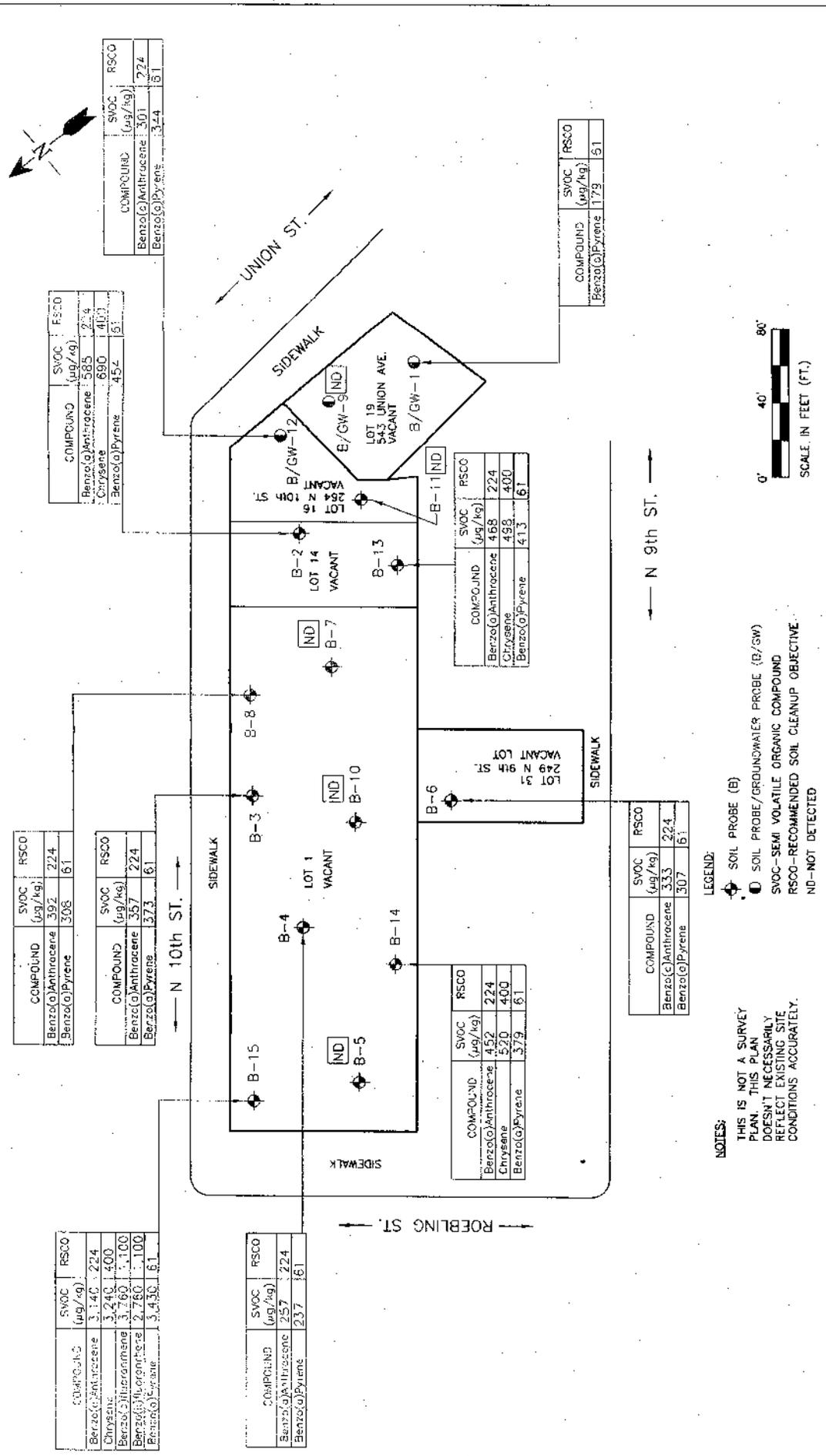
NOTES:
 THIS IS NOT A SURVEY PLAN. THIS PLAN DOES NOT NECESSARILY REFLECT EXISTING SITE CONDITIONS ACCURATELY.

LEGEND:
 ● SOIL PROBE (B)
 ○ SOIL PROBE/GROUNDWATER PROBE (B/GW)
 SVOC-SEMI VOLATILE ORGANIC COMPOUND
 RSCC-RECOMMENDED SOIL CLEANUP OBJECTIVE
 ND-NOT DETECTED

Drawn By: J.P.
Reviewed By: J.M.R.
Approved By: J.M.S.
Date: 08-12-06
Scale: 1"=50'

258 & 264 N 10th St.,
249 N 9th St.,
543 Union Ave.,
Brooklyn, New York

FIGURE 4
SVOC SOIL CONTAMINATION DIAGRAM (DEEP)



NOTES:
 THIS IS NOT A SURVEY PLAN. THIS PLAN DOESN'T NECESSARILY REFLECT EXISTING SITE CONDITIONS ACCURATELY.

LEGEND:
 ● SOIL PROBE (B)
 ○ SOIL PROBE/GROUNDWATER PROBE (B/GW)
 SVOC-SEMI VOLATILE ORGANIC COMPOUND
 RSCC-RECOMMENDED SOIL CLEANUP OBJECTIVE
 ND-NOT DETECTED

Scale: 0' 40' 80'
 SCALE IN FEET (FT.)

Map Labels: ROEBLING ST., N 10th ST., N 9th ST., UNION ST., SIDEWALK, LOT 1 VACANT, LOT 14 VACANT, LOT 19 VACANT, LOT 21 VACANT, LOT 24 VACANT, LOT 29 VACANT, LOT 31 VACANT, LOT 34 VACANT, LOT 35 VACANT, B-1 through B-15, B/GW-1 through B/GW-12.

Table 8: SVOC and RSCC Data (Bottom Right)

COMPOUND	SVOC (ug/kg)	RSCC
Benzo(a)Anthracene	257	224
Benzo(e)Pyrene	237	61



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 Brooklyn, New York

Drawn By: J.K.P.
Reviewed By: M.R.
Approved By: M.S.
Date: 08-12-08
Scale: 1"=50'

FIGURE 4: SVOC CONTAMINATION IN SOIL (DEEP)

TABLE 1
SOIL SAMPLE ORGANIC ANALYTICAL RESULTS (SHALLOW)

TABLE 2
SOIL SAMPLE ORGANIC ANALYTICAL RESULTS (DEEP)

TABLE 3
SOIL SAMPLE INORGANIC ANALYTICAL RESULTS (SHALLOW)

Table 3
Soil Samples Inorganic Shallow Analytical Results
264 North 10th Street, Brooklyn, NY

Sample Identification	1	3	5	7	9	11	13	15	17	19	21	23	25	27	29	NYSDEC TAGM #4046 Eastern USA Site Background (mg/kg)
Sample Location	B-1	B-2	B-3	B-4	B-5	B-6	B-7	B-8	B-9	B-10	B-11	B-12	B-13	B-14	B-15	
Sample Depth	0-2'	0-2'	0-2'	0-2'	0-2'	0-2'	0-2'	0-2'	0-2'	0-2'	0-2'	0-2'	0-2'	0-2'	0-2'	
Sample Date	7/17/2006	7/13/2006	7/19/2006	7/19/2006	7/19/2006	7/19/2006	7/14/2006	7/14/2006	7/17/2006	7/19/2006	7/14/2006	7/17/2006	7/14/2006	7/19/2006	7/19/2006	
Sample Matrix	Soil Metals															
Units	mg/kg															
Aluminum	15,700	10,800	8,270	10,000	6,490	11,000	11,400	8,250	8,940	13,900	11,800	8,790	10,500	9,120	5,820	33,000
Antimony	2.36	5.36	7.28	2.12	1.72	6.60	9.44	17.3	2.13	1.86	9.89	5.15	1.30	2.31	3.04	N/A
Arsenic	ND	100	23.2	ND	4.58	27.3	13.5	ND	8.38	31.7	27.9	27.4	5.04	1.12	5.17	3 to 12
Barium	442	402	637	41.5	170	285	180	368	146	99.2	290	403	172	148	178	15 to 600
Beryllium	0.427	0.513	0.322	0.380	0.320	0.364	0.415	0.268	0.328	0.546	0.882	0.455	0.459	0.472	0.262	0 to 1.75
Cadmium	3.98	10.5	4.39	1.73	1.94	5.97	3.47	5.62	2.39	1.92	4.95	4.40	2.03	2.18	3.01	1 or SB
Calcium	15,501	13,600	18,900	1,680	2,800	5,580	25,000	9,270	30,900	17,900	40,800	32,900	4,780	7,580	10,300	SB
Chromium	19.7	27.6	17.6	15.7	15.2	23.7	24.4	17.6	23.1	20.7	30.7	26.2	19.3	21	14.6	10 or SB
Cobalt	6.92	10.5	7.11	6.49	6.17	8.99	7.97	6.83	11	5.19	7.44	10.5	6.47	6.90	6.58	25 to 60
Copper	50.3	219	72.5	17.9	52.4	95.0	137	139	81.6	204	1,150	307	39.7	33	67.8	25 or SB
Iron	26,700	48,300	26,000	19,100	19,100	47,600	20,800	51,500	19,000	15,500	24,000	30,800	18,600	25,600	30,400	2,000 to 550,000
Lead	287	1,090	1,360	36.2	363	1,600	999	721	376	201	2,550	867	198	145	877	200 to 300 ppm
Magnesium	4,170	3,510	7,390	2,590	1,880	2,450	4,760	2,910	4,020	2,000	7,980	4,050	2,520	2,480	1,960	100 to 3,000
Manganese	229	476	2,300	480	224	761	426	1,200	260	149	995	283	296	418	402	50 to 50,000
Mercury	0.256	5.31	3.92	0.221	2.06	1.55	2.06	1.42	0.504	0.479	2.12	1.84	1.49	0.648	5.64	0.01 to 0.2
Nickel	15.8	22.1	19.4	12.2	14.3	19	18.1	15	17.2	15.5	28.5	42.2	12.8	12.3	12.3	13 or SB
Potassium	282	317	1,090	1,410	983	1,490	1,240	1,510	1,830	1,300	1,350	1,420	776	980	796	8,500 to 43,000
Selenium	ND	1.49	0.865	ND	ND	ND	2 or SB									
Silver	ND	N/A														
Sodium	23.6	70	49.8	34.7	24.4	40.3	145	121	210	53.2	134	197	33.2	26.4	119	6,000 to 8,000
Thallium	ND	N/A														
Vanadium	25.8	38.7	31.6	25.9	23.6	36.2	27.2	28.8	24.3	25.5	67.6	24.8	26.6	35.6	21.2	150 or SB
Zinc	404	1,440	936	39.6	510	384	781	487	189	117	841	471	240	303	174	20 or SB

ND...not detected

mg/kg...milligrams per kilogram

SB...Site Background

Shaded values represent concentration exceeding Eastern USA Background

N/A...not available

TABLE 4
SOIL SAMPLE INORGANIC ANALYTICAL RESULTS (DEEP)

Table 4
Soil Samples Inorganic Deep Analytical Results
264 North 10th Street, Brooklyn, New York

Sample Identification	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	NYSDEC TAGM #4046 Recommended Soil Cleanup Objectives (mg/kg)	NYSDEC TAGM #4046 Eastern USA Site Background (mg/kg)
Sample Location	B-1	B-2	B-3	B-4	B-5	B-6	B-7	B-8	B-9	B-10	B-11	B-12	B-13	B-14	B-15		
Sample Depth	8-10"	6-8"	6-8"	8-10"	8-10"	6-8"	8-10"	8-10"	8-10"	8-10"	6-8"	8-10"	6-8"	6-8"	6-8"		
Sample Date	7/17/2006	7/14/2006	7/19/2006	7/19/2006	7/19/2006	7/19/2006	7/14/2006	7/14/2006	7/17/2006	7/19/2006	7/14/2006	7/17/2006	7/14/2006	7/19/2006	7/19/2006		
Sample Matrix	Soil Metals																
Units	mg/kg																
Aluminum	11,500	10,800	10,700	20,300	10,200	10,200	18,200	17,200	9,040	12,300	7,260	6,950	13,500	9,110	4,810	SB	33,000
Antimony	3.42	2.59	3.02	ND	2.07	1.76	2.05	2.24	2.56	ND	1.84	3.34	ND	1.39	15	58	N/A
Arsenic	11.2	12.5	ND	1.45	ND	6.77	ND	ND	ND	ND	2.73	97.9	ND	10.4	7.63	7.5	3 to 12
Barium	156	90.9	75.8	93.3	136	284	114	130	40.5	510	78.3	80.4	37.7	243	898	300 or SB	15 to 600
Beryllium	0.485	0.431	0.413	1.37	0.369	0.392	0.445	1.21	0.347	0.516	0.300	0.210	0.434	0.463	0.308	0.16 (HEAST) or SB	0 to 1.25
Cadmium	3.19	2.33	2.62	1.84	2.45	1.99	2.84	2.24	2.77	2.03	2.05	2.87	2.48	2.81	14.8	0.1 to 1	1 or SB
Calcium	9,430	21,100	21,110	2,560	4,090	20,500	3,240	2,270	42,800	68	1,680	1,870	1,560	15,500	16,500	30 to 35,000	SB
Chromium	47.5	17.5	21.8	25.4	16.3	27.1	23.4	20.9	13.8	20.8	13.2	22.8	20.9	16.2	32.3	1 to 40**	10 or SB
Cobalt	6.60	6.94	9.04	28.4	7.78	6.84	6.97	9.91	6.21	7.07	6.06	5.33	6.55	25.4	21.8	30 or SB	2.5 to 80
Copper	81.8	1,420	26.6	22.2	19	42.8	28.3	23.7	21.4	14.5	27.8	38.8	13.8	131	394	25 or SB	1 to 50
Iron	17,300	21,700	28,700	14,300	23,400	18,000	29,100	23,700	25,700	24,800	18,700	33,700	25,400	19,700	138,000	2,000 or SB	2,000 to 550,000
Lead	363	91.3	75.7	148	40.9	407	64.1	181	198	38.1	173	174	13.1	766	2,930	SB	200 to 500 ppm
Magnesium	2,950	2,650	3,260	3,570	2,560	5,700	2,670	2,750	7,290	3,130	3,390	2,130	4,350	3,010	1,300	SB	100 to 5,000
Manganese	360	345	537	350	1,290	259	345	226	404	2,990	190	611	205	962	1,090	SB	50 to 50,000
Mercury	0.754	15.3	0.748	1.21	0.336	2.04	0.392	11.5	0.010	0.038	0.299	1.78	1.43	0.800	2.55	0.1	0.001 to 0.2
Nickel	22	16.4	20.4	35.5	13.3	17	11.4	21.9	12.2	13.6	13.8	8.86	13	42.4	36.8	13 or SB	0.5 to 25
Potassium	276	1,130	2310	1,150	1,150	397	1,310	1,340	1,070	2,190	745	1,170	1,010	818	631	SB	8,500 to 43,000
Selenium	ND	0.502	ND	ND	ND	1.05	ND	2 or SB	0.1 to 3.9								
Silver	ND	SB	N/A														
Sodium	49	33.7	84.1	20.1	16.8	22.4	45.6	27.2	106	76.7	12.4	66.6	16.7	36.1	49.4	SB	6,000 to 80,000
Thallium	ND	SB	N/A														
Vanadium	44.2	29.4	33.2	45.2	25.7	27.8	35.3	45.4	22.9	35.5	19.4	29.3	30.5	22.2	35.1	150 or SB	1 to 300
Zinc	268	155	86.8	435	295	303	262	456	57.4	146	141	55.1	36.3	802	1220	20 or SB	9 to 50

ND...not detected
mg/kg...milligrams per kilogram
SB...Site Background
Shaded values represent concentration exceeding Eastern USA Background
N/A...not available

TABLE 5
GROUNDWATER SAMPLES ORGANIC ANALYTICAL RESULTS

Table 5
Water Samples Organic Analytical Results
264 North 10th Street, Brooklyn, NY

Sample Identification	1	2	3	NYSDEC TOGS 1.1.1 Groundwater Quality Standard
Boring Number	GW-1	GW-9	GW-12	
Sample Date	7/17/2006	7/17/2006	7/17/2006	
Sample Matrix	Water	Water	Water	
Units	ug/L	ug/L	ug/L	
Volatile Organic Compounds				
Toluene	1.96	ND	ND	5
Semivolatile Organic Compounds				
Acenaphthene	3.26	ND	ND	20
Phenanthrene	2.32	ND	ND	50
Anthracene	2.06	ND	ND	50
Di-n-butylphthalate	3.17	ND	ND	50
Fluoranthene	8.02	ND	ND	50
Pyrene	5.12	ND	ND	50
Benzo(a)anthracene	1.21	ND	ND	NS
bis(2-Ethylhexyl)phthalate	3.71	ND	ND	5
Pesticides				
ND				
PCBs				
ND				

NS...No Standard

ug/L...micrograms per Liter

ND...not detected

Shaded values represent concentration exceeding the GQS

TABLE 6
GROUNDWATER SAMPLES INORGANIC ANALYTICAL RESULTS

Table 6
Water Samples Inorganic Analytical Results
264 North 10th Street, Brooklyn, NY

Sample Identification	1	2	3	NYSDEC TOGS 1.1.1 Groundwater Quality Standard
Boring Number	GW-1	GW-9	GW-12	
Sample Date	7/17/2006	7/17/2006	7/17/2006	
Sample Matrix	Water Metals	Water Metals	Water Metals	
Units	mg/L	mg/L	mg/L	
Aluminum	109	14.7	48.8	2,000
Antimony	0.058	ND	0.014	6
Arsenic	0.200	0.055	0.180	50
Barium	3.89	1.90	3.75	2,000
Beryllium	0.014	0.001	0.006	3
Cadmium	0.067	0.009	0.020	10
Calcium	340	211	292	NS
Chromium	0.973	0.060	0.285	100
Cobalt	0.146	0.022	0.059	NS
Copper	0.621	0.593	1.44	NS
Iron	525	75.7	163	600
Lead	27.1	3.69	13.6	35,000
Magnesium	82.1	42.2	52.3	35,000
Manganese	8.84	1.55	3.05	NS
Mercury	49.5	99.5	242	1.4
Nickel	0.609	0.048	0.211	200
Potassium	44.8	36.4	38.8	NS
Sodium	82.1	130	131	SB
Vanadium	0.773	0.109	0.343	NS
Zinc	12.4	4.14	16.6	5,000

NS...No Standard

ug/L...micrograms per Liter

ND...not detected

Shaded values represent concentration exceeding the GQS

APPENDIX A
CORRESPONDENCES WITH THE NYC DEP



June 27, 2006

**DEPARTMENT OF
ENVIRONMENTAL
PROTECTION**

59-17 Junction Boulevard
Flushing, New York 11373

**Emily Lloyd
Commissioner**

Tel. (718) 595-6565
Fax: (718) 595-3525
elloyd@dep.nyc.gov

**Angela Licata
Deputy Commissioner**

**Bureau of Environmental
Planning & Assessment**

Tel. (718) 595-4398
Fax: (718) 595-4479
alicata@dep.nyc.gov

Ms Eva Jakubowska
Hydro Tech Environmental, Corp. (HTE)
1111 Fulton Street 2nd Floor
Brooklyn, New York 11238

Re: 264 North 10th Street- Hazmat E-138
55 Union Avenue
25-33 Roebling Street/236 North 10th Street
258 North 10th Street
543 Union Avenue
249 North 9th Street
Block 2307, Lots: 1, 14, 16, 19 & 31
CEQR No. 06DEPTECH180K/04DCP003K

Dear Ms Jakubowska:

The New York City Department of Environmental Protection, Bureau of Environmental Planning and Assessment (DEP) has reviewed the May 2006 Phase II Subsurface Investigation Workplan and Health and Safety Plan (HASP) prepared by Hydro Tech Environmental, Corp (HTE) for the above referenced site. The subject site is located on the south side of North 10th street on a block boarded by North 10th Street, Union Avenue, Withers Street, North 9th Street and Roebling street in the borough of Brooklyn. The subject site is occupied by a single story vacant brick building. Under the current development plans, the existing building will be demolished to facilitate construction of a six story residential building. Subsurface excavation to 12 feet below grade would be required for the foundation. The site was designated with a hazardous materials "E" (E-138) as a result of the Greenpoint-Williamsburg rezoning plan (04DCP003K).

The Phase II workplan proposes installation of fifteen soil borings (B-1 to B-15) across the site to 16 feet below grade surface (bgs). Two soil samples would be collected at each soil boring as follows; one at 0-2 feet below grade and the other at 14-16 feet below grade or at interval exhibiting highest PID readings. Three soil borings; B-1, B-9 and B-12 would be completed as temporary monitoring wells and sampled. Soil and groundwater samples would be analyzed for TCL VOCs, SVOCs, PCB/Pesticides and TAL metals. In addition a geophysical survey would be conducted across the entire site.

Based on our review of the submitted documentation, we find the Workplan and HASP acceptable. Upon completion of the subsurface investigation activities, the consultant should submit a Phase II subsurface investigation report to DEP for review and approval.



The report should include at a minimum; an executive summary, a narrative of the field activities, laboratory data and conclusions, comparison of soil and groundwater analytical results to TAGM 4046, updated site plans depicting sample locations, boring logs, and remedial recommendations if warranted (including a RAP and CHASP, if necessary).

The DEP should be notified at least five days prior to initiating the field investigation. If you have any questions or comments, please contact Innocent Taziva at itaziva@dep.nyc.gov.

Sincerely,

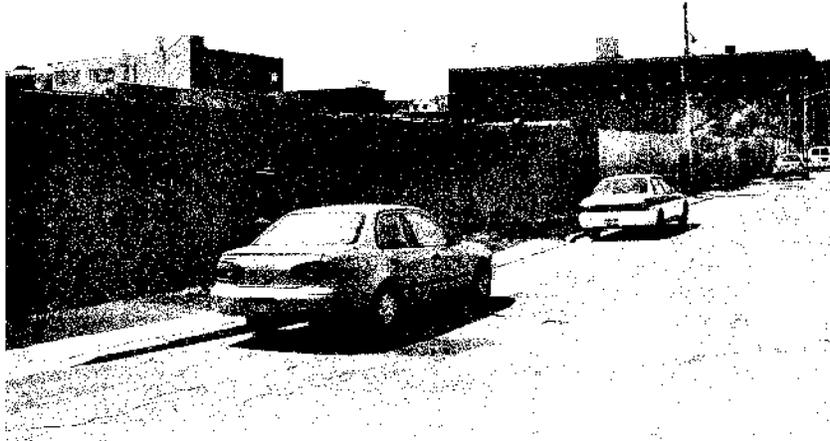


John Wuthenow
Director
Site Assessment

cc: G. Heath
J. Wuthenow
L. Fuerst
I. Taziva
C. Ballah
File

**APPENDIX B
PHOTOGRAPHS**

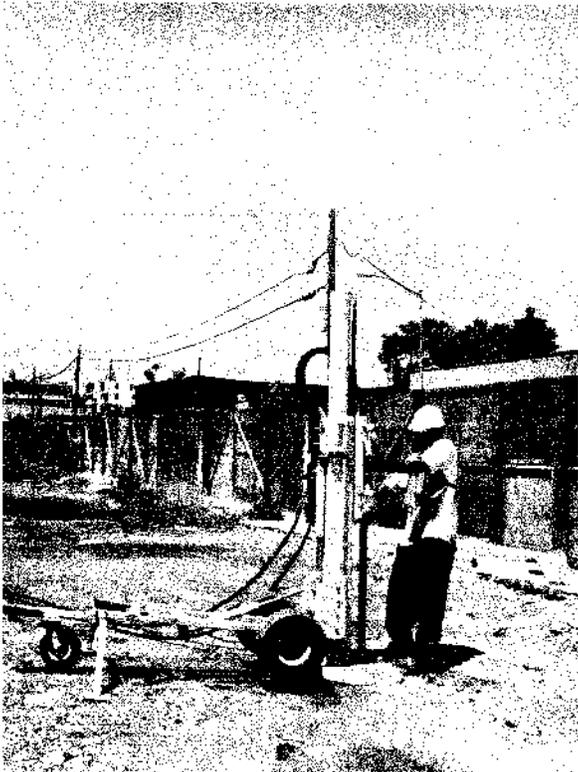
SUBJECT PROPERTY



SUBJECT PROPERTY (INTERIOR)



SOIL BORING INSTALLATION



**APPENDIX C
GPR RESULTS**

THE GPR SURVEY RESULTS WILL BE FORWARDED AS SOON AS THEY ARE COMPLETED.

**APPENDIX D
SOIL PROBE LOGS**



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Soil Probe Log

Job No:	Date: 7/17/2006	Page: 1 of 1
Location:	264 North 10th Street Brooklyn, NY	Sampling Interval: 2 Feet
Boring No.:	B-1	Sampling Method: Grab
Drilling Method:	Direct push	Driller: Efrain
Total Depth:	12 Feet	Depth to Water: 10

USCS SYMBOLS

GW - Well Graded Gravel	SW - Well Graded Sand	ML - Inorganic Silt / Sandy Silt	CH - Inorganic Clay, High Plastic
GP - Poorly Graded Gravel	SP - Poorly Graded Sand	CL - Inorganic Clays/Sandy Clay	OH - Organic Silt / Clay
GM - Silty Gravel	SM - Silty Sand	OL - Inorganic Silts/Organic Silty Clay	PT - Peat/High Organics
GC - Clayey Gravel	SC - Clayey Sand	MH - Elastic Silts	

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
---------------------------------	-------------------	------	------------------

0	0.0	SP	Dark, brown, medium grained soil with fill material (brick, concrete, ceramic tile).
-2	0.0	SP	Black, fine grained clayey soil.
-4	0.0	SP	Reddish-brown, fine grained clayey soil.
-6	0.0	SP	Black, fine grained sand with rocks.
-8	0.0	SP	S.A.B.
-10			



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Soil Probe Log

Job No:	Date: 7/14/2006	Page: 1 of 1
Location:	264 North 10th Street Brooklyn, NY	Sampling Interval: 2 Feet
Boring No.:	B-2	Sampling Method: Grab
Drilling Method:	Direct push	Driller: Charles
Total Depth:	10 Feet	Depth to Water: 10 feet

USCS SYMBOLS

GW - Well Graded Gravel	SW - Well Graded Sand	ML - Inorganic Silt / Sandy Silt	CH - Inorganic Clay, High Plastic
GP - Poorly Graded Gravel	SP - Poorly Graded Sand	CL - Inorganic Clays/Sandy Clay	OH - Organic Silt / Clay
GM - Silty Gravel	SM - Silty Sand	OL - Inorganic Silts/Organic Silty Clay	PT - Peat/High Organics
GC - Clayey Gravel	SC - Clayey Sand	MH - Elastic Silts	

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
---------------------------------	-------------------	------	------------------

0	0.0	SP	Brown, fine grained soil with rocks and wood chips.
-2	0.0	SP	Dark brown, fine grained soil.
-4	54.1	SP	S.A.B.
-6	481	SP	Black, fine grained clayey soil, very moist. Petroleum odor.
-8	0.0	SP	Black, fine grained clayey soil with rocks. Very moist.
-10			



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Soil Probe Log

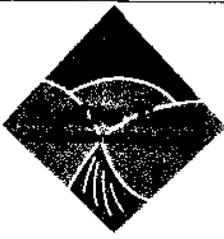
Job No:	Date: 7/19/2006	Page: 1 of 1
Location:	264 North 10th Street Brooklyn, NY	Sampling Interval: 2 Feet
Boring No.:	B-3	Sampling Method: Grab
Drilling Method:	Direct push	Driller: Levi
Total Depth:	10 Feet	Depth to Water: 12 feet

USCS SYMBOLS

GW - Well Graded Gravel	SW - Well Graded Sand	ML - Inorganic Silt / Sandy Silt	CH - Inorganic Clay, High Plastic
GP - Poorly Graded Gravel	SP - Poorly Graded Sand	CL - Inorganic Clays/Sandy Clay	OH - Organic Silt / Clay
GM - Silty Gravel	SM - Silty Sand	OL - Inorganic Silts/Organic Silty Clay	PT - Peat/High Organics
GC - Clayey Gravel	SC - Clayey Sand	MH - Elastic Silts	

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
---------------------------------------	----------------------	------	------------------

0	0.0	SP	Brown medium grained soil with fill material.
-2	0.0	SP	Dark brown medium grained coarse sand.
-4	0.0	SP	Brown medium grained coarse sand with pebbles.
-6	0.0	SP	Brown medium grained coarse sand with rocks.
-8	0.0	SP	Brown medium grained coarse sand with rocks.
-10			



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Soil Probe Log

Job No:	Date: 7/19/2006	Page: 1 of 1
Location: 264 North 10th Street Brooklyn, NY	Sampling Interval: 2 Feet	Sampling Method: Grab
Boring No.: B-4	Driller: Frain	Depth to Water: 12 feet
Drilling Method: Direct push		
Total Depth: 10 Feet		

USCS SYMBOLS

GW - Well Graded Gravel	SW - Well Graded Sand	ML - Inorganic Silt / Sandy Silt	CH - Inorganic Clay, High Plastic
GP - Poorly Graded Gravel	SP - Poorly Graded Sand	CL - Inorganic Clays/Sandy Clay	OH - Organic Silt / Clay
GM - Silty Gravel	SM - Silty Sand	OL - Inorganic Silts/Organic Silty Clay	PT - Peat/High Organics
GC - Clayey Gravel	SC - Clayey Sand	MH - Elastic Silts	

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
---------------------------------	-------------------	------	------------------

0	0.0	SP	Brown, medium grained sand.
-2	0.0	SP	Dark brown, medium grained sand with rocks.
-4	0.0	SP	Dark brown, medium grained clayey sand with rocks.
-6	0.0	SP	Dark brown, medium grained sand with rocks.
-8	0.0	SP	S.A.B.
-10			



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Soil Probe Log

Job No:	Date: 7/19/2006	Page: 1 of 1
Location: 264 North 10th Street Brooklyn, NY	Sampling Interval: 2 Feet	Sampling Method: Grab
Boring No.: B-5	Driller: Frain	Depth to Water: 12 feet
Drilling Method: Direct push		
Total Depth: 10 Feet		

USCS SYMBOLS

GW - Well Graded Gravel SW - Well Graded Sand ML - Inorganic Silt / Sandy Silt CH - Inorganic Clay, High Plastic
 GP - Poorly Graded Gravel SP - Poorly Graded Sand CL - Inorganic Clays/Sandy Clay OH - Organic Silt / Clay
 GM - Silty Gravel SM - Silty Sand OL - Inorganic Silts/Organic Silty Clay PT - Peat/High Organics
 GC - Clayey Gravel SC - Clayey Sand MH - Elastic Silts

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
---------------------------------	-------------------	------	------------------

0	0.0	SP	Dar brown, fine grained sand with some pebbles.
-2	0.0	SP	S.A.B.
-4	0.0	SP	Dark brown, medium grained clayey sand with rocks.
-6	0.0	SP	Dark brown, medium grained sand.
-8	0.0	SP	S.A.B.
-10			



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Soil Probe Log

Job No:	Date: 7/19/2006	Page: 1 of 1
Location: 264 North 10th Street Brooklyn, NY		Sampling Interval: 2 Feet
Boring No.: B-6		Sampling Method: Grab
Drilling Method: Direct push		Driller: Armando
Total Depth: 10 Feet		Depth to Water: 12 feet

USCS SYMBOLS

GW - Well Graded Gravel	SW - Well Graded Sand	ML - Inorganic Silt / Sandy Silt	CH - Inorganic Clay, High Plastic
GP - Poorly Graded Gravel	SP - Poorly Graded Sand	CL - Inorganic Clays/Sandy Clay	OH - Organic Silt / Clay
GM - Silty Gravel	SM - Silty Sand	OL - Inorganic Silts/Organic Silty Clay	PT - Peat/High Organics
GC - Clayey Gravel	SC - Clayey Sand	MH - Elastic Silts	

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
---------------------------------	-------------------	------	------------------

0	0.0	SP	Dark brown, medium to fine grained sand with fill material (bricks, wood pieces, ceramic tiles).
-2	0.0	SP	Dark brown, medium grained sand with pebbles and rocks.
-4	0.0	SP	Brown, medium grained sand with urban fill material.
-6	0.0	SP	Black, fine grained clayey sand with some rocks.
-8	0.0	SP	S.A.B.
-10			



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Soil Probe Log

Job No:	Date: 7/14/2006	Page: 1 of 1
Location:	264 North 10th Street Brooklyn, NY	Sampling Interval: 2 Feet
Boring No.:	B-7	Sampling Method: Grab
Drilling Method:	Direct push	Driller: Charles
Total Depth:	10 Feet	Depth to Water: 10 feet

USCS SYMBOLS

GW - Well Graded Gravel	SW - Well Graded Sand	ML - Inorganic Silt / Sandy Silt	CH - Inorganic Clay, High Plastic
GP - Poorly Graded Gravel	SP - Poorly Graded Sand	CL - Inorganic Clays/Sandy Clay	OH - Organic Silt / Clay
GM - Silty Gravel	SM - Silty Sand	OL - Inorganic Silts/Organic Silty Clay	PT - Peat/High Organics
GC - Clayey Gravel	SC - Clayey Sand	MH - Elastic Silts	

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
---------------------------------	-------------------	------	------------------

0	0.0	SP	Black, fine grained sand with rocks.
-2	0.0	SP	Black, medium grained sand with fill material.
-4	0.0	SP	Black, wet, medium grained clayey soil with rocks.
-6	0.0	SP	S.A.B.
-8	0.0	SP	S.A.B.
-10			



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Soil Probe Log

Job No:	Date: 7/14/2006	Page: 1 of 1
Location:	264 North 10th Street Brooklyn, NY	Sampling Interval: 2 Feet
Boring No.:	B-8	Sampling Method: Grab
Drilling Method:	Direct push	Driller: Charles
Total Depth:	10 Feet	Depth to Water: 10 feet

USCS SYMBOLS

GW - Well Graded Gravel	SW - Well Graded Sand	ML - Inorganic Silt / Sandy Silt	CH - Inorganic Clay, High Plastic
GP - Poorly Graded Gravel	SP - Poorly Graded Sand	CL - Inorganic Clays/Sandy Clay	OH - Organic Silt / Clay
GM - Silty Gravel	SM - Silty Sand	OL - Inorganic Silts/Organic Silty Clay	PT - Peat/High Organics
GC - Clayey Gravel	SC - Clayey Sand	MH - Elastic Silts	

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
---------------------------------	-------------------	------	------------------

0	0.0	SP	Brown, medium grained sand with gravel and rocks.
-2	0.0	SP	Dark brown sand with rocks.
-4	0.0	SP	Brown sad clayey with fill material.
-6	0.0	SP	S.A.B.
-8	0.0	SP	Brown, fine grained clayey sand with fill material.
-10			



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Soil Probe Log

Job No:	Date: 7/17/2006	Page: 1 of 1
Location:	264 North 10th Street Brooklyn, NY	Sampling Interval: 2 Feet
Boring No.:	B-9	Sampling Method: Grab
Drilling Method:	Direct push	Driller: Efrain
Total Depth:	10 Feet	Depth to Water: 10 feet

USCS SYMBOLS

GW - Well Graded Gravel	SW - Well Graded Sand	ML - Inorganic Silt / Sandy Silt	CH - Inorganic Clay, High Plastic
GP - Poorly Graded Gravel	SP - Poorly Graded Sand	CL - Inorganic Clays/Sandy Clay	OH - Organic Silt / Clay
GM - Silty Gravel	SM - Silty Sand	OL - Inorganic Silts/Organic Silty Clay	PT - Peat/High Organics
GC - Clayey Gravel	SC - Clayey Sand	MH - Elastic Silts	

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
---------------------------------	-------------------	------	------------------

0	0.0	SP	Brown, medium grained sand with fill material (bricks and concrete).
-2	0.0	SP	Black, fine grained clayey soil with rocks.
-4	0.0	SP	Brown, medium grained soil with rocks and pebbles.
-6	0.0	SP	Dark brown, fine grained clayey soil with rocks.
-8	0.0	SP	S.A.B.
-10			



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Soil Probe Log

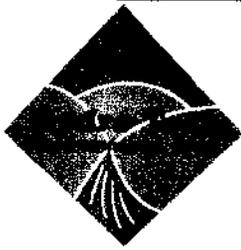
Job No:	Date: 7/19/2006	Page: 1 of 1
Location:	264 North 10th Street Brooklyn, NY	Sampling Interval: 2 Feet
Boring No.:	B-10	Sampling Method: Grab
Drilling Method:	Direct push	Driller: Armando
Total Depth:	10 Feet	Depth to Water: 12 feet

USCS SYMBOLS

GW - Well Graded Gravel	SW - Well Graded Sand	ML - Inorganic Silt / Sandy Silt	CH - Inorganic Clay, High Plastic
GP - Poorly Graded Gravel	SP - Poorly Graded Sand	CL - Inorganic Clays/Sandy Clay	OH - Organic Silt / Clay
GM - Silty Gravel	SM - Silty Sand	OL - Inorganic Silts/Organic Silty Clay	PT - Peat/High Organics
GC - Clayey Gravel	SC - Clayey Sand	MH - Elastic Silts	

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
---------------------------------------	----------------------	------	------------------

0	0.0	SP	Brown, medium grained sand.
-2	0.0	SP	Dark brown, medium grained sand with pebbles.
-4	0.0	SP	Black sand with rocks.
-6	0.0	SP	S.A.B.
-8	0.0	SP	Blac. fine grained sand with fill material.
-10			



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Soil Probe Log

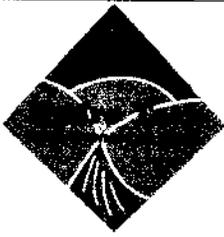
Job No:	Date: 7/14/2006	Page: 1 of 1
Location:	264 North 10th Street Brooklyn, NY	Sampling Interval: 2 Feet
Boring No.:	B-11	Sampling Method: Grab
Drilling Method:	Direct push	Driller: Charles
Total Depth:	10 Feet	Depth to Water: 10 feet

USCS SYMBOLS

GW - Well Graded Gravel	SW - Well Graded Sand	ML - Inorganic Silt / Sandy Silt	CH - Inorganic Clay, High Plastic
GP - Poorly Graded Gravel	SP - Poorly Graded Sand	CL - Inorganic Clays/Sandy Clay	OH - Organic Silt / Clay
GM - Silty Gravel	SM - Silty Sand	OL - Inorganic Silts/Organic Silty Clay	PT - Peat/High Organics
GC - Clayey Gravel	SC - Clayey Sand	MH - Elastic Silts	

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
---------------------------------	-------------------	------	------------------

0	0.0	SP	Black, medium grained loos sand with some rocks.
-2	0.0	SP	Dark brown, fine grained, moist clayey soil with fill material (bricks, concrete, wood pieces).
-4	895	SP	Black, very fine grained soil, moist, clayey, petroleum odor.
-6	1,335	SP	Greyish black, fine grained clayey soil, petroleum odor.
-8	649	SP	Black fine grained soil with rocks, with some petroleum odor.
-10			



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Soil Probe Log

Job No:	Date: 7/17/2006	Page: 1 of 1
Location: 264 North 10th Street Brooklyn, NY	Sampling Interval: 2 Feet	Sampling Method: Grab
Boring No.: B-12	Driller: Levi	Depth to Water: 12 feet
Drilling Method: Direct push		
Total Depth: 10 Feet		

USCS SYMBOLS

GW - Well Graded Gravel	SW - Well Graded Sand	ML - Inorganic Silt / Sandy Silt	CH - Inorganic Clay, High Plastic
GP - Poorly Graded Gravel	SP - Poorly Graded Sand	CL - Inorganic Clays/Sandy Clay	OH - Organic Silt / Clay
GM - Silty Gravel	SM - Silty Sand	OL - Inorganic Silts/Organic Silty Clay	PT - Peat/High Organics
GC - Clayey Gravel	SC - Clayey Sand	MH - Elastic Silts	

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
---------------------------------------	----------------------	------	------------------

0	0.0	SP	Brown, medium grained sand with fill material (brck, concrete, wood chips).
-2	0.0	SP	Black fine grained clayey soil with rocks.
-4	0.0	SP	Brown, fine grained clayey soil with rocks.
-6	0.0	SP	S.A.B.
-8	0.0	SP	S.A.B.
-10			



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Soil Probe Log

Job No:	Date: 7/14/2006	Page: 1 of 1
Location: 264 North 10th Street Brooklyn, NY	Sampling Interval: 2 Feet	Sampling Method: Grab
Boring No.: B-13	Driller: Charles	Depth to Water: 12 feet
Drilling Method: Direct push		
Total Depth: 8 Feet		

USCS SYMBOLS

GW - Well Graded Gravel	SW - Well Graded Sand	ML - Inorganic Silt / Sandy Silt	CH - Inorganic Clay, High Plastic
GP - Poorly Graded Gravel	SP - Poorly Graded Sand	CL - Inorganic Clays/Sandy Clay	OH - Organic Silt / Clay
GM - Silty Gravel	SM - Silty Sand	OL - Inorganic Silts/Organic Silty Clay	PT - Peat/High Organics
GC - Clayey Gravel	SC - Clayey Sand	MH - Elastic Silts	

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
---------------------------------	-------------------	------	------------------

0	0.0	SP	Brown, medium grained sand with rocks.
-2	0.0	SP	Black, medium grained sand with fill material.
-4	0.0	SP	Black clayey and moist sand with rocks.
-6	0.0	SP	S.A.B.
-8			



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Soil Probe Log

Job No:	Date: 7/19/2006	Page: 1 of 1
Location: 264 North 10th Street Brooklyn, NY	Sampling Interval: 2 Feet	Sampling Method: Grab
Boring No.: B-14	Driller: Efrsin	Depth to Water: 12 feet
Drilling Method: Direct push		
Total Depth: 10 Feet		

USCS SYMBOLS

GW - Well Graded Gravel	SW - Well Graded Sand	ML - Inorganic Silt / Sandy Silt	CH - Inorganic Clay, High Plastic
GP - Poorly Graded Gravel	SP - Poorly Graded Sand	CL - Inorganic Clays/Sandy Clay	OH - Organic Silt / Clay
GM - Silty Gravel	SM - Silty Sand	OL - Inorganic Silts/Organic Silty Clay	PT - Peat/High Organics
GC - Clayey Gravel	SC - Clayey Sand	MH - Elastic Silts	

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
---------------------------------	-------------------	------	------------------

0	0.0	SP	Dark brown, fine grained clayey soil with some pebbles.
-2	0.0	SP	Black fine grained clayey soil with rocks.
-4	0.0	SP	Black, medium grained soil with fill material.
-6	0.0	SP	S.A.B.
-8	0.0	SP	Black, fine grained soil with pebbles and rocks.
-10			



Hydro Tech Environmental, Corp.

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Soil Probe Log

Job No:	Date: 7/19/2006	Page: 1 of 1
Location:	264 North 10th Street Brooklyn, NY	Sampling Interval: 2 Feet
Boring No.:	B-15	Sampling Method: Grab
Drilling Method:	Direct push	Driller: Efrsin
Total Depth:	10 Feet	Depth to Water: 12 feet

USCS SYMBOLS

GW - Well Graded Gravel	SW - Well Graded Sand	ML - Inorganic Silt / Sandy Silt	CH - Inorganic Clay, High Plastic
GP - Poorly Graded Gravel	SP - Poorly Graded Sand	CL - Inorganic Clays/Sandy Clay	OH - Organic Silt / Clay
GM - Silty Gravel	SM - Silty Sand	OL - Inorganic Silts/Organic Silty Clay	PT - Peat/High Organics
GC - Clayey Gravel	SC - Clayey Sand	MH - Elastic Silts	

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
---------------------------------	-------------------	------	------------------

0	0.0	SP	Brown, medium grained sand with pebbles.
-2	0.0	SP	Dark brown, medium grained sand with fill material.
-4	0.0	SP	Dark brown to black, medium to fine grained sand with rocks.
-6	0.0	SP	Black sand with rocks and bricks.
-8	0.0	SP	Black, fine grained soil with pebbles and rocks.
-10			

APPENDIX E
LABORATORY REPORTS



26 NORTH MALL • PLAINVIEW, NY 11803
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 Website: www.SouthMallLabs.com

July 28, 2006

Hydro Tech Environmental
 1111 Fulton Street
 Brooklyn, NY 11238

Att: Eva Jakubowska

Sample Description: Soil - 264 North 10th Street Project/ Brooklyn, B-1, 0-2' - 07/17/06
 Sample Collected By: Hydro Tech Environmental
 Purchase Order: Verbal
 Date Samples Received: 7/20/06
 Work Order Number: 0607074
 Lab ID Number: 0607074-01

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Aluminum	15700	mg/kg dry	17.9	07/25/06	DW	SW 6010B
Antimony	2.36	mg/kg dry	0.538	07/25/06	DW	SW 6010B
Arsenic	<0.299	mg/kg dry	0.299	07/25/06	DW	SW 6010B
Barium	442	mg/kg dry	1.49	07/25/06	DW	SW 6010B
Beryllium	0.427	mg/kg dry	0.060	07/25/06	DW	SW 6010B
Cadmium	3.98	mg/kg dry	0.060	07/25/06	DW	SW 6010B
Calcium	15500	mg/kg dry	44.8	07/25/06	DW	SW 6010B
Chromium	19.7	mg/kg dry	0.060	07/25/06	DW	SW 6010B
Cobalt	6.92	mg/kg dry	0.060	07/25/06	DW	SW 6010B
Copper	50.3	mg/kg dry	0.060	07/25/06	DW	SW 6010B
Iron	26700	mg/kg dry	7.47	07/25/06	DW	SW 6010B
Lead	287	mg/kg dry	0.179	07/25/06	DW	SW 6010B
Magnesium	4170	mg/kg dry	10.5	07/25/06	DW	SW 6010B
Manganese	229	mg/kg dry	0.060	07/25/06	DW	SW 6010B
Mercury	0.256	mg/kg dry	0.001	07/26/06	DW	SW 7471A
Nickel	15.8	mg/kg dry	0.119	07/25/06	DW	SW 6010B
Potassium	282	mg/kg dry	0.597	07/25/06	DW	SW 6010B
Selenium	<0.597	mg/kg dry	0.597	07/25/06	DW	SW 6010B
Silver	<0.119	mg/kg dry	0.119	07/25/06	DW	SW 6010B
Sodium	23.6	mg/kg dry	0.597	07/25/06	DW	SW 6010B
Thallium	<0.299	mg/kg dry	0.299	07/25/06	DW	SW 6010B
Vanadium	25.8	mg/kg dry	0.119	07/25/06	DW	SW 6010B
Zinc	404	mg/kg dry	0.119	07/25/06	DW	SW6010B
Acetone	<11.9	ug/kg dry	11.9	07/21/06	VNS	SW 8260B



Lab ID Number: 0607074-01

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Benzene	<1.19	ug/kg dry	1.19	07/21/06	VNS	SW 8260B
Bromodichloromethane	<5.97	ug/kg dry	5.97	07/21/06	VNS	SW 8260B
Bromoform	<1.19	ug/kg dry	1.19	07/21/06	VNS	SW 8260B
Bromomethane	<2.39	ug/kg dry	2.39	07/21/06	VNS	SW 8260B
n-Butylbenzene	<1.19	ug/kg dry	1.19	07/21/06	VNS	SW 8260B
Carbon disulfide	<5.97	ug/kg dry	5.97	07/21/06	VNS	SW 8260B
Carbon Tetrachloride	<2.39	ug/kg dry	2.39	07/21/06	VNS	SW 8260B
Chlorobenzene	<1.19	ug/kg dry	1.19	07/21/06	VNS	SW 8260B
Chloroethane	<2.39	ug/kg dry	2.39	07/21/06	VNS	SW 8260B
Chloroform	<1.19	ug/kg dry	1.19	07/21/06	VNS	SW 8260B
Chloromethane	<2.39	ug/kg dry	2.39	07/21/06	VNS	SW 8260B
Dibromochloromethane	<5.97	ug/kg dry	5.97	07/21/06	VNS	SW 8260B
1,3-Dichlorobenzene	<2.39	ug/kg dry	2.39	07/21/06	VNS	SW 8260B
1,2-Dichlorobenzene	<1.19	ug/kg dry	1.19	07/21/06	VNS	SW 8260B
1,4-Dichlorobenzene	<1.19	ug/kg dry	1.19	07/21/06	VNS	SW 8260B
1,2-Dichloroethane	<1.19	ug/kg dry	1.19	07/21/06	VNS	SW 8260B
1,1-Dichloroethane	<2.39	ug/kg dry	2.39	07/21/06	VNS	SW 8260B
trans-1,2-Dichloroethene	<1.19	ug/kg dry	1.19	07/21/06	VNS	SW 8260B
cis-1,2-Dichloroethene	<1.19	ug/kg dry	1.19	07/21/06	VNS	SW 8260B
1,1-Dichloroethene	<1.19	ug/kg dry	1.19	07/21/06	VNS	SW 8260B
1,2-Dichloropropane	<2.39	ug/kg dry	2.39	07/21/06	VNS	SW 8260B
cis-1,3-Dichloropropene	<1.19	ug/kg dry	1.19	07/21/06	VNS	SW 8260B
trans-1,3-Dichloropropene	<1.19	ug/kg dry	1.19	07/21/06	VNS	SW 8260B
Ethylbenzene	<2.39	ug/kg dry	2.39	07/21/06	VNS	SW 8260B
Hexachlorobutadiene	<1.19	ug/kg dry	1.19	07/21/06	VNS	SW 8260B
2-Hexanone	<5.97	ug/kg dry	5.97	07/21/06	VNS	SW 8260B
Methylene Chloride	<11.9	ug/kg dry	11.9	07/21/06	VNS	SW 8260B
Methyl Ethyl Ketone	<2.39	ug/kg dry	2.39	07/21/06	VNS	SW 8260B
Methyl Isobutyl Ketone	<5.97	ug/kg dry	5.97	07/21/06	VNS	SW 8260B
Naphthalene	11.7	ug/kg dry	2.39	07/21/06	VNS	SW 8260B
Styrene	<1.19	ug/kg dry	1.19	07/21/06	VNS	SW 8260B
1,1,2,2-Tetrachloroethane	<2.39	ug/kg dry	2.39	07/21/06	VNS	SW 8260B
Tetrachloroethene	<1.19	ug/kg dry	1.19	07/21/06	VNS	SW 8260B
Toluene	<1.19	ug/kg dry	1.19	07/21/06	VNS	SW 8260B
1,2,4-Trichlorobenzene	<1.19	ug/kg dry	1.19	07/21/06	VNS	SW 8260B
1,1,2-Trichloroethane	<2.39	ug/kg dry	2.39	07/21/06	VNS	SW 8260B
1,1,1-Trichloroethane	<1.19	ug/kg dry	1.19	07/21/06	VNS	SW 8260B
Trichloroethene	<1.19	ug/kg dry	1.19	07/21/06	VNS	SW 8260B
Vinyl acetate	<5.97	ug/kg dry	5.97	07/21/06	VNS	SW 8260B



Lab ID Number: 0607074-01

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Vinyl chloride	<5.97	ug/kg dry	5.97	07/21/06	VNS	SW 8260B
m,p-Xylene	<2.39	ug/kg dry	2.39	07/21/06	VNS	SW 8260B
o-Xylene	<1.19	ug/kg dry	1.19	07/21/06	VNS	SW 8260B

Extracted 07/22/06 by Soxhlet Extraction for SW 8270C.

Acenaphthene	62.7	ug/kg dry	59.7	07/25/06	AR	SW 8270C
Acenaphthylene	<59.7	ug/kg dry	59.7	07/25/06	AR	SW 8270C
Anthracene	212	ug/kg dry	119	07/25/06	AR	SW 8270C
Benzo (a) anthracene	593	ug/kg dry	59.7	07/25/06	AR	SW 8270C
Benzo (a) pyrene	510	ug/kg dry	59.7	07/25/06	AR	SW 8270C
Benzo (b) fluoranthene	554	ug/kg dry	299	07/25/06	AR	SW 8270C
Benzo (g,h,i) perylene	470	ug/kg dry	59.7	07/25/06	AR	SW 8270C
Benzo (k) fluoranthene	420	ug/kg dry	119	07/25/06	AR	SW 8270C
4-Bromophenyl phenyl ether	<59.7	ug/kg dry	59.7	07/25/06	AR	SW 8270C
Butyl benzyl phthalate	<299	ug/kg dry	299	07/25/06	AR	SW 8270C
4-Chloro-3-methylphenol	<119	ug/kg dry	119	07/25/06	AR	SW 8270C
4-Chloroaniline	<299	ug/kg dry	299	07/25/06	AR	SW 8270C
Bis(2-chloroethoxy)methane	<119	ug/kg dry	119	07/25/06	AR	SW 8270C
Bis(2-chloroethyl)ether	<119	ug/kg dry	119	07/25/06	AR	SW 8270C
Bis(2-chloroisopropyl)ether	<119	ug/kg dry	119	07/25/06	AR	SW 8270C
2-Chloronaphthalene	<59.7	ug/kg dry	59.7	07/25/06	AR	SW 8270C
2-Chlorophenol	<119	ug/kg dry	119	07/25/06	AR	SW 8270C
4-Chlorophenyl phenyl ether	<119	ug/kg dry	119	07/25/06	AR	SW 8270C
Chrysene	602	ug/kg dry	119	07/25/06	AR	SW 8270C
Dibenz (a,h) anthracene	<119	ug/kg dry	119	07/25/06	AR	SW 8270C
Dibenzofuran	<299	ug/kg dry	299	07/25/06	AR	SW 8270C
Di-n-butyl phthalate	<119	ug/kg dry	119	07/25/06	AR	SW 8270C
1,4-Dichlorobenzene	<119	ug/kg dry	119	07/25/06	AR	SW 8270C
1,2-Dichlorobenzene	<59.7	ug/kg dry	59.7	07/25/06	AR	SW 8270C
1,3-Dichlorobenzene	<119	ug/kg dry	119	07/25/06	AR	SW 8270C
2,4-Dichlorophenol	<119	ug/kg dry	119	07/25/06	AR	SW 8270C
Diethyl phthalate	<119	ug/kg dry	119	07/25/06	AR	SW 8270C
2,4-Dimethylphenol	<59.7	ug/kg dry	59.7	07/25/06	AR	SW 8270C
Dimethyl phthalate	<59.7	ug/kg dry	59.7	07/25/06	AR	SW 8270C
4,6-Dinitro-2-methylphenol	<299	ug/kg dry	299	07/25/06	AR	SW 8270C
3,3'-Dichlorobenzidine	<299	ug/kg dry	299	07/25/06	AR	SW 8270C
2,4-Dinitrophenol	<299	ug/kg dry	299	07/25/06	AR	SW 8270C
2,4-Dinitrotoluene	<119	ug/kg dry	119	07/25/06	AR	SW 8270C



Lab ID Number: 0607074-01

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
2,6-Dinitrotoluene	<119	ug/kg dry	119	07/25/06	AR	SW 8270C
Di-n-octyl phthalate	<299	ug/kg dry	299	07/25/06	AR	SW 8270C
Bis(2-ethylhexyl)phthalate	514	ug/kg dry	119	07/25/06	AR	SW 8270C
Fluoranthene	1530	ug/kg dry	59.7	07/25/06	AR	SW 8270C
Fluorene	<119	ug/kg dry	119	07/25/06	AR	SW 8270C
Hexachlorobenzene	<119	ug/kg dry	119	07/25/06	AR	SW 8270C
Hexachlorobutadiene	<119	ug/kg dry	119	07/25/06	AR	SW 8270C
Hexachlorocyclopentadiene	<597	ug/kg dry	597	07/25/06	AR	SW 8270C
Hexachloroethane	<119	ug/kg dry	119	07/25/06	AR	SW 8270C
Indeno (1,2,3-cd) pyrene	211	ug/kg dry	119	07/25/06	AR	SW 8270C
Isophorone	<119	ug/kg dry	119	07/25/06	AR	SW 8270C
2-Methylnaphthalene	<59.7	ug/kg dry	59.7	07/25/06	AR	SW 8270C
2-Methylphenol	<119	ug/kg dry	119	07/25/06	AR	SW 8270C
3 & 4-Methylphenol	<119	ug/kg dry	119	07/25/06	AR	SW 8270C
Naphthalene	<59.7	ug/kg dry	59.7	07/25/06	AR	SW 8270C
2-Nitroaniline	<299	ug/kg dry	299	07/25/06	AR	SW 8270C
4-Nitroaniline	<299	ug/kg dry	299	07/25/06	AR	SW 8270C
3-Nitroaniline	<299	ug/kg dry	299	07/25/06	AR	SW 8270C
Nitrobenzene	<119	ug/kg dry	119	07/25/06	AR	SW 8270C
4-Nitrophenol	<299	ug/kg dry	299	07/25/06	AR	SW 8270C
2-Nitrophenol	<299	ug/kg dry	299	07/25/06	AR	SW 8270C
N-Nitrosodiphenylamine	<119	ug/kg dry	119	07/25/06	AR	SW 8270C
N-Nitrosodi-n-propylamine	<119	ug/kg dry	119	07/25/06	AR	SW 8270C
Pentachlorophenol	<299	ug/kg dry	299	07/25/06	AR	SW 8270C
Phenanthrene	1010	ug/kg dry	119	07/25/06	AR	SW 8270C
Phenol	<119	ug/kg dry	119	07/25/06	AR	SW 8270C
Pyrene	1200	ug/kg dry	119	07/25/06	AR	SW 8270C
1,2,4-Trichlorobenzene	<59.7	ug/kg dry	59.7	07/25/06	AR	SW 8270C
2,4,5-Trichlorophenol	<119	ug/kg dry	119	07/25/06	AR	SW 8270C
2,4,6-Trichlorophenol	<59.7	ug/kg dry	59.7	07/25/06	AR	SW 8270C



Lab ID Number: 0607074-01

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Extracted 07/22/06 by Soxhlet Extraction for SW 8081.						
alpha-BHC	<0.60	ug/kg dry	0.60	07/27/06	AR	SW 8081
alpha-Chlordane	<0.60	ug/kg dry	0.60	07/27/06	AR	SW 8081
beta-BHC	<0.60	ug/kg dry	0.60	07/27/06	AR	SW 8081
Aldrin	<0.60	ug/kg dry	0.60	07/27/06	AR	SW 8081
gamma-BHC (Lindane)	<0.60	ug/kg dry	0.60	07/27/06	AR	SW 8081
gamma-Chlordane	<0.60	ug/kg dry	0.60	07/27/06	AR	SW 8081
Heptachlor	<0.60	ug/kg dry	0.60	07/27/06	AR	SW 8081
Heptachlor epoxide	<0.60	ug/kg dry	0.60	07/27/06	AR	SW 8081
delta-BHC	<0.60	ug/kg dry	0.60	07/27/06	AR	SW 8081
Endosulfan I	<2.99	ug/kg dry	2.99	07/27/06	AR	SW 8081
Endosulfan II	<2.99	ug/kg dry	2.99	07/27/06	AR	SW 8081
Endosulfan sulfate	<2.99	ug/kg dry	2.99	07/27/06	AR	SW 8081
Endrin	<2.99	ug/kg dry	2.99	07/27/06	AR	SW 8081
Endrin aldehyde	<2.99	ug/kg dry	2.99	07/27/06	AR	SW 8081
Endrin ketone	<2.99	ug/kg dry	2.99	07/27/06	AR	SW 8081
4,4'-DDD	<2.99	ug/kg dry	2.99	07/27/06	AR	SW 8081
4,4'-DDE	<2.99	ug/kg dry	2.99	07/27/06	AR	SW 8081
4,4'-DDT	<2.99	ug/kg dry	2.99	07/27/06	AR	SW 8081
Methoxychlor	<5.97	ug/kg dry	5.97	07/27/06	AR	SW 8081
Dieldrin	<2.99	ug/kg dry	2.99	07/27/06	AR	SW 8081
Chlordane (technical)	<5.97	ug/kg dry	5.97	07/27/06	AR	SW 8081
Toxaphene	<5.97	ug/kg dry	5.97	07/27/06	AR	SW 8081
Extracted 07/22/06 by Soxhlet Extraction for SW 8082.						
Aroclor 1016	<23.9	ug/kg dry	23.9	07/27/06	AR	SW 8082
Aroclor 1221	<23.9	ug/kg dry	23.9	07/27/06	AR	SW 8082
Aroclor 1232	<23.9	ug/kg dry	23.9	07/27/06	AR	SW 8082
Aroclor 1242	<23.9	ug/kg dry	23.9	07/27/06	AR	SW 8082
Aroclor 1248	<23.9	ug/kg dry	23.9	07/27/06	AR	SW 8082
Aroclor 1254	<23.9	ug/kg dry	23.9	07/27/06	AR	SW 8082
Aroclor 1260	<23.9	ug/kg dry	23.9	07/27/06	AR	SW 8082

References

- EPA - 40 Code of Federal Regulations, Part 136, October 26, 1984.
- SW - SW 846 3rd Edition.
- SM - Standard Methods for the Examination of Water and Wastewater, 18th edition.
- LT - Lachat Method Manual, "Methods List for Automated Ion Analyzers", February 2004

New York State ELAP Laboratory ID #10950/EPA Laboratory ID #NY01292/New Jersey DEP Laboratory ID #NY006

Laboratory Director: _____



Joseph P. Shaulys



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July 28, 2006

Hydro Tech Environmental
 1111 Fulton Street
 Brooklyn, NY 11238

Att: Eva Jakubowska

Sample Description: Soil - 264 North 10th Street Project/ Brooklyn, B-1, 8-10' - 07/17/06
 Sample Collected By: Hydro Tech Environmental
 Purchase Order: Verbal
 Date Samples Received: 7/20/06
 Work Order Number: 0607074
 Lab ID Number: 0607074-02

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Aluminum	11500	mg/kg dry	17.1	07/25/06	DW	SW 6010B
Antimony	3.42	mg/kg dry	0.513	07/25/06	DW	SW 6010B
Arsenic	11.2	mg/kg dry	0.285	07/25/06	DW	SW 6010B
Barium	156	mg/kg dry	0.057	07/25/06	DW	SW 6010B
Beryllium	0.485	mg/kg dry	0.057	07/25/06	DW	SW 6010B
Cadmium	3.19	mg/kg dry	0.057	07/25/06	DW	SW 6010B
Calcium	9430	mg/kg dry	42.7	07/25/06	DW	SW 6010B
Chromium	47.5	mg/kg dry	0.057	07/25/06	DW	SW 6010B
Cobalt	6.60	mg/kg dry	0.057	07/25/06	DW	SW 6010B
Copper	81.8	mg/kg dry	0.057	07/25/06	DW	SW 6010B
Iron	17300	mg/kg dry	7.12	07/25/06	DW	SW 6010B
Lead	363	mg/kg dry	0.171	07/25/06	DW	SW 6010B
Manganese	360	mg/kg dry	0.057	07/25/06	DW	SW 6010B
Magnesium	2950	mg/kg dry	9.97	07/25/06	DW	SW 6010B
Mercury	0.754	mg/kg dry	0.001	07/26/06	DW	SW 7471A
Nickel	22.0	mg/kg dry	0.114	07/25/06	DW	SW 6010B
Potassium	276	mg/kg dry	0.569	07/25/06	DW	SW 6010B
Selenium	<0.569	mg/kg dry	0.569	07/25/06	DW	SW 6010B
Silver	<0.114	mg/kg dry	0.114	07/25/06	DW	SW 6010B
Sodium	49.0	mg/kg dry	0.569	07/25/06	DW	SW 6010B
Thallium	<0.285	mg/kg dry	0.285	07/25/06	DW	SW 6010B
Vanadium	44.2	mg/kg dry	0.114	07/25/06	DW	SW 6010B
Zinc	268	mg/kg dry	0.114	07/25/06	DW	SW6010B
Acetone	<11.4	ug/kg dry	11.4	07/21/06	VNS	SW 8260B



Lab ID Number: 0607074-02

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Benzene	<1.14	ug/kg dry	1.14	07/21/06	VNS	SW 8260B
Bromodichloromethane	<5.69	ug/kg dry	5.69	07/21/06	VNS	SW 8260B
Bromoform	<1.14	ug/kg dry	1.14	07/21/06	VNS	SW 8260B
Bromomethane	<2.28	ug/kg dry	2.28	07/21/06	VNS	SW 8260B
Carbon disulfide	<5.69	ug/kg dry	5.69	07/21/06	VNS	SW 8260B
Carbon Tetrachloride	<2.28	ug/kg dry	2.28	07/21/06	VNS	SW 8260B
Chlorobenzene	<1.14	ug/kg dry	1.14	07/21/06	VNS	SW 8260B
Chloroethane	<2.28	ug/kg dry	2.28	07/21/06	VNS	SW 8260B
Chloroform	<1.14	ug/kg dry	1.14	07/21/06	VNS	SW 8260B
Chloromethane	<2.28	ug/kg dry	2.28	07/21/06	VNS	SW 8260B
Dibromochloromethane	<5.69	ug/kg dry	5.69	07/21/06	VNS	SW 8260B
1,3-Dichlorobenzene	<2.28	ug/kg dry	2.28	07/21/06	VNS	SW 8260B
1,2-Dichlorobenzene	<1.14	ug/kg dry	1.14	07/21/06	VNS	SW 8260B
1,4-Dichlorobenzene	<1.14	ug/kg dry	1.14	07/21/06	VNS	SW 8260B
1,2-Dichloroethane	<1.14	ug/kg dry	1.14	07/21/06	VNS	SW 8260B
1,1-Dichloroethane	<2.28	ug/kg dry	2.28	07/21/06	VNS	SW 8260B
trans-1,2-Dichloroethene	<1.14	ug/kg dry	1.14	07/21/06	VNS	SW 8260B
cis-1,2-Dichloroethene	<1.14	ug/kg dry	1.14	07/21/06	VNS	SW 8260B
1,1-Dichloroethene	<1.14	ug/kg dry	1.14	07/21/06	VNS	SW 8260B
1,2-Dichloropropane	<2.28	ug/kg dry	2.28	07/21/06	VNS	SW 8260B
cis-1,3-Dichloropropene	<1.14	ug/kg dry	1.14	07/21/06	VNS	SW 8260B
trans-1,3-Dichloropropene	<1.14	ug/kg dry	1.14	07/21/06	VNS	SW 8260B
Ethylbenzene	<2.28	ug/kg dry	2.28	07/21/06	VNS	SW 8260B
Hexachlorobutadiene	<1.14	ug/kg dry	1.14	07/21/06	VNS	SW 8260B
2-Hexanone	<5.69	ug/kg dry	5.69	07/21/06	VNS	SW 8260B
Methylene Chloride	<11.4	ug/kg dry	11.4	07/21/06	VNS	SW 8260B
Methyl Ethyl Ketone	<2.28	ug/kg dry	2.28	07/21/06	VNS	SW 8260B
Methyl Isobutyl Ketone	<5.69	ug/kg dry	5.69	07/21/06	VNS	SW 8260B
Naphthalene	<2.28	ug/kg dry	2.28	07/21/06	VNS	SW 8260B
Styrene	<1.14	ug/kg dry	1.14	07/21/06	VNS	SW 8260B
1,1,2,2-Tetrachloroethane	<2.28	ug/kg dry	2.28	07/21/06	VNS	SW 8260B
Tetrachloroethene	<1.14	ug/kg dry	1.14	07/21/06	VNS	SW 8260B
Toluene	<1.14	ug/kg dry	1.14	07/21/06	VNS	SW 8260B
1,2,4-Trichlorobenzene	<1.14	ug/kg dry	1.14	07/21/06	VNS	SW 8260B
1,1,2-Trichloroethane	<2.28	ug/kg dry	2.28	07/21/06	VNS	SW 8260B
1,1,1-Trichloroethane	<1.14	ug/kg dry	1.14	07/21/06	VNS	SW 8260B
Trichloroethene	<1.14	ug/kg dry	1.14	07/21/06	VNS	SW 8260B
Vinyl acetate	<5.69	ug/kg dry	5.69	07/21/06	VNS	SW 8260B
Vinyl chloride	<5.69	ug/kg dry	5.69	07/21/06	VNS	SW 8260B



Lab ID Number: 0607074-02

Analyte	Results	Units	RL	Analyzed	By	Method
m,p-Xylene	<2.28	ug/kg dry	2.28	07/21/06	VNS	SW 8260B
o-Xylene	<1.14	ug/kg dry	1.14	07/21/06	VNS	SW 8260B

Extracted 07/22/06 by Soxhlet Extraction for SW 8270C.

Acenaphthene	<56.9	ug/kg dry	56.9	07/25/06	AR	SW 8270C
Acenaphthylene	<56.9	ug/kg dry	56.9	07/25/06	AR	SW 8270C
Anthracene	<114	ug/kg dry	114	07/25/06	AR	SW 8270C
Benzo (a) anthracene	199	ug/kg dry	56.9	07/25/06	AR	SW 8270C
Benzo (a) pyrene	179	ug/kg dry	56.9	07/25/06	AR	SW 8270C
Benzo (b) fluoranthene	<285	ug/kg dry	285	07/25/06	AR	SW 8270C
Benzo (g,h,i) perylene	192	ug/kg dry	56.9	07/25/06	AR	SW 8270C
Benzo (k) fluoranthene	133	ug/kg dry	114	07/25/06	AR	SW 8270C
4-Bromophenyl phenyl ether	<56.9	ug/kg dry	56.9	07/25/06	AR	SW 8270C
Butyl benzyl phthalate	<285	ug/kg dry	285	07/25/06	AR	SW 8270C
4-Chloro-3-methylphenol	<114	ug/kg dry	114	07/25/06	AR	SW 8270C
4-Chloroaniline	<285	ug/kg dry	285	07/25/06	AR	SW 8270C
Bis(2-chloroethoxy)methane	<114	ug/kg dry	114	07/25/06	AR	SW 8270C
Bis(2-chloroethyl)ether	<114	ug/kg dry	114	07/25/06	AR	SW 8270C
Bis(2-chloroisopropyl)ether	<114	ug/kg dry	114	07/25/06	AR	SW 8270C
2-Chloronaphthalene	<56.9	ug/kg dry	56.9	07/25/06	AR	SW 8270C
2-Chlorophenol	<114	ug/kg dry	114	07/25/06	AR	SW 8270C
4-Chlorophenyl phenyl ether	<114	ug/kg dry	114	07/25/06	AR	SW 8270C
Chrysene	201	ug/kg dry	114	07/25/06	AR	SW 8270C
Dibenz (a,h) anthracene	<114	ug/kg dry	114	07/25/06	AR	SW 8270C
Dibenzofuran	<285	ug/kg dry	285	07/25/06	AR	SW 8270C
Di-n-butyl phthalate	140	ug/kg dry	114	07/25/06	AR	SW 8270C
1,4-Dichlorobenzene	<114	ug/kg dry	114	07/25/06	AR	SW 8270C
1,2-Dichlorobenzene	<56.9	ug/kg dry	56.9	07/25/06	AR	SW 8270C
1,3-Dichlorobenzene	<114	ug/kg dry	114	07/25/06	AR	SW 8270C
2,4-Dichlorophenol	<114	ug/kg dry	114	07/25/06	AR	SW 8270C
Diethyl phthalate	<114	ug/kg dry	114	07/25/06	AR	SW 8270C
2,4-Dimethylphenol	<56.9	ug/kg dry	56.9	07/25/06	AR	SW 8270C
Dimethyl phthalate	<56.9	ug/kg dry	56.9	07/25/06	AR	SW 8270C
4,6-Dinitro-2-methylphenol	<285	ug/kg dry	285	07/25/06	AR	SW 8270C
3,3'-Dichlorobenzidine	<285	ug/kg dry	285	07/25/06	AR	SW 8270C
2,4-Dinitrophenol	<285	ug/kg dry	285	07/25/06	AR	SW 8270C
2,4-Dinitrotoluene	<114	ug/kg dry	114	07/25/06	AR	SW 8270C
2,6-Dinitrotoluene	<114	ug/kg dry	114	07/25/06	AR	SW 8270C



Lab ID Number: 0607074-02

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Di-n-octyl phthalate	<285	ug/kg dry	285	07/25/06	AR	SW 8270C
Bis(2-ethylhexyl)phthalate	579	ug/kg dry	114	07/25/06	AR	SW 8270C
Fluoranthene	398	ug/kg dry	56.9	07/25/06	AR	SW 8270C
Fluorene	<114	ug/kg dry	114	07/25/06	AR	SW 8270C
Hexachlorobenzene	<114	ug/kg dry	114	07/25/06	AR	SW 8270C
Hexachlorobutadiene	<114	ug/kg dry	114	07/25/06	AR	SW 8270C
Hexachlorocyclopentadiene	<569	ug/kg dry	569	07/25/06	AR	SW 8270C
Hexachloroethane	<114	ug/kg dry	114	07/25/06	AR	SW 8270C
Indeno (1,2,3-cd) pyrene	<114	ug/kg dry	114	07/25/06	AR	SW 8270C
Isophorone	<114	ug/kg dry	114	07/25/06	AR	SW 8270C
2-Methylnaphthalene	<56.9	ug/kg dry	56.9	07/25/06	AR	SW 8270C
2-Methylphenol	<114	ug/kg dry	114	07/25/06	AR	SW 8270C
3 & 4-Methylphenol	<114	ug/kg dry	114	07/25/06	AR	SW 8270C
Naphthalene	<56.9	ug/kg dry	56.9	07/25/06	AR	SW 8270C
2-Nitroaniline	<285	ug/kg dry	285	07/25/06	AR	SW 8270C
4-Nitroaniline	<285	ug/kg dry	285	07/25/06	AR	SW 8270C
3-Nitroaniline	<285	ug/kg dry	285	07/25/06	AR	SW 8270C
Nitrobenzene	<114	ug/kg dry	114	07/25/06	AR	SW 8270C
4-Nitrophenol	<285	ug/kg dry	285	07/25/06	AR	SW 8270C
2-Nitrophenol	<285	ug/kg dry	285	07/25/06	AR	SW 8270C
N-Nitrosodiphenylamine	<114	ug/kg dry	114	07/25/06	AR	SW 8270C
N-Nitrosodi-n-propylamine	<114	ug/kg dry	114	07/25/06	AR	SW 8270C
Pentachlorophenol	<285	ug/kg dry	285	07/25/06	AR	SW 8270C
Phenanthrene	171	ug/kg dry	114	07/25/06	AR	SW 8270C
Phenol	<114	ug/kg dry	114	07/25/06	AR	SW 8270C
Pyrene	329	ug/kg dry	114	07/25/06	AR	SW 8270C
1,2,4-Trichlorobenzene	<56.9	ug/kg dry	56.9	07/25/06	AR	SW 8270C
2,4,5-Trichlorophenol	<114	ug/kg dry	114	07/25/06	AR	SW 8270C
2,4,6-Trichlorophenol	<56.9	ug/kg dry	56.9	07/25/06	AR	SW 8270C



Lab ID Number: 0607074-02

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Extracted 07/22/06 by Soxhlet Extraction for SW 8081.						
alpha-BHC	<0.57	ug/kg dry	0.57	07/27/06	AR	SW 8081
alpha-Chlordane	<0.57	ug/kg dry	0.57	07/27/06	AR	SW 8081
beta-BHC	<0.57	ug/kg dry	0.57	07/27/06	AR	SW 8081
Aldrin	<0.57	ug/kg dry	0.57	07/27/06	AR	SW 8081
gamma-BHC (Lindane)	<0.57	ug/kg dry	0.57	07/27/06	AR	SW 8081
gamma-Chlordane	<0.57	ug/kg dry	0.57	07/27/06	AR	SW 8081
Heptachlor	<0.57	ug/kg dry	0.57	07/27/06	AR	SW 8081
Heptachlor epoxide	<0.57	ug/kg dry	0.57	07/27/06	AR	SW 8081
delta-BHC	<0.57	ug/kg dry	0.57	07/27/06	AR	SW 8081
Endosulfan I	<2.85	ug/kg dry	2.85	07/27/06	AR	SW 8081
Endosulfan II	<2.85	ug/kg dry	2.85	07/27/06	AR	SW 8081
Endosulfan sulfate	<2.85	ug/kg dry	2.85	07/27/06	AR	SW 8081
Endrin	<2.85	ug/kg dry	2.85	07/27/06	AR	SW 8081
Endrin aldehyde	<2.85	ug/kg dry	2.85	07/27/06	AR	SW 8081
Endrin ketone	<2.85	ug/kg dry	2.85	07/27/06	AR	SW 8081
4,4'-DDD	<2.85	ug/kg dry	2.85	07/27/06	AR	SW 8081
4,4'-DDE	<2.85	ug/kg dry	2.85	07/27/06	AR	SW 8081
4,4'-DDT	<2.85	ug/kg dry	2.85	07/27/06	AR	SW 8081
Methoxychlor	<5.69	ug/kg dry	5.69	07/27/06	AR	SW 8081
Dieldrin	<2.85	ug/kg dry	2.85	07/27/06	AR	SW 8081
Chlordane (technical)	<5.69	ug/kg dry	5.69	07/27/06	AR	SW 8081
Toxaphene	<5.69	ug/kg dry	5.69	07/27/06	AR	SW 8081

Extracted 07/22/06 by Soxhlet Extraction for SW 8082.

Aroclor 1016	<22.8	ug/kg dry	22.8	07/27/06	AR	SW 8082
Aroclor 1221	<22.8	ug/kg dry	22.8	07/27/06	AR	SW 8082
Aroclor 1232	<22.8	ug/kg dry	22.8	07/27/06	AR	SW 8082
Aroclor 1242	<22.8	ug/kg dry	22.8	07/27/06	AR	SW 8082
Aroclor 1248	<22.8	ug/kg dry	22.8	07/27/06	AR	SW 8082
Aroclor 1254	<22.8	ug/kg dry	22.8	07/27/06	AR	SW 8082
Aroclor 1260	<22.8	ug/kg dry	22.8	07/27/06	AR	SW 8082

References

EPA - 40 Code of Federal Regulations, Part 136, October 26, 1984.

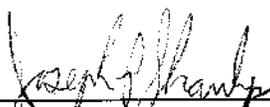
SW - SW 846 3rd Edition.

SM - Standard Methods for the Examination of Water and Wastewater, 18th edition.

LT - Lachat Method Manual, "Methods List for Automated Ion Analyzers", February 2004

New York State ELAP Laboratory ID #10950/EPA Laboratory ID #NY01292/New Jersey DEP Laboratory ID #NY006

Laboratory Director:



Joseph P. Shaulys



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July 28, 2006

Hydro Tech Environmental
 1111 Fulton Street
 Brooklyn, NY 11238

Att: Eva Jakubowska

Sample Description: Soil - 264 North 10th Street Project/ Brooklyn, B-2, 0-2' - 07/14/06
 Sample Collected By: Hydro Tech Environmental
 Purchase Order: Verbal
 Date Samples Received: 7/20/06
 Work Order Number: 0607074
 Lab ID Number: 0607074-03

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Aluminum	10800	mg/kg dry	17.9	07/25/06	DW	SW 6010B
Antimony	5.36	mg/kg dry	0.538	07/25/06	DW	SW 6010B
Arsenic	100	mg/kg dry	0.299	07/25/06	DW	SW 6010B
Barium	402	mg/kg dry	1.49	07/25/06	DW	SW 6010B
Beryllium	0.513	mg/kg dry	0.060	07/25/06	DW	SW 6010B
Cadmium	10.5	mg/kg dry	0.060	07/25/06	DW	SW 6010B
Calcium	15600	mg/kg dry	44.8	07/25/06	DW	SW 6010B
Chromium	27.6	mg/kg dry	0.060	07/25/06	DW	SW 6010B
Cobalt	10.5	mg/kg dry	0.060	07/25/06	DW	SW 6010B
Copper	219	mg/kg dry	0.060	07/25/06	DW	SW 6010B
Iron	48300	mg/kg dry	7.47	07/25/06	DW	SW 6010B
Lead	1090	mg/kg dry	4.48	07/25/06	DW	SW 6010B
Manganese	476	mg/kg dry	0.060	07/25/06	DW	SW 6010B
Magnesium	3510	mg/kg dry	10.5	07/25/06	DW	SW 6010B
Mercury	5.31	mg/kg dry	0.010	07/26/06	DW	SW 7471A
Nickel	22.1	mg/kg dry	0.119	07/25/06	DW	SW 6010B
Potassium	317	mg/kg dry	0.597	07/25/06	DW	SW 6010B
Selenium	<0.597	mg/kg dry	0.597	07/25/06	DW	SW 6010B
Silver	<0.119	mg/kg dry	0.119	07/25/06	DW	SW 6010B
Sodium	70.0	mg/kg dry	0.597	07/25/06	DW	SW 6010B
Thallium	<0.299	mg/kg dry	0.299	07/25/06	DW	SW 6010B
Vanadium	38.7	mg/kg dry	0.119	07/25/06	DW	SW 6010B
Zinc	1440	mg/kg dry	2.99	07/25/06	DW	SW6010B
Acetone	<11.9	ug/kg dry	11.9	07/21/06	VNS	SW 8260B



Lab ID Number: 0607074-03

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Benzene	<1.19	ug/kg dry	1.19	07/21/06	VNS	SW 8260B
Bromodichloromethane	<5.97	ug/kg dry	5.97	07/21/06	VNS	SW 8260B
Bromoform	<1.19	ug/kg dry	1.19	07/21/06	VNS	SW 8260B
Bromomethane	<2.39	ug/kg dry	2.39	07/21/06	VNS	SW 8260B
Carbon disulfide	<5.97	ug/kg dry	5.97	07/21/06	VNS	SW 8260B
Carbon Tetrachloride	<2.39	ug/kg dry	2.39	07/21/06	VNS	SW 8260B
Chlorobenzene	<1.19	ug/kg dry	1.19	07/21/06	VNS	SW 8260B
Chloroethane	<2.39	ug/kg dry	2.39	07/21/06	VNS	SW 8260B
Chloroform	<1.19	ug/kg dry	1.19	07/21/06	VNS	SW 8260B
Chloromethane	<2.39	ug/kg dry	2.39	07/21/06	VNS	SW 8260B
Dibromochloromethane	<5.97	ug/kg dry	5.97	07/21/06	VNS	SW 8260B
1,3-Dichlorobenzene	<2.39	ug/kg dry	2.39	07/21/06	VNS	SW 8260B
1,2-Dichlorobenzene	<1.19	ug/kg dry	1.19	07/21/06	VNS	SW 8260B
1,4-Dichlorobenzene	<1.19	ug/kg dry	1.19	07/21/06	VNS	SW 8260B
1,2-Dichloroethane	<1.19	ug/kg dry	1.19	07/21/06	VNS	SW 8260B
1,1-Dichloroethane	<2.39	ug/kg dry	2.39	07/21/06	VNS	SW 8260B
trans-1,2-Dichloroethene	<1.19	ug/kg dry	1.19	07/21/06	VNS	SW 8260B
cis-1,2-Dichloroethene	<1.19	ug/kg dry	1.19	07/21/06	VNS	SW 8260B
1,1-Dichloroethene	<1.19	ug/kg dry	1.19	07/21/06	VNS	SW 8260B
1,2-Dichloropropane	<2.39	ug/kg dry	2.39	07/21/06	VNS	SW 8260B
cis-1,3-Dichloropropene	<1.19	ug/kg dry	1.19	07/21/06	VNS	SW 8260B
trans-1,3-Dichloropropene	<1.19	ug/kg dry	1.19	07/21/06	VNS	SW 8260B
Ethylbenzene	<2.39	ug/kg dry	2.39	07/21/06	VNS	SW 8260B
Hexachlorobutadiene	<1.19	ug/kg dry	1.19	07/21/06	VNS	SW 8260B
2-Hexanone	<5.97	ug/kg dry	5.97	07/21/06	VNS	SW 8260B
Methylene Chloride	<11.9	ug/kg dry	11.9	07/21/06	VNS	SW 8260B
Methyl Ethyl Ketone	<2.39	ug/kg dry	2.39	07/21/06	VNS	SW 8260B
Methyl Isobutyl Ketone	<5.97	ug/kg dry	5.97	07/21/06	VNS	SW 8260B
Naphthalene	<2.39	ug/kg dry	2.39	07/21/06	VNS	SW 8260B
Styrene	<1.19	ug/kg dry	1.19	07/21/06	VNS	SW 8260B
1,1,2,2-Tetrachloroethane	<2.39	ug/kg dry	2.39	07/21/06	VNS	SW 8260B
Tetrachloroethene	<1.19	ug/kg dry	1.19	07/21/06	VNS	SW 8260B
Toluene	<1.19	ug/kg dry	1.19	07/21/06	VNS	SW 8260B
1,2,4-Trichlorobenzene	<1.19	ug/kg dry	1.19	07/21/06	VNS	SW 8260B
1,1,2-Trichloroethane	<2.39	ug/kg dry	2.39	07/21/06	VNS	SW 8260B
1,1,1-Trichloroethane	<1.19	ug/kg dry	1.19	07/21/06	VNS	SW 8260B
Trichloroethene	<1.19	ug/kg dry	1.19	07/21/06	VNS	SW 8260B
Vinyl acetate	<5.97	ug/kg dry	5.97	07/21/06	VNS	SW 8260B
Vinyl chloride	<5.97	ug/kg dry	5.97	07/21/06	VNS	SW 8260B



Lab ID Number: 0607074-03

Analyte	Results	Units	RL	Analyzed	By	Method
m,p-Xylene	<2.39	ug/kg dry	2.39	07/21/06	VNS	SW 8260B
o-Xylene	<1.19	ug/kg dry	1.19	07/21/06	VNS	SW 8260B

Extracted 07/22/06 by Soxhlet Extraction for SW 8270C.

Acenaphthene	252	ug/kg dry	59.7	07/25/06	AR	SW 8270C
Acenaphthylene	162	ug/kg dry	59.7	07/25/06	AR	SW 8270C
Anthracene	709	ug/kg dry	119	07/25/06	AR	SW 8270C
Benzo (a) anthracene	1630	ug/kg dry	59.7	07/25/06	AR	SW 8270C
Benzo (a) pyrene	1460	ug/kg dry	59.7	07/25/06	AR	SW 8270C
Benzo (b) fluoranthene	1680	ug/kg dry	299	07/25/06	AR	SW 8270C
Benzo (g,h,i) perylene	1050	ug/kg dry	59.7	07/25/06	AR	SW 8270C
Benzo (k) fluoranthene	1070	ug/kg dry	119	07/25/06	AR	SW 8270C
4-Bromophenyl phenyl ether	<59.7	ug/kg dry	59.7	07/25/06	AR	SW 8270C
Butyl benzyl phthalate	<299	ug/kg dry	299	07/25/06	AR	SW 8270C
4-Chloro-3-methylphenol	<119	ug/kg dry	119	07/25/06	AR	SW 8270C
4-Chloroaniline	<299	ug/kg dry	299	07/25/06	AR	SW 8270C
Bis(2-chloroethoxy)methane	<119	ug/kg dry	119	07/25/06	AR	SW 8270C
Bis(2-chloroethyl)ether	<119	ug/kg dry	119	07/25/06	AR	SW 8270C
Bis(2-chloroisopropyl)ether	<119	ug/kg dry	119	07/25/06	AR	SW 8270C
2-Chloronaphthalene	<59.7	ug/kg dry	59.7	07/25/06	AR	SW 8270C
2-Chlorophenol	<119	ug/kg dry	119	07/25/06	AR	SW 8270C
4-Chlorophenyl phenyl ether	<119	ug/kg dry	119	07/25/06	AR	SW 8270C
Chrysene	1660	ug/kg dry	119	07/25/06	AR	SW 8270C
Dibenz (a,h) anthracene	<119	ug/kg dry	119	07/25/06	AR	SW 8270C
Dibenzofuran	<299	ug/kg dry	299	07/25/06	AR	SW 8270C
Di-n-butyl phthalate	<119	ug/kg dry	119	07/25/06	AR	SW 8270C
1,4-Dichlorobenzene	<119	ug/kg dry	119	07/25/06	AR	SW 8270C
1,2-Dichlorobenzene	<59.7	ug/kg dry	59.7	07/25/06	AR	SW 8270C
1,3-Dichlorobenzene	<119	ug/kg dry	119	07/25/06	AR	SW 8270C
2,4-Dichlorophenol	<119	ug/kg dry	119	07/25/06	AR	SW 8270C
Diethyl phthalate	<119	ug/kg dry	119	07/25/06	AR	SW 8270C
2,4-Dimethylphenol	<597	ug/kg dry	597	07/25/06	AR	SW 8270C
Dimethyl phthalate	<59.7	ug/kg dry	59.7	07/25/06	AR	SW 8270C
4,6-Dinitro-2-methylphenol	<299	ug/kg dry	299	07/25/06	AR	SW 8270C
2,4-Dinitrophenol	<299	ug/kg dry	299	07/25/06	AR	SW 8270C
3,3'-Dichlorobenzidine	<299	ug/kg dry	299	07/25/06	AR	SW 8270C
2,4-Dinitrotoluene	<119	ug/kg dry	119	07/25/06	AR	SW 8270C
2,6-Dinitrotoluene	<119	ug/kg dry	119	07/25/06	AR	SW 8270C



Lab ID Number: 0607074-03

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Di-n-octyl phthalate	<299	ug/kg dry	299	07/25/06	AR	SW 8270C
Bis(2-ethylhexyl)phthalate	855	ug/kg dry	119	07/25/06	AR	SW 8270C
Fluoranthene	3830	ug/kg dry	59.7	07/25/06	AR	SW 8270C
Fluorene	226	ug/kg dry	119	07/25/06	AR	SW 8270C
Hexachlorobenzene	<119	ug/kg dry	119	07/25/06	AR	SW 8270C
Hexachlorobutadiene	<119	ug/kg dry	119	07/25/06	AR	SW 8270C
Hexachlorocyclopentadiene	<597	ug/kg dry	597	07/25/06	AR	SW 8270C
Hexachloroethane	<119	ug/kg dry	119	07/25/06	AR	SW 8270C
Indeno (1,2,3-cd) pyrene	461	ug/kg dry	119	07/25/06	AR	SW 8270C
Isophorone	<119	ug/kg dry	119	07/25/06	AR	SW 8270C
2-Methylnaphthalene	<59.7	ug/kg dry	59.7	07/25/06	AR	SW 8270C
2-Methylphenol	<119	ug/kg dry	119	07/25/06	AR	SW 8270C
3 & 4-Methylphenol	<119	ug/kg dry	119	07/25/06	AR	SW 8270C
Naphthalene	68.1	ug/kg dry	59.7	07/25/06	AR	SW 8270C
2-Nitroaniline	<299	ug/kg dry	299	07/25/06	AR	SW 8270C
4-Nitroaniline	<299	ug/kg dry	299	07/25/06	AR	SW 8270C
3-Nitroaniline	<299	ug/kg dry	299	07/25/06	AR	SW 8270C
Nitrobenzene	<119	ug/kg dry	119	07/25/06	AR	SW 8270C
4-Nitrophenol	<299	ug/kg dry	299	07/25/06	AR	SW 8270C
2-Nitrophenol	<299	ug/kg dry	299	07/25/06	AR	SW 8270C
N-Nitrosodiphenylamine	<119	ug/kg dry	119	07/25/06	AR	SW 8270C
N-Nitrosodi-n-propylamine	<119	ug/kg dry	119	07/25/06	AR	SW 8270C
Pentachlorophenol	<299	ug/kg dry	299	07/25/06	AR	SW 8270C
Phenanthrene	2680	ug/kg dry	119	07/25/06	AR	SW 8270C
Phenol	<119	ug/kg dry	119	07/25/06	AR	SW 8270C
Pyrene	3120	ug/kg dry	119	07/25/06	AR	SW 8270C
1,2,4-Trichlorobenzene	<59.7	ug/kg dry	59.7	07/25/06	AR	SW 8270C
2,4,5-Trichlorophenol	<119	ug/kg dry	119	07/25/06	AR	SW 8270C
2,4,6-Trichlorophenol	<59.7	ug/kg dry	59.7	07/25/06	AR	SW 8270C



Lab ID Number: 0607074-03

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Extracted 07/22/06 by Soxhlet Extraction for SW 8081.						
alpha-BHC	<0.60	ug/kg dry	0.60	07/27/06	AR	SW 8081
alpha-Chlordane	<0.60	ug/kg dry	0.60	07/27/06	AR	SW 8081
beta-BHC	<0.60	ug/kg dry	0.60	07/27/06	AR	SW 8081
Aldrin	<0.60	ug/kg dry	0.60	07/27/06	AR	SW 8081
gamma-BHC (Lindane)	<0.60	ug/kg dry	0.60	07/27/06	AR	SW 8081
gamma-Chlordane	<0.60	ug/kg dry	0.60	07/27/06	AR	SW 8081
Heptachlor	<0.60	ug/kg dry	0.60	07/27/06	AR	SW 8081
Heptachlor epoxide	<0.60	ug/kg dry	0.60	07/27/06	AR	SW 8081
delta-BHC	<0.60	ug/kg dry	0.60	07/27/06	AR	SW 8081
Endosulfan I	<2.99	ug/kg dry	2.99	07/27/06	AR	SW 8081
Endosulfan II	<2.99	ug/kg dry	2.99	07/27/06	AR	SW 8081
Endosulfan sulfate	<2.99	ug/kg dry	2.99	07/27/06	AR	SW 8081
Endrin	<2.99	ug/kg dry	2.99	07/27/06	AR	SW 8081
Endrin aldehyde	<2.99	ug/kg dry	2.99	07/27/06	AR	SW 8081
Endrin ketone	<2.99	ug/kg dry	2.99	07/27/06	AR	SW 8081
4,4'-DDD	<2.99	ug/kg dry	2.99	07/27/06	AR	SW 8081
4,4'-DDE	<2.99	ug/kg dry	2.99	07/27/06	AR	SW 8081
4,4'-DDT	<2.99	ug/kg dry	2.99	07/27/06	AR	SW 8081
Methoxychlor	<5.97	ug/kg dry	5.97	07/27/06	AR	SW 8081
Dieldrin	<2.99	ug/kg dry	2.99	07/27/06	AR	SW 8081
Chlordane (technical)	<5.97	ug/kg dry	5.97	07/27/06	AR	SW 8081
Toxaphene	<5.97	ug/kg dry	5.97	07/27/06	AR	SW 8081

Extracted 07/22/06 by Soxhlet Extraction for SW 8082.

Aroclor 1016	<23.9	ug/kg dry	23.9	07/27/06	AR	SW 8082
Aroclor 1221	<23.9	ug/kg dry	23.9	07/27/06	AR	SW 8082
Aroclor 1232	<23.9	ug/kg dry	23.9	07/27/06	AR	SW 8082
Aroclor 1242	<23.9	ug/kg dry	23.9	07/27/06	AR	SW 8082
Aroclor 1248	<23.9	ug/kg dry	23.9	07/27/06	AR	SW 8082
Aroclor 1254	<23.9	ug/kg dry	23.9	07/27/06	AR	SW 8082
Aroclor 1260	<23.9	ug/kg dry	23.9	07/27/06	AR	SW 8082

References

EPA - 40 Code of Federal Regulations, Part 136, October 26, 1984.

SW - SW 846 3rd Edition.

SM - Standard Methods for the Examination of Water and Wastewater, 18th edition.

LT - Lachat Method Manual, "Methods List for Automated Ion Analyzers", February 2004

New York State ELAP Laboratory ID #10950/EPA Laboratory ID #NY01292/New Jersey DEP Laboratory ID #NY006

Laboratory Director:

Joseph P. Shaulys



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July 28, 2006

Hydro Tech Environmental
 1111 Fulton Street
 Brooklyn, NY 11238

Att: Eva Jakubowska

Sample Description: Soil - 264 North 10th Street Project/ Brooklyn, B-2, 6-8' - 07/14/06
 Sample Collected By: Hydro Tech Environmental
 Purchase Order: Verbal
 Date Samples Received: 7/20/06
 Work Order Number: 0607074
 Lab ID Number: 0607074-04

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Aluminum	10900	mg/kg dry	18.0	07/25/06	DW	SW 6010B
Antimony	2.59	mg/kg dry	0.540	07/25/06	DW	SW 6010B
Arsenic	12.5	mg/kg dry	0.300	07/25/06	DW	SW 6010B
Barium	90.9	mg/kg dry	0.060	07/25/06	DW	SW 6010B
Beryllium	0.411	mg/kg dry	0.060	07/25/06	DW	SW 6010B
Cadmium	2.33	mg/kg dry	0.060	07/25/06	DW	SW 6010B
Calcium	21100	mg/kg dry	45.0	07/25/06	DW	SW 6010B
Chromium	17.5	mg/kg dry	0.060	07/25/06	DW	SW 6010B
Cobalt	6.94	mg/kg dry	0.060	07/25/06	DW	SW 6010B
Copper	1420	mg/kg dry	1.50	07/25/06	DW	SW 6010B
Iron	21700	mg/kg dry	7.49	07/25/06	DW	SW 6010B
Lead	91.3	mg/kg dry	0.180	07/25/06	DW	SW 6010B
Manganese	345	mg/kg dry	0.060	07/25/06	DW	SW 6010B
Magnesium	2650	mg/kg dry	10.5	07/25/06	DW	SW 6010B
Mercury	15.3	mg/kg dry	0.021	07/26/06	DW	SW 7471A
Nickel	16.4	mg/kg dry	0.120	07/25/06	DW	SW 6010B
Potassium	1150	mg/kg dry	15.0	07/25/06	DW	SW 6010B
Selenium	<0.600	mg/kg dry	0.600	07/25/06	DW	SW 6010B
Silver	<0.120	mg/kg dry	0.120	07/25/06	DW	SW 6010B
Sodium	33.7	mg/kg dry	0.600	07/25/06	DW	SW 6010B
Thallium	<0.300	mg/kg dry	0.300	07/25/06	DW	SW 6010B
Vanadium	29.4	mg/kg dry	0.120	07/25/06	DW	SW 6010B
Zinc	155	mg/kg dry	0.120	07/25/06	DW	SW6010B
Acetone	<60.0	ug/kg dry	60.0	07/21/06	VNS	SW 8260B



Lab ID Number: 0607074-04

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Benzene	<6.00	ug/kg dry	6.00	07/21/06	VNS	SW 8260B
Bromodichloromethane	<30.0	ug/kg dry	30.0	07/21/06	VNS	SW 8260B
Bromoform	<6.00	ug/kg dry	6.00	07/21/06	VNS	SW 8260B
Bromomethane	<12.0	ug/kg dry	12.0	07/21/06	VNS	SW 8260B
Carbon disulfide	<30.0	ug/kg dry	30.0	07/21/06	VNS	SW 8260B
Carbon Tetrachloride	<12.0	ug/kg dry	12.0	07/21/06	VNS	SW 8260B
Chlorobenzene	<6.00	ug/kg dry	6.00	07/21/06	VNS	SW 8260B
Chloroethane	<12.0	ug/kg dry	12.0	07/21/06	VNS	SW 8260B
Chloroform	<6.00	ug/kg dry	6.00	07/21/06	VNS	SW 8260B
Chloromethane	<12.0	ug/kg dry	12.0	07/21/06	VNS	SW 8260B
Dibromochloromethane	<30.0	ug/kg dry	30.0	07/21/06	VNS	SW 8260B
1,3-Dichlorobenzene	<12.0	ug/kg dry	12.0	07/21/06	VNS	SW 8260B
1,2-Dichlorobenzene	<6.00	ug/kg dry	6.00	07/21/06	VNS	SW 8260B
1,4-Dichlorobenzene	<6.00	ug/kg dry	6.00	07/21/06	VNS	SW 8260B
1,2-Dichloroethane	<6.00	ug/kg dry	6.00	07/21/06	VNS	SW 8260B
1,1-Dichloroethane	<12.0	ug/kg dry	12.0	07/21/06	VNS	SW 8260B
trans-1,2-Dichloroethene	<6.00	ug/kg dry	6.00	07/21/06	VNS	SW 8260B
cis-1,2-Dichloroethene	<6.00	ug/kg dry	6.00	07/21/06	VNS	SW 8260B
1,1-Dichloroethene	<6.00	ug/kg dry	6.00	07/21/06	VNS	SW 8260B
1,2-Dichloropropane	<12.0	ug/kg dry	12.0	07/21/06	VNS	SW 8260B
cis-1,3-Dichloropropene	<6.00	ug/kg dry	6.00	07/21/06	VNS	SW 8260B
trans-1,3-Dichloropropene	<6.00	ug/kg dry	6.00	07/21/06	VNS	SW 8260B
Ethylbenzene	<12.0	ug/kg dry	12.0	07/21/06	VNS	SW 8260B
Hexachlorobutadiene	<6.00	ug/kg dry	6.00	07/21/06	VNS	SW 8260B
2-Hexanone	<30.0	ug/kg dry	30.0	07/21/06	VNS	SW 8260B
Methylene Chloride	<60.0	ug/kg dry	60.0	07/21/06	VNS	SW 8260B
Methyl Ethyl Ketone	<12.0	ug/kg dry	12.0	07/21/06	VNS	SW 8260B
Methyl isobutyl Ketone	<30.0	ug/kg dry	30.0	07/21/06	VNS	SW 8260B
Naphthalene	<12.0	ug/kg dry	12.0	07/21/06	VNS	SW 8260B
Styrene	<6.00	ug/kg dry	6.00	07/21/06	VNS	SW 8260B
1,1,2,2-Tetrachloroethane	<12.0	ug/kg dry	12.0	07/21/06	VNS	SW 8260B
Tetrachloroethene	<6.00	ug/kg dry	6.00	07/21/06	VNS	SW 8260B
Toluene	<6.00	ug/kg dry	6.00	07/21/06	VNS	SW 8260B
1,2,4-Trichlorobenzene	<6.00	ug/kg dry	6.00	07/21/06	VNS	SW 8260B
1,1,2-Trichloroethane	<12.0	ug/kg dry	12.0	07/21/06	VNS	SW 8260B
1,1,1-Trichloroethane	<6.00	ug/kg dry	6.00	07/21/06	VNS	SW 8260B
Trichloroethene	<6.00	ug/kg dry	6.00	07/21/06	VNS	SW 8260B
Vinyl acetate	<30.0	ug/kg dry	30.0	07/21/06	VNS	SW 8260B
Vinyl chloride	<30.0	ug/kg dry	30.0	07/21/06	VNS	SW 8260B



Lab ID Number: 0607074-04

Analyte	Results	Units	RL	Analyzed	By	Method
m,p-Xylene	<12.0	ug/kg dry	12.0	07/21/06	VNS	SW 8260B
o-Xylene	<6.00	ug/kg dry	6.00	07/21/06	VNS	SW 8260B

Extracted 07/22/06 by Soxhlet Extraction for SW 8270C.

Acenaphthene	221	ug/kg dry	60.0	07/25/06	AR	SW 8270C
Acenaphthylene	61.2	ug/kg dry	60.0	07/25/06	AR	SW 8270C
Anthracene	<120	ug/kg dry	120	07/25/06	AR	SW 8270C
Benzo (a) anthracene	585	ug/kg dry	60.0	07/25/06	AR	SW 8270C
Benzo (a) pyrene	454	ug/kg dry	60.0	07/25/06	AR	SW 8270C
Benzo (b) fluoranthene	621	ug/kg dry	300	07/25/06	AR	SW 8270C
Benzo (g,h,i) perylene	<60.0	ug/kg dry	60.0	07/25/06	AR	SW 8270C
Benzo (k) fluoranthene	339	ug/kg dry	120	07/25/06	AR	SW 8270C
4-Bromophenyl phenyl ether	<60.0	ug/kg dry	60.0	07/25/06	AR	SW 8270C
Butyl benzyl phthalate	<300	ug/kg dry	300	07/25/06	AR	SW 8270C
4-Chloro-3-methylphenol	<120	ug/kg dry	120	07/25/06	AR	SW 8270C
4-Chloroaniline	<300	ug/kg dry	300	07/25/06	AR	SW 8270C
Bis(2-chloroethoxy)methane	<120	ug/kg dry	120	07/25/06	AR	SW 8270C
Bis(2-chloroethyl)ether	<120	ug/kg dry	120	07/25/06	AR	SW 8270C
Bis(2-chloroisopropyl)ether	<120	ug/kg dry	120	07/25/06	AR	SW 8270C
2-Chloronaphthalene	<60.0	ug/kg dry	60.0	07/25/06	AR	SW 8270C
2-Chlorophenol	<120	ug/kg dry	120	07/25/06	AR	SW 8270C
4-Chlorophenyl phenyl ether	<120	ug/kg dry	120	07/25/06	AR	SW 8270C
Chrysene	690	ug/kg dry	120	07/25/06	AR	SW 8270C
Dibenz (a,h) anthracene	<120	ug/kg dry	120	07/25/06	AR	SW 8270C
Dibenzofuran	<300	ug/kg dry	300	07/25/06	AR	SW 8270C
Di-n-butyl phthalate	<120	ug/kg dry	120	07/25/06	AR	SW 8270C
1,4-Dichlorobenzene	<120	ug/kg dry	120	07/25/06	AR	SW 8270C
1,2-Dichlorobenzene	<60.0	ug/kg dry	60.0	07/25/06	AR	SW 8270C
1,3-Dichlorobenzene	<120	ug/kg dry	120	07/25/06	AR	SW 8270C
2,4-Dichlorophenol	<120	ug/kg dry	120	07/25/06	AR	SW 8270C
Diethyl phthalate	<120	ug/kg dry	120	07/25/06	AR	SW 8270C
2,4-Dimethylphenol	<600	ug/kg dry	600	07/25/06	AR	SW 8270C
Dimethyl phthalate	<60.0	ug/kg dry	60.0	07/25/06	AR	SW 8270C
4,6-Dinitro-2-methylphenol	<300	ug/kg dry	300	07/25/06	AR	SW 8270C
3,3'-Dichlorobenzidine	<300	ug/kg dry	300	07/25/06	AR	SW 8270C
2,4-Dinitrophenol	<300	ug/kg dry	300	07/25/06	AR	SW 8270C
2,4-Dinitrotoluene	<120	ug/kg dry	120	07/25/06	AR	SW 8270C
2,6-Dinitrotoluene	<120	ug/kg dry	120	07/25/06	AR	SW 8270C



Lab ID Number: 0607074-04

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Di-n-octyl phthalate	<300	ug/kg dry	300	07/25/06	AR	SW 8270C
Bis(2-ethylhexyl)phthalate	4770	ug/kg dry	120	07/25/06	AR	SW 8270C
Fluoranthene	1480	ug/kg dry	60.0	07/25/06	AR	SW 8270C
Fluorene	296	ug/kg dry	120	07/25/06	AR	SW 8270C
Hexachlorobenzene	<120	ug/kg dry	120	07/25/06	AR	SW 8270C
Hexachlorobutadiene	<120	ug/kg dry	120	07/25/06	AR	SW 8270C
Hexachlorocyclopentadiene	<600	ug/kg dry	600	07/25/06	AR	SW 8270C
Hexachloroethane	<120	ug/kg dry	120	07/25/06	AR	SW 8270C
Indeno (1,2,3-cd) pyrene	<120	ug/kg dry	120	07/25/06	AR	SW 8270C
Isophorone	<120	ug/kg dry	120	07/25/06	AR	SW 8270C
2-Methylnaphthalene	<60.0	ug/kg dry	60.0	07/25/06	AR	SW 8270C
2-Methylphenol	<120	ug/kg dry	120	07/25/06	AR	SW 8270C
3 & 4-Methylphenol	<120	ug/kg dry	120	07/25/06	AR	SW 8270C
Naphthalene	<60.0	ug/kg dry	60.0	07/25/06	AR	SW 8270C
2-Nitroaniline	<300	ug/kg dry	300	07/25/06	AR	SW 8270C
4-Nitroaniline	<300	ug/kg dry	300	07/25/06	AR	SW 8270C
3-Nitroaniline	<300	ug/kg dry	300	07/25/06	AR	SW 8270C
Nitrobenzene	<120	ug/kg dry	120	07/25/06	AR	SW 8270C
4-Nitrophenol	<300	ug/kg dry	300	07/25/06	AR	SW 8270C
2-Nitrophenol	<300	ug/kg dry	300	07/25/06	AR	SW 8270C
N-Nitrosodiphenylamine	<120	ug/kg dry	120	07/25/06	AR	SW 8270C
N-Nitrosodi-n-propylamine	<120	ug/kg dry	120	07/25/06	AR	SW 8270C
Pentachlorophenol	<300	ug/kg dry	300	07/25/06	AR	SW 8270C
Phenanthrene	1300	ug/kg dry	120	07/25/06	AR	SW 8270C
Phenol	<120	ug/kg dry	120	07/25/06	AR	SW 8270C
Pyrene	1550	ug/kg dry	120	07/25/06	AR	SW 8270C
1,2,4-Trichlorobenzene	<60.0	ug/kg dry	60.0	07/25/06	AR	SW 8270C
2,4,5-Trichlorophenol	<120	ug/kg dry	120	07/25/06	AR	SW 8270C
2,4,6-Trichlorophenol	<60.0	ug/kg dry	60.0	07/25/06	AR	SW 8270C



Lab ID Number: 0607074-04

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Extracted 07/22/06 by Soxhlet Extraction for SW 8081.						
alpha-BHC	<0.60	ug/kg dry	0.60	07/27/06	AR	SW 8081
alpha-Chlordane	<0.60	ug/kg dry	0.60	07/27/06	AR	SW 8081
beta-BHC	<0.60	ug/kg dry	0.60	07/27/06	AR	SW 8081
Aldrin	<0.60	ug/kg dry	0.60	07/27/06	AR	SW 8081
gamma-BHC (Lindane)	<0.60	ug/kg dry	0.60	07/27/06	AR	SW 8081
gamma-Chlordane	<0.60	ug/kg dry	0.60	07/27/06	AR	SW 8081
Heptachlor	<0.60	ug/kg dry	0.60	07/27/06	AR	SW 8081
Heptachlor epoxide	<0.60	ug/kg dry	0.60	07/27/06	AR	SW 8081
delta-BHC	<0.60	ug/kg dry	0.60	07/27/06	AR	SW 8081
Endosulfan I	<3.00	ug/kg dry	3.00	07/27/06	AR	SW 8081
Endosulfan II	<3.00	ug/kg dry	3.00	07/27/06	AR	SW 8081
Endosulfan sulfate	<3.00	ug/kg dry	3.00	07/27/06	AR	SW 8081
Endrin	<3.00	ug/kg dry	3.00	07/27/06	AR	SW 8081
Endrin aldehyde	<3.00	ug/kg dry	3.00	07/27/06	AR	SW 8081
Endrin ketone	<3.00	ug/kg dry	3.00	07/27/06	AR	SW 8081
4,4'-DDD	<3.00	ug/kg dry	3.00	07/27/06	AR	SW 8081
4,4'-DDE	<3.00	ug/kg dry	3.00	07/27/06	AR	SW 8081
4,4'-DDT	<3.00	ug/kg dry	3.00	07/27/06	AR	SW 8081
Methoxychlor	<6.00	ug/kg dry	6.00	07/27/06	AR	SW 8081
Dieldrin	<3.00	ug/kg dry	3.00	07/27/06	AR	SW 8081
Chlordane (technical)	<6.00	ug/kg dry	6.00	07/27/06	AR	SW 8081
Toxaphene	<6.00	ug/kg dry	6.00	07/27/06	AR	SW 8081

Extracted 07/22/06 by Soxhlet Extraction for SW 8082.

Aroclor 1016	<24.0	ug/kg dry	24.0	07/27/06	AR	SW 8082
Aroclor 1221	<24.0	ug/kg dry	24.0	07/27/06	AR	SW 8082
Aroclor 1232	<24.0	ug/kg dry	24.0	07/27/06	AR	SW 8082
Aroclor 1242	<24.0	ug/kg dry	24.0	07/27/06	AR	SW 8082
Aroclor 1248	<24.0	ug/kg dry	24.0	07/27/06	AR	SW 8082
Aroclor 1254	<24.0	ug/kg dry	24.0	07/27/06	AR	SW 8082
Aroclor 1260	<24.0	ug/kg dry	24.0	07/27/06	AR	SW 8082



References

EPA - 40 Code of Federal Regulations, Part 136, October 26, 1984.

SW - SW 846 3rd Edition.

SM - Standard Methods for the Examination of Water and Wastewater, 18th edition.

LT - Lachat Method Manual, "Methods List for Automated Ion Analyzers", February 2004

New York State ELAP Laboratory ID #10950/EPA Laboratory ID #NY01292/New Jersey DEP Laboratory ID #NY006

Laboratory Director:


Joseph P. Shaulys



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 Website: www.SouthMallLabs.com

July 28, 2006

Hydro Tech Environmental
 1111 Fulton Street
 Brooklyn, NY 11238

Att: Eva Jakubowska

Sample Description: Soil - 264 North 10th Street Project/ Brooklyn, B-3, 0-2' - 07/19/06
 Sample Collected By: Hydro Tech Environmental
 Purchase Order: Verbal
 Date Samples Received: 7/20/06
 Work Order Number: 0607074
 Lab ID Number: 0607074-05

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Aluminum	8270	mg/kg dry	17.7	07/25/06	DW	SW 6010B
Antimony	7.28	mg/kg dry	0.532	07/25/06	DW	SW 6010B
Arsenic	28.2	mg/kg dry	0.296	07/25/06	DW	SW 6010B
Barium	637	mg/kg dry	1.48	07/25/06	DW	SW 6010B
Beryllium	0.322	mg/kg dry	0.059	07/25/06	DW	SW 6010B
Cadmium	4.39	mg/kg dry	0.059	07/25/06	DW	SW 6010B
Calcium	18900	mg/kg dry	44.3	07/25/06	DW	SW 6010B
Chromium	17.6	mg/kg dry	0.059	07/25/06	DW	SW 6010B
Cobalt	7.11	mg/kg dry	0.059	07/25/06	DW	SW 6010B
Copper	72.5	mg/kg dry	0.059	07/25/06	DW	SW 6010B
Iron	26000	mg/kg dry	7.39	07/25/06	DW	SW 6010B
Lead	1360	mg/kg dry	4.43	07/25/06	DW	SW 6010B
Manganese	2300	mg/kg dry	1.48	07/25/06	DW	SW 6010B
Magnesium	7390	mg/kg dry	10.3	07/25/06	DW	SW 6010B
Mercury	1.92	mg/kg dry	0.010	07/26/06	DW	SW 7471A
Nickel	19.4	mg/kg dry	0.118	07/25/06	DW	SW 6010B
Potassium	1090	mg/kg dry	14.8	07/25/06	DW	SW 6010B
Selenium	<0.591	mg/kg dry	0.591	07/25/06	DW	SW 6010B
Silver	<0.118	mg/kg dry	0.118	07/25/06	DW	SW 6010B
Sodium	49.8	mg/kg dry	0.591	07/25/06	DW	SW 6010B
Thallium	<0.296	mg/kg dry	0.296	07/25/06	DW	SW 6010B
Vanadium	31.6	mg/kg dry	0.118	07/25/06	DW	SW 6010B
Zinc	936	mg/kg dry	2.96	07/25/06	DW	SW6010B
Acetone	<11.8	ug/kg dry	11.8	07/21/06	VNS	SW 8260B



Lab ID Number: 0607074-05

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Benzene	<1.18	ug/kg dry	1.18	07/21/06	VNS	SW 8260B
Bromodichloromethane	<5.91	ug/kg dry	5.91	07/21/06	VNS	SW 8260B
Bromoform	<1.18	ug/kg dry	1.18	07/21/06	VNS	SW 8260B
Bromomethane	<2.36	ug/kg dry	2.36	07/21/06	VNS	SW 8260B
Carbon disulfide	<5.91	ug/kg dry	5.91	07/21/06	VNS	SW 8260B
Carbon Tetrachloride	<2.36	ug/kg dry	2.36	07/21/06	VNS	SW 8260B
Chlorobenzene	<1.18	ug/kg dry	1.18	07/21/06	VNS	SW 8260B
Chloroethane	<2.36	ug/kg dry	2.36	07/21/06	VNS	SW 8260B
Chloroform	<1.18	ug/kg dry	1.18	07/21/06	VNS	SW 8260B
Chloromethane	<2.36	ug/kg dry	2.36	07/21/06	VNS	SW 8260B
Dibromochloromethane	<5.91	ug/kg dry	5.91	07/21/06	VNS	SW 8260B
1,3-Dichlorobenzene	<2.36	ug/kg dry	2.36	07/21/06	VNS	SW 8260B
1,2-Dichlorobenzene	<1.18	ug/kg dry	1.18	07/21/06	VNS	SW 8260B
1,4-Dichlorobenzene	<1.18	ug/kg dry	1.18	07/21/06	VNS	SW 8260B
1,2-Dichloroethane	<1.18	ug/kg dry	1.18	07/21/06	VNS	SW 8260B
1,1-Dichloroethane	<2.36	ug/kg dry	2.36	07/21/06	VNS	SW 8260B
trans-1,2-Dichloroethene	<1.18	ug/kg dry	1.18	07/21/06	VNS	SW 8260B
cis-1,2-Dichloroethene	<1.18	ug/kg dry	1.18	07/21/06	VNS	SW 8260B
1,1-Dichloroethene	<1.18	ug/kg dry	1.18	07/21/06	VNS	SW 8260B
1,2-Dichloropropane	<2.36	ug/kg dry	2.36	07/21/06	VNS	SW 8260B
cis-1,3-Dichloropropene	<1.18	ug/kg dry	1.18	07/21/06	VNS	SW 8260B
trans-1,3-Dichloropropene	<1.18	ug/kg dry	1.18	07/21/06	VNS	SW 8260B
Ethylbenzene	<2.36	ug/kg dry	2.36	07/21/06	VNS	SW 8260B
Hexachlorobutadiene	<1.18	ug/kg dry	1.18	07/21/06	VNS	SW 8260B
2-Hexanone	<5.91	ug/kg dry	5.91	07/21/06	VNS	SW 8260B
Methylene Chloride	<11.8	ug/kg dry	11.8	07/21/06	VNS	SW 8260B
Methyl Ethyl Ketone	<2.36	ug/kg dry	2.36	07/21/06	VNS	SW 8260B
Methyl Isobutyl Ketone	<5.91	ug/kg dry	5.91	07/21/06	VNS	SW 8260B
Naphthalene	<2.36	ug/kg dry	2.36	07/21/06	VNS	SW 8260B
Styrene	<1.18	ug/kg dry	1.18	07/21/06	VNS	SW 8260B
1,1,2,2-Tetrachloroethane	<2.36	ug/kg dry	2.36	07/21/06	VNS	SW 8260B
Tetrachloroethene	<1.18	ug/kg dry	1.18	07/21/06	VNS	SW 8260B
Toluene	<1.18	ug/kg dry	1.18	07/21/06	VNS	SW 8260B
1,2,4-Trichlorobenzene	<1.18	ug/kg dry	1.18	07/21/06	VNS	SW 8260B
1,1,2-Trichloroethane	<2.36	ug/kg dry	2.36	07/21/06	VNS	SW 8260B
1,1,1-Trichloroethane	<1.18	ug/kg dry	1.18	07/21/06	VNS	SW 8260B
Trichloroethene	<1.18	ug/kg dry	1.18	07/21/06	VNS	SW 8260B
Vinyl acetate	<5.91	ug/kg dry	5.91	07/21/06	VNS	SW 8260B
Vinyl chloride	<5.91	ug/kg dry	5.91	07/21/06	VNS	SW 8260B

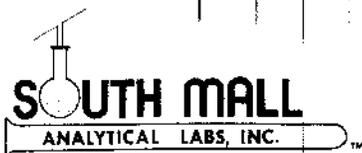


Lab ID Number: 0607074-05

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
m,p-Xylene	<2.36	ug/kg dry	2.36	07/21/06	VNS	SW 8260B
o-Xylene	<1.18	ug/kg dry	1.18	07/21/06	VNS	SW 8260B

Extracted 07/22/06 by Soxhlet Extraction for SW 8270C.

Acenaphthene	<59.1	ug/kg dry	59.1	07/25/06	AR	SW 8270C
Acenaphthylene	<59.1	ug/kg dry	59.1	07/25/06	AR	SW 8270C
Anthracene	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
Benzo (a) anthracene	368	ug/kg dry	59.1	07/25/06	AR	SW 8270C
Benzo (a) pyrene	337	ug/kg dry	59.1	07/25/06	AR	SW 8270C
Benzo (b) fluoranthene	304	ug/kg dry	296	07/25/06	AR	SW 8270C
Benzo (g,h,i) perylene	231	ug/kg dry	59.1	07/25/06	AR	SW 8270C
Benzo (k) fluoranthene	202	ug/kg dry	118	07/25/06	AR	SW 8270C
4-Bromophenyl phenyl ether	<59.1	ug/kg dry	59.1	07/25/06	AR	SW 8270C
Butyl benzyl phthalate	<296	ug/kg dry	296	07/25/06	AR	SW 8270C
4-Chloro-3-methylphenol	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
4-Chloroaniline	<296	ug/kg dry	296	07/25/06	AR	SW 8270C
Bis(2-chloroethoxy)methane	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
Bis(2-chloroethyl)ether	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
Bis(2-chloroisopropyl)ether	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
2-Chloronaphthalene	<59.1	ug/kg dry	59.1	07/25/06	AR	SW 8270C
2-Chlorophenol	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
4-Chlorophenyl phenyl ether	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
Chrysene	393	ug/kg dry	118	07/25/06	AR	SW 8270C
Dibenz (a,h) anthracene	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
Dibenzofuran	<296	ug/kg dry	296	07/25/06	AR	SW 8270C
Di-n-butyl phthalate	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
1,4-Dichlorobenzene	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
1,2-Dichlorobenzene	<59.1	ug/kg dry	59.1	07/25/06	AR	SW 8270C
1,3-Dichlorobenzene	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
2,4-Dichlorophenol	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
Diethyl phthalate	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
2,4-Dimethylphenol	<591	ug/kg dry	591	07/25/06	AR	SW 8270C
Dimethyl phthalate	<59.1	ug/kg dry	59.1	07/25/06	AR	SW 8270C
4,6-Dinitro-2-methylphenol	<296	ug/kg dry	296	07/25/06	AR	SW 8270C
2,4-Dinitrophenol	<296	ug/kg dry	296	07/25/06	AR	SW 8270C
3,3'-Dichlorobenzidine	<296	ug/kg dry	296	07/25/06	AR	SW 8270C
2,4-Dinitrotoluene	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
2,6-Dinitrotoluene	<118	ug/kg dry	118	07/25/06	AR	SW 8270C



Lab ID Number: 0607074-05

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Di-n-octyl phthalate	<296	ug/kg dry	296	07/25/06	AR	SW 8270C
Bis(2-ethylhexyl)phthalate	738	ug/kg dry	118	07/25/06	AR	SW 8270C
Fluoranthene	840	ug/kg dry	59.1	07/25/06	AR	SW 8270C
Fluorene	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
Hexachlorobenzene	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
Hexachlorobutadiene	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
Hexachlorocyclopentadiene	<591	ug/kg dry	591	07/25/06	AR	SW 8270C
Hexachloroethane	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
Indeno (1,2,3-cd) pyrene	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
Isophorone	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
2-Methylnaphthalene	<59.1	ug/kg dry	59.1	07/25/06	AR	SW 8270C
2-Methylphenol	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
3 & 4-Methylphenol	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
Naphthalene	<59.1	ug/kg dry	59.1	07/25/06	AR	SW 8270C
2-Nitroaniline	<296	ug/kg dry	296	07/25/06	AR	SW 8270C
4-Nitroaniline	<296	ug/kg dry	296	07/25/06	AR	SW 8270C
3-Nitroaniline	<296	ug/kg dry	296	07/25/06	AR	SW 8270C
Nitrobenzene	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
4-Nitrophenol	<296	ug/kg dry	296	07/25/06	AR	SW 8270C
2-Nitrophenol	<296	ug/kg dry	296	07/25/06	AR	SW 8270C
N-Nitrosodiphenylamine	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
N-Nitrosodi-n-propylamine	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
Pentachlorophenol	<296	ug/kg dry	296	07/25/06	AR	SW 8270C
Phenanthrene	399	ug/kg dry	118	07/25/06	AR	SW 8270C
Phenol	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
Pyrene	760	ug/kg dry	118	07/25/06	AR	SW 8270C
1,2,4-Trichlorobenzene	<59.1	ug/kg dry	59.1	07/25/06	AR	SW 8270C
2,4,5-Trichlorophenol	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
2,4,6-Trichlorophenol	<59.1	ug/kg dry	59.1	07/25/06	AR	SW 8270C



Lab ID Number: 0607074-05

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Extracted 07/22/06 by Soxhlet Extraction for SW 8081.						
alpha-BHC	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
alpha-Chlordane	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
beta-BHC	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
Aldrin	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
gamma-BHC (Lindane)	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
gamma-Chlordane	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
Heptachlor	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
Heptachlor epoxide	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
delta-BHC	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
Endosulfan I	<2.96	ug/kg dry	2.96	07/27/06	AR	SW 8081
Endosulfan II	<2.96	ug/kg dry	2.96	07/27/06	AR	SW 8081
Endosulfan sulfate	<2.96	ug/kg dry	2.96	07/27/06	AR	SW 8081
Endrin	<2.96	ug/kg dry	2.96	07/27/06	AR	SW 8081
Endrin aldehyde	<2.96	ug/kg dry	2.96	07/27/06	AR	SW 8081
Endrin ketone	<2.96	ug/kg dry	2.96	07/27/06	AR	SW 8081
4,4'-DDD	<2.96	ug/kg dry	2.96	07/27/06	AR	SW 8081
4,4'-DDE	<2.96	ug/kg dry	2.96	07/27/06	AR	SW 8081
4,4'-DDT	<2.96	ug/kg dry	2.96	07/27/06	AR	SW 8081
Methoxychlor	<5.91	ug/kg dry	5.91	07/27/06	AR	SW 8081
Dieldrin	<2.96	ug/kg dry	2.96	07/27/06	AR	SW 8081
Chlordane (technical)	<5.91	ug/kg dry	5.91	07/27/06	AR	SW 8081
Toxaphene	<5.91	ug/kg dry	5.91	07/27/06	AR	SW 8081

Extracted 07/22/06 by Soxhlet Extraction for SW 8082.

Aroclor 1016	<23.6	ug/kg dry	23.6	07/27/06	AR	SW 8082
Aroclor 1221	<23.6	ug/kg dry	23.6	07/27/06	AR	SW 8082
Aroclor 1232	<23.6	ug/kg dry	23.6	07/27/06	AR	SW 8082
Aroclor 1242	<23.6	ug/kg dry	23.6	07/27/06	AR	SW 8082
Aroclor 1248	<23.6	ug/kg dry	23.6	07/27/06	AR	SW 8082
Aroclor 1254	<23.6	ug/kg dry	23.6	07/27/06	AR	SW 8082
Aroclor 1260	<23.6	ug/kg dry	23.6	07/27/06	AR	SW 8082



References

EPA - 40 Code of Federal Regulations, Part 136, October 26, 1984.

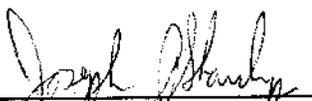
SW - SW 846 3rd Edition.

SM - Standard Methods for the Examination of Water and Wastewater, 18th edition.

LT - Lachat Method Manual, "Methods List for Automated Ion Analyzers", February 2004

New York State ELAP Laboratory ID #10950/EPA Laboratory ID #NY01292/New Jersey DEP Laboratory ID #NY006

Laboratory Director:


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July 28, 2006

Hydro Tech Environmental
 1111 Fulton Street
 Brooklyn, NY 11238

Att: Eva Jakubowska

Sample Description: Soil - 264 North 10th Street Project/ Brooklyn, B-3, 6-8' - 07/19/06
 Sample Collected By: Hydro Tech Environmental
 Purchase Order: Verbal
 Date Samples Received: 7/20/06
 Work Order Number: 0607074
 Lab ID Number: 0607074-06

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Aluminum	10700	mg/kg dry	17.7	07/25/06	DW	SW 6010B
Antimony	3.02	mg/kg dry	0.531	07/25/06	DW	SW 6010B
Arsenic	<0.295	mg/kg dry	0.295	07/25/06	DW	SW 6010B
Barium	75.8	mg/kg dry	0.059	07/25/06	DW	SW 6010B
Beryllium	0.413	mg/kg dry	0.059	07/25/06	DW	SW 6010B
Cadmium	2.62	mg/kg dry	0.059	07/25/06	DW	SW 6010B
Calcium	2110	mg/kg dry	44.3	07/25/06	DW	SW 6010B
Chromium	21.8	mg/kg dry	0.059	07/25/06	DW	SW 6010B
Cobalt	9.04	mg/kg dry	0.059	07/25/06	DW	SW 6010B
Copper	26.6	mg/kg dry	0.059	07/25/06	DW	SW 6010B
Iron	28700	mg/kg dry	7.38	07/25/06	DW	SW 6010B
Lead	75.7	mg/kg dry	0.177	07/25/06	DW	SW 6010B
Manganese	537	mg/kg dry	0.059	07/25/06	DW	SW 6010B
Magnesium	3260	mg/kg dry	10.3	07/25/06	DW	SW 6010B
Mercury	0.748	mg/kg dry	0.002	07/26/06	DW	SW 7471A
Nickel	20.4	mg/kg dry	0.118	07/25/06	DW	SW 6010B
Potassium	2310	mg/kg dry	14.8	07/25/06	DW	SW 6010B
Selenium	<0.591	mg/kg dry	0.591	07/25/06	DW	SW 6010B
Silver	<0.118	mg/kg dry	0.118	07/25/06	DW	SW 6010B
Sodium	84.1	mg/kg dry	0.591	07/25/06	DW	SW 6010B
Thallium	<0.295	mg/kg dry	0.295	07/25/06	DW	SW 6010B
Vanadium	33.2	mg/kg dry	0.118	07/25/06	DW	SW 6010B
Zinc	88.8	mg/kg dry	0.118	07/25/06	DW	SW6010B
Acetone	25.9	ug/kg dry	11.2	07/21/06	VNS	SW 8260B



Lab ID Number: 0607074-06

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Benzene	<1.12	ug/kg dry	1.12	07/21/06	VNS	SW 8260B
Bromodichloromethane	<5.59	ug/kg dry	5.59	07/21/06	VNS	SW 8260B
Bromoform	<1.12	ug/kg dry	1.12	07/21/06	VNS	SW 8260B
Bromomethane	<2.23	ug/kg dry	2.23	07/21/06	VNS	SW 8260B
Carbon disulfide	<5.59	ug/kg dry	5.59	07/21/06	VNS	SW 8260B
Carbon Tetrachloride	<2.23	ug/kg dry	2.23	07/21/06	VNS	SW 8260B
Chlorobenzene	<1.12	ug/kg dry	1.12	07/21/06	VNS	SW 8260B
Chloroethane	<2.23	ug/kg dry	2.23	07/21/06	VNS	SW 8260B
Chloroform	<1.12	ug/kg dry	1.12	07/21/06	VNS	SW 8260B
Chloromethane	<2.23	ug/kg dry	2.23	07/21/06	VNS	SW 8260B
Dibromochloromethane	<5.59	ug/kg dry	5.59	07/21/06	VNS	SW 8260B
1,3-Dichlorobenzene	<2.23	ug/kg dry	2.23	07/21/06	VNS	SW 8260B
1,2-Dichlorobenzene	<1.12	ug/kg dry	1.12	07/21/06	VNS	SW 8260B
1,4-Dichlorobenzene	<1.12	ug/kg dry	1.12	07/21/06	VNS	SW 8260B
1,2-Dichloroethane	<1.12	ug/kg dry	1.12	07/21/06	VNS	SW 8260B
1,1-Dichloroethane	<2.23	ug/kg dry	2.23	07/21/06	VNS	SW 8260B
trans-1,2-Dichloroethene	<1.12	ug/kg dry	1.12	07/21/06	VNS	SW 8260B
cis-1,2-Dichloroethene	<1.12	ug/kg dry	1.12	07/21/06	VNS	SW 8260B
1,1-Dichloroethene	<1.12	ug/kg dry	1.12	07/21/06	VNS	SW 8260B
1,2-Dichloropropane	<2.23	ug/kg dry	2.23	07/21/06	VNS	SW 8260B
cis-1,3-Dichloropropene	<1.12	ug/kg dry	1.12	07/21/06	VNS	SW 8260B
trans-1,3-Dichloropropene	<1.12	ug/kg dry	1.12	07/21/06	VNS	SW 8260B
Ethylbenzene	<2.23	ug/kg dry	2.23	07/21/06	VNS	SW 8260B
Hexachlorobutadiene	<1.12	ug/kg dry	1.12	07/21/06	VNS	SW 8260B
2-Hexanone	<5.59	ug/kg dry	5.59	07/21/06	VNS	SW 8260B
Methylene Chloride	<11.2	ug/kg dry	11.2	07/21/06	VNS	SW 8260B
Methyl Ethyl Ketone	<2.23	ug/kg dry	2.23	07/21/06	VNS	SW 8260B
Methyl Isobutyl Ketone	<5.59	ug/kg dry	5.59	07/21/06	VNS	SW 8260B
Naphthalene	<2.23	ug/kg dry	2.23	07/21/06	VNS	SW 8260B
Styrene	<1.12	ug/kg dry	1.12	07/21/06	VNS	SW 8260B
1,1,2,2-Tetrachloroethane	<2.23	ug/kg dry	2.23	07/21/06	VNS	SW 8260B
Tetrachloroethene	<1.12	ug/kg dry	1.12	07/21/06	VNS	SW 8260B
Toluene	<1.12	ug/kg dry	1.12	07/21/06	VNS	SW 8260B
1,2,4-Trichlorobenzene	<1.12	ug/kg dry	1.12	07/21/06	VNS	SW 8260B
1,1,2-Trichloroethane	<2.23	ug/kg dry	2.23	07/21/06	VNS	SW 8260B
1,1,1-Trichloroethane	<1.12	ug/kg dry	1.12	07/21/06	VNS	SW 8260B
Trichloroethene	<1.12	ug/kg dry	1.12	07/21/06	VNS	SW 8260B
Vinyl acetate	<5.59	ug/kg dry	5.59	07/21/06	VNS	SW 8260B
Vinyl chloride	<5.59	ug/kg dry	5.59	07/21/06	VNS	SW 8260B



Lab ID Number: 0607074-06

Analyte	Results	Units	RL	Analyzed	By	Method
m,p-Xylene	<2.23	ug/kg dry	2.23	07/21/06	VNS	SW 8260B
o-Xylene	<1.12	ug/kg dry	1.12	07/21/06	VNS	SW 8260B

Extracted 07/22/06 by Soxhlet Extraction for SW 8270C.

Acenaphthene	<55.9	ug/kg dry	55.9	07/25/06	AR	SW 8270C
Acenaphthylene	<55.9	ug/kg dry	55.9	07/25/06	AR	SW 8270C
Anthracene	<112	ug/kg dry	112	07/25/06	AR	SW 8270C
Benzo (a) anthracene	357	ug/kg dry	55.9	07/25/06	AR	SW 8270C
Benzo (a) pyrene	373	ug/kg dry	55.9	07/25/06	AR	SW 8270C
Benzo (b) fluoranthene	368	ug/kg dry	279	07/25/06	AR	SW 8270C
Benzo (g,h,i) perylene	242	ug/kg dry	55.9	07/25/06	AR	SW 8270C
Benzo (k) fluoranthene	254	ug/kg dry	112	07/25/06	AR	SW 8270C
4-Bromophenyl phenyl ether	<55.9	ug/kg dry	55.9	07/25/06	AR	SW 8270C
Butyl benzyl phthalate	<279	ug/kg dry	279	07/25/06	AR	SW 8270C
4-Chloro-3-methylphenol	<112	ug/kg dry	112	07/25/06	AR	SW 8270C
4-Chloroaniline	<279	ug/kg dry	279	07/25/06	AR	SW 8270C
Bis(2-chloroethoxy)methane	<112	ug/kg dry	112	07/25/06	AR	SW 8270C
Bis(2-chloroethyl)ether	<112	ug/kg dry	112	07/25/06	AR	SW 8270C
Bis(2-chloroisopropyl)ether	<112	ug/kg dry	112	07/25/06	AR	SW 8270C
2-Chloronaphthalene	<55.9	ug/kg dry	55.9	07/25/06	AR	SW 8270C
2-Chlorophenol	<112	ug/kg dry	112	07/25/06	AR	SW 8270C
4-Chlorophenyl phenyl ether	<112	ug/kg dry	112	07/25/06	AR	SW 8270C
Chrysene	326	ug/kg dry	112	07/25/06	AR	SW 8270C
Dibenz (a,h) anthracene	<112	ug/kg dry	112	07/25/06	AR	SW 8270C
Dibenzofuran	<279	ug/kg dry	279	07/25/06	AR	SW 8270C
Di-n-butyl phthalate	<112	ug/kg dry	112	07/25/06	AR	SW 8270C
1,4-Dichlorobenzene	<112	ug/kg dry	112	07/25/06	AR	SW 8270C
1,2-Dichlorobenzene	<55.9	ug/kg dry	55.9	07/25/06	AR	SW 8270C
1,3-Dichlorobenzene	<112	ug/kg dry	112	07/25/06	AR	SW 8270C
2,4-Dichlorophenol	<112	ug/kg dry	112	07/25/06	AR	SW 8270C
Diethyl phthalate	<112	ug/kg dry	112	07/25/06	AR	SW 8270C
2,4-Dimethylphenol	<559	ug/kg dry	559	07/25/06	AR	SW 8270C
Dimethyl phthalate	<55.9	ug/kg dry	55.9	07/25/06	AR	SW 8270C
4,6-Dinitro-2-methylphenol	<279	ug/kg dry	279	07/25/06	AR	SW 8270C
3,3'-Dichlorobenzidine	<279	ug/kg dry	279	07/25/06	AR	SW 8270C
2,4-Dinitrophenol	<279	ug/kg dry	279	07/25/06	AR	SW 8270C
2,4-Dinitrotoluene	<112	ug/kg dry	112	07/25/06	AR	SW 8270C
2,6-Dinitrotoluene	<112	ug/kg dry	112	07/25/06	AR	SW 8270C



Lab ID Number: 0807074-06

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Di-n-octyl phthalate	<279	ug/kg dry	279	07/25/06	AR	SW 8270C
Bis(2-ethylhexyl)phthalate	397	ug/kg dry	112	07/25/06	AR	SW 8270C
Fluoranthene	287	ug/kg dry	55.9	07/25/06	AR	SW 8270C
Fluorene	<112	ug/kg dry	112	07/25/06	AR	SW 8270C
Hexachlorobenzene	<112	ug/kg dry	112	07/25/06	AR	SW 8270C
Hexachlorobutadiene	<112	ug/kg dry	112	07/25/06	AR	SW 8270C
Hexachlorocyclopentadiene	<559	ug/kg dry	559	07/25/06	AR	SW 8270C
Hexachloroethane	<112	ug/kg dry	112	07/25/06	AR	SW 8270C
Indeno (1,2,3-cd) pyrene	<112	ug/kg dry	112	07/25/06	AR	SW 8270C
Isophorone	<112	ug/kg dry	112	07/25/06	AR	SW 8270C
2-Methylnaphthalene	<55.9	ug/kg dry	55.9	07/25/06	AR	SW 8270C
2-Methylphenol	<112	ug/kg dry	112	07/25/06	AR	SW 8270C
3 & 4-Methylphenol	<112	ug/kg dry	112	07/25/06	AR	SW 8270C
Naphthalene	<55.9	ug/kg dry	55.9	07/25/06	AR	SW 8270C
2-Nitroaniline	<279	ug/kg dry	279	07/25/06	AR	SW 8270C
4-Nitroaniline	<279	ug/kg dry	279	07/25/06	AR	SW 8270C
3-Nitroaniline	<279	ug/kg dry	279	07/25/06	AR	SW 8270C
Nitrobenzene	<112	ug/kg dry	112	07/25/06	AR	SW 8270C
4-Nitrophenol	<279	ug/kg dry	279	07/25/06	AR	SW 8270C
2-Nitrophenol	<279	ug/kg dry	279	07/25/06	AR	SW 8270C
N-Nitrosodiphenylamine	<112	ug/kg dry	112	07/25/06	AR	SW 8270C
N-Nitrosodi-n-propylamine	<112	ug/kg dry	112	07/25/06	AR	SW 8270C
Pentachlorophenol	<279	ug/kg dry	279	07/25/06	AR	SW 8270C
Phenanthrene	128	ug/kg dry	112	07/25/06	AR	SW 8270C
Phenol	<112	ug/kg dry	112	07/25/06	AR	SW 8270C
Pyrene	262	ug/kg dry	112	07/25/06	AR	SW 8270C
1,2,4-Trichlorobenzene	<55.9	ug/kg dry	55.9	07/25/06	AR	SW 8270C
2,4,5-Trichlorophenol	<112	ug/kg dry	112	07/25/06	AR	SW 8270C
2,4,6-Trichlorophenol	<55.9	ug/kg dry	55.9	07/25/06	AR	SW 8270C



Lab ID Number: 0607074-06

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Extracted 07/22/06 by Soxhlet Extraction for SW 8081.						
alpha-BHC	<0.56	ug/kg dry	0.56	07/27/06	AR	SW 8081
alpha-Chlordane	<0.56	ug/kg dry	0.56	07/27/06	AR	SW 8081
beta-BHC	<0.56	ug/kg dry	0.56	07/27/06	AR	SW 8081
Aldrin	<0.56	ug/kg dry	0.56	07/27/06	AR	SW 8081
gamma-BHC (Lindane)	<0.56	ug/kg dry	0.56	07/27/06	AR	SW 8081
gamma-Chlordane	<0.56	ug/kg dry	0.56	07/27/06	AR	SW 8081
Heptachlor	<0.56	ug/kg dry	0.56	07/27/06	AR	SW 8081
Heptachlor epoxide	<0.56	ug/kg dry	0.56	07/27/06	AR	SW 8081
delta-BHC	<0.56	ug/kg dry	0.56	07/27/06	AR	SW 8081
Endosulfan I	<2.79	ug/kg dry	2.79	07/27/06	AR	SW 8081
Endosulfan II	<2.79	ug/kg dry	2.79	07/27/06	AR	SW 8081
Endosulfan sulfate	<2.79	ug/kg dry	2.79	07/27/06	AR	SW 8081
Endrin	<2.79	ug/kg dry	2.79	07/27/06	AR	SW 8081
Endrin aldehyde	<2.79	ug/kg dry	2.79	07/27/06	AR	SW 8081
Endrin ketone	<2.79	ug/kg dry	2.79	07/27/06	AR	SW 8081
4,4'-DDD	<2.79	ug/kg dry	2.79	07/27/06	AR	SW 8081
4,4'-DDE	<2.79	ug/kg dry	2.79	07/27/06	AR	SW 8081
4,4'-DDT	<2.79	ug/kg dry	2.79	07/27/06	AR	SW 8081
Methoxychlor	<5.59	ug/kg dry	5.59	07/27/06	AR	SW 8081
Dieldrin	<2.79	ug/kg dry	2.79	07/27/06	AR	SW 8081
Chlordane (technical)	<5.59	ug/kg dry	5.59	07/27/06	AR	SW 8081
Toxaphene	<5.59	ug/kg dry	5.59	07/27/06	AR	SW 8081

Extracted 07/22/06 by Soxhlet Extraction for SW 8082.

Aroclor 1016	<22.3	ug/kg dry	22.3	07/27/06	AR	SW 8082
Aroclor 1221	<22.3	ug/kg dry	22.3	07/27/06	AR	SW 8082
Aroclor 1232	<22.3	ug/kg dry	22.3	07/27/06	AR	SW 8082
Aroclor 1242	<22.3	ug/kg dry	22.3	07/27/06	AR	SW 8082
Aroclor 1248	<22.3	ug/kg dry	22.3	07/27/06	AR	SW 8082
Aroclor 1254	<22.3	ug/kg dry	22.3	07/27/06	AR	SW 8082
Aroclor 1260	<22.3	ug/kg dry	22.3	07/27/06	AR	SW 8082

References

EPA - 40 Code of Federal Regulations, Part 136, October 26, 1984.

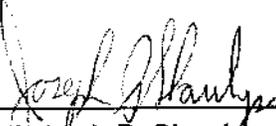
SW - SW 846 3rd Edition.

SM - Standard Methods for the Examination of Water and Wastewater, 18th edition.

LT - Lachat Method Manual, "Methods List for Automated Ion Analyzers", February 2004

New York State ELAP Laboratory ID #10950/EPA Laboratory ID #NY01292/New Jersey DEP Laboratory ID #NY006

Laboratory Director:



Joseph P. Shaulys



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July 28, 2006

Hydro Tech Environmental
 1111 Fulton Street
 Brooklyn, NY 11238

Att: Eva Jakubowska

Sample Description: Soil - 264 North 10th Street Project/ Brooklyn, B-4, 0-2' - 07/19/06
 Sample Collected By: Hydro Tech Environmental
 Purchase Order: Verbal
 Date Samples Received: 7/20/06
 Work Order Number: 0607074
 Lab ID Number: 0607074-07

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Aluminum	10000	mg/kg dry	16.8	07/25/06	DW	SW 6010B
Antimony	2.12	mg/kg dry	0.504	07/25/06	DW	SW 6010B
Arsenic	<0.280	mg/kg dry	0.280	07/25/06	DW	SW 6010B
Barium	41.5	mg/kg dry	0.056	07/25/06	DW	SW 6010B
Beryllium	0.380	mg/kg dry	0.056	07/25/06	DW	SW 6010B
Cadmium	1.73	mg/kg dry	0.056	07/25/06	DW	SW 6010B
Calcium	1680	mg/kg dry	42.0	07/25/06	DW	SW 6010B
Chromium	15.7	mg/kg dry	0.056	07/25/06	DW	SW 6010B
Cobalt	6.49	mg/kg dry	0.056	07/25/06	DW	SW 6010B
Copper	17.9	mg/kg dry	0.056	07/25/06	DW	SW 6010B
Iron	19100	mg/kg dry	7.01	07/25/06	DW	SW 6010B
Lead	36.2	mg/kg dry	0.168	07/25/06	DW	SW 6010B
Magnesium	2590	mg/kg dry	9.81	07/25/06	DW	SW 6010B
Manganese	480	mg/kg dry	0.056	07/25/06	DW	SW 6010B
Mercury	0.221	mg/kg dry	0.001	07/26/06	DW	SW 7471A
Nickel	12.2	mg/kg dry	0.112	07/25/06	DW	SW 6010B
Potassium	1410	mg/kg dry	14.0	07/25/06	DW	SW 6010B
Selenium	<0.561	mg/kg dry	0.561	07/25/06	DW	SW 6010B
Silver	<0.112	mg/kg dry	0.112	07/25/06	DW	SW 6010B
Sodium	34.7	mg/kg dry	0.561	07/25/06	DW	SW 6010B
Thallium	<0.280	mg/kg dry	0.280	07/25/06	DW	SW 6010B
Vanadium	25.9	mg/kg dry	0.112	07/25/06	DW	SW 6010B
Zinc	39.6	mg/kg dry	0.112	07/25/06	DW	SW6010B
Acetone	51.7	ug/kg dry	11.2	07/22/06	VNS	SW 8260B



Lab ID Number: 0607074-07

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Benzene	<1.12	ug/kg dry	1.12	07/22/06	VNS	SW 8260B
Bromodichloromethane	<5.61	ug/kg dry	5.61	07/22/06	VNS	SW 8260B
Bromoform	<1.12	ug/kg dry	1.12	07/22/06	VNS	SW 8260B
Bromomethane	<2.24	ug/kg dry	2.24	07/22/06	VNS	SW 8260B
Carbon disulfide	<5.61	ug/kg dry	5.61	07/22/06	VNS	SW 8260B
Carbon Tetrachloride	<2.24	ug/kg dry	2.24	07/22/06	VNS	SW 8260B
Chlorobenzene	<1.12	ug/kg dry	1.12	07/22/06	VNS	SW 8260B
Chloroethane	<2.24	ug/kg dry	2.24	07/22/06	VNS	SW 8260B
Chloroform	<1.12	ug/kg dry	1.12	07/22/06	VNS	SW 8260B
Chloromethane	<2.24	ug/kg dry	2.24	07/22/06	VNS	SW 8260B
Dibromochloromethane	<5.61	ug/kg dry	5.61	07/22/06	VNS	SW 8260B
1,3-Dichlorobenzene	<2.24	ug/kg dry	2.24	07/22/06	VNS	SW 8260B
1,2-Dichlorobenzene	<1.12	ug/kg dry	1.12	07/22/06	VNS	SW 8260B
1,4-Dichlorobenzene	<1.12	ug/kg dry	1.12	07/22/06	VNS	SW 8260B
1,2-Dichloroethane	<1.12	ug/kg dry	1.12	07/22/06	VNS	SW 8260B
1,1-Dichloroethane	<2.24	ug/kg dry	2.24	07/22/06	VNS	SW 8260B
trans-1,2-Dichloroethene	<1.12	ug/kg dry	1.12	07/22/06	VNS	SW 8260B
cis-1,2-Dichloroethene	<1.12	ug/kg dry	1.12	07/22/06	VNS	SW 8260B
1,1-Dichloroethene	<1.12	ug/kg dry	1.12	07/22/06	VNS	SW 8260B
1,2-Dichloropropane	<2.24	ug/kg dry	2.24	07/22/06	VNS	SW 8260B
cis-1,3-Dichloropropene	<1.12	ug/kg dry	1.12	07/22/06	VNS	SW 8260B
trans-1,3-Dichloropropene	<1.12	ug/kg dry	1.12	07/22/06	VNS	SW 8260B
Ethylbenzene	<2.24	ug/kg dry	2.24	07/22/06	VNS	SW 8260B
Hexachlorobutadiene	<1.12	ug/kg dry	1.12	07/22/06	VNS	SW 8260B
2-Hexanone	<5.61	ug/kg dry	5.61	07/22/06	VNS	SW 8260B
Methylene Chloride	<11.2	ug/kg dry	11.2	07/22/06	VNS	SW 8260B
Methyl Ethyl Ketone	13.9	ug/kg dry	2.24	07/22/06	VNS	SW 8260B
Methyl Isobutyl Ketone	<5.61	ug/kg dry	5.61	07/22/06	VNS	SW 8260B
Naphthalene	<2.24	ug/kg dry	2.24	07/22/06	VNS	SW 8260B
Styrene	<1.12	ug/kg dry	1.12	07/22/06	VNS	SW 8260B
1,1,2,2-Tetrachloroethane	<2.24	ug/kg dry	2.24	07/22/06	VNS	SW 8260B
Tetrachloroethene	<1.12	ug/kg dry	1.12	07/22/06	VNS	SW 8260B
Toluene	<1.12	ug/kg dry	1.12	07/22/06	VNS	SW 8260B
1,2,4-Trichlorobenzene	<1.12	ug/kg dry	1.12	07/22/06	VNS	SW 8260B
1,1,2-Trichloroethane	<2.24	ug/kg dry	2.24	07/22/06	VNS	SW 8260B
1,1,1-Trichloroethane	<1.12	ug/kg dry	1.12	07/22/06	VNS	SW 8260B
Trichloroethene	<1.12	ug/kg dry	1.12	07/22/06	VNS	SW 8260B
Vinyl acetate	<5.61	ug/kg dry	5.61	07/22/06	VNS	SW 8260B
Vinyl chloride	<5.61	ug/kg dry	5.61	07/22/06	VNS	SW 8260B



Lab ID Number: 0607074-07

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
m,p-Xylene	<2.24	ug/kg dry	2.24	07/22/06	VNS	SW 8260B
o-Xylene	<1.12	ug/kg dry	1.12	07/22/06	VNS	SW 8260B

Extracted 07/22/06 by Soxhlet Extraction for SW 8270C.

Acenaphthene	<56.1	ug/kg dry	56.1	07/25/06	AR	SW 8270C
Acenaphthylene	<56.1	ug/kg dry	56.1	07/25/06	AR	SW 8270C
Anthracene	<112	ug/kg dry	112	07/25/06	AR	SW 8270C
Benzo (a) anthracene	<56.1	ug/kg dry	56.1	07/25/06	AR	SW 8270C
Benzo (a) pyrene	<56.1	ug/kg dry	56.1	07/25/06	AR	SW 8270C
Benzo (b) fluoranthene	<280	ug/kg dry	280	07/25/06	AR	SW 8270C
Benzo (g,h,i) perylene	<56.1	ug/kg dry	56.1	07/25/06	AR	SW 8270C
Benzo (k) fluoranthene	<112	ug/kg dry	112	07/25/06	AR	SW 8270C
4-Bromophenyl phenyl ether	<56.1	ug/kg dry	56.1	07/25/06	AR	SW 8270C
Butyl benzyl phthalate	<280	ug/kg dry	280	07/25/06	AR	SW 8270C
4-Chloro-3-methylphenol	<112	ug/kg dry	112	07/25/06	AR	SW 8270C
4-Chloroaniline	<280	ug/kg dry	280	07/25/06	AR	SW 8270C
Bis(2-chloroethoxy)methane	<112	ug/kg dry	112	07/25/06	AR	SW 8270C
Bis(2-chloroethyl)ether	<112	ug/kg dry	112	07/25/06	AR	SW 8270C
Bis(2-chloroisopropyl)ether	<112	ug/kg dry	112	07/25/06	AR	SW 8270C
2-Chloronaphthalene	<56.1	ug/kg dry	56.1	07/25/06	AR	SW 8270C
2-Chlorophenol	<112	ug/kg dry	112	07/25/06	AR	SW 8270C
4-Chlorophenyl phenyl ether	<112	ug/kg dry	112	07/25/06	AR	SW 8270C
Chrysene	<112	ug/kg dry	112	07/25/06	AR	SW 8270C
Dibenz (a,h) anthracene	<112	ug/kg dry	112	07/25/06	AR	SW 8270C
Dibenzofuran	<280	ug/kg dry	280	07/25/06	AR	SW 8270C
Di-n-butyl phthalate	<112	ug/kg dry	112	07/25/06	AR	SW 8270C
1,4-Dichlorobenzene	<112	ug/kg dry	112	07/25/06	AR	SW 8270C
1,2-Dichlorobenzene	<56.1	ug/kg dry	56.1	07/25/06	AR	SW 8270C
1,3-Dichlorobenzene	<112	ug/kg dry	112	07/25/06	AR	SW 8270C
2,4-Dichlorophenol	<112	ug/kg dry	112	07/25/06	AR	SW 8270C
Diethyl phthalate	<112	ug/kg dry	112	07/25/06	AR	SW 8270C
2,4-Dimethylphenol	<56.1	ug/kg dry	56.1	07/25/06	AR	SW 8270C
Dimethyl phthalate	<56.1	ug/kg dry	56.1	07/25/06	AR	SW 8270C
4,6-Dinitro-2-methylphenol	<280	ug/kg dry	280	07/25/06	AR	SW 8270C
2,4-Dinitrophenol	<280	ug/kg dry	280	07/25/06	AR	SW 8270C
3,3'-Dichlorobenzidine	<280	ug/kg dry	280	07/25/06	AR	SW 8270C
2,4-Dinitrotoluene	<112	ug/kg dry	112	07/25/06	AR	SW 8270C
2,6-Dinitrotoluene	<112	ug/kg dry	112	07/25/06	AR	SW 8270C



Lab ID Number: 0607074-07

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Di-n-octyl phthalate	<280	ug/kg dry	280	07/25/06	AR	SW 8270C
Bis(2-ethylhexyl)phthalate	140	ug/kg dry	112	07/25/06	AR	SW 8270C
Fluoranthene	<56.1	ug/kg dry	56.1	07/25/06	AR	SW 8270C
Fluorene	<112	ug/kg dry	112	07/25/06	AR	SW 8270C
Hexachlorobenzene	<112	ug/kg dry	112	07/25/06	AR	SW 8270C
Hexachlorobutadiene	<112	ug/kg dry	112	07/25/06	AR	SW 8270C
Hexachlorocyclopentadiene	<561	ug/kg dry	561	07/25/06	AR	SW 8270C
Hexachloroethane	<112	ug/kg dry	112	07/25/06	AR	SW 8270C
Indeno (1,2,3-cd) pyrene	<112	ug/kg dry	112	07/25/06	AR	SW 8270C
Isophorone	<112	ug/kg dry	112	07/25/06	AR	SW 8270C
2-Methylnaphthalene	<56.1	ug/kg dry	56.1	07/25/06	AR	SW 8270C
2-Methylphenol	<112	ug/kg dry	112	07/25/06	AR	SW 8270C
3 & 4-Methylphenol	<112	ug/kg dry	112	07/25/06	AR	SW 8270C
Naphthalene	<56.1	ug/kg dry	56.1	07/25/06	AR	SW 8270C
2-Nitroaniline	<280	ug/kg dry	280	07/25/06	AR	SW 8270C
4-Nitroaniline	<280	ug/kg dry	280	07/25/06	AR	SW 8270C
3-Nitroaniline	<280	ug/kg dry	280	07/25/06	AR	SW 8270C
Nitrobenzene	<112	ug/kg dry	112	07/25/06	AR	SW 8270C
4-Nitrophenol	<280	ug/kg dry	280	07/25/06	AR	SW 8270C
2-Nitrophenol	<280	ug/kg dry	280	07/25/06	AR	SW 8270C
N-Nitrosodiphenylamine	<112	ug/kg dry	112	07/25/06	AR	SW 8270C
N-Nitrosodi-n-propylamine	<112	ug/kg dry	112	07/25/06	AR	SW 8270C
Pentachlorophenol	<280	ug/kg dry	280	07/25/06	AR	SW 8270C
Phenanthrene	<112	ug/kg dry	112	07/25/06	AR	SW 8270C
Phenol	<112	ug/kg dry	112	07/25/06	AR	SW 8270C
Pyrene	<112	ug/kg dry	112	07/25/06	AR	SW 8270C
1,2,4-Trichlorobenzene	<56.1	ug/kg dry	56.1	07/25/06	AR	SW 8270C
2,4,5-Trichlorophenol	<112	ug/kg dry	112	07/25/06	AR	SW 8270C
2,4,6-Trichlorophenol	<56.1	ug/kg dry	56.1	07/25/06	AR	SW 8270C



Lab ID Number: 0607074-07

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Extracted 07/22/06 by Soxhlet Extraction for SW 8081.						
alpha-BHC	<0.56	ug/kg dry	0.56	07/27/06	AR	SW 8081
alpha-Chlordane	<0.56	ug/kg dry	0.56	07/27/06	AR	SW 8081
beta-BHC	<0.56	ug/kg dry	0.56	07/27/06	AR	SW 8081
Aldrin	<0.56	ug/kg dry	0.56	07/27/06	AR	SW 8081
gamma-BHC (Lindane)	<0.56	ug/kg dry	0.56	07/27/06	AR	SW 8081
gamma-Chlordane	<0.56	ug/kg dry	0.56	07/27/06	AR	SW 8081
Heptachlor	<0.56	ug/kg dry	0.56	07/27/06	AR	SW 8081
Heptachlor epoxide	<0.56	ug/kg dry	0.56	07/27/06	AR	SW 8081
delta-BHC	<0.56	ug/kg dry	0.56	07/27/06	AR	SW 8081
Endosulfan I	<2.80	ug/kg dry	2.80	07/27/06	AR	SW 8081
Endosulfan II	<2.80	ug/kg dry	2.80	07/27/06	AR	SW 8081
Endosulfan sulfate	<2.80	ug/kg dry	2.80	07/27/06	AR	SW 8081
Endrin	<2.80	ug/kg dry	2.80	07/27/06	AR	SW 8081
Endrin aldehyde	<2.80	ug/kg dry	2.80	07/27/06	AR	SW 8081
Endrin ketone	<2.80	ug/kg dry	2.80	07/27/06	AR	SW 8081
4,4'-DDD	<2.80	ug/kg dry	2.80	07/27/06	AR	SW 8081
4,4'-DDE	<2.80	ug/kg dry	2.80	07/27/06	AR	SW 8081
4,4'-DDT	<2.80	ug/kg dry	2.80	07/27/06	AR	SW 8081
Methoxychlor	<5.61	ug/kg dry	5.61	07/27/06	AR	SW 8081
Dieldrin	<2.80	ug/kg dry	2.80	07/27/06	AR	SW 8081
Chlordane (technical)	<5.61	ug/kg dry	5.61	07/27/06	AR	SW 8081
Toxaphene	<5.61	ug/kg dry	5.61	07/27/06	AR	SW 8081
Extracted 07/22/06 by Soxhlet Extraction for SW 8082.						
Aroclor 1016	<22.4	ug/kg dry	22.4	07/27/06	AR	SW 8082
Aroclor 1221	<22.4	ug/kg dry	22.4	07/27/06	AR	SW 8082
Aroclor 1232	<22.4	ug/kg dry	22.4	07/27/06	AR	SW 8082
Aroclor 1242	<22.4	ug/kg dry	22.4	07/27/06	AR	SW 8082
Aroclor 1248	<22.4	ug/kg dry	22.4	07/27/06	AR	SW 8082
Aroclor 1254	<22.4	ug/kg dry	22.4	07/27/06	AR	SW 8082
Aroclor 1260	<22.4	ug/kg dry	22.4	07/27/06	AR	SW 8082

References

EPA - 40 Code of Federal Regulations, Part 136, October 26, 1984.

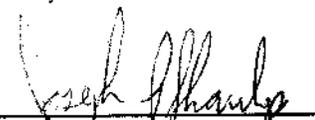
SW - SW 846 3rd Edition.

SM - Standard Methods for the Examination of Water and Wastewater, 18th edition.

LT - Lachat Method Manual, "Methods List for Automated Ion Analyzers", February 2004

New York State ELAP Laboratory ID #10950/EPA Laboratory ID #NY01292/New Jersey DEP Laboratory ID #NY006

Laboratory Director:



Joseph P. Shaulys



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July 28, 2006

Hydro Tech Environmental
 1111 Fulton Street
 Brooklyn, NY 11238

Att: Eva Jakubowska

Sample Description: Soil - 264 North 10th Street Project/ Brooklyn, B-4, 8-10' - 07/19/06
 Sample Collected By: Hydro Tech Environmental
 Purchase Order: Verbal
 Date Samples Received: 7/20/06
 Work Order Number: 0607074
 Lab ID Number: 0607074-08

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Aluminum	20300	mg/kg dry	15.6	07/25/06	DW	SW 6010B
Antimony	<0.469	mg/kg dry	0.469	07/25/06	DW	SW 6010B
Arsenic	1.45	mg/kg dry	0.260	07/25/06	DW	SW 6010B
Barium	93.3	mg/kg dry	0.052	07/25/06	DW	SW 6010B
Beryllium	1.37	mg/kg dry	0.052	07/25/06	DW	SW 6010B
Cadmium	1.84	mg/kg dry	0.052	07/25/06	DW	SW 6010B
Calcium	2560	mg/kg dry	39.0	07/25/06	DW	SW 6010B
Chromium	25.4	mg/kg dry	0.052	07/25/06	DW	SW 6010B
Cobalt	28.4	mg/kg dry	0.052	07/25/06	DW	SW 6010B
Copper	22.2	mg/kg dry	0.052	07/25/06	DW	SW 6010B
Iron	14300	mg/kg dry	6.51	07/25/06	DW	SW 6010B
Lead	148	mg/kg dry	0.156	07/25/06	DW	SW 6010B
Magnesium	3570	mg/kg dry	9.11	07/25/06	DW	SW 6010B
Manganese	150	mg/kg dry	0.052	07/25/06	DW	SW 6010B
Mercury	1.21	mg/kg dry	0.002	07/26/06	DW	SW 7471A
Nickel	35.5	mg/kg dry	0.104	07/25/06	DW	SW 6010B
Potassium	1150	mg/kg dry	13.0	07/25/06	DW	SW 6010B
Selenium	<0.521	mg/kg dry	0.521	07/25/06	DW	SW 6010B
Silver	<0.104	mg/kg dry	0.104	07/25/06	DW	SW 6010B
Sodium	20.1	mg/kg dry	0.521	07/25/06	DW	SW 6010B
Thallium	<0.260	mg/kg dry	0.260	07/25/06	DW	SW 6010B
Vanadium	45.2	mg/kg dry	0.104	07/25/06	DW	SW 6010B
Zinc	435	mg/kg dry	0.104	07/25/06	DW	SW6010B
Acetone	36.2	ug/kg dry	11.8	07/22/06	VNS	SW 8260B



Lab ID Number: 0607074-08

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Benzene	<1.18	ug/kg dry	1.18	07/22/06	VNS	SW 8260B
Bromodichloromethane	<5.88	ug/kg dry	5.88	07/22/06	VNS	SW 8260B
Bromoform	<1.18	ug/kg dry	1.18	07/22/06	VNS	SW 8260B
Bromomethane	<2.35	ug/kg dry	2.35	07/22/06	VNS	SW 8260B
Carbon disulfide	<5.88	ug/kg dry	5.88	07/22/06	VNS	SW 8260B
Carbon Tetrachloride	<2.35	ug/kg dry	2.35	07/22/06	VNS	SW 8260B
Chlorobenzene	<1.18	ug/kg dry	1.18	07/22/06	VNS	SW 8260B
Chloroethane	<2.35	ug/kg dry	2.35	07/22/06	VNS	SW 8260B
Chloroform	<1.18	ug/kg dry	1.18	07/22/06	VNS	SW 8260B
Chloromethane	<2.35	ug/kg dry	2.35	07/22/06	VNS	SW 8260B
Dibromochloromethane	<5.88	ug/kg dry	5.88	07/22/06	VNS	SW 8260B
1,3-Dichlorobenzene	<2.35	ug/kg dry	2.35	07/22/06	VNS	SW 8260B
1,2-Dichlorobenzene	<1.18	ug/kg dry	1.18	07/22/06	VNS	SW 8260B
1,4-Dichlorobenzene	<1.18	ug/kg dry	1.18	07/22/06	VNS	SW 8260B
1,2-Dichloroethane	<1.18	ug/kg dry	1.18	07/22/06	VNS	SW 8260B
1,1-Dichloroethane	<2.35	ug/kg dry	2.35	07/22/06	VNS	SW 8260B
trans-1,2-Dichloroethene	<1.18	ug/kg dry	1.18	07/22/06	VNS	SW 8260B
cis-1,2-Dichloroethene	<1.18	ug/kg dry	1.18	07/22/06	VNS	SW 8260B
1,1-Dichloroethene	<1.18	ug/kg dry	1.18	07/22/06	VNS	SW 8260B
1,2-Dichloropropane	<2.35	ug/kg dry	2.35	07/22/06	VNS	SW 8260B
cis-1,3-Dichloropropene	<1.18	ug/kg dry	1.18	07/22/06	VNS	SW 8260B
trans-1,3-Dichloropropene	<1.18	ug/kg dry	1.18	07/22/06	VNS	SW 8260B
Ethylbenzene	<2.35	ug/kg dry	2.35	07/22/06	VNS	SW 8260B
Hexachlorobutadiene	<1.18	ug/kg dry	1.18	07/22/06	VNS	SW 8260B
2-Hexanone	<5.88	ug/kg dry	5.88	07/22/06	VNS	SW 8260B
Methylene Chloride	<11.8	ug/kg dry	11.8	07/22/06	VNS	SW 8260B
Methyl Ethyl Ketone	9.05	ug/kg dry	2.35	07/22/06	VNS	SW 8260B
Methyl Isobutyl Ketone	<5.88	ug/kg dry	5.88	07/22/06	VNS	SW 8260B
Naphthalene	<2.35	ug/kg dry	2.35	07/22/06	VNS	SW 8260B
Styrene	<1.18	ug/kg dry	1.18	07/22/06	VNS	SW 8260B
1,1,2,2-Tetrachloroethane	<2.35	ug/kg dry	2.35	07/22/06	VNS	SW 8260B
Tetrachloroethene	<1.18	ug/kg dry	1.18	07/22/06	VNS	SW 8260B
Toluene	<1.18	ug/kg dry	1.18	07/22/06	VNS	SW 8260B
1,2,4-Trichlorobenzene	<1.18	ug/kg dry	1.18	07/22/06	VNS	SW 8260B
1,1,2-Trichloroethane	<2.35	ug/kg dry	2.35	07/22/06	VNS	SW 8260B
1,1,1-Trichloroethane	<1.18	ug/kg dry	1.18	07/22/06	VNS	SW 8260B
Trichloroethene	<1.18	ug/kg dry	1.18	07/22/06	VNS	SW 8260B
Vinyl acetate	<5.88	ug/kg dry	5.88	07/22/06	VNS	SW 8260B
Vinyl chloride	<5.88	ug/kg dry	5.88	07/22/06	VNS	SW 8260B

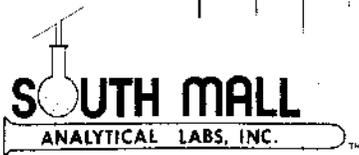


Lab ID Number: 0607074-08

Analyte	Results	Units	RL	Analyzed	By	Method
m,p-Xylene	<2.35	ug/kg dry	2.35	07/22/06	VNS	SW 8260B
o-Xylene	<1.18	ug/kg dry	1.18	07/22/06	VNS	SW 8260B

Extracted 07/22/06 by Soxhlet Extraction for SW 8270C.

Acenaphthene	412	ug/kg dry	58.8	07/26/06	AR	SW 8270C
Acenaphthylene	<58.8	ug/kg dry	58.8	07/26/06	AR	SW 8270C
Anthracene	138	ug/kg dry	118	07/26/06	AR	SW 8270C
Benzo (a) anthracene	257	ug/kg dry	58.8	07/26/06	AR	SW 8270C
Benzo (a) pyrene	237	ug/kg dry	58.8	07/26/06	AR	SW 8270C
Benzo (b) fluoranthene	<294	ug/kg dry	294	07/26/06	AR	SW 8270C
Benzo (g,h,i) perylene	<58.8	ug/kg dry	58.8	07/26/06	AR	SW 8270C
Benzo (k) fluoranthene	188	ug/kg dry	118	07/26/06	AR	SW 8270C
4-Bromophenyl phenyl ether	<58.8	ug/kg dry	58.8	07/26/06	AR	SW 8270C
Butyl benzyl phthalate	<294	ug/kg dry	294	07/26/06	AR	SW 8270C
4-Chloro-3-methylphenol	<118	ug/kg dry	118	07/26/06	AR	SW 8270C
4-Chloroaniline	<294	ug/kg dry	294	07/26/06	AR	SW 8270C
Bis(2-chloroethoxy)methane	<118	ug/kg dry	118	07/26/06	AR	SW 8270C
Bis(2-chloroethyl)ether	<118	ug/kg dry	118	07/26/06	AR	SW 8270C
Bis(2-chloroisopropyl)ether	<118	ug/kg dry	118	07/26/06	AR	SW 8270C
2-Chloronaphthalene	<58.8	ug/kg dry	58.8	07/26/06	AR	SW 8270C
2-Chlorophenol	<118	ug/kg dry	118	07/26/06	AR	SW 8270C
4-Chlorophenyl phenyl ether	<118	ug/kg dry	118	07/26/06	AR	SW 8270C
Chrysene	332	ug/kg dry	118	07/26/06	AR	SW 8270C
Dibenz (a,h) anthracene	<118	ug/kg dry	118	07/26/06	AR	SW 8270C
Dibenzofuran	<294	ug/kg dry	294	07/26/06	AR	SW 8270C
Di-n-butyl phthalate	<118	ug/kg dry	118	07/26/06	AR	SW 8270C
1,4-Dichlorobenzene	<118	ug/kg dry	118	07/26/06	AR	SW 8270C
1,2-Dichlorobenzene	<58.8	ug/kg dry	58.8	07/26/06	AR	SW 8270C
1,3-Dichlorobenzene	<118	ug/kg dry	118	07/26/06	AR	SW 8270C
2,4-Dichlorophenol	<118	ug/kg dry	118	07/26/06	AR	SW 8270C
Diethyl phthalate	<118	ug/kg dry	118	07/26/06	AR	SW 8270C
2,4-Dimethylphenol	<588	ug/kg dry	588	07/26/06	AR	SW 8270C
Dimethyl phthalate	<58.8	ug/kg dry	58.8	07/26/06	AR	SW 8270C
4,6-Dinitro-2-methylphenol	<294	ug/kg dry	294	07/26/06	AR	SW 8270C
3,3'-Dichlorobenzidine	<294	ug/kg dry	294	07/26/06	AR	SW 8270C
2,4-Dinitrophenol	<294	ug/kg dry	294	07/26/06	AR	SW 8270C
2,4-Dinitrotoluene	<118	ug/kg dry	118	07/26/06	AR	SW 8270C
2,6-Dinitrotoluene	<118	ug/kg dry	118	07/26/06	AR	SW 8270C



Lab ID Number: 0607074-08

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Di-n-octyl phthalate	<294	ug/kg dry	294	07/26/06	AR	SW 8270C
Bis(2-ethylhexyl)phthalate	479	ug/kg dry	118	07/26/06	AR	SW 8270C
Fluoranthene	614	ug/kg dry	58.8	07/26/06	AR	SW 8270C
Fluorene	184	ug/kg dry	118	07/26/06	AR	SW 8270C
Hexachlorobenzene	<118	ug/kg dry	118	07/26/06	AR	SW 8270C
Hexachlorobutadiene	<118	ug/kg dry	118	07/26/06	AR	SW 8270C
Hexachlorocyclopentadiene	<588	ug/kg dry	588	07/26/06	AR	SW 8270C
Hexachloroethane	<118	ug/kg dry	118	07/26/06	AR	SW 8270C
Indeno (1,2,3-cd) pyrene	<118	ug/kg dry	118	07/26/06	AR	SW 8270C
Isophorone	<118	ug/kg dry	118	07/26/06	AR	SW 8270C
2-Methylnaphthalene	<58.8	ug/kg dry	58.8	07/26/06	AR	SW 8270C
2-Methylphenol	<118	ug/kg dry	118	07/26/06	AR	SW 8270C
3 & 4-Methylphenol	<118	ug/kg dry	118	07/26/06	AR	SW 8270C
Naphthalene	124	ug/kg dry	58.8	07/26/06	AR	SW 8270C
2-Nitroaniline	<294	ug/kg dry	294	07/26/06	AR	SW 8270C
4-Nitroaniline	<294	ug/kg dry	294	07/26/06	AR	SW 8270C
3-Nitroaniline	<294	ug/kg dry	294	07/26/06	AR	SW 8270C
Nitrobenzene	<118	ug/kg dry	118	07/26/06	AR	SW 8270C
4-Nitrophenol	<294	ug/kg dry	294	07/26/06	AR	SW 8270C
2-Nitrophenol	<294	ug/kg dry	294	07/26/06	AR	SW 8270C
N-Nitrosodiphenylamine	<118	ug/kg dry	118	07/26/06	AR	SW 8270C
N-Nitrosodi-n-propylamine	<118	ug/kg dry	118	07/26/06	AR	SW 8270C
Pentachlorophenol	<294	ug/kg dry	294	07/26/06	AR	SW 8270C
Phenanthrene	383	ug/kg dry	118	07/26/06	AR	SW 8270C
Phenol	<118	ug/kg dry	118	07/26/06	AR	SW 8270C
Pyrene	538	ug/kg dry	118	07/26/06	AR	SW 8270C
1,2,4-Trichlorobenzene	<58.8	ug/kg dry	58.8	07/26/06	AR	SW 8270C
2,4,5-Trichlorophenol	<118	ug/kg dry	118	07/26/06	AR	SW 8270C
2,4,6-Trichlorophenol	<58.8	ug/kg dry	58.8	07/26/06	AR	SW 8270C



Lab ID Number: 0607074-08

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Extracted 07/22/06 by Soxhlet Extraction for SW 8081.						
alpha-BHC	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
alpha-Chlordane	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
beta-BHC	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
Aldrin	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
gamma-BHC (Lindane)	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
gamma-Chlordane	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
Heptachlor	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
Heptachlor epoxide	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
delta-BHC	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
Endosulfan I	<2.94	ug/kg dry	2.94	07/27/06	AR	SW 8081
Endosulfan II	<2.94	ug/kg dry	2.94	07/27/06	AR	SW 8081
Endosulfan sulfate	<2.94	ug/kg dry	2.94	07/27/06	AR	SW 8081
Endrin	<2.94	ug/kg dry	2.94	07/27/06	AR	SW 8081
Endrin aldehyde	<2.94	ug/kg dry	2.94	07/27/06	AR	SW 8081
Endrin ketone	<2.94	ug/kg dry	2.94	07/27/06	AR	SW 8081
4,4'-DDD	<2.94	ug/kg dry	2.94	07/27/06	AR	SW 8081
4,4'-DDE	<2.94	ug/kg dry	2.94	07/27/06	AR	SW 8081
4,4'-DDT	<2.94	ug/kg dry	2.94	07/27/06	AR	SW 8081
Methoxychlor	<5.88	ug/kg dry	5.88	07/27/06	AR	SW 8081
Dieldrin	<2.94	ug/kg dry	2.94	07/27/06	AR	SW 8081
Chlordane (technical)	<5.88	ug/kg dry	5.88	07/27/06	AR	SW 8081
Toxaphene	<5.88	ug/kg dry	5.88	07/27/06	AR	SW 8081

Extracted 07/22/06 by Soxhlet Extraction for SW 8082.

Aroclor 1016	<23.5	ug/kg dry	23.5	07/27/06	AR	SW 8082
Aroclor 1221	<23.5	ug/kg dry	23.5	07/27/06	AR	SW 8082
Aroclor 1232	<23.5	ug/kg dry	23.5	07/27/06	AR	SW 8082
Aroclor 1242	<23.5	ug/kg dry	23.5	07/27/06	AR	SW 8082
Aroclor 1248	<23.5	ug/kg dry	23.5	07/27/06	AR	SW 8082
Aroclor 1254	<23.5	ug/kg dry	23.5	07/27/06	AR	SW 8082
Aroclor 1260	<23.5	ug/kg dry	23.5	07/27/06	AR	SW 8082

References

- EPA - 40 Code of Federal Regulations, Part 136, October 26, 1984.
- SW - SW 846 3rd Edition.
- SM - Standard Methods for the Examination of Water and Wastewater, 18th edition.
- LT - Lachat Method Manual, "*Methods List for Automated Ion Analyzers*", February 2004

New York State ELAP Laboratory ID #10950/EPA Laboratory ID #NY01292/New Jersey DEP Laboratory ID #NY006

Laboratory Director:


Joseph P. Shaulys



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July 28, 2006

Hydro Tech Environmental
 1111 Fulton Street
 Brooklyn, NY 11238

Att: Eva Jakubowska

Sample Description: Soil - 264 North 10th Street Project/ Brooklyn, B-5, 0-2' - 07/19/06
 Sample Collected By: Hydro Tech Environmental
 Purchase Order: Verbal
 Date Samples Received: 7/20/06
 Work Order Number: 0607074
 Lab ID Number: 0607074-09

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Aluminum	6490	mg/kg dry	15.5	07/25/06	DW	SW 6010B
Antimony	1.72	mg/kg dry	0.465	07/25/06	DW	SW 6010B
Arsenic	4.58	mg/kg dry	0.258	07/25/06	DW	SW 6010B
Barium	170	mg/kg dry	0.052	07/25/06	DW	SW 6010B
Beryllium	0.320	mg/kg dry	0.052	07/25/06	DW	SW 6010B
Cadmium	1.94	mg/kg dry	0.052	07/25/06	DW	SW 6010B
Calcium	2800	mg/kg dry	38.8	07/25/06	DW	SW 6010B
Chromium	15.2	mg/kg dry	0.052	07/25/06	DW	SW 6010B
Cobalt	6.17	mg/kg dry	0.052	07/25/06	DW	SW 6010B
Copper	52.4	mg/kg dry	0.052	07/25/06	DW	SW 6010B
Iron	19100	mg/kg dry	6.46	07/25/06	DW	SW 6010B
Lead	363	mg/kg dry	0.155	07/25/06	DW	SW 6010B
Manganese	224	mg/kg dry	0.052	07/25/06	DW	SW 6010B
Magnesium	1880	mg/kg dry	9.05	07/25/06	DW	SW 6010B
Mercury	2.06	mg/kg dry	0.011	07/26/06	DW	SW 7471A
Nickel	14.3	mg/kg dry	0.103	07/25/06	DW	SW 6010B
Potassium	983	mg/kg dry	12.9	07/25/06	DW	SW 6010B
Selenium	<0.517	mg/kg dry	0.517	07/25/06	DW	SW 6010B
Silver	<0.103	mg/kg dry	0.103	07/25/06	DW	SW 6010B
Sodium	24.4	mg/kg dry	0.517	07/25/06	DW	SW 6010B
Thallium	<0.258	mg/kg dry	0.258	07/25/06	DW	SW 6010B
Vanadium	23.6	mg/kg dry	0.103	07/25/06	DW	SW 6010B
Zinc	510	mg/kg dry	0.103	07/25/06	DW	SW6010B
Acetone	<11.8	ug/kg dry	11.8	07/22/06	VNS	SW 8260B



Lab ID Number: 0607074-09

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Benzene	<1.18	ug/kg dry	1.18	07/22/06	VNS	SW 8260B
Bromodichloromethane	<5.88	ug/kg dry	5.88	07/22/06	VNS	SW 8260B
Bromoform	<1.18	ug/kg dry	1.18	07/22/06	VNS	SW 8260B
Bromomethane	<2.35	ug/kg dry	2.35	07/22/06	VNS	SW 8260B
Carbon disulfide	<5.88	ug/kg dry	5.88	07/22/06	VNS	SW 8260B
Carbon Tetrachloride	<2.35	ug/kg dry	2.35	07/22/06	VNS	SW 8260B
Chlorobenzene	<1.18	ug/kg dry	1.18	07/22/06	VNS	SW 8260B
Chloroethane	<2.35	ug/kg dry	2.35	07/22/06	VNS	SW 8260B
Chloroform	2.99	ug/kg dry	1.18	07/22/06	VNS	SW 8260B
Chloromethane	<2.35	ug/kg dry	2.35	07/22/06	VNS	SW 8260B
Dibromochloromethane	<5.88	ug/kg dry	5.88	07/22/06	VNS	SW 8260B
1,3-Dichlorobenzene	<2.35	ug/kg dry	2.35	07/22/06	VNS	SW 8260B
1,2-Dichlorobenzene	<1.18	ug/kg dry	1.18	07/22/06	VNS	SW 8260B
1,4-Dichlorobenzene	<1.18	ug/kg dry	1.18	07/22/06	VNS	SW 8260B
1,2-Dichloroethane	<1.18	ug/kg dry	1.18	07/22/06	VNS	SW 8260B
1,1-Dichloroethane	<2.35	ug/kg dry	2.35	07/22/06	VNS	SW 8260B
trans-1,2-Dichloroethene	<1.18	ug/kg dry	1.18	07/22/06	VNS	SW 8260B
cis-1,2-Dichloroethene	<1.18	ug/kg dry	1.18	07/22/06	VNS	SW 8260B
1,1-Dichloroethene	<1.18	ug/kg dry	1.18	07/22/06	VNS	SW 8260B
1,2-Dichloropropane	<2.35	ug/kg dry	2.35	07/22/06	VNS	SW 8260B
cis-1,3-Dichloropropene	<1.18	ug/kg dry	1.18	07/22/06	VNS	SW 8260B
trans-1,3-Dichloropropene	<1.18	ug/kg dry	1.18	07/22/06	VNS	SW 8260B
Ethylbenzene	<2.35	ug/kg dry	2.35	07/22/06	VNS	SW 8260B
Hexachlorobutadiene	<1.18	ug/kg dry	1.18	07/22/06	VNS	SW 8260B
2-Hexanone	<5.88	ug/kg dry	5.88	07/22/06	VNS	SW 8260B
Methylene Chloride	<11.8	ug/kg dry	11.8	07/22/06	VNS	SW 8260B
Methyl Ethyl Ketone	<2.35	ug/kg dry	2.35	07/22/06	VNS	SW 8260B
Methyl Isobutyl Ketone	<5.88	ug/kg dry	5.88	07/22/06	VNS	SW 8260B
Naphthalene	<2.35	ug/kg dry	2.35	07/22/06	VNS	SW 8260B
Styrene	<1.18	ug/kg dry	1.18	07/22/06	VNS	SW 8260B
1,1,2,2-Tetrachloroethane	<2.35	ug/kg dry	2.35	07/22/06	VNS	SW 8260B
Tetrachloroethene	<1.18	ug/kg dry	1.18	07/22/06	VNS	SW 8260B
Toluene	<1.18	ug/kg dry	1.18	07/22/06	VNS	SW 8260B
1,2,4-Trichlorobenzene	<1.18	ug/kg dry	1.18	07/22/06	VNS	SW 8260B
1,1,2-Trichloroethane	<2.35	ug/kg dry	2.35	07/22/06	VNS	SW 8260B
1,1,1-Trichloroethane	<1.18	ug/kg dry	1.18	07/22/06	VNS	SW 8260B
Trichloroethene	<1.18	ug/kg dry	1.18	07/22/06	VNS	SW 8260B
Vinyl acetate	<5.88	ug/kg dry	5.88	07/22/06	VNS	SW 8260B
Vinyl chloride	<5.88	ug/kg dry	5.88	07/22/06	VNS	SW 8260B

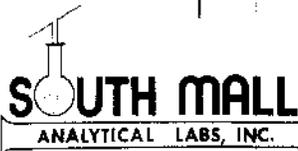


Lab ID Number: 0607074-09

Analyte	Results	Units	RL	Analyzed	By	Method
m,p-Xylene	<2.35	ug/kg dry	2.35	07/22/06	VNS	SW 8260B
o-Xylene	<1.18	ug/kg dry	1.18	07/22/06	VNS	SW 8260B

Extracted 07/22/06 by Soxhlet Extraction for SW 8270C.

Acenaphthene	<58.8	ug/kg dry	58.8	07/25/06	AR	SW 8270C
Acenaphthylene	<58.8	ug/kg dry	58.8	07/25/06	AR	SW 8270C
Anthracene	131	ug/kg dry	118	07/25/06	AR	SW 8270C
Benzo (a) anthracene	389	ug/kg dry	58.8	07/25/06	AR	SW 8270C
Benzo (a) pyrene	336	ug/kg dry	58.8	07/25/06	AR	SW 8270C
Benzo (b) fluoranthene	376	ug/kg dry	294	07/25/06	AR	SW 8270C
Benzo (g,h,i) perylene	371	ug/kg dry	58.8	07/25/06	AR	SW 8270C
Benzo (k) fluoranthene	214	ug/kg dry	118	07/25/06	AR	SW 8270C
4-Bromophenyl phenyl ether	<58.8	ug/kg dry	58.8	07/25/06	AR	SW 8270C
Butyl benzyl phthalate	<294	ug/kg dry	294	07/25/06	AR	SW 8270C
4-Chloro-3-methylphenol	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
4-Chloroaniline	<294	ug/kg dry	294	07/25/06	AR	SW 8270C
Bis(2-chloroethoxy)methane	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
Bis(2-chloroethyl)ether	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
Bis(2-chloroisopropyl)ether	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
2-Chloronaphthalene	<58.8	ug/kg dry	58.8	07/25/06	AR	SW 8270C
2-Chlorophenol	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
4-Chlorophenyl phenyl ether	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
Chrysene	441	ug/kg dry	118	07/25/06	AR	SW 8270C
Dibenz (a,h) anthracene	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
Dibenzofuran	<294	ug/kg dry	294	07/25/06	AR	SW 8270C
Di-n-butyl phthalate	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
1,4-Dichlorobenzene	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
1,2-Dichlorobenzene	<58.8	ug/kg dry	58.8	07/25/06	AR	SW 8270C
1,3-Dichlorobenzene	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
2,4-Dichlorophenol	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
Diethyl phthalate	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
2,4-Dimethylphenol	<588	ug/kg dry	588	07/25/06	AR	SW 8270C
Dimethyl phthalate	<58.8	ug/kg dry	58.8	07/25/06	AR	SW 8270C
4,6-Dinitro-2-methylphenol	<294	ug/kg dry	294	07/25/06	AR	SW 8270C
3,3'-Dichlorobenzidine	<294	ug/kg dry	294	07/25/06	AR	SW 8270C
2,4-Dinitrophenol	<294	ug/kg dry	294	07/25/06	AR	SW 8270C
2,4-Dinitrotoluene	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
2,6-Dinitrotoluene	<118	ug/kg dry	118	07/25/06	AR	SW 8270C



Lab ID Number: 0607074-09

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Di-n-octyl phthalate	<294	ug/kg dry	294	07/25/06	AR	SW 8270C
Bis(2-ethylhexyl)phthalate	122	ug/kg dry	118	07/25/06	AR	SW 8270C
Fluoranthene	927	ug/kg dry	58.8	07/25/06	AR	SW 8270C
Fluorene	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
Hexachlorobenzene	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
Hexachlorobutadiene	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
Hexachlorocyclopentadiene	<588	ug/kg dry	588	07/25/06	AR	SW 8270C
Hexachloroethane	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
Indeno (1,2,3-cd) pyrene	166	ug/kg dry	118	07/25/06	AR	SW 8270C
Isophorone	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
2-Methylnaphthalene	<58.8	ug/kg dry	58.8	07/25/06	AR	SW 8270C
2-Methylphenol	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
3 & 4-Methylphenol	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
Naphthalene	<58.8	ug/kg dry	58.8	07/25/06	AR	SW 8270C
2-Nitroaniline	<294	ug/kg dry	294	07/25/06	AR	SW 8270C
4-Nitroaniline	<294	ug/kg dry	294	07/25/06	AR	SW 8270C
3-Nitroaniline	<294	ug/kg dry	294	07/25/06	AR	SW 8270C
Nitrobenzene	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
4-Nitrophenol	<294	ug/kg dry	294	07/25/06	AR	SW 8270C
2-Nitrophenol	<294	ug/kg dry	294	07/25/06	AR	SW 8270C
N-Nitrosodiphenylamine	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
N-Nitrosodi-n-propylamine	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
Pentachlorophenol	<294	ug/kg dry	294	07/25/06	AR	SW 8270C
Phenanthrene	556	ug/kg dry	118	07/25/06	AR	SW 8270C
Phenol	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
Pyrene	734	ug/kg dry	118	07/25/06	AR	SW 8270C
1,2,4-Trichlorobenzene	<58.8	ug/kg dry	58.8	07/25/06	AR	SW 8270C
2,4,5-Trichlorophenol	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
2,4,6-Trichlorophenol	<58.8	ug/kg dry	58.8	07/25/06	AR	SW 8270C



Lab ID Number: 0607074-09

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Extracted 07/22/06 by Soxhlet Extraction for SW 8081.						
alpha-BHC	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
alpha-Chlordane	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
beta-BHC	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
Aldrin	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
gamma-BHC (Lindane)	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
gamma-Chlordane	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
Heptachlor	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
Heptachlor epoxide	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
delta-BHC	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
Endosulfan I	<2.94	ug/kg dry	2.94	07/27/06	AR	SW 8081
Endosulfan II	<2.94	ug/kg dry	2.94	07/27/06	AR	SW 8081
Endosulfan sulfate	<2.94	ug/kg dry	2.94	07/27/06	AR	SW 8081
Endrin	<2.94	ug/kg dry	2.94	07/27/06	AR	SW 8081
Endrin aldehyde	<2.94	ug/kg dry	2.94	07/27/06	AR	SW 8081
Endrin ketone	<2.94	ug/kg dry	2.94	07/27/06	AR	SW 8081
4,4'-DDD	<2.94	ug/kg dry	2.94	07/27/06	AR	SW 8081
4,4'-DDE	<2.94	ug/kg dry	2.94	07/27/06	AR	SW 8081
4,4'-DDT	<2.94	ug/kg dry	2.94	07/27/06	AR	SW 8081
Methoxychlor	<5.88	ug/kg dry	5.88	07/27/06	AR	SW 8081
Dieldrin	<2.94	ug/kg dry	2.94	07/27/06	AR	SW 8081
Chlordane (technical)	<5.88	ug/kg dry	5.88	07/27/06	AR	SW 8081
Toxaphene	<5.88	ug/kg dry	5.88	07/27/06	AR	SW 8081
Extracted 07/22/06 by Soxhlet Extraction for SW 8082.						
Aroclor 1016	<23.5	ug/kg dry	23.5	07/27/06	AR	SW 8082
Aroclor 1221	<23.5	ug/kg dry	23.5	07/27/06	AR	SW 8082
Aroclor 1232	<23.5	ug/kg dry	23.5	07/27/06	AR	SW 8082
Aroclor 1242	<23.5	ug/kg dry	23.5	07/27/06	AR	SW 8082
Aroclor 1248	<23.5	ug/kg dry	23.5	07/27/06	AR	SW 8082
Aroclor 1254	<23.5	ug/kg dry	23.5	07/27/06	AR	SW 8082
Aroclor 1260	<23.5	ug/kg dry	23.5	07/27/06	AR	SW 8082

References

EPA - 40 Code of Federal Regulations, Part 136, October 26, 1984.

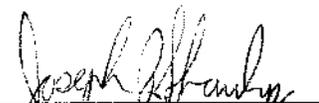
SW - SW 846 3rd Edition.

SM - Standard Methods for the Examination of Water and Wastewater, 18th edition.

LT - Lachat Method Manual, "Methods List for Automated Ion Analyzers", February 2004

New York State ELAP Laboratory ID #10950/EPA Laboratory ID #NY01292/New Jersey DEP Laboratory ID #NY006

Laboratory Director:


Joseph P. Shaulys



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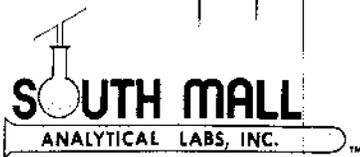
July 28, 2006

Hydro Tech Environmental
 1111 Fulton Street
 Brooklyn, NY 11238

Att: Eva Jakubowska

Sample Description: Soil - 264 North 10th Street Project/ Brooklyn, B-5, 8-10' - 07/19/06
 Sample Collected By: Hydro Tech Environmental
 Purchase Order: Verbal
 Date Samples Received: 7/20/06
 Work Order Number: 0607074
 Lab ID Number: 0607074-10

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Aluminum	10200	mg/kg dry	14.4	07/25/06	DW	SW 6010B
Antimony	2.07	mg/kg dry	0.431	07/25/06	DW	SW 6010B
Arsenic	<0.240	mg/kg dry	0.240	07/25/06	DW	SW 6010B
Barium	136	mg/kg dry	0.048	07/25/06	DW	SW 6010B
Beryllium	0.369	mg/kg dry	0.048	07/25/06	DW	SW 6010B
Cadmium	2.45	mg/kg dry	0.048	07/25/06	DW	SW 6010B
Calcium	4090	mg/kg dry	36.0	07/25/06	DW	SW 6010B
Chromium	16.3	mg/kg dry	0.048	07/25/06	DW	SW 6010B
Cobalt	7.78	mg/kg dry	0.048	07/25/06	DW	SW 6010B
Copper	19.0	mg/kg dry	0.048	07/25/06	DW	SW 6010B
Iron	23400	mg/kg dry	5.99	07/25/06	DW	SW 6010B
Lead	40.9	mg/kg dry	0.144	07/25/06	DW	SW 6010B
Magnesium	2560	mg/kg dry	8.39	07/25/06	DW	SW 6010B
Manganese	1290	mg/kg dry	1.20	07/25/06	DW	SW 6010B
Mercury	0.336	mg/kg dry	0.001	07/26/06	DW	SW 7471A
Nickel	13.3	mg/kg dry	0.096	07/25/06	DW	SW 6010B
Potassium	1150	mg/kg dry	12.0	07/25/06	DW	SW 6010B
Selenium	<0.479	mg/kg dry	0.479	07/25/06	DW	SW 6010B
Silver	<0.096	mg/kg dry	0.096	07/25/06	DW	SW 6010B
Sodium	16.8	mg/kg dry	0.479	07/25/06	DW	SW 6010B
Thallium	<0.240	mg/kg dry	0.240	07/25/06	DW	SW 6010B
Vanadium	25.7	mg/kg dry	0.096	07/25/06	DW	SW 6010B
Zinc	295	mg/kg dry	0.096	07/25/06	DW	SW6010B
Acetone	42.6	ug/kg dry	11.4	07/22/06	VNS	SW 8260B



Lab ID Number: 0607074-10

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Benzene	<1.14	ug/kg dry	1.14	07/22/06	VNS	SW 8260B
Bromodichloromethane	<5.71	ug/kg dry	5.71	07/22/06	VNS	SW 8260B
Bromoform	<1.14	ug/kg dry	1.14	07/22/06	VNS	SW 8260B
Bromomethane	<2.29	ug/kg dry	2.29	07/22/06	VNS	SW 8260B
Carbon disulfide	<5.71	ug/kg dry	5.71	07/22/06	VNS	SW 8260B
Carbon Tetrachloride	<2.29	ug/kg dry	2.29	07/22/06	VNS	SW 8260B
Chlorobenzene	<1.14	ug/kg dry	1.14	07/22/06	VNS	SW 8260B
Chloroethane	<2.29	ug/kg dry	2.29	07/22/06	VNS	SW 8260B
Chloroform	<1.14	ug/kg dry	1.14	07/22/06	VNS	SW 8260B
Chloromethane	<2.29	ug/kg dry	2.29	07/22/06	VNS	SW 8260B
Dibromochloromethane	<5.71	ug/kg dry	5.71	07/22/06	VNS	SW 8260B
1,3-Dichlorobenzene	<2.29	ug/kg dry	2.29	07/22/06	VNS	SW 8260B
1,2-Dichlorobenzene	<1.14	ug/kg dry	1.14	07/22/06	VNS	SW 8260B
1,4-Dichlorobenzene	<1.14	ug/kg dry	1.14	07/22/06	VNS	SW 8260B
1,2-Dichloroethane	<1.14	ug/kg dry	1.14	07/22/06	VNS	SW 8260B
1,1-Dichloroethane	<2.29	ug/kg dry	2.29	07/22/06	VNS	SW 8260B
trans-1,2-Dichloroethene	<1.14	ug/kg dry	1.14	07/22/06	VNS	SW 8260B
cis-1,2-Dichloroethene	<1.14	ug/kg dry	1.14	07/22/06	VNS	SW 8260B
1,1-Dichloroethene	<1.14	ug/kg dry	1.14	07/22/06	VNS	SW 8260B
1,2-Dichloropropane	<2.29	ug/kg dry	2.29	07/22/06	VNS	SW 8260B
cis-1,3-Dichloropropene	<1.14	ug/kg dry	1.14	07/22/06	VNS	SW 8260B
trans-1,3-Dichloropropene	<1.14	ug/kg dry	1.14	07/22/06	VNS	SW 8260B
Ethylbenzene	<2.29	ug/kg dry	2.29	07/22/06	VNS	SW 8260B
Hexachlorobutadiene	<1.14	ug/kg dry	1.14	07/22/06	VNS	SW 8260B
2-Hexanone	<5.71	ug/kg dry	5.71	07/22/06	VNS	SW 8260B
Methylene Chloride	<11.4	ug/kg dry	11.4	07/22/06	VNS	SW 8260B
Methyl Ethyl Ketone	11.1	ug/kg dry	2.29	07/22/06	VNS	SW 8260B
Methyl Isobutyl Ketone	<5.71	ug/kg dry	5.71	07/22/06	VNS	SW 8260B
Naphthalene	<2.29	ug/kg dry	2.29	07/22/06	VNS	SW 8260B
Styrene	<1.14	ug/kg dry	1.14	07/22/06	VNS	SW 8260B
1,1,2,2-Tetrachloroethane	<2.29	ug/kg dry	2.29	07/22/06	VNS	SW 8260B
Tetrachloroethene	<1.14	ug/kg dry	1.14	07/22/06	VNS	SW 8260B
Toluene	<1.14	ug/kg dry	1.14	07/22/06	VNS	SW 8260B
1,2,4-Trichlorobenzene	<1.14	ug/kg dry	1.14	07/22/06	VNS	SW 8260B
1,1,2-Trichloroethane	<2.29	ug/kg dry	2.29	07/22/06	VNS	SW 8260B
1,1,1-Trichloroethane	<1.14	ug/kg dry	1.14	07/22/06	VNS	SW 8260B
Trichloroethene	<1.14	ug/kg dry	1.14	07/22/06	VNS	SW 8260B
Vinyl acetate	<5.71	ug/kg dry	5.71	07/22/06	VNS	SW 8260B
Vinyl chloride	<5.71	ug/kg dry	5.71	07/22/06	VNS	SW 8260B



Lab ID Number: 0607074-10

Analyte	Results	Units	RL	Analyzed	By	Method
m,p-Xylene	<2.29	ug/kg dry	2.29	07/22/06	VNS	SW 8260B
o-Xylene	<1.14	ug/kg dry	1.14	07/22/06	VNS	SW 8260B

Extracted 07/22/06 by Soxhlet Extraction for SW 8270C.

Acenaphthene	<57.1	ug/kg dry	57.1	07/25/06	AR	SW 8270C
Acenaphthylene	<57.1	ug/kg dry	57.1	07/25/06	AR	SW 8270C
Anthracene	<114	ug/kg dry	114	07/25/06	AR	SW 8270C
Benzo (a) anthracene	<57.1	ug/kg dry	57.1	07/25/06	AR	SW 8270C
Benzo (a) pyrene	<57.1	ug/kg dry	57.1	07/25/06	AR	SW 8270C
Benzo (b) fluoranthene	<286	ug/kg dry	286	07/25/06	AR	SW 8270C
Benzo (g,h,i) perylene	<57.1	ug/kg dry	57.1	07/25/06	AR	SW 8270C
Benzo (k) fluoranthene	<114	ug/kg dry	114	07/25/06	AR	SW 8270C
4-Bromophenyl phenyl ether	<57.1	ug/kg dry	57.1	07/25/06	AR	SW 8270C
Butyl benzyl phthalate	<286	ug/kg dry	286	07/25/06	AR	SW 8270C
4-Chloro-3-methylphenol	<114	ug/kg dry	114	07/25/06	AR	SW 8270C
4-Chloroaniline	<286	ug/kg dry	286	07/25/06	AR	SW 8270C
Bis(2-chloroethoxy)methane	<114	ug/kg dry	114	07/25/06	AR	SW 8270C
Bis(2-chloroethyl)ether	<114	ug/kg dry	114	07/25/06	AR	SW 8270C
Bis(2-chloroisopropyl)ether	<114	ug/kg dry	114	07/25/06	AR	SW 8270C
2-Chloronaphthalene	<57.1	ug/kg dry	57.1	07/25/06	AR	SW 8270C
2-Chlorophenol	<114	ug/kg dry	114	07/25/06	AR	SW 8270C
4-Chlorophenyl phenyl ether	<114	ug/kg dry	114	07/25/06	AR	SW 8270C
Chrysene	<114	ug/kg dry	114	07/25/06	AR	SW 8270C
Dibenz (a,h) anthracene	<114	ug/kg dry	114	07/25/06	AR	SW 8270C
Dibenzofuran	<286	ug/kg dry	286	07/25/06	AR	SW 8270C
Di-n-butyl phthalate	<114	ug/kg dry	114	07/25/06	AR	SW 8270C
1,4-Dichlorobenzene	<114	ug/kg dry	114	07/25/06	AR	SW 8270C
1,2-Dichlorobenzene	<57.1	ug/kg dry	57.1	07/25/06	AR	SW 8270C
1,3-Dichlorobenzene	<114	ug/kg dry	114	07/25/06	AR	SW 8270C
2,4-Dichlorophenol	<114	ug/kg dry	114	07/25/06	AR	SW 8270C
Diethyl phthalate	<114	ug/kg dry	114	07/25/06	AR	SW 8270C
2,4-Dimethylphenol	<57.1	ug/kg dry	57.1	07/25/06	AR	SW 8270C
Dimethyl phthalate	<57.1	ug/kg dry	57.1	07/25/06	AR	SW 8270C
4,6-Dinitro-2-methylphenol	<286	ug/kg dry	286	07/25/06	AR	SW 8270C
2,4-Dinitrophenol	<286	ug/kg dry	286	07/25/06	AR	SW 8270C
3,3'-Dichlorobenzidine	<286	ug/kg dry	286	07/25/06	AR	SW 8270C
2,4-Dinitrotoluene	<114	ug/kg dry	114	07/25/06	AR	SW 8270C
2,6-Dinitrotoluene	<114	ug/kg dry	114	07/25/06	AR	SW 8270C



Lab ID Number: 0607074-10

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Di-n-octyl phthalate	<286	ug/kg dry	286	07/25/06	AR	SW 8270C
Bis(2-ethylhexyl)phthalate	275	ug/kg dry	114	07/25/06	AR	SW 8270C
Fluoranthene	70.3	ug/kg dry	57.1	07/25/06	AR	SW 8270C
Fluorene	<114	ug/kg dry	114	07/25/06	AR	SW 8270C
Hexachlorobenzene	<114	ug/kg dry	114	07/25/06	AR	SW 8270C
Hexachlorobutadiene	<114	ug/kg dry	114	07/25/06	AR	SW 8270C
Hexachlorocyclopentadiene	<571	ug/kg dry	571	07/25/06	AR	SW 8270C
Hexachloroethane	<114	ug/kg dry	114	07/25/06	AR	SW 8270C
Indeno (1,2,3-cd) pyrene	<114	ug/kg dry	114	07/25/06	AR	SW 8270C
Isophorone	<114	ug/kg dry	114	07/25/06	AR	SW 8270C
2-Methylnaphthalene	<57.1	ug/kg dry	57.1	07/25/06	AR	SW 8270C
2-Methylphenol	<114	ug/kg dry	114	07/25/06	AR	SW 8270C
3 & 4-Methylphenol	<114	ug/kg dry	114	07/25/06	AR	SW 8270C
Naphthalene	<57.1	ug/kg dry	57.1	07/25/06	AR	SW 8270C
2-Nitroaniline	<286	ug/kg dry	286	07/25/06	AR	SW 8270C
4-Nitroaniline	<286	ug/kg dry	286	07/25/06	AR	SW 8270C
3-Nitroaniline	<286	ug/kg dry	286	07/25/06	AR	SW 8270C
Nitrobenzene	<114	ug/kg dry	114	07/25/06	AR	SW 8270C
4-Nitrophenol	<286	ug/kg dry	286	07/25/06	AR	SW 8270C
2-Nitrophenol	<286	ug/kg dry	286	07/25/06	AR	SW 8270C
N-Nitrosodiphenylamine	<114	ug/kg dry	114	07/25/06	AR	SW 8270C
N-Nitrosodi-n-propylamine	<114	ug/kg dry	114	07/25/06	AR	SW 8270C
Pentachlorophenol	<286	ug/kg dry	286	07/25/06	AR	SW 8270C
Phenanthrene	<114	ug/kg dry	114	07/25/06	AR	SW 8270C
Phenol	<114	ug/kg dry	114	07/25/06	AR	SW 8270C
Pyrene	<114	ug/kg dry	114	07/25/06	AR	SW 8270C
1,2,4-Trichlorobenzene	<57.1	ug/kg dry	57.1	07/25/06	AR	SW 8270C
2,4,5-Trichlorophenol	<114	ug/kg dry	114	07/25/06	AR	SW 8270C
2,4,6-Trichlorophenol	<57.1	ug/kg dry	57.1	07/25/06	AR	SW 8270C



Lab ID Number: 0607074-10

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Extracted 07/22/06 by Soxhlet Extraction for SW 8081.						
alpha-BHC	<0.57	ug/kg dry	0.57	07/27/06	AR	SW 8081
alpha-Chlordane	<0.57	ug/kg dry	0.57	07/27/06	AR	SW 8081
beta-BHC	<0.57	ug/kg dry	0.57	07/27/06	AR	SW 8081
Aldrin	<0.57	ug/kg dry	0.57	07/27/06	AR	SW 8081
gamma-BHC (Lindane)	<0.57	ug/kg dry	0.57	07/27/06	AR	SW 8081
gamma-Chlordane	<0.57	ug/kg dry	0.57	07/27/06	AR	SW 8081
Heptachlor	<0.57	ug/kg dry	0.57	07/27/06	AR	SW 8081
Heptachlor epoxide	<0.57	ug/kg dry	0.57	07/27/06	AR	SW 8081
delta-BHC	<0.57	ug/kg dry	0.57	07/27/06	AR	SW 8081
Endosulfan I	<2.86	ug/kg dry	2.86	07/27/06	AR	SW 8081
Endosulfan II	<2.86	ug/kg dry	2.86	07/27/06	AR	SW 8081
Endosulfan sulfate	<2.86	ug/kg dry	2.86	07/27/06	AR	SW 8081
Endrin	<2.86	ug/kg dry	2.86	07/27/06	AR	SW 8081
Endrin aldehyde	<2.86	ug/kg dry	2.86	07/27/06	AR	SW 8081
Endrin ketone	<2.86	ug/kg dry	2.86	07/27/06	AR	SW 8081
4,4'-DDD	<2.86	ug/kg dry	2.86	07/27/06	AR	SW 8081
4,4'-DDE	<2.86	ug/kg dry	2.86	07/27/06	AR	SW 8081
4,4'-DDT	<2.86	ug/kg dry	2.86	07/27/06	AR	SW 8081
Methoxychlor	<5.71	ug/kg dry	5.71	07/27/06	AR	SW 8081
Dieldrin	<2.86	ug/kg dry	2.86	07/27/06	AR	SW 8081
Chlordane (technical)	<5.71	ug/kg dry	5.71	07/27/06	AR	SW 8081
Toxaphene	<5.71	ug/kg dry	5.71	07/27/06	AR	SW 8081

Extracted 07/22/06 by Soxhlet Extraction for SW 8082.

Aroclor 1016	<22.9	ug/kg dry	22.9	07/27/06	AR	SW 8082
Aroclor 1221	<22.9	ug/kg dry	22.9	07/27/06	AR	SW 8082
Aroclor 1232	<22.9	ug/kg dry	22.9	07/27/06	AR	SW 8082
Aroclor 1242	<22.9	ug/kg dry	22.9	07/27/06	AR	SW 8082
Aroclor 1248	<22.9	ug/kg dry	22.9	07/27/06	AR	SW 8082
Aroclor 1254	<22.9	ug/kg dry	22.9	07/27/06	AR	SW 8082
Aroclor 1260	<22.9	ug/kg dry	22.9	07/27/06	AR	SW 8082

References

EPA - 40 Code of Federal Regulations, Part 136, October 26, 1984.

SW - SW 846 3rd Edition.

SM - Standard Methods for the Examination of Water and Wastewater, 18th edition.

LT - Lachat Method Manual, "Methods List for Automated Ion Analyzers", February 2004

New York State ELAP Laboratory ID #10950/EPA Laboratory ID #NY01292/New Jersey DEP Laboratory ID #NY006

Laboratory Director:

Joseph P. Shaulys

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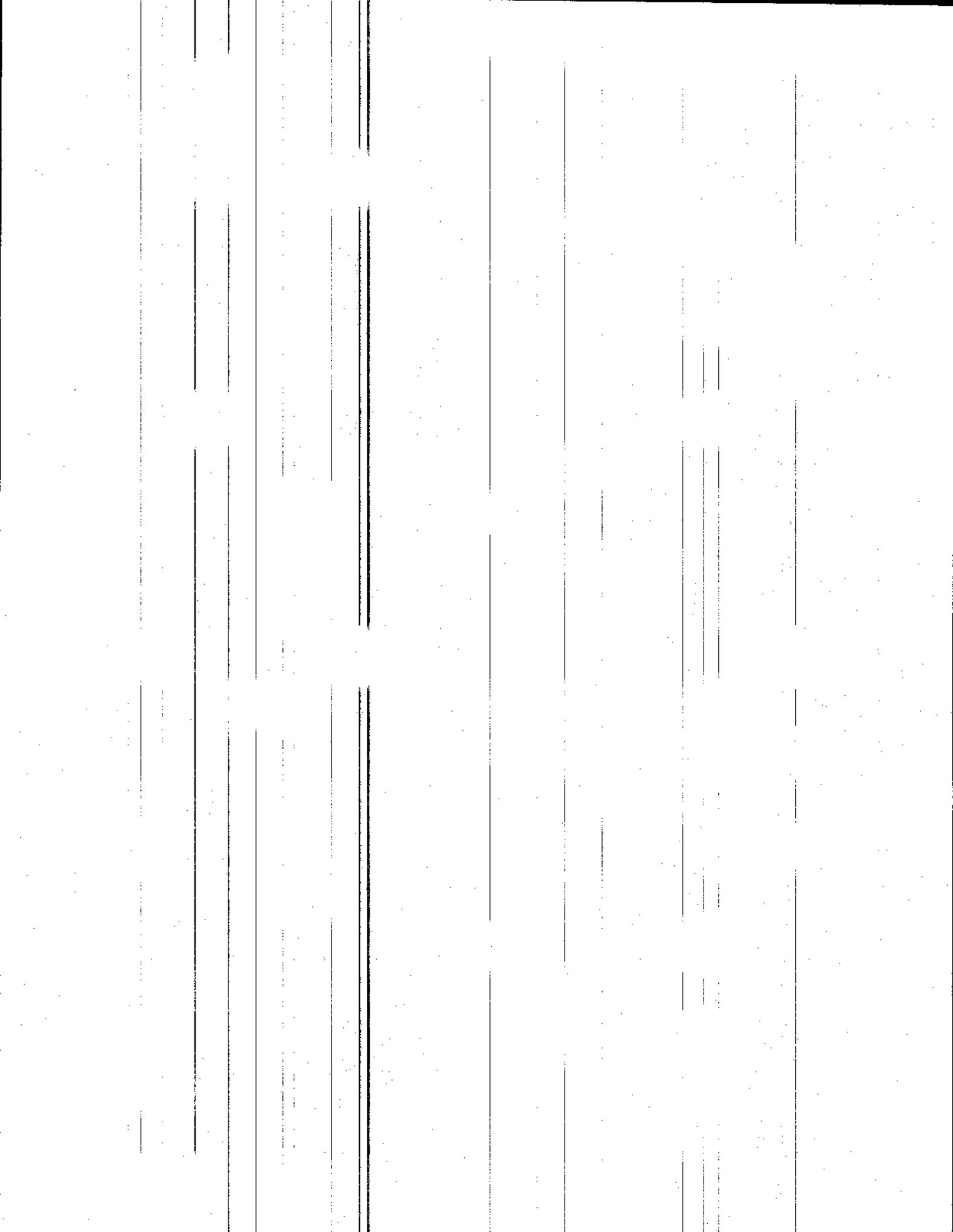
July 28, 2006

Hydro Tech Environmental
 1111 Fulton Street
 Brooklyn, NY 11238

Att: Eva Jakubowska

Sample Description: Soil - 264 North 10th Street Project/ Brooklyn, B-6, 0-2' - 07/19/06
 Sample Collected By: Hydro Tech Environmental
 Purchase Order: Verbal
 Date Samples Received: 7/20/06
 Work Order Number: 0607074
 Lab ID Number: 0607074-11

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Aluminum	11000	mg/kg dry	16.7	07/25/06	DW	SW 6010B
Antimony	6.60	mg/kg dry	0.501	07/25/06	DW	SW 6010B
Arsenic	27.3	mg/kg dry	0.278	07/25/06	DW	SW 6010B
Barium	285	mg/kg dry	1.39	07/25/06	DW	SW 6010B
Beryllium	0.384	mg/kg dry	0.056	07/25/06	DW	SW 6010B
Cadmium	5.97	mg/kg dry	0.056	07/25/06	DW	SW 6010B
Calcium	5580	mg/kg dry	41.8	07/25/06	DW	SW 6010B
Chromium	23.7	mg/kg dry	0.056	07/25/06	DW	SW 6010B
Cobalt	8.99	mg/kg dry	0.056	07/25/06	DW	SW 6010B
Copper	95.0	mg/kg dry	0.056	07/25/06	DW	SW 6010B
Iron	47600	mg/kg dry	6.96	07/25/06	DW	SW 6010B
Lead	1600	mg/kg dry	4.18	07/25/06	DW	SW 6010B
Manganese	761	mg/kg dry	1.39	07/25/06	DW	SW 6010B
Magnesium	2450	mg/kg dry	9.74	07/25/06	DW	SW 6010B
Mercury	1.55	mg/kg dry	0.006	07/26/06	DW	SW 7471A
Nickel	19.0	mg/kg dry	0.111	07/25/06	DW	SW 6010B
Potassium	1490	mg/kg dry	13.9	07/25/06	DW	SW 6010B
Selenium	<0.557	mg/kg dry	0.557	07/25/06	DW	SW 6010B
Silver	<0.111	mg/kg dry	0.111	07/25/06	DW	SW 6010B
Sodium	40.3	mg/kg dry	0.557	07/25/06	DW	SW 6010B
Thallium	<0.278	mg/kg dry	0.278	07/25/06	DW	SW 6010B
Vanadium	36.2	mg/kg dry	0.111	07/25/06	DW	SW 6010B
Zinc	384	mg/kg dry	0.111	07/25/06	DW	SW6010B
Acetone	<11.9	ug/kg dry	11.9	07/22/06	VNS	SW 8260B





Lab ID Number: 0607074-11

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Benzene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
Bromodichloromethane	<5.95	ug/kg dry	5.95	07/22/06	VNS	SW 8260B
Bromoform	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
Bromomethane	<2.38	ug/kg dry	2.38	07/22/06	VNS	SW 8260B
Carbon disulfide	<5.95	ug/kg dry	5.95	07/22/06	VNS	SW 8260B
Carbon Tetrachloride	<2.38	ug/kg dry	2.38	07/22/06	VNS	SW 8260B
Chlorobenzene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
Chloroethane	<2.38	ug/kg dry	2.38	07/22/06	VNS	SW 8260B
Chloroform	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
Chloromethane	<2.38	ug/kg dry	2.38	07/22/06	VNS	SW 8260B
Dibromochloromethane	<5.95	ug/kg dry	5.95	07/22/06	VNS	SW 8260B
1,3-Dichlorobenzene	<2.38	ug/kg dry	2.38	07/22/06	VNS	SW 8260B
1,2-Dichlorobenzene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
1,4-Dichlorobenzene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
1,2-Dichloroethane	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
1,1-Dichloroethane	<2.38	ug/kg dry	2.38	07/22/06	VNS	SW 8260B
trans-1,2-Dichloroethene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
cis-1,2-Dichloroethene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
1,1-Dichloroethene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
1,2-Dichloropropane	<2.38	ug/kg dry	2.38	07/22/06	VNS	SW 8260B
cis-1,3-Dichloropropene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
trans-1,3-Dichloropropene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
Ethylbenzene	<2.38	ug/kg dry	2.38	07/22/06	VNS	SW 8260B
Hexachlorobutadiene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
2-Hexanone	<5.95	ug/kg dry	5.95	07/22/06	VNS	SW 8260B
Methylene Chloride	<11.9	ug/kg dry	11.9	07/22/06	VNS	SW 8260B
Methyl Ethyl Ketone	<2.38	ug/kg dry	2.38	07/22/06	VNS	SW 8260B
Methyl Isobutyl Ketone	<5.95	ug/kg dry	5.95	07/22/06	VNS	SW 8260B
Naphthalene	<2.38	ug/kg dry	2.38	07/22/06	VNS	SW 8260B
Styrene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
1,1,2,2-Tetrachloroethane	<2.38	ug/kg dry	2.38	07/22/06	VNS	SW 8260B
Tetrachloroethene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
Toluene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
1,2,4-Trichlorobenzene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
1,1,2-Trichloroethane	<2.38	ug/kg dry	2.38	07/22/06	VNS	SW 8260B
1,1,1-Trichloroethane	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
Trichloroethene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
Vinyl acetate	<5.95	ug/kg dry	5.95	07/22/06	VNS	SW 8260B
Vinyl chloride	<5.95	ug/kg dry	5.95	07/22/06	VNS	SW 8260B



Lab ID Number: 0607074-11

Analyte	Results	Units	RL	Analyzed	By	Method
m,p-Xylene	<2.38	ug/kg dry	2.38	07/22/06	VNS	SW 8260B
o-Xylene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B

Extracted 07/22/06 by Soxhlet Extraction for SW 8270C.

Acenaphthene	2640	ug/kg dry	297	07/27/06	AR	SW 8270C
Acenaphthylene	603	ug/kg dry	297	07/27/06	AR	SW 8270C
Anthracene	3690	ug/kg dry	595	07/27/06	AR	SW 8270C
Benzo (a) anthracene	8640	ug/kg dry	297	07/27/06	AR	SW 8270C
Benzo (a) pyrene	7520	ug/kg dry	297	07/27/06	AR	SW 8270C
Benzo (b) fluoranthene	7580	ug/kg dry	1490	07/27/06	AR	SW 8270C
Benzo (g,h,i) perylene	5810	ug/kg dry	297	07/27/06	AR	SW 8270C
Benzo (k) fluoranthene	4850	ug/kg dry	595	07/27/06	AR	SW 8270C
4-Bromophenyl phenyl ether	<297	ug/kg dry	297	07/27/06	AR	SW 8270C
Butyl benzyl phthalate	<1490	ug/kg dry	1490	07/27/06	AR	SW 8270C
4-Chloro-3-methylphenol	<595	ug/kg dry	595	07/27/06	AR	SW 8270C
4-Chloroaniline	<1490	ug/kg dry	1490	07/27/06	AR	SW 8270C
Bis(2-chloroethoxy)methane	<595	ug/kg dry	595	07/27/06	AR	SW 8270C
Bis(2-chloroethyl)ether	<595	ug/kg dry	595	07/27/06	AR	SW 8270C
Bis(2-chloroisopropyl)ether	<595	ug/kg dry	595	07/27/06	AR	SW 8270C
2-Chloronaphthalene	<297	ug/kg dry	297	07/27/06	AR	SW 8270C
2-Chlorophenol	<595	ug/kg dry	595	07/27/06	AR	SW 8270C
4-Chlorophenyl phenyl ether	<595	ug/kg dry	595	07/27/06	AR	SW 8270C
Chrysene	9030	ug/kg dry	595	07/27/06	AR	SW 8270C
Dibenz (a,h) anthracene	<595	ug/kg dry	595	07/27/06	AR	SW 8270C
Dibenzofuran	1610	ug/kg dry	1490	07/27/06	AR	SW 8270C
Di-n-butyl phthalate	<595	ug/kg dry	595	07/27/06	AR	SW 8270C
1,4-Dichlorobenzene	<595	ug/kg dry	595	07/27/06	AR	SW 8270C
1,2-Dichlorobenzene	<297	ug/kg dry	297	07/27/06	AR	SW 8270C
1,3-Dichlorobenzene	<595	ug/kg dry	595	07/27/06	AR	SW 8270C
2,4-Dichlorophenol	<595	ug/kg dry	595	07/27/06	AR	SW 8270C
Diethyl phthalate	<595	ug/kg dry	595	07/27/06	AR	SW 8270C
2,4-Dimethylphenol	<2970	ug/kg dry	2970	07/27/06	AR	SW 8270C
Dimethyl phthalate	<297	ug/kg dry	297	07/27/06	AR	SW 8270C
4,6-Dinitro-2-methylphenol	<1490	ug/kg dry	1490	07/27/06	AR	SW 8270C
2,4-Dinitrophenol	<1490	ug/kg dry	1490	07/27/06	AR	SW 8270C
3,3'-Dichlorobenzidine	<1490	ug/kg dry	1490	07/27/06	AR	SW 8270C
2,4-Dinitrotoluene	<595	ug/kg dry	595	07/27/06	AR	SW 8270C
2,6-Dinitrotoluene	<595	ug/kg dry	595	07/27/06	AR	SW 8270C



Lab ID Number: 0607074-11

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Di-n-octyl phthalate	<1490	ug/kg dry	1490	07/27/06	AR	SW 8270C
Bis(2-ethylhexyl)phthalate	<595	ug/kg dry	595	07/27/06	AR	SW 8270C
Fluoranthene	23200	ug/kg dry	297	07/27/06	AR	SW 8270C
Fluorene	2090	ug/kg dry	595	07/27/06	AR	SW 8270C
Hexachlorobenzene	<595	ug/kg dry	595	07/27/06	AR	SW 8270C
Hexachlorobutadiene	<595	ug/kg dry	595	07/27/06	AR	SW 8270C
Hexachlorocyclopentadiene	<2970	ug/kg dry	2970	07/27/06	AR	SW 8270C
Hexachloroethane	<595	ug/kg dry	595	07/27/06	AR	SW 8270C
Indeno (1,2,3-cd) pyrene	3910	ug/kg dry	595	07/27/06	AR	SW 8270C
Isophorone	<595	ug/kg dry	595	07/27/06	AR	SW 8270C
2-Methylnaphthalene	639	ug/kg dry	297	07/27/06	AR	SW 8270C
2-Methylphenol	<595	ug/kg dry	595	07/27/06	AR	SW 8270C
3 & 4-Methylphenol	<595	ug/kg dry	595	07/27/06	AR	SW 8270C
Naphthalene	1550	ug/kg dry	297	07/27/06	AR	SW 8270C
2-Nitroaniline	<1490	ug/kg dry	1490	07/27/06	AR	SW 8270C
4-Nitroaniline	<1490	ug/kg dry	1490	07/27/06	AR	SW 8270C
3-Nitroaniline	<1490	ug/kg dry	1490	07/27/06	AR	SW 8270C
Nitrobenzene	<595	ug/kg dry	595	07/27/06	AR	SW 8270C
4-Nitrophenol	<1490	ug/kg dry	1490	07/27/06	AR	SW 8270C
2-Nitrophenol	<1490	ug/kg dry	1490	07/27/06	AR	SW 8270C
N-Nitrosodiphenylamine	<595	ug/kg dry	595	07/27/06	AR	SW 8270C
N-Nitrosodi-n-propylamine	<595	ug/kg dry	595	07/27/06	AR	SW 8270C
Pentachlorophenol	<1490	ug/kg dry	1490	07/27/06	AR	SW 8270C
Phenanthrene	21800	ug/kg dry	595	07/27/06	AR	SW 8270C
Phenol	<595	ug/kg dry	595	07/27/06	AR	SW 8270C
Pyrene	18700	ug/kg dry	595	07/27/06	AR	SW 8270C
1,2,4-Trichlorobenzene	<297	ug/kg dry	297	07/27/06	AR	SW 8270C
2,4,5-Trichlorophenol	<595	ug/kg dry	595	07/27/06	AR	SW 8270C
2,4,6-Trichlorophenol	<297	ug/kg dry	297	07/27/06	AR	SW 8270C



Lab ID Number: 0607074-11

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Extracted 07/22/06 by Soxhlet Extraction for SW 8081.						
alpha-BHC	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
alpha-Chlordane	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
beta-BHC	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
Aldrin	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
gamma-BHC (Lindane)	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
gamma-Chlordane	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
Heptachlor	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
Heptachlor epoxide	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
delta-BHC	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
Endosulfan I	<2.97	ug/kg dry	2.97	07/27/06	AR	SW 8081
Endosulfan II	<2.97	ug/kg dry	2.97	07/27/06	AR	SW 8081
Endosulfan sulfate	<2.97	ug/kg dry	2.97	07/27/06	AR	SW 8081
Endrin	<2.97	ug/kg dry	2.97	07/27/06	AR	SW 8081
Endrin aldehyde	<2.97	ug/kg dry	2.97	07/27/06	AR	SW 8081
Endrin ketone	<2.97	ug/kg dry	2.97	07/27/06	AR	SW 8081
4,4'-DDD	<2.97	ug/kg dry	2.97	07/27/06	AR	SW 8081
4,4'-DDE	<2.97	ug/kg dry	2.97	07/27/06	AR	SW 8081
4,4'-DDT	<2.97	ug/kg dry	2.97	07/27/06	AR	SW 8081
Methoxychlor	<5.95	ug/kg dry	5.95	07/27/06	AR	SW 8081
Dieldrin	<2.97	ug/kg dry	2.97	07/27/06	AR	SW 8081
Chlordane (technical)	<5.95	ug/kg dry	5.95	07/27/06	AR	SW 8081
Toxaphene	<5.95	ug/kg dry	5.95	07/27/06	AR	SW 8081

Extracted 07/22/06 by Soxhlet Extraction for SW 8082.

Aroclor 1016	<23.8	ug/kg dry	23.8	07/27/06	AR	SW 8082
Aroclor 1221	<23.8	ug/kg dry	23.8	07/27/06	AR	SW 8082
Aroclor 1232	<23.8	ug/kg dry	23.8	07/27/06	AR	SW 8082
Aroclor 1242	<23.8	ug/kg dry	23.8	07/27/06	AR	SW 8082
Aroclor 1248	<23.8	ug/kg dry	23.8	07/27/06	AR	SW 8082
Aroclor 1254	<23.8	ug/kg dry	23.8	07/27/06	AR	SW 8082
Aroclor 1260	<23.8	ug/kg dry	23.8	07/27/06	AR	SW 8082

References

- EPA - 40 Code of Federal Regulations, Part 136, October 26, 1984.
SW - SW 846 3rd Edition.
SM - Standard Methods for the Examination of Water and Wastewater, 18th edition.
LT - Lachat Method Manual, "*Methods List for Automated Ion Analyzers*", February 2004

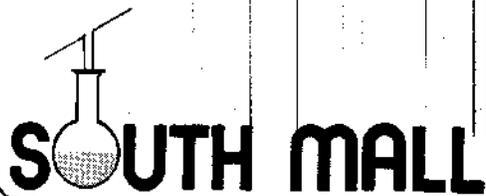
New York State ELAP Laboratory ID #10950/EPA Laboratory ID #NY01292/New Jersey DEP Laboratory ID #NY006

Laboratory Director: _____


Joseph P. Shaulys



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July 28, 2006

Hydro Tech Environmental
1111 Fulton Street
Brooklyn, NY 11238

Att: Eva Jakubowska

Sample Description: Soil - 264 North 10th Street Project/ Brooklyn, B-6, 6-8' - 07/19/06
Sample Collected By: Hydro Tech Environmental
Purchase Order: Verbal
Date Samples Received: 7/20/06
Work Order Number: 0607074
Lab ID Number: 0607074-12

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Aluminum	10200	mg/kg dry	17.6	07/25/06	DW	SW 6010B
Antimony	1.76	mg/kg dry	0.529	07/25/06	DW	SW 6010B
Arsenic	6.77	mg/kg dry	0.294	07/25/06	DW	SW 6010B
Barium	284	mg/kg dry	1.47	07/25/06	DW	SW 6010B
Beryllium	0.392	mg/kg dry	0.059	07/25/06	DW	SW 6010B
Cadmium	1.99	mg/kg dry	0.059	07/25/06	DW	SW 6010B
Calcium	20500	mg/kg dry	44.1	07/25/06	DW	SW 6010B
Chromium	27.1	mg/kg dry	0.059	07/25/06	DW	SW 6010B
Cobalt	6.84	mg/kg dry	0.059	07/25/06	DW	SW 6010B
Copper	42.8	mg/kg dry	0.059	07/25/06	DW	SW 6010B
Iron	18000	mg/kg dry	7.34	07/25/06	DW	SW 6010B
Lead	407	mg/kg dry	0.176	07/25/06	DW	SW 6010B
Manganese	259	mg/kg dry	0.059	07/25/06	DW	SW 6010B
Magnesium	5700	mg/kg dry	10.3	07/25/06	DW	SW 6010B
Mercury	2.04	mg/kg dry	0.006	07/26/06	DW	SW 7471A
Nickel	17.0	mg/kg dry	0.118	07/25/06	DW	SW 6010B
Potassium	39.7	mg/kg dry	0.588	07/25/06	DW	SW 6010B
Selenium	<0.588	mg/kg dry	0.588	07/25/06	DW	SW 6010B
Silver	<0.118	mg/kg dry	0.118	07/25/06	DW	SW 6010B
Sodium	22.4	mg/kg dry	0.588	07/25/06	DW	SW 6010B
Thallium	<0.294	mg/kg dry	0.294	07/25/06	DW	SW 6010B
Vanadium	27.8	mg/kg dry	0.118	07/25/06	DW	SW 6010B
Zinc	303	mg/kg dry	0.118	07/25/06	DW	SW6010B
Acetone	<11.8	ug/kg dry	11.8	07/24/06	VNS	SW 8260B



Lab ID Number: 0607074-12

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Benzene	<1.18	ug/kg dry	1.18	07/24/06	VNS	SW 8260B
Bromodichloromethane	<5.88	ug/kg dry	5.88	07/24/06	VNS	SW 8260B
Bromoform	<1.18	ug/kg dry	1.18	07/24/06	VNS	SW 8260B
Bromomethane	<2.35	ug/kg dry	2.35	07/24/06	VNS	SW 8260B
Carbon disulfide	<5.88	ug/kg dry	5.88	07/24/06	VNS	SW 8260B
Carbon Tetrachloride	<2.35	ug/kg dry	2.35	07/24/06	VNS	SW 8260B
Chlorobenzene	<1.18	ug/kg dry	1.18	07/24/06	VNS	SW 8260B
Chloroethane	<2.35	ug/kg dry	2.35	07/24/06	VNS	SW 8260B
Chloroform	<1.18	ug/kg dry	1.18	07/24/06	VNS	SW 8260B
Chloromethane	<2.35	ug/kg dry	2.35	07/24/06	VNS	SW 8260B
Dibromochloromethane	<5.88	ug/kg dry	5.88	07/24/06	VNS	SW 8260B
1,3-Dichlorobenzene	<2.35	ug/kg dry	2.35	07/24/06	VNS	SW 8260B
1,2-Dichlorobenzene	<1.18	ug/kg dry	1.18	07/24/06	VNS	SW 8260B
1,4-Dichlorobenzene	<1.18	ug/kg dry	1.18	07/24/06	VNS	SW 8260B
1,2-Dichloroethane	<1.18	ug/kg dry	1.18	07/24/06	VNS	SW 8260B
1,1-Dichloroethane	<2.35	ug/kg dry	2.35	07/24/06	VNS	SW 8260B
trans-1,2-Dichloroethene	<1.18	ug/kg dry	1.18	07/24/06	VNS	SW 8260B
cis-1,2-Dichloroethene	<1.18	ug/kg dry	1.18	07/24/06	VNS	SW 8260B
1,1-Dichloroethene	<1.18	ug/kg dry	1.18	07/24/06	VNS	SW 8260B
1,2-Dichloropropane	<2.35	ug/kg dry	2.35	07/24/06	VNS	SW 8260B
cis-1,3-Dichloropropene	<1.18	ug/kg dry	1.18	07/24/06	VNS	SW 8260B
trans-1,3-Dichloropropene	<1.18	ug/kg dry	1.18	07/24/06	VNS	SW 8260B
Ethylbenzene	<2.35	ug/kg dry	2.35	07/24/06	VNS	SW 8260B
Hexachlorobutadiene	<1.18	ug/kg dry	1.18	07/24/06	VNS	SW 8260B
2-Hexanone	<5.88	ug/kg dry	5.88	07/24/06	VNS	SW 8260B
Methylene Chloride	<11.8	ug/kg dry	11.8	07/24/06	VNS	SW 8260B
Methyl Ethyl Ketone	<2.35	ug/kg dry	2.35	07/24/06	VNS	SW 8260B
Methyl Isobutyl Ketone	<5.88	ug/kg dry	5.88	07/24/06	VNS	SW 8260B
Naphthalene	<2.35	ug/kg dry	2.35	07/24/06	VNS	SW 8260B
Styrene	<1.18	ug/kg dry	1.18	07/24/06	VNS	SW 8260B
1,1,2,2-Tetrachloroethane	<2.35	ug/kg dry	2.35	07/24/06	VNS	SW 8260B
Tetrachloroethene	<1.18	ug/kg dry	1.18	07/24/06	VNS	SW 8260B
Toluene	1.23	ug/kg dry	1.18	07/24/06	VNS	SW 8260B
1,2,4-Trichlorobenzene	<1.18	ug/kg dry	1.18	07/24/06	VNS	SW 8260B
1,1,2-Trichloroethane	<2.35	ug/kg dry	2.35	07/24/06	VNS	SW 8260B
1,1,1-Trichloroethane	<1.18	ug/kg dry	1.18	07/24/06	VNS	SW 8260B
Trichloroethene	<1.18	ug/kg dry	1.18	07/24/06	VNS	SW 8260B
Vinyl acetate	<5.88	ug/kg dry	5.88	07/24/06	VNS	SW 8260B
Vinyl chloride	<5.88	ug/kg dry	5.88	07/24/06	VNS	SW 8260B



Lab ID Number: 0607074-12

Analyte	Results	Units	RL	Analyzed	By	Method
m,p-Xylene	<2.35	ug/kg dry	2.35	07/24/06	VNS	SW 8260B
o-Xylene	<1.18	ug/kg dry	1.18	07/24/06	VNS	SW 8260B

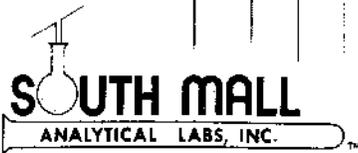
Extracted 07/22/06 by Soxhlet Extraction for SW 8270C.

Acenaphthene	<58.8	ug/kg dry	58.8	07/25/06	AR	SW 8270C
Acenaphthylene	<58.8	ug/kg dry	58.8	07/25/06	AR	SW 8270C
Anthracene	120	ug/kg dry	118	07/25/06	AR	SW 8270C
Benzo (a) anthracene	333	ug/kg dry	58.8	07/25/06	AR	SW 8270C
Benzo (a) pyrene	307	ug/kg dry	58.8	07/25/06	AR	SW 8270C
Benzo (b) fluoranthene	<294	ug/kg dry	294	07/25/06	AR	SW 8270C
Benzo (g,h,i) perylene	343	ug/kg dry	58.8	07/25/06	AR	SW 8270C
Benzo (k) fluoranthene	242	ug/kg dry	118	07/25/06	AR	SW 8270C
4-Bromophenyl phenyl ether	<58.8	ug/kg dry	58.8	07/25/06	AR	SW 8270C
Butyl benzyl phthalate	<294	ug/kg dry	294	07/25/06	AR	SW 8270C
4-Chloro-3-methylphenol	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
4-Chloroaniline	<294	ug/kg dry	294	07/25/06	AR	SW 8270C
Bis(2-chloroethoxy)methane	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
Bis(2-chloroethyl)ether	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
Bis(2-chloroisopropyl)ether	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
2-Chloronaphthalene	<58.8	ug/kg dry	58.8	07/25/06	AR	SW 8270C
2-Chlorophenol	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
4-Chlorophenyl phenyl ether	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
Chrysene	354	ug/kg dry	118	07/25/06	AR	SW 8270C
Dibenz (a,h) anthracene	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
Dibenzofuran	<294	ug/kg dry	294	07/25/06	AR	SW 8270C
Di-n-butyl phthalate	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
1,4-Dichlorobenzene	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
1,2-Dichlorobenzene	<58.8	ug/kg dry	58.8	07/25/06	AR	SW 8270C
1,3-Dichlorobenzene	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
2,4-Dichlorophenol	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
Diethyl phthalate	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
2,4-Dimethylphenol	<588	ug/kg dry	588	07/25/06	AR	SW 8270C
Dimethyl phthalate	<58.8	ug/kg dry	58.8	07/25/06	AR	SW 8270C
4,6-Dinitro-2-methylphenol	<294	ug/kg dry	294	07/25/06	AR	SW 8270C
3,3'-Dichlorobenzidine	<294	ug/kg dry	294	07/25/06	AR	SW 8270C
2,4-Dinitrophenol	<294	ug/kg dry	294	07/25/06	AR	SW 8270C
2,4-Dinitrotoluene	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
2,6-Dinitrotoluene	<118	ug/kg dry	118	07/25/06	AR	SW 8270C



Lab ID Number: 0607074-12

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Di-n-octyl phthalate	<294	ug/kg dry	294	07/25/06	AR	SW 8270C
Bis(2-ethylhexyl)phthalate	796	ug/kg dry	118	07/25/06	AR	SW 8270C
Fluoranthene	806	ug/kg dry	58.8	07/25/06	AR	SW 8270C
Fluorene	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
Hexachlorobenzene	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
Hexachlorobutadiene	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
Hexachlorocyclopentadiene	<588	ug/kg dry	588	07/25/06	AR	SW 8270C
Hexachloroethane	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
Indeno (1,2,3-cd) pyrene	155	ug/kg dry	118	07/25/06	AR	SW 8270C
Isophorone	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
2-Methylnaphthalene	<58.8	ug/kg dry	58.8	07/25/06	AR	SW 8270C
2-Methylphenol	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
3 & 4-Methylphenol	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
Naphthalene	<58.8	ug/kg dry	58.8	07/25/06	AR	SW 8270C
2-Nitroaniline	<294	ug/kg dry	294	07/25/06	AR	SW 8270C
4-Nitroaniline	<294	ug/kg dry	294	07/25/06	AR	SW 8270C
3-Nitroaniline	<294	ug/kg dry	294	07/25/06	AR	SW 8270C
Nitrobenzene	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
4-Nitrophenol	<294	ug/kg dry	294	07/25/06	AR	SW 8270C
2-Nitrophenol	<294	ug/kg dry	294	07/25/06	AR	SW 8270C
N-Nitrosodiphenylamine	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
N-Nitrosodi-n-propylamine	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
Pentachlorophenol	<294	ug/kg dry	294	07/25/06	AR	SW 8270C
Phenanthrene	507	ug/kg dry	118	07/25/06	AR	SW 8270C
Phenol	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
Pyrene	600	ug/kg dry	118	07/25/06	AR	SW 8270C
1,2,4-Trichlorobenzene	<58.8	ug/kg dry	58.8	07/25/06	AR	SW 8270C
2,4,5-Trichlorophenol	<118	ug/kg dry	118	07/25/06	AR	SW 8270C
2,4,6-Trichlorophenol	<58.8	ug/kg dry	58.8	07/25/06	AR	SW 8270C



Lab ID Number: 0607074-12

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Extracted 07/22/06 by Soxhlet Extraction for SW 8081.						
alpha-BHC	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
alpha-Chlordane	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
beta-BHC	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
Aldrin	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
gamma-BHC (Lindane)	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
gamma-Chlordane	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
Heptachlor	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
Heptachlor epoxide	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
delta-BHC	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
Endosulfan I	<2.94	ug/kg dry	2.94	07/27/06	AR	SW 8081
Endosulfan II	<2.94	ug/kg dry	2.94	07/27/06	AR	SW 8081
Endosulfan sulfate	<2.94	ug/kg dry	2.94	07/27/06	AR	SW 8081
Endrin	<2.94	ug/kg dry	2.94	07/27/06	AR	SW 8081
Endrin aldehyde	<2.94	ug/kg dry	2.94	07/27/06	AR	SW 8081
Endrin ketone	<2.94	ug/kg dry	2.94	07/27/06	AR	SW 8081
4,4'-DDD	<2.94	ug/kg dry	2.94	07/27/06	AR	SW 8081
4,4'-DDE	<2.94	ug/kg dry	2.94	07/27/06	AR	SW 8081
4,4'-DDT	<2.94	ug/kg dry	2.94	07/27/06	AR	SW 8081
Methoxychlor	<5.88	ug/kg dry	5.88	07/27/06	AR	SW 8081
Dieldrin	<2.94	ug/kg dry	2.94	07/27/06	AR	SW 8081
Chlordane (technical)	<5.88	ug/kg dry	5.88	07/27/06	AR	SW 8081
Toxaphene	<5.88	ug/kg dry	5.88	07/27/06	AR	SW 8081

Extracted 07/22/06 by Soxhlet Extraction for SW 8082.

Aroclor 1016	<23.5	ug/kg dry	23.5	07/27/06	AR	SW 8082
Aroclor 1221	<23.5	ug/kg dry	23.5	07/27/06	AR	SW 8082
Aroclor 1232	<23.5	ug/kg dry	23.5	07/27/06	AR	SW 8082
Aroclor 1242	<23.5	ug/kg dry	23.5	07/27/06	AR	SW 8082
Aroclor 1248	<23.5	ug/kg dry	23.5	07/27/06	AR	SW 8082
Aroclor 1254	<23.5	ug/kg dry	23.5	07/27/06	AR	SW 8082
Aroclor 1260	<23.5	ug/kg dry	23.5	07/27/06	AR	SW 8082

References

EPA - 40 Code of Federal Regulations, Part 136, October 26, 1984.

SW - SW 846 3rd Edition.

SM - Standard Methods for the Examination of Water and Wastewater, 18th edition.

LT - Lachat Method Manual, "Methods List for Automated Ion Analyzers", February 2004

New York State ELAP Laboratory ID #10950/EPA Laboratory ID #NY01292/New Jersey DEP Laboratory ID #NY006

Laboratory Director:



Joseph P. Shaulys



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July 28, 2006

Hydro Tech Environmental
 1111 Fulton Street
 Brooklyn, NY 11238

Att: Eva Jakubowska

Sample Description: Soil - 264 North 10th Street Project/ Brooklyn, B-7, 0-2' - 07/14/06
 Sample Collected By: Hydro Tech Environmental
 Purchase Order: Verbal
 Date Samples Received: 7/20/06
 Work Order Number: 0607074
 Lab ID Number: 0607074-13

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Aluminum	11400	mg/kg dry	18.7	07/25/06	DW	SW 6010B
Antimony	9.44	mg/kg dry	0.560	07/25/06	DW	SW 6010B
Arsenic	13.5	mg/kg dry	0.311	07/25/06	DW	SW 6010B
Barium	180	mg/kg dry	0.062	07/25/06	DW	SW 6010B
Beryllium	0.415	mg/kg dry	0.062	07/25/06	DW	SW 6010B
Cadmium	3.47	mg/kg dry	0.062	07/25/06	DW	SW 6010B
Calcium	25000	mg/kg dry	46.6	07/25/06	DW	SW 6010B
Chromium	24.4	mg/kg dry	0.062	07/25/06	DW	SW 6010B
Cobalt	7.97	mg/kg dry	0.062	07/25/06	DW	SW 6010B
Copper	137	mg/kg dry	0.062	07/25/06	DW	SW 6010B
Iron	20800	mg/kg dry	7.77	07/25/06	DW	SW 6010B
Lead	999	mg/kg dry	4.66	07/25/06	DW	SW 6010B
Manganese	426	mg/kg dry	0.062	07/25/06	DW	SW 6010B
Magnesium	4760	mg/kg dry	10.9	07/25/06	DW	SW 6010B
Mercury	2.06	mg/kg dry	0.011	07/26/06	DW	SW 7471A
Nickel	18.1	mg/kg dry	0.124	07/25/06	DW	SW 6010B
Potassium	1240	mg/kg dry	15.5	07/25/06	DW	SW 6010B
Selenium	<0.622	mg/kg dry	0.622	07/25/06	DW	SW 6010B
Silver	<0.124	mg/kg dry	0.124	07/25/06	DW	SW 6010B
Sodium	145	mg/kg dry	0.622	07/25/06	DW	SW 6010B
Thallium	<0.311	mg/kg dry	0.311	07/25/06	DW	SW 6010B
Vanadium	27.2	mg/kg dry	0.124	07/25/06	DW	SW 6010B
Zinc	781	mg/kg dry	3.11	07/25/06	DW	SW6010B
Acetone	<12.4	ug/kg dry	12.4	07/22/06	VNS	SW 8260B



Lab ID Number: 0607074-13

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Benzene	<1.24	ug/kg dry	1.24	07/22/06	VNS	SW 8260B
Bromodichloromethane	<6.22	ug/kg dry	6.22	07/22/06	VNS	SW 8260B
Bromoform	<1.24	ug/kg dry	1.24	07/22/06	VNS	SW 8260B
Bromomethane	<2.49	ug/kg dry	2.49	07/22/06	VNS	SW 8260B
Carbon disulfide	<6.22	ug/kg dry	6.22	07/22/06	VNS	SW 8260B
Carbon Tetrachloride	<2.49	ug/kg dry	2.49	07/22/06	VNS	SW 8260B
Chlorobenzene	<1.24	ug/kg dry	1.24	07/22/06	VNS	SW 8260B
Chloroethane	<2.49	ug/kg dry	2.49	07/22/06	VNS	SW 8260B
Chloroform	<1.24	ug/kg dry	1.24	07/22/06	VNS	SW 8260B
Chloromethane	<2.49	ug/kg dry	2.49	07/22/06	VNS	SW 8260B
Dibromochloromethane	<6.22	ug/kg dry	6.22	07/22/06	VNS	SW 8260B
1,3-Dichlorobenzene	<2.49	ug/kg dry	2.49	07/22/06	VNS	SW 8260B
1,2-Dichlorobenzene	<1.24	ug/kg dry	1.24	07/22/06	VNS	SW 8260B
1,4-Dichlorobenzene	<1.24	ug/kg dry	1.24	07/22/06	VNS	SW 8260B
1,2-Dichloroethane	<1.24	ug/kg dry	1.24	07/22/06	VNS	SW 8260B
1,1-Dichloroethane	<2.49	ug/kg dry	2.49	07/22/06	VNS	SW 8260B
trans-1,2-Dichloroethene	<1.24	ug/kg dry	1.24	07/22/06	VNS	SW 8260B
cis-1,2-Dichloroethene	<1.24	ug/kg dry	1.24	07/22/06	VNS	SW 8260B
1,1-Dichloroethene	<1.24	ug/kg dry	1.24	07/22/06	VNS	SW 8260B
1,2-Dichloropropane	<2.49	ug/kg dry	2.49	07/22/06	VNS	SW 8260B
cis-1,3-Dichloropropene	<1.24	ug/kg dry	1.24	07/22/06	VNS	SW 8260B
trans-1,3-Dichloropropene	<1.24	ug/kg dry	1.24	07/22/06	VNS	SW 8260B
Ethylbenzene	<2.49	ug/kg dry	2.49	07/22/06	VNS	SW 8260B
Hexachlorobutadiene	<1.24	ug/kg dry	1.24	07/22/06	VNS	SW 8260B
2-Hexanone	<6.22	ug/kg dry	6.22	07/22/06	VNS	SW 8260B
Methylene Chloride	<12.4	ug/kg dry	12.4	07/22/06	VNS	SW 8260B
Methyl Ethyl Ketone	<2.49	ug/kg dry	2.49	07/22/06	VNS	SW 8260B
Methyl Isobutyl Ketone	<6.22	ug/kg dry	6.22	07/22/06	VNS	SW 8260B
Naphthalene	<2.49	ug/kg dry	2.49	07/22/06	VNS	SW 8260B
Styrene	<1.24	ug/kg dry	1.24	07/22/06	VNS	SW 8260B
1,1,2,2-Tetrachloroethane	<2.49	ug/kg dry	2.49	07/22/06	VNS	SW 8260B
Tetrachloroethene	<1.24	ug/kg dry	1.24	07/22/06	VNS	SW 8260B
Toluene	<1.24	ug/kg dry	1.24	07/22/06	VNS	SW 8260B
1,2,4-Trichlorobenzene	<1.24	ug/kg dry	1.24	07/22/06	VNS	SW 8260B
1,1,2-Trichloroethane	<2.49	ug/kg dry	2.49	07/22/06	VNS	SW 8260B
1,1,1-Trichloroethane	<1.24	ug/kg dry	1.24	07/22/06	VNS	SW 8260B
Trichloroethene	<1.24	ug/kg dry	1.24	07/22/06	VNS	SW 8260B
Vinyl acetate	<6.22	ug/kg dry	6.22	07/22/06	VNS	SW 8260B
Vinyl chloride	<6.22	ug/kg dry	6.22	07/22/06	VNS	SW 8260B



Lab ID Number: 0607074-13

Analyte	Results	Units	RL	Analyzed	By	Method
m,p-Xylene	<2.49	ug/kg dry	2.49	07/22/06	VNS	SW 8260B
o-Xylene	<1.24	ug/kg dry	1.24	07/22/06	VNS	SW 8260B

Extracted 07/22/06 by Soxhlet Extraction for SW 8270C.

Acenaphthene	91.4	ug/kg dry	62.2	07/24/06	AR	SW 8270C
Acenaphthylene	74.0	ug/kg dry	62.2	07/24/06	AR	SW 8270C
Anthracene	252	ug/kg dry	124	07/24/06	AR	SW 8270C
Benzo (a) anthracene	1010	ug/kg dry	62.2	07/24/06	AR	SW 8270C
Benzo (a) pyrene	947	ug/kg dry	62.2	07/24/06	AR	SW 8270C
Benzo (b) fluoranthene	889	ug/kg dry	311	07/24/06	AR	SW 8270C
Benzo (g,h,i) perylene	1030	ug/kg dry	62.2	07/24/06	AR	SW 8270C
Benzo (k) fluoranthene	757	ug/kg dry	124	07/24/06	AR	SW 8270C
4-Bromophenyl phenyl ether	<62.2	ug/kg dry	62.2	07/24/06	AR	SW 8270C
Butyl benzyl phthalate	<311	ug/kg dry	311	07/24/06	AR	SW 8270C
4-Chloro-3-methylphenol	<124	ug/kg dry	124	07/24/06	AR	SW 8270C
4-Chloroaniline	<311	ug/kg dry	311	07/24/06	AR	SW 8270C
Bis(2-chloroethoxy)methane	<124	ug/kg dry	124	07/24/06	AR	SW 8270C
Bis(2-chloroethyl)ether	<124	ug/kg dry	124	07/24/06	AR	SW 8270C
Bis(2-chloroisopropyl)ether	<124	ug/kg dry	124	07/24/06	AR	SW 8270C
2-Chloronaphthalene	<62.2	ug/kg dry	62.2	07/24/06	AR	SW 8270C
2-Chlorophenol	<124	ug/kg dry	124	07/24/06	AR	SW 8270C
4-Chlorophenyl phenyl ether	<124	ug/kg dry	124	07/24/06	AR	SW 8270C
Chrysene	1180	ug/kg dry	124	07/24/06	AR	SW 8270C
Dibenz (a,h) anthracene	<124	ug/kg dry	124	07/24/06	AR	SW 8270C
Dibenzofuran	<311	ug/kg dry	311	07/24/06	AR	SW 8270C
Di-n-butyl phthalate	174	ug/kg dry	124	07/24/06	AR	SW 8270C
1,4-Dichlorobenzene	<124	ug/kg dry	124	07/24/06	AR	SW 8270C
1,2-Dichlorobenzene	<62.2	ug/kg dry	62.2	07/24/06	AR	SW 8270C
1,3-Dichlorobenzene	<124	ug/kg dry	124	07/24/06	AR	SW 8270C
2,4-Dichlorophenol	<124	ug/kg dry	124	07/24/06	AR	SW 8270C
Diethyl phthalate	<124	ug/kg dry	124	07/24/06	AR	SW 8270C
2,4-Dimethylphenol	<622	ug/kg dry	622	07/24/06	AR	SW 8270C
Dimethyl phthalate	<62.2	ug/kg dry	62.2	07/24/06	AR	SW 8270C
4,6-Dinitro-2-methylphenol	<311	ug/kg dry	311	07/24/06	AR	SW 8270C
2,4-Dinitrophenol	<311	ug/kg dry	311	07/24/06	AR	SW 8270C
3,3'-Dichlorobenzidine	<311	ug/kg dry	311	07/24/06	AR	SW 8270C
2,4-Dinitrotoluene	<124	ug/kg dry	124	07/24/06	AR	SW 8270C
2,6-Dinitrotoluene	<124	ug/kg dry	124	07/24/06	AR	SW 8270C



Lab ID Number: 0607074-13

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Di-n-octyl phthalate	<311	ug/kg dry	311	07/24/06	AR	SW 8270C
Bis(2-ethylhexyl)phthalate	9270	ug/kg dry	124	07/24/06	AR	SW 8270C
Fluoranthene	2600	ug/kg dry	62.2	07/24/06	AR	SW 8270C
Fluorene	<124	ug/kg dry	124	07/24/06	AR	SW 8270C
Hexachlorobenzene	<124	ug/kg dry	124	07/24/06	AR	SW 8270C
Hexachlorobutadiene	<124	ug/kg dry	124	07/24/06	AR	SW 8270C
Hexachlorocyclopentadiene	<622	ug/kg dry	622	07/24/06	AR	SW 8270C
Hexachloroethane	<124	ug/kg dry	124	07/24/06	AR	SW 8270C
Indeno (1,2,3-cd) pyrene	461	ug/kg dry	124	07/24/06	AR	SW 8270C
Isophorone	<124	ug/kg dry	124	07/24/06	AR	SW 8270C
2-Methylnaphthalene	<62.2	ug/kg dry	62.2	07/24/06	AR	SW 8270C
2-Methylphenol	<124	ug/kg dry	124	07/24/06	AR	SW 8270C
3 & 4-Methylphenol	<124	ug/kg dry	124	07/24/06	AR	SW 8270C
Naphthalene	<62.2	ug/kg dry	62.2	07/24/06	AR	SW 8270C
2-Nitroaniline	<311	ug/kg dry	311	07/24/06	AR	SW 8270C
4-Nitroaniline	<311	ug/kg dry	311	07/24/06	AR	SW 8270C
3-Nitroaniline	<311	ug/kg dry	311	07/24/06	AR	SW 8270C
Nitrobenzene	<124	ug/kg dry	124	07/24/06	AR	SW 8270C
4-Nitrophenol	<311	ug/kg dry	311	07/24/06	AR	SW 8270C
2-Nitrophenol	<311	ug/kg dry	311	07/24/06	AR	SW 8270C
N-Nitrosodiphenylamine	<124	ug/kg dry	124	07/24/06	AR	SW 8270C
N-Nitrosodi-n-propylamine	<124	ug/kg dry	124	07/24/06	AR	SW 8270C
Pentachlorophenol	<311	ug/kg dry	311	07/24/06	AR	SW 8270C
Phenanthrene	1530	ug/kg dry	124	07/24/06	AR	SW 8270C
Phenol	<124	ug/kg dry	124	07/24/06	AR	SW 8270C
Pyrene	2120	ug/kg dry	124	07/24/06	AR	SW 8270C
1,2,4-Trichlorobenzene	<62.2	ug/kg dry	62.2	07/24/06	AR	SW 8270C
2,4,5-Trichlorophenol	<124	ug/kg dry	124	07/24/06	AR	SW 8270C
2,4,6-Trichlorophenol	<62.2	ug/kg dry	62.2	07/24/06	AR	SW 8270C



Lab ID Number: 0607074-13

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Extracted 07/22/06 by Soxhlet Extraction for SW 8081.						
alpha-BHC	<0.62	ug/kg dry	0.62	07/27/06	AR	SW 8081
alpha-Chlordane	<0.62	ug/kg dry	0.62	07/27/06	AR	SW 8081
beta-BHC	<0.62	ug/kg dry	0.62	07/27/06	AR	SW 8081
Aldrin	<0.62	ug/kg dry	0.62	07/27/06	AR	SW 8081
gamma-BHC (Lindane)	<0.62	ug/kg dry	0.62	07/27/06	AR	SW 8081
gamma-Chlordane	<0.62	ug/kg dry	0.62	07/27/06	AR	SW 8081
Heptachlor	<0.62	ug/kg dry	0.62	07/27/06	AR	SW 8081
Heptachlor epoxide	<0.62	ug/kg dry	0.62	07/27/06	AR	SW 8081
delta-BHC	<0.62	ug/kg dry	0.62	07/27/06	AR	SW 8081
Endosulfan I	<3.11	ug/kg dry	3.11	07/27/06	AR	SW 8081
Endosulfan II	<3.11	ug/kg dry	3.11	07/27/06	AR	SW 8081
Endosulfan sulfate	<3.11	ug/kg dry	3.11	07/27/06	AR	SW 8081
Endrin	<3.11	ug/kg dry	3.11	07/27/06	AR	SW 8081
Endrin aldehyde	<3.11	ug/kg dry	3.11	07/27/06	AR	SW 8081
Endrin ketone	<3.11	ug/kg dry	3.11	07/27/06	AR	SW 8081
4,4'-DDD	<3.11	ug/kg dry	3.11	07/27/06	AR	SW 8081
4,4'-DDE	<3.11	ug/kg dry	3.11	07/27/06	AR	SW 8081
4,4'-DDT	<3.11	ug/kg dry	3.11	07/27/06	AR	SW 8081
Methoxychlor	<6.22	ug/kg dry	6.22	07/27/06	AR	SW 8081
Dieldrin	<3.11	ug/kg dry	3.11	07/27/06	AR	SW 8081
Chlordane (technical)	<6.22	ug/kg dry	6.22	07/27/06	AR	SW 8081
Toxaphene	<6.22	ug/kg dry	6.22	07/27/06	AR	SW 8081

Extracted 07/22/06 by Soxhlet Extraction for SW 8082.

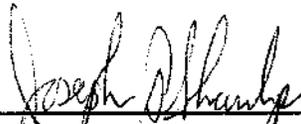
Aroclor 1016	<24.9	ug/kg dry	24.9	07/27/06	AR	SW 8082
Aroclor 1221	<24.9	ug/kg dry	24.9	07/27/06	AR	SW 8082
Aroclor 1232	<24.9	ug/kg dry	24.9	07/27/06	AR	SW 8082
Aroclor 1242	<24.9	ug/kg dry	24.9	07/27/06	AR	SW 8082
Aroclor 1248	<24.9	ug/kg dry	24.9	07/27/06	AR	SW 8082
Aroclor 1254	<24.9	ug/kg dry	24.9	07/27/06	AR	SW 8082
Aroclor 1260	<24.9	ug/kg dry	24.9	07/27/06	AR	SW 8082

References

- EPA - 40 Code of Federal Regulations, Part 136, October 26, 1984.
SW - SW 846 3rd Edition.
SM - Standard Methods for the Examination of Water and Wastewater, 18th edition.
LT - Lachat Method Manual, "Methods List for Automated Ion Analyzers", February 2004

New York State ELAP Laboratory ID #10950/EPA Laboratory ID #NY01292/New Jersey DEP Laboratory ID #NY006

Laboratory Director:



Joseph P. Shaulys



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July 28, 2006

Hydro Tech Environmental
 1111 Fulton Street
 Brooklyn, NY 11238

Att: Eva Jakubowska

Sample Description: Soil - 264 North 10th Street Project/ Brooklyn, B-7, 8-10' - 07/14/06
 Sample Collected By: Hydro Tech Environmental
 Purchase Order: Verbal
 Date Samples Received: 7/20/06
 Work Order Number: 0607074
 Lab ID Number: 0607074-14

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Aluminum	18200	mg/kg dry	14.5	07/25/06	DW	SW 6010B
Antimony	2.05	mg/kg dry	0.436	07/25/06	DW	SW 6010B
Arsenic	<0.242	mg/kg dry	0.242	07/25/06	DW	SW 6010B
Barium	114	mg/kg dry	0.048	07/25/06	DW	SW 6010B
Beryllium	0.445	mg/kg dry	0.048	07/25/06	DW	SW 6010B
Cadmium	2.84	mg/kg dry	0.048	07/25/06	DW	SW 6010B
Calcium	3240	mg/kg dry	36.3	07/25/06	DW	SW 6010B
Chromium	23.4	mg/kg dry	0.048	07/25/06	DW	SW 6010B
Cobalt	6.97	mg/kg dry	0.048	07/25/06	DW	SW 6010B
Copper	23.3	mg/kg dry	0.048	07/25/06	DW	SW 6010B
Iron	29100	mg/kg dry	6.05	07/25/06	DW	SW 6010B
Lead	64.1	mg/kg dry	0.145	07/25/06	DW	SW 6010B
Magnesium	2670	mg/kg dry	8.47	07/25/06	DW	SW 6010B
Manganese	345	mg/kg dry	0.048	07/25/06	DW	SW 6010B
Mercury	0.392	mg/kg dry	0.001	07/26/06	DW	SW 7471A
Nickel	11.4	mg/kg dry	0.097	07/25/06	DW	SW 6010B
Potassium	1310	mg/kg dry	12.1	07/25/06	DW	SW 6010B
Selenium	<0.484	mg/kg dry	0.484	07/25/06	DW	SW 6010B
Silver	<0.097	mg/kg dry	0.097	07/25/06	DW	SW 6010B
Sodium	45.6	mg/kg dry	0.484	07/25/06	DW	SW 6010B
Thallium	<0.242	mg/kg dry	0.242	07/25/06	DW	SW 6010B
Vanadium	35.3	mg/kg dry	0.097	07/25/06	DW	SW 6010B
Zinc	262	mg/kg dry	0.097	07/25/06	DW	SW6010B
Acetone	30.2	ug/kg dry	11.7	07/22/06	VNS	SW 8260B



Lab ID Number: 0607074-14

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Benzene	<1.17	ug/kg dry	1.17	07/22/06	VNS	SW 8260B
Bromodichloromethane	<5.87	ug/kg dry	5.87	07/22/06	VNS	SW 8260B
Bromoform	<1.17	ug/kg dry	1.17	07/22/06	VNS	SW 8260B
Bromomethane	<2.35	ug/kg dry	2.35	07/22/06	VNS	SW 8260B
Carbon disulfide	<5.87	ug/kg dry	5.87	07/22/06	VNS	SW 8260B
Carbon Tetrachloride	<2.35	ug/kg dry	2.35	07/22/06	VNS	SW 8260B
Chlorobenzene	<1.17	ug/kg dry	1.17	07/22/06	VNS	SW 8260B
Chloroethane	<2.35	ug/kg dry	2.35	07/22/06	VNS	SW 8260B
Chloroform	<1.17	ug/kg dry	1.17	07/22/06	VNS	SW 8260B
Chloromethane	<2.35	ug/kg dry	2.35	07/22/06	VNS	SW 8260B
Dibromochloromethane	<5.87	ug/kg dry	5.87	07/22/06	VNS	SW 8260B
1,3-Dichlorobenzene	<2.35	ug/kg dry	2.35	07/22/06	VNS	SW 8260B
1,2-Dichlorobenzene	<1.17	ug/kg dry	1.17	07/22/06	VNS	SW 8260B
1,4-Dichlorobenzene	<1.17	ug/kg dry	1.17	07/22/06	VNS	SW 8260B
1,2-Dichloroethane	<1.17	ug/kg dry	1.17	07/22/06	VNS	SW 8260B
1,1-Dichloroethane	<2.35	ug/kg dry	2.35	07/22/06	VNS	SW 8260B
trans-1,2-Dichloroethene	<1.17	ug/kg dry	1.17	07/22/06	VNS	SW 8260B
cis-1,2-Dichloroethene	<1.17	ug/kg dry	1.17	07/22/06	VNS	SW 8260B
1,1-Dichloroethene	<1.17	ug/kg dry	1.17	07/22/06	VNS	SW 8260B
1,2-Dichloropropane	<2.35	ug/kg dry	2.35	07/22/06	VNS	SW 8260B
cis-1,3-Dichloropropene	<1.17	ug/kg dry	1.17	07/22/06	VNS	SW 8260B
trans-1,3-Dichloropropene	<1.17	ug/kg dry	1.17	07/22/06	VNS	SW 8260B
Ethylbenzene	<2.35	ug/kg dry	2.35	07/22/06	VNS	SW 8260B
Hexachlorobutadiene	<1.17	ug/kg dry	1.17	07/22/06	VNS	SW 8260B
2-Hexanone	<5.87	ug/kg dry	5.87	07/22/06	VNS	SW 8260B
Methylene Chloride	<11.7	ug/kg dry	11.7	07/22/06	VNS	SW 8260B
Methyl Ethyl Ketone	<2.35	ug/kg dry	2.35	07/22/06	VNS	SW 8260B
Methyl Isobutyl Ketone	<5.87	ug/kg dry	5.87	07/22/06	VNS	SW 8260B
Naphthalene	<2.35	ug/kg dry	2.35	07/22/06	VNS	SW 8260B
Styrene	<1.17	ug/kg dry	1.17	07/22/06	VNS	SW 8260B
1,1,2,2-Tetrachloroethane	<2.35	ug/kg dry	2.35	07/22/06	VNS	SW 8260B
Tetrachloroethene	<1.17	ug/kg dry	1.17	07/22/06	VNS	SW 8260B
Toluene	<1.17	ug/kg dry	1.17	07/22/06	VNS	SW 8260B
1,2,4-Trichlorobenzene	<1.17	ug/kg dry	1.17	07/22/06	VNS	SW 8260B
1,1,2-Trichloroethane	<2.35	ug/kg dry	2.35	07/22/06	VNS	SW 8260B
1,1,1-Trichloroethane	<1.17	ug/kg dry	1.17	07/22/06	VNS	SW 8260B
Trichloroethene	<1.17	ug/kg dry	1.17	07/22/06	VNS	SW 8260B
Vinyl acetate	<5.87	ug/kg dry	5.87	07/22/06	VNS	SW 8260B
Vinyl chloride	<5.87	ug/kg dry	5.87	07/22/06	VNS	SW 8260B



Lab ID Number: 0607074-14

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
m,p-Xylene	<2.35	ug/kg dry	2.35	07/22/06	VNS	SW 8260B
o-Xylene	<1.17	ug/kg dry	1.17	07/22/06	VNS	SW 8260B

Extracted 07/22/06 by Soxhlet Extraction for SW 8270C.

Acenaphthene	<58.7	ug/kg dry	58.7	07/24/06	AR	SW 8270C
Acenaphthylene	<58.7	ug/kg dry	58.7	07/24/06	AR	SW 8270C
Anthracene	<117	ug/kg dry	117	07/24/06	AR	SW 8270C
Benzo (a) anthracene	<58.7	ug/kg dry	58.7	07/24/06	AR	SW 8270C
Benzo (a) pyrene	<58.7	ug/kg dry	58.7	07/24/06	AR	SW 8270C
Benzo (b) fluoranthene	<293	ug/kg dry	293	07/24/06	AR	SW 8270C
Benzo (g,h,i) perylene	<58.7	ug/kg dry	58.7	07/24/06	AR	SW 8270C
Benzo (k) fluoranthene	<117	ug/kg dry	117	07/24/06	AR	SW 8270C
4-Bromophenyl phenyl ether	<58.7	ug/kg dry	58.7	07/24/06	AR	SW 8270C
Butyl benzyl phthalate	<293	ug/kg dry	293	07/24/06	AR	SW 8270C
4-Chloro-3-methylphenol	<117	ug/kg dry	117	07/24/06	AR	SW 8270C
4-Chloroaniline	<293	ug/kg dry	293	07/24/06	AR	SW 8270C
Bis(2-chloroethoxy)methane	<117	ug/kg dry	117	07/24/06	AR	SW 8270C
Bis(2-chloroethyl)ether	<117	ug/kg dry	117	07/24/06	AR	SW 8270C
Bis(2-chloroisopropyl)ether	<117	ug/kg dry	117	07/24/06	AR	SW 8270C
2-Chloronaphthalene	<58.7	ug/kg dry	58.7	07/24/06	AR	SW 8270C
2-Chlorophenol	<117	ug/kg dry	117	07/24/06	AR	SW 8270C
4-Chlorophenyl phenyl ether	<117	ug/kg dry	117	07/24/06	AR	SW 8270C
Chrysene	<117	ug/kg dry	117	07/24/06	AR	SW 8270C
Dibenz (a,h) anthracene	<117	ug/kg dry	117	07/24/06	AR	SW 8270C
Dibenzofuran	<293	ug/kg dry	293	07/24/06	AR	SW 8270C
Di-n-butyl phthalate	<117	ug/kg dry	117	07/24/06	AR	SW 8270C
1,4-Dichlorobenzene	<117	ug/kg dry	117	07/24/06	AR	SW 8270C
1,2-Dichlorobenzene	<58.7	ug/kg dry	58.7	07/24/06	AR	SW 8270C
1,3-Dichlorobenzene	<117	ug/kg dry	117	07/24/06	AR	SW 8270C
2,4-Dichlorophenol	<117	ug/kg dry	117	07/24/06	AR	SW 8270C
Diethyl phthalate	<117	ug/kg dry	117	07/24/06	AR	SW 8270C
2,4-Dimethylphenol	<587	ug/kg dry	587	07/24/06	AR	SW 8270C
Dimethyl phthalate	<58.7	ug/kg dry	58.7	07/24/06	AR	SW 8270C
4,6-Dinitro-2-methylphenol	<293	ug/kg dry	293	07/24/06	AR	SW 8270C
3,3'-Dichlorobenzidine	<293	ug/kg dry	293	07/24/06	AR	SW 8270C
2,4-Dinitrophenol	<293	ug/kg dry	293	07/24/06	AR	SW 8270C
2,4-Dinitrotoluene	<117	ug/kg dry	117	07/24/06	AR	SW 8270C
2,6-Dinitrotoluene	<117	ug/kg dry	117	07/24/06	AR	SW 8270C



Lab ID Number: 0607074-14

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Di-n-octyl phthalate	<293	ug/kg dry	293	07/24/06	AR	SW 8270C
Bis(2-ethylhexyl)phthalate	482	ug/kg dry	117	07/24/06	AR	SW 8270C
Fluoranthene	<58.7	ug/kg dry	58.7	07/24/06	AR	SW 8270C
Fluorene	<117	ug/kg dry	117	07/24/06	AR	SW 8270C
Hexachlorobenzene	<117	ug/kg dry	117	07/24/06	AR	SW 8270C
Hexachlorobutadiene	<117	ug/kg dry	117	07/24/06	AR	SW 8270C
Hexachlorocyclopentadiene	<587	ug/kg dry	587	07/24/06	AR	SW 8270C
Hexachloroethane	<117	ug/kg dry	117	07/24/06	AR	SW 8270C
Indeno (1,2,3-cd) pyrene	<117	ug/kg dry	117	07/24/06	AR	SW 8270C
Isophorone	<117	ug/kg dry	117	07/24/06	AR	SW 8270C
2-Methylnaphthalene	<58.7	ug/kg dry	58.7	07/24/06	AR	SW 8270C
2-Methylphenol	<117	ug/kg dry	117	07/24/06	AR	SW 8270C
3 & 4-Methylphenol	<117	ug/kg dry	117	07/24/06	AR	SW 8270C
Naphthalene	<58.7	ug/kg dry	58.7	07/24/06	AR	SW 8270C
2-Nitroaniline	<293	ug/kg dry	293	07/24/06	AR	SW 8270C
4-Nitroaniline	<293	ug/kg dry	293	07/24/06	AR	SW 8270C
3-Nitroaniline	<293	ug/kg dry	293	07/24/06	AR	SW 8270C
Nitrobenzene	<117	ug/kg dry	117	07/24/06	AR	SW 8270C
4-Nitrophenol	<293	ug/kg dry	293	07/24/06	AR	SW 8270C
2-Nitrophenol	<293	ug/kg dry	293	07/24/06	AR	SW 8270C
N-Nitrosodiphenylamine	<117	ug/kg dry	117	07/24/06	AR	SW 8270C
N-Nitrosodi-n-propylamine	<117	ug/kg dry	117	07/24/06	AR	SW 8270C
Pentachlorophenol	<293	ug/kg dry	293	07/24/06	AR	SW 8270C
Phenanthrene	<117	ug/kg dry	117	07/24/06	AR	SW 8270C
Phenol	<117	ug/kg dry	117	07/24/06	AR	SW 8270C
Pyrene	<117	ug/kg dry	117	07/24/06	AR	SW 8270C
1,2,4-Trichlorobenzene	<58.7	ug/kg dry	58.7	07/24/06	AR	SW 8270C
2,4,5-Trichlorophenol	<117	ug/kg dry	117	07/24/06	AR	SW 8270C
2,4,6-Trichlorophenol	<58.7	ug/kg dry	58.7	07/24/06	AR	SW 8270C



Lab ID Number: 0807074-14

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Extracted 07/22/06 by Soxhlet Extraction for SW 8081.						
alpha-BHC	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
alpha-Chlordane	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
beta-BHC	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
Aldrin	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
gamma-BHC (Lindane)	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
gamma-Chlordane	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
Heptachlor	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
Heptachlor epoxide	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
delta-BHC	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
Endosulfan I	<2.93	ug/kg dry	2.93	07/27/06	AR	SW 8081
Endosulfan II	<2.93	ug/kg dry	2.93	07/27/06	AR	SW 8081
Endosulfan sulfate	<2.93	ug/kg dry	2.93	07/27/06	AR	SW 8081
Endrin	<2.93	ug/kg dry	2.93	07/27/06	AR	SW 8081
Endrin aldehyde	<2.93	ug/kg dry	2.93	07/27/06	AR	SW 8081
Endrin ketone	<2.93	ug/kg dry	2.93	07/27/06	AR	SW 8081
4,4'-DDD	<2.93	ug/kg dry	2.93	07/27/06	AR	SW 8081
4,4'-DDE	<2.93	ug/kg dry	2.93	07/27/06	AR	SW 8081
4,4'-DDT	<2.93	ug/kg dry	2.93	07/27/06	AR	SW 8081
Methoxychlor	<5.87	ug/kg dry	5.87	07/27/06	AR	SW 8081
Dieldrin	<2.93	ug/kg dry	2.93	07/27/06	AR	SW 8081
Chlordane (technical)	<5.87	ug/kg dry	5.87	07/27/06	AR	SW 8081
Toxaphene	<5.87	ug/kg dry	5.87	07/27/06	AR	SW 8081

Extracted 07/22/06 by Soxhlet Extraction for SW 8082.

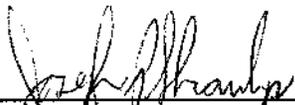
Aroclor 1016	<23.5	ug/kg dry	23.5	07/27/06	AR	SW 8082
Aroclor 1221	<23.5	ug/kg dry	23.5	07/27/06	AR	SW 8082
Aroclor 1232	<23.5	ug/kg dry	23.5	07/27/06	AR	SW 8082
Aroclor 1242	<23.5	ug/kg dry	23.5	07/27/06	AR	SW 8082
Aroclor 1248	<23.5	ug/kg dry	23.5	07/27/06	AR	SW 8082
Aroclor 1254	<23.5	ug/kg dry	23.5	07/27/06	AR	SW 8082
Aroclor 1260	<23.5	ug/kg dry	23.5	07/27/06	AR	SW 8082

References

- EPA - 40 Code of Federal Regulations, Part 136, October 26, 1984.
- SW - SW 846 3rd Edition.
- SM - Standard Methods for the Examination of Water and Wastewater, 18th edition.
- LT - Lachat Method Manual, "*Methods List for Automated Ion Analyzers*", February 2004

New York State ELAP Laboratory ID #10950/EPA Laboratory ID #NY01292/New Jersey DEP Laboratory ID #NY006

Laboratory Director:



Joseph P. Shaulys



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July 28, 2006

Hydro Tech Environmental
 1111 Fulton Street
 Brooklyn, NY 11238

Att: Eva Jakubowska

Sample Description: Soil - 264 North 10th Street Project/ Brooklyn, B-8, 0-2' - 07/14/06
 Sample Collected By: Hydro Tech Environmental
 Purchase Order: Verbal
 Date Samples Received: 7/20/06
 Work Order Number: 0607074
 Lab ID Number: 0607074-15

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Aluminum	8250	mg/kg dry	17.7	07/25/06	DW	SW 6010B
Antimony	17.3	mg/kg dry	0.531	07/25/06	DW	SW 6010B
Arsenic	<0.295	mg/kg dry	0.295	07/25/06	DW	SW 6010B
Barium	368	mg/kg dry	1.48	07/25/06	DW	SW 6010B
Beryllium	0.268	mg/kg dry	0.059	07/25/06	DW	SW 6010B
Cadmium	5.62	mg/kg dry	0.059	07/25/06	DW	SW 6010B
Calcium	9270	mg/kg dry	44.3	07/25/06	DW	SW 6010B
Chromium	17.6	mg/kg dry	0.059	07/25/06	DW	SW 6010B
Cobalt	6.83	mg/kg dry	0.059	07/25/06	DW	SW 6010B
Copper	139	mg/kg dry	0.059	07/25/06	DW	SW 6010B
Iron	51500	mg/kg dry	7.38	07/25/06	DW	SW 6010B
Lead	721	mg/kg dry	4.43	07/25/06	DW	SW 6010B
Magnesium	2510	mg/kg dry	10.3	07/25/06	DW	SW 6010B
Manganese	1200	mg/kg dry	1.48	07/25/06	DW	SW 6010B
Mercury	1.42	mg/kg dry	0.006	07/26/06	DW	SW 7471A
Nickel	15.0	mg/kg dry	0.118	07/25/06	DW	SW 6010B
Potassium	1510	mg/kg dry	14.8	07/25/06	DW	SW 6010B
Selenium	<0.590	mg/kg dry	0.590	07/25/06	DW	SW 6010B
Silver	<0.118	mg/kg dry	0.118	07/25/06	DW	SW 6010B
Sodium	121	mg/kg dry	0.590	07/25/06	DW	SW 6010B
Thallium	<0.295	mg/kg dry	0.295	07/25/06	DW	SW 6010B
Vanadium	28.8	mg/kg dry	0.118	07/25/06	DW	SW 6010B
Zinc	487	mg/kg dry	0.118	07/25/06	DW	SW6010B
Acetone	<11.8	ug/kg dry	11.8	07/22/06	VNS	SW 8260B



Lab ID Number: 0607074-15

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Benzene	8.23	ug/kg dry	1.18	07/22/06	VNS	SW 8260B
Bromodichloromethane	<5.90	ug/kg dry	5.90	07/22/06	VNS	SW 8260B
Bromoform	<1.18	ug/kg dry	1.18	07/22/06	VNS	SW 8260B
Bromomethane	<2.36	ug/kg dry	2.36	07/22/06	VNS	SW 8260B
Carbon disulfide	<5.90	ug/kg dry	5.90	07/22/06	VNS	SW 8260B
Carbon Tetrachloride	<2.36	ug/kg dry	2.36	07/22/06	VNS	SW 8260B
Chlorobenzene	<1.18	ug/kg dry	1.18	07/22/06	VNS	SW 8260B
Chloroethane	<2.36	ug/kg dry	2.36	07/22/06	VNS	SW 8260B
Chloroform	<1.18	ug/kg dry	1.18	07/22/06	VNS	SW 8260B
Chloromethane	<2.36	ug/kg dry	2.36	07/22/06	VNS	SW 8260B
Dibromochloromethane	<5.90	ug/kg dry	5.90	07/22/06	VNS	SW 8260B
1,3-Dichlorobenzene	<2.36	ug/kg dry	2.36	07/22/06	VNS	SW 8260B
1,2-Dichlorobenzene	<1.18	ug/kg dry	1.18	07/22/06	VNS	SW 8260B
1,4-Dichlorobenzene	<1.18	ug/kg dry	1.18	07/22/06	VNS	SW 8260B
1,2-Dichloroethane	<1.18	ug/kg dry	1.18	07/22/06	VNS	SW 8260B
1,1-Dichloroethane	<2.36	ug/kg dry	2.36	07/22/06	VNS	SW 8260B
trans-1,2-Dichloroethene	<1.18	ug/kg dry	1.18	07/22/06	VNS	SW 8260B
cis-1,2-Dichloroethene	<1.18	ug/kg dry	1.18	07/22/06	VNS	SW 8260B
1,1-Dichloroethene	<1.18	ug/kg dry	1.18	07/22/06	VNS	SW 8260B
1,2-Dichloropropane	<2.36	ug/kg dry	2.36	07/22/06	VNS	SW 8260B
cis-1,3-Dichloropropene	<1.18	ug/kg dry	1.18	07/22/06	VNS	SW 8260B
trans-1,3-Dichloropropene	<1.18	ug/kg dry	1.18	07/22/06	VNS	SW 8260B
Ethylbenzene	<2.36	ug/kg dry	2.36	07/22/06	VNS	SW 8260B
Hexachlorobutadiene	<1.18	ug/kg dry	1.18	07/22/06	VNS	SW 8260B
2-Hexanone	<5.90	ug/kg dry	5.90	07/22/06	VNS	SW 8260B
Methylene Chloride	<11.8	ug/kg dry	11.8	07/22/06	VNS	SW 8260B
Methyl Ethyl Ketone	<2.36	ug/kg dry	2.36	07/22/06	VNS	SW 8260B
Methyl Isobutyl Ketone	<5.90	ug/kg dry	5.90	07/22/06	VNS	SW 8260B
Naphthalene	<2.36	ug/kg dry	2.36	07/22/06	VNS	SW 8260B
Styrene	<1.18	ug/kg dry	1.18	07/22/06	VNS	SW 8260B
1,1,2,2-Tetrachloroethane	<2.36	ug/kg dry	2.36	07/22/06	VNS	SW 8260B
Tetrachloroethene	<1.18	ug/kg dry	1.18	07/22/06	VNS	SW 8260B
Toluene	<1.18	ug/kg dry	1.18	07/22/06	VNS	SW 8260B
1,2,4-Trichlorobenzene	<1.18	ug/kg dry	1.18	07/22/06	VNS	SW 8260B
1,1,2-Trichloroethane	<2.36	ug/kg dry	2.36	07/22/06	VNS	SW 8260B
1,1,1-Trichloroethane	<1.18	ug/kg dry	1.18	07/22/06	VNS	SW 8260B
Trichloroethene	<1.18	ug/kg dry	1.18	07/22/06	VNS	SW 8260B
Vinyl acetate	<5.90	ug/kg dry	5.90	07/22/06	VNS	SW 8260B
Vinyl chloride	<5.90	ug/kg dry	5.90	07/22/06	VNS	SW 8260B



Lab ID Number: 0607074-15

Analyte	Results	Units	RL	Analyzed	By	Method
m,p-Xylene	<2.36	ug/kg dry	2.36	07/22/06	VNS	SW 8260B
o-Xylene	<1.18	ug/kg dry	1.18	07/22/06	VNS	SW 8260B

Extracted 07/22/06 by Soxhlet Extraction for SW 8270C.

Acenaphthene	66.7	ug/kg dry	59.0	07/24/06	AR	SW 8270C
Acenaphthylene	61.4	ug/kg dry	59.0	07/24/06	AR	SW 8270C
Anthracene	234	ug/kg dry	118	07/24/06	AR	SW 8270C
Benzo (a) anthracene	630	ug/kg dry	59.0	07/24/06	AR	SW 8270C
Benzo (a) pyrene	672	ug/kg dry	59.0	07/24/06	AR	SW 8270C
Benzo (b) fluoranthene	701	ug/kg dry	295	07/24/06	AR	SW 8270C
Benzo (g,h,i) perylene	846	ug/kg dry	59.0	07/24/06	AR	SW 8270C
Benzo (k) fluoranthene	490	ug/kg dry	118	07/24/06	AR	SW 8270C
4-Bromophenyl phenyl ether	<59.0	ug/kg dry	59.0	07/24/06	AR	SW 8270C
Butyl benzyl phthalate	<295	ug/kg dry	295	07/24/06	AR	SW 8270C
4-Chloro-3-methylphenol	<118	ug/kg dry	118	07/24/06	AR	SW 8270C
4-Chloroaniline	<295	ug/kg dry	295	07/24/06	AR	SW 8270C
Bis(2-chloroethoxy)methane	<118	ug/kg dry	118	07/24/06	AR	SW 8270C
Bis(2-chloroethyl)ether	<118	ug/kg dry	118	07/24/06	AR	SW 8270C
Bis(2-chloroisopropyl)ether	<118	ug/kg dry	118	07/24/06	AR	SW 8270C
2-Chloronaphthalene	<59.0	ug/kg dry	59.0	07/24/06	AR	SW 8270C
2-Chlorophenol	<118	ug/kg dry	118	07/24/06	AR	SW 8270C
4-Chlorophenyl phenyl ether	<118	ug/kg dry	118	07/24/06	AR	SW 8270C
Chrysene	767	ug/kg dry	118	07/24/06	AR	SW 8270C
Dibenz (a,h) anthracene	<118	ug/kg dry	118	07/24/06	AR	SW 8270C
Dibenzofuran	<295	ug/kg dry	295	07/24/06	AR	SW 8270C
Di-n-butyl phthalate	125	ug/kg dry	118	07/24/06	AR	SW 8270C
1,4-Dichlorobenzene	<118	ug/kg dry	118	07/24/06	AR	SW 8270C
1,2-Dichlorobenzene	<59.0	ug/kg dry	59.0	07/24/06	AR	SW 8270C
1,3-Dichlorobenzene	<118	ug/kg dry	118	07/24/06	AR	SW 8270C
2,4-Dichlorophenol	<118	ug/kg dry	118	07/24/06	AR	SW 8270C
Diethyl phthalate	<118	ug/kg dry	118	07/24/06	AR	SW 8270C
2,4-Dimethylphenol	<590	ug/kg dry	590	07/24/06	AR	SW 8270C
Dimethyl phthalate	<59.0	ug/kg dry	59.0	07/24/06	AR	SW 8270C
4,6-Dinitro-2-methylphenol	<295	ug/kg dry	295	07/24/06	AR	SW 8270C
2,4-Dinitrophenol	<295	ug/kg dry	295	07/24/06	AR	SW 8270C
3,3'-Dichlorobenzidine	<295	ug/kg dry	295	07/24/06	AR	SW 8270C
2,4-Dinitrotoluene	<118	ug/kg dry	118	07/24/06	AR	SW 8270C
2,6-Dinitrotoluene	<118	ug/kg dry	118	07/24/06	AR	SW 8270C



Lab ID Number: 0607074-15

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Di-n-octyl phthalate	<295	ug/kg dry	295	07/24/06	AR	SW 8270C
Bis(2-ethylhexyl)phthalate	1170	ug/kg dry	118	07/24/06	AR	SW 8270C
Fluoranthene	1550	ug/kg dry	59.0	07/24/06	AR	SW 8270C
Fluorene	<118	ug/kg dry	118	07/24/06	AR	SW 8270C
Hexachlorobenzene	<118	ug/kg dry	118	07/24/06	AR	SW 8270C
Hexachlorobutadiene	<118	ug/kg dry	118	07/24/06	AR	SW 8270C
Hexachlorocyclopentadiene	<590	ug/kg dry	590	07/24/06	AR	SW 8270C
Hexachloroethane	<118	ug/kg dry	118	07/24/06	AR	SW 8270C
Indeno (1,2,3-cd) pyrene	381	ug/kg dry	118	07/24/06	AR	SW 8270C
Isophorone	<118	ug/kg dry	118	07/24/06	AR	SW 8270C
2-Methylnaphthalene	<59.0	ug/kg dry	59.0	07/24/06	AR	SW 8270C
2-Methylphenol	<118	ug/kg dry	118	07/24/06	AR	SW 8270C
3 & 4-Methylphenol	<118	ug/kg dry	118	07/24/06	AR	SW 8270C
Naphthalene	<59.0	ug/kg dry	59.0	07/24/06	AR	SW 8270C
2-Nitroaniline	<295	ug/kg dry	295	07/24/06	AR	SW 8270C
4-Nitroaniline	<295	ug/kg dry	295	07/24/06	AR	SW 8270C
3-Nitroaniline	<295	ug/kg dry	295	07/24/06	AR	SW 8270C
Nitrobenzene	<118	ug/kg dry	118	07/24/06	AR	SW 8270C
4-Nitrophenol	<295	ug/kg dry	295	07/24/06	AR	SW 8270C
2-Nitrophenol	<295	ug/kg dry	295	07/24/06	AR	SW 8270C
N-Nitrosodiphenylamine	<118	ug/kg dry	118	07/24/06	AR	SW 8270C
N-Nitrosodi-n-propylamine	<118	ug/kg dry	118	07/24/06	AR	SW 8270C
Pentachlorophenol	<295	ug/kg dry	295	07/24/06	AR	SW 8270C
Phenanthrene	891	ug/kg dry	118	07/24/06	AR	SW 8270C
Phenol	<118	ug/kg dry	118	07/24/06	AR	SW 8270C
Pyrene	1160	ug/kg dry	118	07/24/06	AR	SW 8270C
1,2,4-Trichlorobenzene	<59.0	ug/kg dry	59.0	07/24/06	AR	SW 8270C
2,4,5-Trichlorophenol	<118	ug/kg dry	118	07/24/06	AR	SW 8270C
2,4,6-Trichlorophenol	<59.0	ug/kg dry	59.0	07/24/06	AR	SW 8270C



Lab ID Number: 0607074-15

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Extracted 07/22/06 by Soxhlet Extraction for SW 8081.						
alpha-BHC	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
alpha-Chlordane	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
beta-BHC	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
Aldrin	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
gamma-BHC (Lindane)	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
gamma-Chlordane	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
Heptachlor	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
Heptachlor epoxide	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
delta-BHC	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
Endosulfan I	<2.95	ug/kg dry	2.95	07/27/06	AR	SW 8081
Endosulfan II	<2.95	ug/kg dry	2.95	07/27/06	AR	SW 8081
Endosulfan sulfate	<2.95	ug/kg dry	2.95	07/27/06	AR	SW 8081
Endrin	<2.95	ug/kg dry	2.95	07/27/06	AR	SW 8081
Endrin aldehyde	<2.95	ug/kg dry	2.95	07/27/06	AR	SW 8081
Endrin ketone	<2.95	ug/kg dry	2.95	07/27/06	AR	SW 8081
4,4'-DDD	<2.95	ug/kg dry	2.95	07/27/06	AR	SW 8081
4,4'-DDE	<2.95	ug/kg dry	2.95	07/27/06	AR	SW 8081
4,4'-DDT	<2.95	ug/kg dry	2.95	07/27/06	AR	SW 8081
Methoxychlor	<5.90	ug/kg dry	5.90	07/27/06	AR	SW 8081
Dieldrin	<2.95	ug/kg dry	2.95	07/27/06	AR	SW 8081
Chlordane (technical)	<5.90	ug/kg dry	5.90	07/27/06	AR	SW 8081
Toxaphene	<5.90	ug/kg dry	5.90	07/27/06	AR	SW 8081

Extracted 07/22/06 by Soxhlet Extraction for SW 8082.

Aroclor 1016	<23.6	ug/kg dry	23.6	07/27/06	AR	SW 8082
Aroclor 1221	<23.6	ug/kg dry	23.6	07/27/06	AR	SW 8082
Aroclor 1232	<23.6	ug/kg dry	23.6	07/27/06	AR	SW 8082
Aroclor 1242	<23.6	ug/kg dry	23.6	07/27/06	AR	SW 8082
Aroclor 1248	<23.6	ug/kg dry	23.6	07/27/06	AR	SW 8082
Aroclor 1254	<23.6	ug/kg dry	23.6	07/27/06	AR	SW 8082
Aroclor 1260	<23.6	ug/kg dry	23.6	07/27/06	AR	SW 8082

References

- EPA - 40 Code of Federal Regulations, Part 136, October 26, 1984.
SW - SW 846 3rd Edition.
SM - Standard Methods for the Examination of Water and Wastewater, 18th edition.
LT - Lachat Method Manual, "Methods List for Automated Ion Analyzers", February 2004

New York State ELAP Laboratory ID #10950/EPA Laboratory ID #NY01292/New Jersey DEP Laboratory ID #NY006

Laboratory Director:



Joseph P. Shaulys



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July 28, 2006

Hydro Tech Environmental
 1111 Fulton Street
 Brooklyn, NY 11238

Att: Eva Jakubowska

Sample Description: Soil - 264 North 10th Street Project/ Brooklyn, B-8, 8-10' - 07/14/06
 Sample Collected By: Hydro Tech Environmental
 Purchase Order: Verbal
 Date Samples Received: 7/20/06
 Work Order Number: 0607074
 Lab ID Number: 0607074-16

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Aluminum	17200	mg/kg dry	17.5	07/25/06	DW	SW 6010B
Antimony	2.24	mg/kg dry	0.526	07/25/06	DW	SW 6010B
Arsenic	<0.292	mg/kg dry	0.292	07/25/06	DW	SW 6010B
Barium	130	mg/kg dry	0.058	07/25/06	DW	SW 6010B
Beryllium	1.21	mg/kg dry	0.058	07/25/06	DW	SW 6010B
Cadmium	2.24	mg/kg dry	0.058	07/25/06	DW	SW 6010B
Calcium	2270	mg/kg dry	43.9	07/25/06	DW	SW 6010B
Chromium	20.9	mg/kg dry	0.058	07/25/06	DW	SW 6010B
Cobalt	9.91	mg/kg dry	0.058	07/25/06	DW	SW 6010B
Copper	23.7	mg/kg dry	0.058	07/25/06	DW	SW 6010B
Iron	23700	mg/kg dry	7.31	07/25/06	DW	SW 6010B
Lead	181	mg/kg dry	0.175	07/25/06	DW	SW 6010B
Manganese	226	mg/kg dry	0.058	07/25/06	DW	SW 6010B
Magnesium	2750	mg/kg dry	10.2	07/25/06	DW	SW 6010B
Mercury	11.5	mg/kg dry	0.020	07/26/06	DW	SW 7471A
Nickel	21.9	mg/kg dry	0.117	07/25/06	DW	SW 6010B
Potassium	1340	mg/kg dry	14.6	07/25/06	DW	SW 6010B
Selenium	<0.585	mg/kg dry	0.585	07/25/06	DW	SW 6010B
Silver	<0.117	mg/kg dry	0.117	07/25/06	DW	SW 6010B
Sodium	27.2	mg/kg dry	0.585	07/25/06	DW	SW 6010B
Thallium	<0.292	mg/kg dry	0.292	07/25/06	DW	SW 6010B
Vanadium	45.4	mg/kg dry	0.117	07/25/06	DW	SW 6010B
Zinc	456	mg/kg dry	0.117	07/25/06	DW	SW6010B
Acetone	20.4	ug/kg dry	11.7	07/22/06	VNS	SW 8260B



Lab ID Number: 0607074-16

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Benzene	<1.17	ug/kg dry	1.17	07/22/06	VNS	SW 8260B
Bromodichloromethane	<5.85	ug/kg dry	5.85	07/22/06	VNS	SW 8260B
Bromoform	<1.17	ug/kg dry	1.17	07/22/06	VNS	SW 8260B
Bromomethane	<2.34	ug/kg dry	2.34	07/22/06	VNS	SW 8260B
Carbon disulfide	<5.85	ug/kg dry	5.85	07/22/06	VNS	SW 8260B
Carbon Tetrachloride	<2.34	ug/kg dry	2.34	07/22/06	VNS	SW 8260B
Chlorobenzene	<1.17	ug/kg dry	1.17	07/22/06	VNS	SW 8260B
Chloroethane	<2.34	ug/kg dry	2.34	07/22/06	VNS	SW 8260B
Chloroform	<1.17	ug/kg dry	1.17	07/22/06	VNS	SW 8260B
Chloromethane	<2.34	ug/kg dry	2.34	07/22/06	VNS	SW 8260B
Dibromochloromethane	<5.85	ug/kg dry	5.85	07/22/06	VNS	SW 8260B
1,3-Dichlorobenzene	<2.34	ug/kg dry	2.34	07/22/06	VNS	SW 8260B
1,2-Dichlorobenzene	<1.17	ug/kg dry	1.17	07/22/06	VNS	SW 8260B
1,4-Dichlorobenzene	<1.17	ug/kg dry	1.17	07/22/06	VNS	SW 8260B
1,2-Dichloroethane	<1.17	ug/kg dry	1.17	07/22/06	VNS	SW 8260B
1,1-Dichloroethane	<2.34	ug/kg dry	2.34	07/22/06	VNS	SW 8260B
trans-1,2-Dichloroethene	<1.17	ug/kg dry	1.17	07/22/06	VNS	SW 8260B
cis-1,2-Dichloroethene	<1.17	ug/kg dry	1.17	07/22/06	VNS	SW 8260B
1,1-Dichloroethene	<1.17	ug/kg dry	1.17	07/22/06	VNS	SW 8260B
1,2-Dichloropropane	<2.34	ug/kg dry	2.34	07/22/06	VNS	SW 8260B
cis-1,3-Dichloropropene	<1.17	ug/kg dry	1.17	07/22/06	VNS	SW 8260B
trans-1,3-Dichloropropene	<1.17	ug/kg dry	1.17	07/22/06	VNS	SW 8260B
Ethylbenzene	<2.34	ug/kg dry	2.34	07/22/06	VNS	SW 8260B
Hexachlorobutadiene	<1.17	ug/kg dry	1.17	07/22/06	VNS	SW 8260B
2-Hexanone	<5.85	ug/kg dry	5.85	07/22/06	VNS	SW 8260B
Methylene Chloride	<11.7	ug/kg dry	11.7	07/22/06	VNS	SW 8260B
Methyl Ethyl Ketone	<2.34	ug/kg dry	2.34	07/22/06	VNS	SW 8260B
Methyl Isobutyl Ketone	<5.85	ug/kg dry	5.85	07/22/06	VNS	SW 8260B
Naphthalene	6.13	ug/kg dry	2.34	07/22/06	VNS	SW 8260B
Styrene	<1.17	ug/kg dry	1.17	07/22/06	VNS	SW 8260B
1,1,2,2-Tetrachloroethane	<2.34	ug/kg dry	2.34	07/22/06	VNS	SW 8260B
Tetrachloroethene	<1.17	ug/kg dry	1.17	07/22/06	VNS	SW 8260B
Toluene	<1.17	ug/kg dry	1.17	07/22/06	VNS	SW 8260B
1,2,4-Trichlorobenzene	<1.17	ug/kg dry	1.17	07/22/06	VNS	SW 8260B
1,1,2-Trichloroethane	<2.34	ug/kg dry	2.34	07/22/06	VNS	SW 8260B
1,1,1-Trichloroethane	<1.17	ug/kg dry	1.17	07/22/06	VNS	SW 8260B
Trichloroethene	<1.17	ug/kg dry	1.17	07/22/06	VNS	SW 8260B
Vinyl acetate	<5.85	ug/kg dry	5.85	07/22/06	VNS	SW 8260B
Vinyl chloride	<5.85	ug/kg dry	5.85	07/22/06	VNS	SW 8260B



Lab ID Number: 0607074-16

Analyte	Results	Units	RL	Analyzed	By	Method
m,p-Xylene	<2.34	ug/kg dry	2.34	07/22/06	VNS	SW 8260B
o-Xylene	<1.17	ug/kg dry	1.17	07/22/06	VNS	SW 8260B

Extracted 07/24/06 by Soxhlet Extraction for SW 8270C.

Acenaphthene	114	ug/kg dry	58.5	07/26/06	AR	SW 8270C
Acenaphthylene	<58.5	ug/kg dry	58.5	07/26/06	AR	SW 8270C
Anthracene	<117	ug/kg dry	117	07/26/06	AR	SW 8270C
Benzo (a) anthracene	392	ug/kg dry	58.5	07/26/06	AR	SW 8270C
Benzo (a) pyrene	308	ug/kg dry	58.5	07/26/06	AR	SW 8270C
Benzo (b) fluoranthene	294	ug/kg dry	292	07/26/06	AR	SW 8270C
Benzo (g,h,i) perylene	204	ug/kg dry	58.5	07/26/06	AR	SW 8270C
Benzo (k) fluoranthene	243	ug/kg dry	117	07/26/06	AR	SW 8270C
4-Bromophenyl phenyl ether	<58.5	ug/kg dry	58.5	07/26/06	AR	SW 8270C
Butyl benzyl phthalate	<292	ug/kg dry	292	07/26/06	AR	SW 8270C
4-Chloro-3-methylphenol	<117	ug/kg dry	117	07/26/06	AR	SW 8270C
4-Chloroaniline	<292	ug/kg dry	292	07/26/06	AR	SW 8270C
Bis(2-chloroethoxy)methane	<117	ug/kg dry	117	07/26/06	AR	SW 8270C
Bis(2-chloroethyl)ether	<117	ug/kg dry	117	07/26/06	AR	SW 8270C
Bis(2-chloroisopropyl)ether	<117	ug/kg dry	117	07/26/06	AR	SW 8270C
2-Chloronaphthalene	<58.5	ug/kg dry	58.5	07/26/06	AR	SW 8270C
2-Chlorophenol	<117	ug/kg dry	117	07/26/06	AR	SW 8270C
4-Chlorophenyl phenyl ether	<117	ug/kg dry	117	07/26/06	AR	SW 8270C
Chrysene	373	ug/kg dry	117	07/26/06	AR	SW 8270C
Dibenz (a,h) anthracene	<117	ug/kg dry	117	07/26/06	AR	SW 8270C
Dibenzofuran	<292	ug/kg dry	292	07/26/06	AR	SW 8270C
Di-n-butyl phthalate	<117	ug/kg dry	117	07/26/06	AR	SW 8270C
1,4-Dichlorobenzene	<117	ug/kg dry	117	07/26/06	AR	SW 8270C
1,2-Dichlorobenzene	<58.5	ug/kg dry	58.5	07/26/06	AR	SW 8270C
1,3-Dichlorobenzene	<117	ug/kg dry	117	07/26/06	AR	SW 8270C
2,4-Dichlorophenol	<117	ug/kg dry	117	07/26/06	AR	SW 8270C
Diethyl phthalate	<117	ug/kg dry	117	07/26/06	AR	SW 8270C
2,4-Dimethylphenol	<585	ug/kg dry	585	07/26/06	AR	SW 8270C
Dimethyl phthalate	<58.5	ug/kg dry	58.5	07/26/06	AR	SW 8270C
4,6-Dinitro-2-methylphenol	<292	ug/kg dry	292	07/26/06	AR	SW 8270C
2,4-Dinitrophenol	<292	ug/kg dry	292	07/26/06	AR	SW 8270C
3,3'-Dichlorobenzidine	<292	ug/kg dry	292	07/26/06	AR	SW 8270C
2,4-Dinitrotoluene	<117	ug/kg dry	117	07/26/06	AR	SW 8270C
2,6-Dinitrotoluene	<117	ug/kg dry	117	07/26/06	AR	SW 8270C



Lab ID Number: 0607074-16

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Di-n-octyl phthalate	<292	ug/kg dry	292	07/26/06	AR	SW 8270C
Bis(2-ethylhexyl)phthalate	1730	ug/kg dry	117	07/26/06	AR	SW 8270C
Fluoranthene	719	ug/kg dry	58.5	07/26/06	AR	SW 8270C
Fluorene	<117	ug/kg dry	117	07/26/06	AR	SW 8270C
Hexachlorobenzene	<117	ug/kg dry	117	07/26/06	AR	SW 8270C
Hexachlorobutadiene	<117	ug/kg dry	117	07/26/06	AR	SW 8270C
Hexachlorocyclopentadiene	<585	ug/kg dry	585	07/26/06	AR	SW 8270C
Hexachloroethane	<117	ug/kg dry	117	07/26/06	AR	SW 8270C
Indeno (1,2,3-cd) pyrene	<117	ug/kg dry	117	07/26/06	AR	SW 8270C
Isophorone	<117	ug/kg dry	117	07/26/06	AR	SW 8270C
2-Methylnaphthalene	<58.5	ug/kg dry	58.5	07/26/06	AR	SW 8270C
2-Methylphenol	<117	ug/kg dry	117	07/26/06	AR	SW 8270C
3 & 4-Methylphenol	<117	ug/kg dry	117	07/26/06	AR	SW 8270C
Naphthalene	<58.5	ug/kg dry	58.5	07/26/06	AR	SW 8270C
2-Nitroaniline	<292	ug/kg dry	292	07/26/06	AR	SW 8270C
4-Nitroaniline	<292	ug/kg dry	292	07/26/06	AR	SW 8270C
3-Nitroaniline	<292	ug/kg dry	292	07/26/06	AR	SW 8270C
Nitrobenzene	<117	ug/kg dry	117	07/26/06	AR	SW 8270C
4-Nitrophenol	<292	ug/kg dry	292	07/26/06	AR	SW 8270C
2-Nitrophenol	<292	ug/kg dry	292	07/26/06	AR	SW 8270C
N-Nitrosodiphenylamine	<117	ug/kg dry	117	07/26/06	AR	SW 8270C
N-Nitrosodi-n-propylamine	<117	ug/kg dry	117	07/26/06	AR	SW 8270C
Pentachlorophenol	<292	ug/kg dry	292	07/26/06	AR	SW 8270C
Phenanthrene	364	ug/kg dry	117	07/26/06	AR	SW 8270C
Phenol	<117	ug/kg dry	117	07/26/06	AR	SW 8270C
Pyrene	606	ug/kg dry	117	07/26/06	AR	SW 8270C
1,2,4-Trichlorobenzene	<58.5	ug/kg dry	58.5	07/26/06	AR	SW 8270C
2,4,5-Trichlorophenol	<117	ug/kg dry	117	07/26/06	AR	SW 8270C
2,4,6-Trichlorophenol	<58.5	ug/kg dry	58.5	07/26/06	AR	SW 8270C



Lab ID Number: 0607074-16

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Extracted 07/24/06 by Soxhlet Extraction for SW 8081.						
alpha-BHC	<0.58	ug/kg dry	0.58	07/27/06	AR	SW 8081
alpha-Chlordane	<0.58	ug/kg dry	0.58	07/27/06	AR	SW 8081
beta-BHC	<0.58	ug/kg dry	0.58	07/27/06	AR	SW 8081
Aldrin	<0.58	ug/kg dry	0.58	07/27/06	AR	SW 8081
gamma-BHC (Lindane)	<0.58	ug/kg dry	0.58	07/27/06	AR	SW 8081
gamma-Chlordane	<0.58	ug/kg dry	0.58	07/27/06	AR	SW 8081
Heptachlor	<0.58	ug/kg dry	0.58	07/27/06	AR	SW 8081
Heptachlor epoxide	<0.58	ug/kg dry	0.58	07/27/06	AR	SW 8081
delta-BHC	<0.58	ug/kg dry	0.58	07/27/06	AR	SW 8081
Endosulfan I	<2.92	ug/kg dry	2.92	07/27/06	AR	SW 8081
Endosulfan II	<2.92	ug/kg dry	2.92	07/27/06	AR	SW 8081
Endosulfan sulfate	<2.92	ug/kg dry	2.92	07/27/06	AR	SW 8081
Endrin	<2.92	ug/kg dry	2.92	07/27/06	AR	SW 8081
Endrin aldehyde	<2.92	ug/kg dry	2.92	07/27/06	AR	SW 8081
Endrin ketone	<2.92	ug/kg dry	2.92	07/27/06	AR	SW 8081
4,4'-DDD	<2.92	ug/kg dry	2.92	07/27/06	AR	SW 8081
4,4'-DDE	<2.92	ug/kg dry	2.92	07/27/06	AR	SW 8081
4,4'-DDT	<2.92	ug/kg dry	2.92	07/27/06	AR	SW 8081
Methoxychlor	<5.85	ug/kg dry	5.85	07/27/06	AR	SW 8081
Dieldrin	<2.92	ug/kg dry	2.92	07/27/06	AR	SW 8081
Chlordane (technical)	<5.85	ug/kg dry	5.85	07/27/06	AR	SW 8081
Toxaphene	<5.85	ug/kg dry	5.85	07/27/06	AR	SW 8081

Extracted 07/24/06 by Soxhlet Extraction for SW 8082.

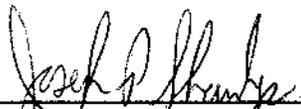
Aroclor 1016	<23.4	ug/kg dry	23.4	07/27/06	AR	SW 8082
Aroclor 1221	<23.4	ug/kg dry	23.4	07/27/06	AR	SW 8082
Aroclor 1232	<23.4	ug/kg dry	23.4	07/27/06	AR	SW 8082
Aroclor 1242	<23.4	ug/kg dry	23.4	07/27/06	AR	SW 8082
Aroclor 1248	<23.4	ug/kg dry	23.4	07/27/06	AR	SW 8082
Aroclor 1254	<23.4	ug/kg dry	23.4	07/27/06	AR	SW 8082
Aroclor 1260	<23.4	ug/kg dry	23.4	07/27/06	AR	SW 8082

References

- EPA - 40 Code of Federal Regulations, Part 136, October 26, 1984.
SW - SW 846 3rd Edition.
SM - Standard Methods for the Examination of Water and Wastewater, 18th edition.
LT - Lachat Method Manual, "Methods List for Automated Ion Analyzers", February 2004

New York State ELAP Laboratory ID #10950/EPA Laboratory ID #NY01292/New Jersey DEP Laboratory ID #NY006

Laboratory Director:



Joseph P. Shaulys



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July 28, 2006

Hydro Tech Environmental
 1111 Fulton Street
 Brooklyn, NY 11238

Att: Eva Jakubowska

Sample Description: Soil - 264 North 10th Street Project/ Brooklyn, B-9, 0-2' - 07/17/06
 Sample Collected By: Hydro Tech Environmental
 Purchase Order: Verbal
 Date Samples Received: 7/20/06
 Work Order Number: 0607074
 Lab ID Number: 0607074-17

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Aluminum	8940	mg/kg dry	18.2	07/25/06	DW	SW 6010B
Antimony	2.13	mg/kg dry	0.546	07/25/06	DW	SW 6010B
Arsenic	8.38	mg/kg dry	0.304	07/25/06	DW	SW 6010B
Barium	146	mg/kg dry	0.061	07/25/06	DW	SW 6010B
Beryllium	0.328	mg/kg dry	0.061	07/25/06	DW	SW 6010B
Cadmium	2.39	mg/kg dry	0.061	07/25/06	DW	SW 6010B
Calcium	30900	mg/kg dry	45.5	07/25/06	DW	SW 6010B
Chromium	23.1	mg/kg dry	0.061	07/25/06	DW	SW 6010B
Cobalt	11.0	mg/kg dry	0.061	07/25/06	DW	SW 6010B
Copper	81.6	mg/kg dry	0.061	07/25/06	DW	SW 6010B
Iron	19000	mg/kg dry	7.59	07/25/06	DW	SW 6010B
Lead	376	mg/kg dry	0.182	07/25/06	DW	SW 6010B
Manganese	260	mg/kg dry	0.061	07/25/06	DW	SW 6010B
Magnesium	4020	mg/kg dry	10.6	07/25/06	DW	SW 6010B
Mercury	0.504	mg/kg dry	0.001	07/26/06	DW	SW 7471A
Nickel	17.2	mg/kg dry	0.121	07/25/06	DW	SW 6010B
Potassium	1830	mg/kg dry	15.2	07/25/06	DW	SW 6010B
Selenium	<0.607	mg/kg dry	0.607	07/25/06	DW	SW 6010B
Silver	<0.121	mg/kg dry	0.121	07/25/06	DW	SW 6010B
Sodium	210	mg/kg dry	0.607	07/25/06	DW	SW 6010B
Thallium	<0.304	mg/kg dry	0.304	07/25/06	DW	SW 6010B
Vanadium	24.3	mg/kg dry	0.121	07/25/06	DW	SW 6010B
Zinc	189	mg/kg dry	0.121	07/25/06	DW	SW6010B
Acetone	<11.0	ug/kg dry	11.0	07/22/06	VNS	SW 8260B



Lab ID Number: 0607074-17

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Benzene	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
Bromodichloromethane	<5.52	ug/kg dry	5.52	07/22/06	VNS	SW 8260B
Bromoform	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
Bromomethane	<2.21	ug/kg dry	2.21	07/22/06	VNS	SW 8260B
Carbon disulfide	<5.52	ug/kg dry	5.52	07/22/06	VNS	SW 8260B
Carbon Tetrachloride	<2.21	ug/kg dry	2.21	07/22/06	VNS	SW 8260B
Chlorobenzene	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
Chloroethane	<2.21	ug/kg dry	2.21	07/22/06	VNS	SW 8260B
Chloroform	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
Chloromethane	<2.21	ug/kg dry	2.21	07/22/06	VNS	SW 8260B
Dibromochloromethane	<5.52	ug/kg dry	5.52	07/22/06	VNS	SW 8260B
1,3-Dichlorobenzene	<2.21	ug/kg dry	2.21	07/22/06	VNS	SW 8260B
1,2-Dichlorobenzene	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
1,4-Dichlorobenzene	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
1,2-Dichloroethane	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
1,1-Dichloroethane	<2.21	ug/kg dry	2.21	07/22/06	VNS	SW 8260B
trans-1,2-Dichloroethene	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
cis-1,2-Dichloroethene	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
1,1-Dichloroethene	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
1,2-Dichloropropane	<2.21	ug/kg dry	2.21	07/22/06	VNS	SW 8260B
cis-1,3-Dichloropropene	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
trans-1,3-Dichloropropene	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
Ethylbenzene	<2.21	ug/kg dry	2.21	07/22/06	VNS	SW 8260B
Hexachlorobutadiene	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
2-Hexanone	<5.52	ug/kg dry	5.52	07/22/06	VNS	SW 8260B
Methylene Chloride	<11.0	ug/kg dry	11.0	07/22/06	VNS	SW 8260B
Methyl Ethyl Ketone	<2.21	ug/kg dry	2.21	07/22/06	VNS	SW 8260B
Methyl Isobutyl Ketone	<5.52	ug/kg dry	5.52	07/22/06	VNS	SW 8260B
Naphthalene	<2.21	ug/kg dry	2.21	07/22/06	VNS	SW 8260B
Styrene	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
1,1,2,2-Tetrachloroethane	<2.21	ug/kg dry	2.21	07/22/06	VNS	SW 8260B
Tetrachloroethene	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
Toluene	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
1,2,4-Trichlorobenzene	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
1,1,2-Trichloroethane	<2.21	ug/kg dry	2.21	07/22/06	VNS	SW 8260B
1,1,1-Trichloroethane	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
Trichloroethene	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
Vinyl acetate	<5.52	ug/kg dry	5.52	07/22/06	VNS	SW 8260B
Vinyl chloride	<5.52	ug/kg dry	5.52	07/22/06	VNS	SW 8260B



Lab ID Number: 0607074-17

Analyte	Results	Units	RL	Analyzed	By	Method
m,p-Xylene	<2.21	ug/kg dry	2.21	07/22/06	VNS	SW 8260B
o-Xylene	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B

Extracted 07/24/06 by Soxhlet Extraction for SW 8270C.

Acenaphthene	192	ug/kg dry	55.2	07/26/06	AR	SW 8270C
Acenaphthylene	196	ug/kg dry	55.2	07/26/06	AR	SW 8270C
Anthracene	561	ug/kg dry	110	07/26/06	AR	SW 8270C
Benzo (a) anthracene	1780	ug/kg dry	55.2	07/26/06	AR	SW 8270C
Benzo (a) pyrene	1850	ug/kg dry	55.2	07/26/06	AR	SW 8270C
Benzo (b) fluoranthene	1860	ug/kg dry	276	07/26/06	AR	SW 8270C
Benzo (g,h,i) perylene	1400	ug/kg dry	55.2	07/26/06	AR	SW 8270C
Benzo (k) fluoranthene	1580	ug/kg dry	110	07/26/06	AR	SW 8270C
4-Bromophenyl phenyl ether	<55.2	ug/kg dry	55.2	07/26/06	AR	SW 8270C
Butyl benzyl phthalate	<276	ug/kg dry	276	07/26/06	AR	SW 8270C
4-Chloro-3-methylphenol	<110	ug/kg dry	110	07/26/06	AR	SW 8270C
4-Chloroaniline	<276	ug/kg dry	276	07/26/06	AR	SW 8270C
Bis(2-chloroethoxy)methane	<110	ug/kg dry	110	07/26/06	AR	SW 8270C
Bis(2-chloroethyl)ether	<110	ug/kg dry	110	07/26/06	AR	SW 8270C
Bis(2-chloroisopropyl)ether	<110	ug/kg dry	110	07/26/06	AR	SW 8270C
2-Chloronaphthalene	<55.2	ug/kg dry	55.2	07/26/06	AR	SW 8270C
2-Chlorophenol	<110	ug/kg dry	110	07/26/06	AR	SW 8270C
4-Chlorophenyl phenyl ether	<110	ug/kg dry	110	07/26/06	AR	SW 8270C
Chrysene	1830	ug/kg dry	110	07/26/06	AR	SW 8270C
Dibenz (a,h) anthracene	<110	ug/kg dry	110	07/26/06	AR	SW 8270C
Dibenzofuran	<276	ug/kg dry	276	07/26/06	AR	SW 8270C
Di-n-butyl phthalate	<110	ug/kg dry	110	07/26/06	AR	SW 8270C
1,4-Dichlorobenzene	<110	ug/kg dry	110	07/26/06	AR	SW 8270C
1,2-Dichlorobenzene	<55.2	ug/kg dry	55.2	07/26/06	AR	SW 8270C
1,3-Dichlorobenzene	<110	ug/kg dry	110	07/26/06	AR	SW 8270C
2,4-Dichlorophenol	<110	ug/kg dry	110	07/26/06	AR	SW 8270C
Diethyl phthalate	<110	ug/kg dry	110	07/26/06	AR	SW 8270C
2,4-Dimethylphenol	<55.2	ug/kg dry	55.2	07/26/06	AR	SW 8270C
Dimethyl phthalate	<55.2	ug/kg dry	55.2	07/26/06	AR	SW 8270C
4,6-Dinitro-2-methylphenol	<276	ug/kg dry	276	07/26/06	AR	SW 8270C
3,3'-Dichlorobenzidine	<276	ug/kg dry	276	07/26/06	AR	SW 8270C
2,4-Dinitrophenol	<276	ug/kg dry	276	07/26/06	AR	SW 8270C
2,4-Dinitrotoluene	<110	ug/kg dry	110	07/26/06	AR	SW 8270C
2,6-Dinitrotoluene	<110	ug/kg dry	110	07/26/06	AR	SW 8270C



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July 28, 2006

Hydro Tech Environmental
 1111 Fulton Street
 Brooklyn, NY 11238

Att: Eva Jakubowska

Sample Description: Soil - 264 North 10th Street Project/ Brooklyn, B-12, 0-2' - 07/17/06
 Sample Collected By: Hydro Tech Environmental
 Purchase Order: Verbal
 Date Samples Received: 7/20/06
 Work Order Number: 0607074
 Lab ID Number: 0607074-23

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Aluminum	8790	mg/kg dry	16.5	07/26/06	DW	SW 6010B
Antimony	5.15	mg/kg dry	0.494	07/26/06	DW	SW 6010B
Arsenic	27.4	mg/kg dry	0.274	07/26/06	DW	SW 6010B
Barium	403	mg/kg dry	1.37	07/26/06	DW	SW 6010B
Beryllium	0.455	mg/kg dry	0.055	07/26/06	DW	SW 6010B
Cadmium	4.40	mg/kg dry	0.055	07/26/06	DW	SW 6010B
Calcium	32900	mg/kg dry	41.2	07/26/06	DW	SW 6010B
Chromium	26.2	mg/kg dry	0.055	07/26/06	DW	SW 6010B
Cobalt	10.5	mg/kg dry	0.055	07/26/06	DW	SW 6010B
Copper	307	mg/kg dry	0.055	07/26/06	DW	SW 6010B
Iron	30800	mg/kg dry	6.86	07/26/06	DW	SW 6010B
Lead	867	mg/kg dry	4.12	07/26/06	DW	SW 6010B
Magnesium	4050	mg/kg dry	9.60	07/26/06	DW	SW 6010B
Manganese	283	mg/kg dry	0.055	07/26/06	DW	SW 6010B
Mercury	1.84	mg/kg dry	0.005	07/26/06	DW	SW 7471A
Nickel	42.2	mg/kg dry	0.110	07/26/06	DW	SW 6010B
Potassium	1420	mg/kg dry	13.7	07/26/06	DW	SW 6010B
Selenium	0.865	mg/kg dry	0.549	07/26/06	DW	SW 6010B
Silver	<0.110	mg/kg dry	0.110	07/26/06	DW	SW 6010B
Sodium	197	mg/kg dry	0.549	07/26/06	DW	SW 6010B
Thallium	<0.274	mg/kg dry	0.274	07/26/06	DW	SW 6010B
Vanadium	24.8	mg/kg dry	0.110	07/26/06	DW	SW 6010B
Zinc	471	mg/kg dry	0.110	07/26/06	DW	SW6010B
Acetone	<11.0	ug/kg dry	11.0	07/22/06	VNS	SW 8260B



Lab ID Number: 0607074-23

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Benzene	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
Bromodichloromethane	<5.49	ug/kg dry	5.49	07/22/06	VNS	SW 8260B
Bromoform	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
Bromomethane	<2.20	ug/kg dry	2.20	07/22/06	VNS	SW 8260B
Carbon disulfide	<5.49	ug/kg dry	5.49	07/22/06	VNS	SW 8260B
Carbon Tetrachloride	<2.20	ug/kg dry	2.20	07/22/06	VNS	SW 8260B
Chlorobenzene	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
Chloroethane	<2.20	ug/kg dry	2.20	07/22/06	VNS	SW 8260B
Chloroform	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
Chloromethane	<2.20	ug/kg dry	2.20	07/22/06	VNS	SW 8260B
Dibromochloromethane	<5.49	ug/kg dry	5.49	07/22/06	VNS	SW 8260B
1,3-Dichlorobenzene	<2.20	ug/kg dry	2.20	07/22/06	VNS	SW 8260B
1,2-Dichlorobenzene	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
1,4-Dichlorobenzene	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
1,2-Dichloroethane	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
1,1-Dichloroethane	<2.20	ug/kg dry	2.20	07/22/06	VNS	SW 8260B
trans-1,2-Dichloroethene	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
cis-1,2-Dichloroethene	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
1,1-Dichloroethene	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
1,2-Dichloropropane	<2.20	ug/kg dry	2.20	07/22/06	VNS	SW 8260B
cis-1,3-Dichloropropene	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
trans-1,3-Dichloropropene	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
Ethylbenzene	<2.20	ug/kg dry	2.20	07/22/06	VNS	SW 8260B
Hexachlorobutadiene	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
2-Hexanone	<5.49	ug/kg dry	5.49	07/22/06	VNS	SW 8260B
Methylene Chloride	<11.0	ug/kg dry	11.0	07/22/06	VNS	SW 8260B
Methyl Ethyl Ketone	<2.20	ug/kg dry	2.20	07/22/06	VNS	SW 8260B
Methyl Isobutyl Ketone	<5.49	ug/kg dry	5.49	07/22/06	VNS	SW 8260B
Naphthalene	<2.20	ug/kg dry	2.20	07/22/06	VNS	SW 8260B
Styrene	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
1,1,2,2-Tetrachloroethane	<2.20	ug/kg dry	2.20	07/22/06	VNS	SW 8260B
Tetrachloroethene	1.30	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
Toluene	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
1,2,4-Trichlorobenzene	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
1,1,2-Trichloroethane	<2.20	ug/kg dry	2.20	07/22/06	VNS	SW 8260B
1,1,1-Trichloroethane	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
Trichloroethene	30.4	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
Vinyl acetate	<5.49	ug/kg dry	5.49	07/22/06	VNS	SW 8260B
Vinyl chloride	<5.49	ug/kg dry	5.49	07/22/06	VNS	SW 8260B



Lab ID Number: 0607074-23

Analyte	Results	Units	RL	Analyzed	By	Method
m,p-Xylene	<2.20	ug/kg dry	2.20	07/22/06	VNS	SW 8260B
o-Xylene	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B

Extracted 07/24/06 by Soxhlet Extraction for SW 8270C.

Acenaphthene	375	ug/kg dry	54.9	07/26/06	AR	SW 8270C
Acenaphthylene	328	ug/kg dry	54.9	07/26/06	AR	SW 8270C
Anthracene	1170	ug/kg dry	110	07/26/06	AR	SW 8270C
Benzo (a) anthracene	3940	ug/kg dry	54.9	07/26/06	AR	SW 8270C
Benzo (a) pyrene	4070	ug/kg dry	54.9	07/26/06	AR	SW 8270C
Benzo (b) fluoranthene	4130	ug/kg dry	274	07/26/06	AR	SW 8270C
Benzo (g,h,i) perylene	1130	ug/kg dry	54.9	07/26/06	AR	SW 8270C
Benzo (k) fluoranthene	3680	ug/kg dry	110	07/26/06	AR	SW 8270C
4-Bromophenyl phenyl ether	<54.9	ug/kg dry	54.9	07/26/06	AR	SW 8270C
Butyl benzyl phthalate	<274	ug/kg dry	274	07/26/06	AR	SW 8270C
4-Chloro-3-methylphenol	<110	ug/kg dry	110	07/26/06	AR	SW 8270C
4-Chloroaniline	<274	ug/kg dry	274	07/26/06	AR	SW 8270C
Bis(2-chloroethoxy)methane	<110	ug/kg dry	110	07/26/06	AR	SW 8270C
Bis(2-chloroethyl)ether	<110	ug/kg dry	110	07/26/06	AR	SW 8270C
Bis(2-chloroisopropyl)ether	<110	ug/kg dry	110	07/26/06	AR	SW 8270C
2-Chloronaphthalene	<54.9	ug/kg dry	54.9	07/26/06	AR	SW 8270C
2-Chlorophenol	<110	ug/kg dry	110	07/26/06	AR	SW 8270C
4-Chlorophenyl phenyl ether	<110	ug/kg dry	110	07/26/06	AR	SW 8270C
Chrysene	3880	ug/kg dry	110	07/26/06	AR	SW 8270C
Dibenz (a,h) anthracene	<110	ug/kg dry	110	07/26/06	AR	SW 8270C
Dibenzofuran	<274	ug/kg dry	274	07/26/06	AR	SW 8270C
Di-n-butyl phthalate	615	ug/kg dry	110	07/26/06	AR	SW 8270C
1,4-Dichlorobenzene	<110	ug/kg dry	110	07/26/06	AR	SW 8270C
1,2-Dichlorobenzene	<54.9	ug/kg dry	54.9	07/26/06	AR	SW 8270C
1,3-Dichlorobenzene	<110	ug/kg dry	110	07/26/06	AR	SW 8270C
2,4-Dichlorophenol	<110	ug/kg dry	110	07/26/06	AR	SW 8270C
Diethyl phthalate	<110	ug/kg dry	110	07/26/06	AR	SW 8270C
2,4-Dimethylphenol	<549	ug/kg dry	549	07/26/06	AR	SW 8270C
Dimethyl phthalate	<54.9	ug/kg dry	54.9	07/26/06	AR	SW 8270C
4,6-Dinitro-2-methylphenol	<274	ug/kg dry	274	07/26/06	AR	SW 8270C
2,4-Dinitrophenol	<274	ug/kg dry	274	07/26/06	AR	SW 8270C
3,3'-Dichlorobenzidine	<274	ug/kg dry	274	07/26/06	AR	SW 8270C
2,4-Dinitrotoluene	<110	ug/kg dry	110	07/26/06	AR	SW 8270C
2,6-Dinitrotoluene	<110	ug/kg dry	110	07/26/06	AR	SW 8270C



Lab ID Number: 0607074-23

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Di-n-octyl phthalate	<274	ug/kg dry	274	07/26/06	AR	SW 8270C
Bis(2-ethylhexyl)phthalate	413	ug/kg dry	110	07/26/06	AR	SW 8270C
Fluoranthene	8500	ug/kg dry	54.9	07/26/06	AR	SW 8270C
Fluorene	374	ug/kg dry	110	07/26/06	AR	SW 8270C
Hexachlorobenzene	<110	ug/kg dry	110	07/26/06	AR	SW 8270C
Hexachlorobutadiene	<110	ug/kg dry	110	07/26/06	AR	SW 8270C
Hexachlorocyclopentadiene	<549	ug/kg dry	549	07/26/06	AR	SW 8270C
Hexachloroethane	<110	ug/kg dry	110	07/26/06	AR	SW 8270C
Indeno (1,2,3-cd) pyrene	471	ug/kg dry	110	07/26/06	AR	SW 8270C
Isophorone	<110	ug/kg dry	110	07/26/06	AR	SW 8270C
2-Methylnaphthalene	111	ug/kg dry	54.9	07/26/06	AR	SW 8270C
2-Methylphenol	<110	ug/kg dry	110	07/26/06	AR	SW 8270C
3 & 4-Methylphenol	<110	ug/kg dry	110	07/26/06	AR	SW 8270C
Naphthalene	<54.9	ug/kg dry	54.9	07/26/06	AR	SW 8270C
2-Nitroaniline	<274	ug/kg dry	274	07/26/06	AR	SW 8270C
4-Nitroaniline	<274	ug/kg dry	274	07/26/06	AR	SW 8270C
3-Nitroaniline	<274	ug/kg dry	274	07/26/06	AR	SW 8270C
Nitrobenzene	<110	ug/kg dry	110	07/26/06	AR	SW 8270C
4-Nitrophenol	<274	ug/kg dry	274	07/26/06	AR	SW 8270C
2-Nitrophenol	<274	ug/kg dry	274	07/26/06	AR	SW 8270C
N-Nitrosodiphenylamine	<110	ug/kg dry	110	07/26/06	AR	SW 8270C
N-Nitrosodi-n-propylamine	<110	ug/kg dry	110	07/26/06	AR	SW 8270C
Pentachlorophenol	<274	ug/kg dry	274	07/26/06	AR	SW 8270C
Phenanthrene	4780	ug/kg dry	110	07/26/06	AR	SW 8270C
Phenol	<110	ug/kg dry	110	07/26/06	AR	SW 8270C
Pyrene	7010	ug/kg dry	110	07/26/06	AR	SW 8270C
1,2,4-Trichlorobenzene	<54.9	ug/kg dry	54.9	07/26/06	AR	SW 8270C
2,4,5-Trichlorophenol	<110	ug/kg dry	110	07/26/06	AR	SW 8270C
2,4,6-Trichlorophenol	<54.9	ug/kg dry	54.9	07/26/06	AR	SW 8270C



Lab ID Number: 0607074-23

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Extracted 07/24/06 by Soxhlet Extraction for SW 8081.						
alpha-BHC	<0.55	ug/kg dry	0.55	07/27/06	AR	SW 8081
alpha-Chlordane	<0.55	ug/kg dry	0.55	07/27/06	AR	SW 8081
beta-BHC	<0.55	ug/kg dry	0.55	07/27/06	AR	SW 8081
Aldrin	<0.55	ug/kg dry	0.55	07/27/06	AR	SW 8081
gamma-BHC (Lindane)	<0.55	ug/kg dry	0.55	07/27/06	AR	SW 8081
gamma-Chlordane	<0.55	ug/kg dry	0.55	07/27/06	AR	SW 8081
Heptachlor	<0.55	ug/kg dry	0.55	07/27/06	AR	SW 8081
Heptachlor epoxide	<0.55	ug/kg dry	0.55	07/27/06	AR	SW 8081
delta-BHC	<0.55	ug/kg dry	0.55	07/27/06	AR	SW 8081
Endosulfan I	<2.74	ug/kg dry	2.74	07/27/06	AR	SW 8081
Endosulfan II	<2.74	ug/kg dry	2.74	07/27/06	AR	SW 8081
Endosulfan sulfate	<2.74	ug/kg dry	2.74	07/27/06	AR	SW 8081
Endrin	<2.74	ug/kg dry	2.74	07/27/06	AR	SW 8081
Endrin aldehyde	<2.74	ug/kg dry	2.74	07/27/06	AR	SW 8081
Endrin ketone	<2.74	ug/kg dry	2.74	07/27/06	AR	SW 8081
4,4'-DDD	<2.74	ug/kg dry	2.74	07/27/06	AR	SW 8081
4,4'-DDE	<2.74	ug/kg dry	2.74	07/27/06	AR	SW 8081
4,4'-DDT	<2.74	ug/kg dry	2.74	07/27/06	AR	SW 8081
Methoxychlor	<5.49	ug/kg dry	5.49	07/27/06	AR	SW 8081
Dieldrin	<2.74	ug/kg dry	2.74	07/27/06	AR	SW 8081
Chlordane (technical)	<5.49	ug/kg dry	5.49	07/27/06	AR	SW 8081
Toxaphene	<5.49	ug/kg dry	5.49	07/27/06	AR	SW 8081

Extracted 07/24/06 by Soxhlet Extraction for SW 8082.

Aroclor 1016	<22.0	ug/kg dry	22.0	07/27/06	AR	SW 8082
Aroclor 1221	<22.0	ug/kg dry	22.0	07/27/06	AR	SW 8082
Aroclor 1232	<22.0	ug/kg dry	22.0	07/27/06	AR	SW 8082
Aroclor 1242	<22.0	ug/kg dry	22.0	07/27/06	AR	SW 8082
Aroclor 1248	<22.0	ug/kg dry	22.0	07/27/06	AR	SW 8082
Aroclor 1254	<22.0	ug/kg dry	22.0	07/27/06	AR	SW 8082
Aroclor 1260	<22.0	ug/kg dry	22.0	07/27/06	AR	SW 8082

References

EPA - 40 Code of Federal Regulations, Part 136, October 26, 1984.

SW - SW 846 3rd Edition.

SM - Standard Methods for the Examination of Water and Wastewater, 18th edition.

LT - Lachat Method Manual, "Methods List for Automated Ion Analyzers", February 2004

New York State ELAP Laboratory ID #10950/EPA Laboratory ID #NY01292/New Jersey DEP Laboratory ID #NY006

Laboratory Director:



Joseph P. Shaulys



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July 28, 2006

Hydro Tech Environmental
 1111 Fulton Street
 Brooklyn, NY 11238

Att: Eva Jakubowska

Sample Description: Soil - 264 North 10th Street Project/ Brooklyn, B-12, 8-10' - 07/17/06
 Sample Collected By: Hydro Tech Environmental
 Purchase Order: Verbal
 Date Samples Received: 7/20/06
 Work Order Number: 0607074
 Lab ID Number: 0607074-24

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Aluminum	6950	mg/kg dry	16.5	07/26/06	DW	SW 6010B
Antimony	3.34	mg/kg dry	0.494	07/26/06	DW	SW 6010B
Arsenic	97.9	mg/kg dry	0.274	07/26/06	DW	SW 6010B
Barium	80.4	mg/kg dry	0.055	07/26/06	DW	SW 6010B
Beryllium	0.210	mg/kg dry	0.055	07/26/06	DW	SW 6010B
Cadmium	2.87	mg/kg dry	0.055	07/26/06	DW	SW 6010B
Calcium	1870	mg/kg dry	41.2	07/26/06	DW	SW 6010B
Chromium	22.8	mg/kg dry	0.055	07/26/06	DW	SW 6010B
Cobalt	5.35	mg/kg dry	0.055	07/26/06	DW	SW 6010B
Copper	38.8	mg/kg dry	0.055	07/26/06	DW	SW 6010B
Iron	33200	mg/kg dry	6.86	07/26/06	DW	SW 6010B
Lead	174	mg/kg dry	0.165	07/26/06	DW	SW 6010B
Magnesium	2130	mg/kg dry	9.60	07/26/06	DW	SW 6010B
Manganese	611	mg/kg dry	1.37	07/26/06	DW	SW 6010B
Mercury	1.78	mg/kg dry	0.005	07/26/06	DW	SW 7471A
Nickel	8.86	mg/kg dry	0.110	07/26/06	DW	SW 6010B
Potassium	1170	mg/kg dry	13.7	07/26/06	DW	SW 6010B
Selenium	<0.549	mg/kg dry	0.549	07/26/06	DW	SW 6010B
Silver	<0.110	mg/kg dry	0.110	07/26/06	DW	SW 6010B
Sodium	66.6	mg/kg dry	0.549	07/26/06	DW	SW 6010B
Thallium	<0.274	mg/kg dry	0.274	07/26/06	DW	SW 6010B
Vanadium	29.3	mg/kg dry	0.110	07/26/06	DW	SW 6010B
Zinc	55.1	mg/kg dry	0.110	07/26/06	DW	SW6010B
Acetone	66.0	ug/kg dry	11.0	07/22/06	VNS	SW 8260B



Lab ID Number: 0607074-24

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Benzene	2.60	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
Bromodichloromethane	<5.49	ug/kg dry	5.49	07/22/06	VNS	SW 8260B
Bromoform	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
Bromomethane	<2.20	ug/kg dry	2.20	07/22/06	VNS	SW 8260B
Carbon disulfide	9.19	ug/kg dry	5.49	07/22/06	VNS	SW 8260B
Carbon Tetrachloride	<2.20	ug/kg dry	2.20	07/22/06	VNS	SW 8260B
Chlorobenzene	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
Chloroethane	<2.20	ug/kg dry	2.20	07/22/06	VNS	SW 8260B
Chloroform	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
Chloromethane	<2.20	ug/kg dry	2.20	07/22/06	VNS	SW 8260B
Dibromochloromethane	<5.49	ug/kg dry	5.49	07/22/06	VNS	SW 8260B
1,3-Dichlorobenzene	<2.20	ug/kg dry	2.20	07/22/06	VNS	SW 8260B
1,2-Dichlorobenzene	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
1,4-Dichlorobenzene	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
1,2-Dichloroethane	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
1,1-Dichloroethane	<2.20	ug/kg dry	2.20	07/22/06	VNS	SW 8260B
trans-1,2-Dichloroethene	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
cis-1,2-Dichloroethene	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
1,1-Dichloroethene	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
1,2-Dichloropropane	<2.20	ug/kg dry	2.20	07/22/06	VNS	SW 8260B
cis-1,3-Dichloropropene	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
trans-1,3-Dichloropropene	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
Ethylbenzene	<2.20	ug/kg dry	2.20	07/22/06	VNS	SW 8260B
Hexachlorobutadiene	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
2-Hexanone	<5.49	ug/kg dry	5.49	07/22/06	VNS	SW 8260B
Methylene Chloride	<11.0	ug/kg dry	11.0	07/22/06	VNS	SW 8260B
Methyl Ethyl Ketone	12.8	ug/kg dry	2.20	07/22/06	VNS	SW 8260B
Methyl Isobutyl Ketone	<5.49	ug/kg dry	5.49	07/22/06	VNS	SW 8260B
Naphthalene	<2.20	ug/kg dry	2.20	07/22/06	VNS	SW 8260B
Styrene	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
1,1,2,2-Tetrachloroethane	<2.20	ug/kg dry	2.20	07/22/06	VNS	SW 8260B
Tetrachloroethene	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
Toluene	1.86	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
1,2,4-Trichlorobenzene	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
1,1,2-Trichloroethane	<2.20	ug/kg dry	2.20	07/22/06	VNS	SW 8260B
1,1,1-Trichloroethane	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
Trichloroethene	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
Vinyl acetate	<5.49	ug/kg dry	5.49	07/22/06	VNS	SW 8260B
Vinyl chloride	<5.49	ug/kg dry	5.49	07/22/06	VNS	SW 8260B



Lab ID Number: 0607074-24

Analyte	Results	Units	RL	Analyzed	By	Method
m,p-Xylene	<2.20	ug/kg dry	2.20	07/22/06	VNS	SW 8260B
o-Xylene	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B

Extracted 07/24/06 by Soxhlet Extraction for SW 8270C.

Acenaphthene	<54.9	ug/kg dry	54.9	07/26/06	AR	SW 8270C
Acenaphthylene	<54.9	ug/kg dry	54.9	07/26/06	AR	SW 8270C
Anthracene	<110	ug/kg dry	110	07/26/06	AR	SW 8270C
Benzo (a) anthracene	301	ug/kg dry	54.9	07/26/06	AR	SW 8270C
Benzo (a) pyrene	344	ug/kg dry	54.9	07/26/06	AR	SW 8270C
Benzo (b) fluoranthene	425	ug/kg dry	274	07/26/06	AR	SW 8270C
Benzo (g,h,i) perylene	290	ug/kg dry	54.9	07/26/06	AR	SW 8270C
Benzo (k) fluoranthene	347	ug/kg dry	110	07/26/06	AR	SW 8270C
4-Bromophenyl phenyl ether	<54.9	ug/kg dry	54.9	07/26/06	AR	SW 8270C
Butyl benzyl phthalate	<274	ug/kg dry	274	07/26/06	AR	SW 8270C
4-Chloro-3-methylphenol	<110	ug/kg dry	110	07/26/06	AR	SW 8270C
4-Chloroaniline	<274	ug/kg dry	274	07/26/06	AR	SW 8270C
Bis(2-chloroethoxy)methane	<110	ug/kg dry	110	07/26/06	AR	SW 8270C
Bis(2-chloroethyl)ether	<110	ug/kg dry	110	07/26/06	AR	SW 8270C
Bis(2-chloroisopropyl)ether	<110	ug/kg dry	110	07/26/06	AR	SW 8270C
2-Chloronaphthalene	<54.9	ug/kg dry	54.9	07/26/06	AR	SW 8270C
2-Chlorophenol	<110	ug/kg dry	110	07/26/06	AR	SW 8270C
4-Chlorophenyl phenyl ether	<110	ug/kg dry	110	07/26/06	AR	SW 8270C
Chrysene	350	ug/kg dry	110	07/26/06	AR	SW 8270C
Dibenz (a,h) anthracene	<110	ug/kg dry	110	07/26/06	AR	SW 8270C
Dibenzofuran	<274	ug/kg dry	274	07/26/06	AR	SW 8270C
Di-n-butyl phthalate	<110	ug/kg dry	110	07/26/06	AR	SW 8270C
1,4-Dichlorobenzene	<110	ug/kg dry	110	07/26/06	AR	SW 8270C
1,2-Dichlorobenzene	<54.9	ug/kg dry	54.9	07/26/06	AR	SW 8270C
1,3-Dichlorobenzene	<110	ug/kg dry	110	07/26/06	AR	SW 8270C
2,4-Dichlorophenol	<110	ug/kg dry	110	07/26/06	AR	SW 8270C
Diethyl phthalate	<110	ug/kg dry	110	07/26/06	AR	SW 8270C
2,4-Dimethylphenol	<549	ug/kg dry	549	07/26/06	AR	SW 8270C
Dimethyl phthalate	<54.9	ug/kg dry	54.9	07/26/06	AR	SW 8270C
4,6-Dinitro-2-methylphenol	<274	ug/kg dry	274	07/26/06	AR	SW 8270C
3,3'-Dichlorobenzidine	<274	ug/kg dry	274	07/26/06	AR	SW 8270C
2,4-Dinitrophenol	<274	ug/kg dry	274	07/26/06	AR	SW 8270C
2,4-Dinitrotoluene	<110	ug/kg dry	110	07/26/06	AR	SW 8270C
2,6-Dinitrotoluene	<110	ug/kg dry	110	07/26/06	AR	SW 8270C



Lab ID Number: 0607074-24

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Di-n-octyl phthalate	<274	ug/kg dry	274	07/26/06	AR	SW 8270C
Bis(2-ethylhexyl)phthalate	196	ug/kg dry	110	07/26/06	AR	SW 8270C
Fluoranthene	535	ug/kg dry	54.9	07/26/06	AR	SW 8270C
Fluorene	<110	ug/kg dry	110	07/26/06	AR	SW 8270C
Hexachlorobenzene	<110	ug/kg dry	110	07/26/06	AR	SW 8270C
Hexachlorobutadiene	<110	ug/kg dry	110	07/26/06	AR	SW 8270C
Hexachlorocyclopentadiene	<549	ug/kg dry	549	07/26/06	AR	SW 8270C
Hexachloroethane	<110	ug/kg dry	110	07/26/06	AR	SW 8270C
Indeno (1,2,3-cd) pyrene	143	ug/kg dry	110	07/26/06	AR	SW 8270C
Isophorone	<110	ug/kg dry	110	07/26/06	AR	SW 8270C
2-Methylnaphthalene	<54.9	ug/kg dry	54.9	07/26/06	AR	SW 8270C
2-Methylphenol	<110	ug/kg dry	110	07/26/06	AR	SW 8270C
3 & 4-Methylphenol	<110	ug/kg dry	110	07/26/06	AR	SW 8270C
Naphthalene	<54.9	ug/kg dry	54.9	07/26/06	AR	SW 8270C
2-Nitroaniline	<274	ug/kg dry	274	07/26/06	AR	SW 8270C
4-Nitroaniline	<274	ug/kg dry	274	07/26/06	AR	SW 8270C
3-Nitroaniline	<274	ug/kg dry	274	07/26/06	AR	SW 8270C
Nitrobenzene	<110	ug/kg dry	110	07/26/06	AR	SW 8270C
4-Nitrophenol	<274	ug/kg dry	274	07/26/06	AR	SW 8270C
2-Nitrophenol	<274	ug/kg dry	274	07/26/06	AR	SW 8270C
N-Nitrosodiphenylamine	<110	ug/kg dry	110	07/26/06	AR	SW 8270C
N-Nitrosodi-n-propylamine	<110	ug/kg dry	110	07/26/06	AR	SW 8270C
Pentachlorophenol	<274	ug/kg dry	274	07/26/06	AR	SW 8270C
Phenanthrene	187	ug/kg dry	110	07/26/06	AR	SW 8270C
Phenol	<110	ug/kg dry	110	07/26/06	AR	SW 8270C
Pyrene	557	ug/kg dry	110	07/26/06	AR	SW 8270C
1,2,4-Trichlorobenzene	<54.9	ug/kg dry	54.9	07/26/06	AR	SW 8270C
2,4,5-Trichlorophenol	<110	ug/kg dry	110	07/26/06	AR	SW 8270C
2,4,6-Trichlorophenol	<54.9	ug/kg dry	54.9	07/26/06	AR	SW 8270C



Lab ID Number: 0607074-24

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Extracted 07/24/06 by Soxhlet Extraction for SW 8081.						
alpha-BHC	<0.55	ug/kg dry	0.55	07/27/06	AR	SW 8081
alpha-Chlordane	<0.55	ug/kg dry	0.55	07/27/06	AR	SW 8081
beta-BHC	<0.55	ug/kg dry	0.55	07/27/06	AR	SW 8081
Aldrin	<0.55	ug/kg dry	0.55	07/27/06	AR	SW 8081
gamma-BHC (Lindane)	<0.55	ug/kg dry	0.55	07/27/06	AR	SW 8081
gamma-Chlordane	<0.55	ug/kg dry	0.55	07/27/06	AR	SW 8081
Heptachlor	<0.55	ug/kg dry	0.55	07/27/06	AR	SW 8081
Heptachlor epoxide	<0.55	ug/kg dry	0.55	07/27/06	AR	SW 8081
delta-BHC	<0.55	ug/kg dry	0.55	07/27/06	AR	SW 8081
Endosulfan I	<2.74	ug/kg dry	2.74	07/27/06	AR	SW 8081
Endosulfan II	<2.74	ug/kg dry	2.74	07/27/06	AR	SW 8081
Endosulfan sulfate	<2.74	ug/kg dry	2.74	07/27/06	AR	SW 8081
Endrin	<2.74	ug/kg dry	2.74	07/27/06	AR	SW 8081
Endrin aldehyde	<2.74	ug/kg dry	2.74	07/27/06	AR	SW 8081
Endrin ketone	<2.74	ug/kg dry	2.74	07/27/06	AR	SW 8081
4,4'-DDD	<2.74	ug/kg dry	2.74	07/27/06	AR	SW 8081
4,4'-DDE	<2.74	ug/kg dry	2.74	07/27/06	AR	SW 8081
4,4'-DDT	<2.74	ug/kg dry	2.74	07/27/06	AR	SW 8081
Methoxychlor	<5.49	ug/kg dry	5.49	07/27/06	AR	SW 8081
Dieldrin	<2.74	ug/kg dry	2.74	07/27/06	AR	SW 8081
Chlordane (technical)	<5.49	ug/kg dry	5.49	07/27/06	AR	SW 8081
Toxaphene	<5.49	ug/kg dry	5.49	07/27/06	AR	SW 8081

Extracted 07/24/06 by Soxhlet Extraction for SW 8082.

Aroclor 1016	<22.0	ug/kg dry	22.0	07/27/06	AR	SW 8082
Aroclor 1221	<22.0	ug/kg dry	22.0	07/27/06	AR	SW 8082
Aroclor 1232	<22.0	ug/kg dry	22.0	07/27/06	AR	SW 8082
Aroclor 1242	<22.0	ug/kg dry	22.0	07/27/06	AR	SW 8082
Aroclor 1248	<22.0	ug/kg dry	22.0	07/27/06	AR	SW 8082
Aroclor 1254	<22.0	ug/kg dry	22.0	07/27/06	AR	SW 8082
Aroclor 1260	<22.0	ug/kg dry	22.0	07/27/06	AR	SW 8082

References

EPA - 40 Code of Federal Regulations, Part 136, October 26, 1984.

SW - SW 846 3rd Edition.

SM - Standard Methods for the Examination of Water and Wastewater, 18th edition.

LT - Lachat Method Manual, "*Methods List for Automated Ion Analyzers*", February 2004

New York State ELAP Laboratory ID #10950/EPA Laboratory ID #NY01292/New Jersey DEP Laboratory ID #NY006

Laboratory Director:



Joseph P. Shaujys



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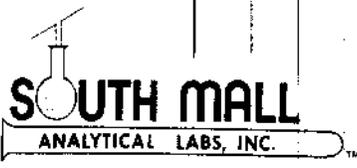
July 28, 2006

Hydro Tech Environmental
 1111 Fulton Street
 Brooklyn, NY 11238

Att: Eva Jakubowska

Sample Description: Soil - 264 North 10th Street Project/ Brooklyn, B-13, 0-2' - 07/14/06
 Sample Collected By: Hydro Tech Environmental
 Purchase Order: Verbal
 Date Samples Received: 7/20/06
 Work Order Number: 0607074
 Lab ID Number: 0607074-25

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Aluminum	10500	mg/kg dry	15.3	07/26/06	DW	SW 6010B
Antimony	1.30	mg/kg dry	0.459	07/26/06	DW	SW 6010B
Arsenic	5.04	mg/kg dry	0.255	07/26/06	DW	SW 6010B
Barium	172	mg/kg dry	1.28	07/26/06	DW	SW 6010B
Beryllium	0.459	mg/kg dry	0.051	07/26/06	DW	SW 6010B
Cadmium	2.03	mg/kg dry	0.051	07/26/06	DW	SW 6010B
Calcium	4780	mg/kg dry	38.3	07/26/06	DW	SW 6010B
Chromium	19.3	mg/kg dry	0.051	07/26/06	DW	SW 6010B
Cobalt	6.47	mg/kg dry	0.051	07/26/06	DW	SW 6010B
Copper	39.7	mg/kg dry	0.051	07/26/06	DW	SW 6010B
Iron	18600	mg/kg dry	6.38	07/26/06	DW	SW 6010B
Lead	198	mg/kg dry	0.153	07/26/06	DW	SW 6010B
Manganese	296	mg/kg dry	0.051	07/26/06	DW	SW 6010B
Magnesium	2520	mg/kg dry	8.93	07/26/06	DW	SW 6010B
Mercury	1.49	mg/kg dry	0.006	07/26/06	DW	SW 7471A
Nickel	12.8	mg/kg dry	0.102	07/26/06	DW	SW 6010B
Potassium	776	mg/kg dry	12.8	07/26/06	DW	SW 6010B
Selenium	<0.510	mg/kg dry	0.510	07/26/06	DW	SW 6010B
Silver	<0.102	mg/kg dry	0.102	07/26/06	DW	SW 6010B
Sodium	33.2	mg/kg dry	0.510	07/26/06	DW	SW 6010B
Thallium	<0.255	mg/kg dry	0.255	07/26/06	DW	SW 6010B
Vanadium	26.6	mg/kg dry	0.102	07/26/06	DW	SW 6010B
Zinc	240	mg/kg dry	0.102	07/26/06	DW	SW6010B
Acetone	<11.9	ug/kg dry	11.9	07/22/06	VNS	SW 8260B



Lab ID Number: 0607074-25

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Benzene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
Bromodichloromethane	<5.97	ug/kg dry	5.97	07/22/06	VNS	SW 8260B
Bromoform	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
Bromomethane	<2.39	ug/kg dry	2.39	07/22/06	VNS	SW 8260B
Carbon disulfide	<5.97	ug/kg dry	5.97	07/22/06	VNS	SW 8260B
Carbon Tetrachloride	<2.39	ug/kg dry	2.39	07/22/06	VNS	SW 8260B
Chlorobenzene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
Chloroethane	<2.39	ug/kg dry	2.39	07/22/06	VNS	SW 8260B
Chloroform	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
Chloromethane	<2.39	ug/kg dry	2.39	07/22/06	VNS	SW 8260B
Dibromochloromethane	<5.97	ug/kg dry	5.97	07/22/06	VNS	SW 8260B
1,3-Dichlorobenzene	<2.39	ug/kg dry	2.39	07/22/06	VNS	SW 8260B
1,2-Dichlorobenzene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
1,4-Dichlorobenzene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
1,2-Dichloroethane	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
1,1-Dichloroethane	<2.39	ug/kg dry	2.39	07/22/06	VNS	SW 8260B
trans-1,2-Dichloroethene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
cis-1,2-Dichloroethene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
1,1-Dichloroethene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
1,2-Dichloropropane	<2.39	ug/kg dry	2.39	07/22/06	VNS	SW 8260B
cis-1,3-Dichloropropene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
trans-1,3-Dichloropropene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
Ethylbenzene	<2.39	ug/kg dry	2.39	07/22/06	VNS	SW 8260B
Hexachlorobutadiene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
2-Hexanone	<5.97	ug/kg dry	5.97	07/22/06	VNS	SW 8260B
Methylene Chloride	<11.9	ug/kg dry	11.9	07/22/06	VNS	SW 8260B
Methyl Ethyl Ketone	<2.39	ug/kg dry	2.39	07/22/06	VNS	SW 8260B
Methyl Isobutyl Ketone	<5.97	ug/kg dry	5.97	07/22/06	VNS	SW 8260B
Naphthalene	<2.39	ug/kg dry	2.39	07/22/06	VNS	SW 8260B
Styrene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
1,1,2,2-Tetrachloroethane	<2.39	ug/kg dry	2.39	07/22/06	VNS	SW 8260B
Tetrachloroethene	1.21	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
Toluene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
1,2,4-Trichlorobenzene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
1,1,2-Trichloroethane	<2.39	ug/kg dry	2.39	07/22/06	VNS	SW 8260B
1,1,1-Trichloroethane	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
Trichloroethene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
Vinyl acetate	<5.97	ug/kg dry	5.97	07/22/06	VNS	SW 8260B
Vinyl chloride	<5.97	ug/kg dry	5.97	07/22/06	VNS	SW 8260B



Lab ID Number: 0607074-25

Analyte	Results	Units	RL	Analyzed	By	Method
m,p-Xylene	<2.39	ug/kg dry	2.39	07/22/06	VNS	SW 8260B
o-Xylene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B

Extracted 07/24/06 by Soxhlet Extraction for SW 8270C.

Acenaphthene	239	ug/kg dry	59.7	07/27/06	AR	SW 8270C
Acenaphthylene	<59.7	ug/kg dry	59.7	07/27/06	AR	SW 8270C
Anthracene	504	ug/kg dry	119	07/27/06	AR	SW 8270C
Benzo (a) anthracene	1020	ug/kg dry	59.7	07/27/06	AR	SW 8270C
Benzo (a) pyrene	894	ug/kg dry	59.7	07/27/06	AR	SW 8270C
Benzo (b) fluoranthene	1620	ug/kg dry	298	07/27/06	AR	SW 8270C
Benzo (g,h,i) perylene	792	ug/kg dry	59.7	07/27/06	AR	SW 8270C
Benzo (k) fluoranthene	120	ug/kg dry	119	07/27/06	AR	SW 8270C
4-Bromophenyl phenyl ether	<59.7	ug/kg dry	59.7	07/27/06	AR	SW 8270C
Butyl benzyl phthalate	<298	ug/kg dry	298	07/27/06	AR	SW 8270C
4-Chloro-3-methylphenol	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
4-Chloroaniline	<298	ug/kg dry	298	07/27/06	AR	SW 8270C
Bis(2-chloroethoxy)methane	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
Bis(2-chloroethyl)ether	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
Bis(2-chloroisopropyl)ether	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
2-Chloronaphthalene	<59.7	ug/kg dry	59.7	07/27/06	AR	SW 8270C
2-Chlorophenol	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
4-Chlorophenyl phenyl ether	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
Chrysene	963	ug/kg dry	119	07/27/06	AR	SW 8270C
Dibenz (a,h) anthracene	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
Dibenzofuran	<298	ug/kg dry	298	07/27/06	AR	SW 8270C
Di-n-butyl phthalate	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
1,4-Dichlorobenzene	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
1,2-Dichlorobenzene	<59.7	ug/kg dry	59.7	07/27/06	AR	SW 8270C
1,3-Dichlorobenzene	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
2,4-Dichlorophenol	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
Diethyl phthalate	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
2,4-Dimethylphenol	<597	ug/kg dry	597	07/27/06	AR	SW 8270C
Dimethyl phthalate	<59.7	ug/kg dry	59.7	07/27/06	AR	SW 8270C
4,6-Dinitro-2-methylphenol	<298	ug/kg dry	298	07/27/06	AR	SW 8270C
3,3'-Dichlorobenzidine	<298	ug/kg dry	298	07/27/06	AR	SW 8270C
2,4-Dinitrophenol	<298	ug/kg dry	298	07/27/06	AR	SW 8270C
2,4-Dinitrotoluene	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
2,6-Dinitrotoluene	<119	ug/kg dry	119	07/27/06	AR	SW 8270C



Lab ID Number: 0607074-25

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Di-n-octyl phthalate	<298	ug/kg dry	298	07/27/06	AR	SW 8270C
Bis(2-ethylhexyl)phthalate	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
Fluoranthene	2510	ug/kg dry	59.7	07/27/06	AR	SW 8270C
Fluorene	200	ug/kg dry	119	07/27/06	AR	SW 8270C
Hexachlorobenzene	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
Hexachlorobutadiene	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
Hexachlorocyclopentadiene	<597	ug/kg dry	597	07/27/06	AR	SW 8270C
Hexachloroethane	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
Indeno (1,2,3-cd) pyrene	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
Isophorone	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
2-Methylnaphthalene	<59.7	ug/kg dry	59.7	07/27/06	AR	SW 8270C
2-Methylphenol	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
3 & 4-Methylphenol	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
Naphthalene	<59.7	ug/kg dry	59.7	07/27/06	AR	SW 8270C
2-Nitroaniline	<298	ug/kg dry	298	07/27/06	AR	SW 8270C
4-Nitroaniline	<298	ug/kg dry	298	07/27/06	AR	SW 8270C
3-Nitroaniline	<298	ug/kg dry	298	07/27/06	AR	SW 8270C
Nitrobenzene	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
4-Nitrophenol	<298	ug/kg dry	298	07/27/06	AR	SW 8270C
2-Nitrophenol	<298	ug/kg dry	298	07/27/06	AR	SW 8270C
N-Nitrosodiphenylamine	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
N-Nitrosodi-n-propylamine	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
Pentachlorophenol	<298	ug/kg dry	298	07/27/06	AR	SW 8270C
Phenanthrene	2140	ug/kg dry	119	07/27/06	AR	SW 8270C
Phenol	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
Pyrene	1900	ug/kg dry	119	07/27/06	AR	SW 8270C
1,2,4-Trichlorobenzene	<59.7	ug/kg dry	59.7	07/27/06	AR	SW 8270C
2,4,5-Trichlorophenol	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
2,4,6-Trichlorophenol	<59.7	ug/kg dry	59.7	07/27/06	AR	SW 8270C



Lab ID Number: 0607074-25

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Extracted 07/24/06 by Soxhlet Extraction for SW 8081.						
alpha-BHC	<0.60	ug/kg dry	0.60	07/27/06	AR	SW 8081
alpha-Chlordane	<0.60	ug/kg dry	0.60	07/27/06	AR	SW 8081
beta-BHC	<0.60	ug/kg dry	0.60	07/27/06	AR	SW 8081
Aldrin	<0.60	ug/kg dry	0.60	07/27/06	AR	SW 8081
gamma-BHC (Lindane)	<0.60	ug/kg dry	0.60	07/27/06	AR	SW 8081
gamma-Chlordane	<0.60	ug/kg dry	0.60	07/27/06	AR	SW 8081
Heptachlor	<0.60	ug/kg dry	0.60	07/27/06	AR	SW 8081
Heptachlor epoxide	<0.60	ug/kg dry	0.60	07/27/06	AR	SW 8081
delta-BHC	<0.60	ug/kg dry	0.60	07/27/06	AR	SW 8081
Endosulfan I	<2.98	ug/kg dry	2.98	07/27/06	AR	SW 8081
Endosulfan II	<2.98	ug/kg dry	2.98	07/27/06	AR	SW 8081
Endosulfan sulfate	<2.98	ug/kg dry	2.98	07/27/06	AR	SW 8081
Endrin	<2.98	ug/kg dry	2.98	07/27/06	AR	SW 8081
Endrin aldehyde	<2.98	ug/kg dry	2.98	07/27/06	AR	SW 8081
Endrin ketone	<2.98	ug/kg dry	2.98	07/27/06	AR	SW 8081
4,4'-DDD	<2.98	ug/kg dry	2.98	07/27/06	AR	SW 8081
4,4'-DDE	<2.98	ug/kg dry	2.98	07/27/06	AR	SW 8081
4,4'-DDT	<2.98	ug/kg dry	2.98	07/27/06	AR	SW 8081
Methoxychlor	<5.97	ug/kg dry	5.97	07/27/06	AR	SW 8081
Dieldrin	<2.98	ug/kg dry	2.98	07/27/06	AR	SW 8081
Chlordane (technical)	<5.97	ug/kg dry	5.97	07/27/06	AR	SW 8081
Toxaphene	<5.97	ug/kg dry	5.97	07/27/06	AR	SW 8081

Extracted 07/24/06 by Soxhlet Extraction for SW 8082.

Aroclor 1016	<23.9	ug/kg dry	23.9	07/27/06	AR	SW 8082
Aroclor 1221	<23.9	ug/kg dry	23.9	07/27/06	AR	SW 8082
Aroclor 1232	<23.9	ug/kg dry	23.9	07/27/06	AR	SW 8082
Aroclor 1242	<23.9	ug/kg dry	23.9	07/27/06	AR	SW 8082
Aroclor 1248	<23.9	ug/kg dry	23.9	07/27/06	AR	SW 8082
Aroclor 1254	<23.9	ug/kg dry	23.9	07/27/06	AR	SW 8082
Aroclor 1260	<23.9	ug/kg dry	23.9	07/27/06	AR	SW 8082

References

EPA - 40 Code of Federal Regulations, Part 136, October 26, 1984.

SW - SW 846 3rd Edition.

SM - Standard Methods for the Examination of Water and Wastewater, 18th edition.

LT - Lachat Method Manual, "Methods List for Automated Ion Analyzers", February 2004

New York State ELAP Laboratory ID #10950/EPA Laboratory ID #NY01292/New Jersey DEP Laboratory ID #NY006

Laboratory Director:



Joseph P. Shaulys



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July 28, 2006

Hydro Tech Environmental
 1111 Fulton Street
 Brooklyn, NY 11238

Att: Eva Jakubowska

Sample Description: Soil - 264 North 10th Street Project/ Brooklyn, B-13, 6-8' - 07/14/06
 Sample Collected By: Hydro Tech Environmental
 Purchase Order: Verbal
 Date Samples Received: 7/20/06
 Work Order Number: 0607074
 Lab ID Number: 0607074-26

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Aluminum	13500	mg/kg dry	15.1	07/26/06	DW	SW 6010B
Antimony	1.96	mg/kg dry	0.454	07/26/06	DW	SW 6010B
Arsenic	<0.252	mg/kg dry	0.252	07/26/06	DW	SW 6010B
Barium	37.7	mg/kg dry	0.050	07/26/06	DW	SW 6010B
Beryllium	0.434	mg/kg dry	0.050	07/26/06	DW	SW 6010B
Cadmium	2.48	mg/kg dry	0.050	07/26/06	DW	SW 6010B
Calcium	1560	mg/kg dry	37.9	07/26/06	DW	SW 6010B
Chromium	20.9	mg/kg dry	0.050	07/26/06	DW	SW 6010B
Cobalt	6.55	mg/kg dry	0.050	07/26/06	DW	SW 6010B
Copper	13.8	mg/kg dry	0.050	07/26/06	DW	SW 6010B
Iron	25400	mg/kg dry	6.31	07/26/06	DW	SW 6010B
Lead	13.1	mg/kg dry	0.151	07/26/06	DW	SW 6010B
Manganese	205	mg/kg dry	0.050	07/26/06	DW	SW 6010B
Magnesium	4350	mg/kg dry	8.84	07/26/06	DW	SW 6010B
Mercury	1.43	mg/kg dry	0.006	07/26/06	DW	SW 7471A
Nickel	13.0	mg/kg dry	0.101	07/26/06	DW	SW 6010B
Potassium	1010	mg/kg dry	12.6	07/26/06	DW	SW 6010B
Selenium	<0.505	mg/kg dry	0.505	07/26/06	DW	SW 6010B
Silver	<0.101	mg/kg dry	0.101	07/26/06	DW	SW 6010B
Sodium	16.7	mg/kg dry	0.505	07/26/06	DW	SW 6010B
Thallium	<0.252	mg/kg dry	0.252	07/26/06	DW	SW 6010B
Vanadium	30.5	mg/kg dry	0.101	07/26/06	DW	SW 6010B
Zinc	36.3	mg/kg dry	0.101	07/26/06	DW	SW6010B
Acetone	68.5	ug/kg dry	11.9	07/22/06	VNS	SW 8260B



Lab ID Number: 0607074-26

Analyte	Results	Units	RL	Analyzed	By	Method
Benzene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
Bromodichloromethane	<5.94	ug/kg dry	5.94	07/22/06	VNS	SW 8260B
Bromoform	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
Bromomethane	<2.38	ug/kg dry	2.38	07/22/06	VNS	SW 8260B
Carbon disulfide	<5.94	ug/kg dry	5.94	07/22/06	VNS	SW 8260B
Carbon Tetrachloride	<2.38	ug/kg dry	2.38	07/22/06	VNS	SW 8260B
Chlorobenzene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
Chloroethane	<2.38	ug/kg dry	2.38	07/22/06	VNS	SW 8260B
Chloroform	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
Chloromethane	<2.38	ug/kg dry	2.38	07/22/06	VNS	SW 8260B
Dibromochloromethane	<5.94	ug/kg dry	5.94	07/22/06	VNS	SW 8260B
1,3-Dichlorobenzene	<2.38	ug/kg dry	2.38	07/22/06	VNS	SW 8260B
1,2-Dichlorobenzene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
1,4-Dichlorobenzene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
1,2-Dichloroethane	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
1,1-Dichloroethane	<2.38	ug/kg dry	2.38	07/22/06	VNS	SW 8260B
trans-1,2-Dichloroethene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
cis-1,2-Dichloroethene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
1,1-Dichloroethene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
1,2-Dichloropropane	<2.38	ug/kg dry	2.38	07/22/06	VNS	SW 8260B
cis-1,3-Dichloropropene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
trans-1,3-Dichloropropene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
Ethylbenzene	<2.38	ug/kg dry	2.38	07/22/06	VNS	SW 8260B
Hexachlorobutadiene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
2-Hexanone	<5.94	ug/kg dry	5.94	07/22/06	VNS	SW 8260B
Methylene Chloride	<11.9	ug/kg dry	11.9	07/22/06	VNS	SW 8260B
Methyl Ethyl Ketone	12.9	ug/kg dry	2.38	07/22/06	VNS	SW 8260B
Methyl Isobutyl Ketone	<5.94	ug/kg dry	5.94	07/22/06	VNS	SW 8260B
Naphthalene	<2.38	ug/kg dry	2.38	07/22/06	VNS	SW 8260B
Styrene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
1,1,2,2-Tetrachloroethane	<2.38	ug/kg dry	2.38	07/22/06	VNS	SW 8260B
Tetrachloroethene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
Toluene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
1,2,4-Trichlorobenzene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
1,1,2-Trichloroethane	<2.38	ug/kg dry	2.38	07/22/06	VNS	SW 8260B
1,1,1-Trichloroethane	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
Trichloroethene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
Vinyl acetate	<5.94	ug/kg dry	5.94	07/22/06	VNS	SW 8260B
Vinyl chloride	<5.94	ug/kg dry	5.94	07/22/06	VNS	SW 8260B



Lab ID Number: 0607074-26

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
m,p-Xylene	<2.38	ug/kg dry	2.38	07/22/06	VNS	SW 8260B
o-Xylene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B

Extracted 07/24/06 by Soxhlet Extraction for SW 8270C.

Acenaphthene	116	ug/kg dry	59.4	07/27/06	AR	SW 8270C
Acenaphthylene	<59.4	ug/kg dry	59.4	07/27/06	AR	SW 8270C
Anthracene	182	ug/kg dry	119	07/27/06	AR	SW 8270C
Benzo (a) anthracene	468	ug/kg dry	59.4	07/27/06	AR	SW 8270C
Benzo (a) pyrene	413	ug/kg dry	59.4	07/27/06	AR	SW 8270C
Benzo (b) fluoranthene	432	ug/kg dry	297	07/27/06	AR	SW 8270C
Benzo (g,h,i) perylene	382	ug/kg dry	59.4	07/27/06	AR	SW 8270C
Benzo (k) fluoranthene	325	ug/kg dry	119	07/27/06	AR	SW 8270C
4-Bromophenyl phenyl ether	<59.4	ug/kg dry	59.4	07/27/06	AR	SW 8270C
Butyl benzyl phthalate	<297	ug/kg dry	297	07/27/06	AR	SW 8270C
4-Chloro-3-methylphenol	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
4-Chloroaniline	<297	ug/kg dry	297	07/27/06	AR	SW 8270C
Bis(2-chloroethoxy)methane	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
Bis(2-chloroethyl)ether	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
Bis(2-chloroisopropyl)ether	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
2-Chloronaphthalene	<59.4	ug/kg dry	59.4	07/27/06	AR	SW 8270C
2-Chlorophenol	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
4-Chlorophenyl phenyl ether	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
Chrysene	498	ug/kg dry	119	07/27/06	AR	SW 8270C
Dibenz (a,h) anthracene	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
Dibenzofuran	<297	ug/kg dry	297	07/27/06	AR	SW 8270C
Di-n-butyl phthalate	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
1,4-Dichlorobenzene	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
1,2-Dichlorobenzene	<59.4	ug/kg dry	59.4	07/27/06	AR	SW 8270C
1,3-Dichlorobenzene	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
2,4-Dichlorophenol	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
Diethyl phthalate	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
2,4-Dimethylphenol	<594	ug/kg dry	594	07/27/06	AR	SW 8270C
Dimethyl phthalate	<59.4	ug/kg dry	59.4	07/27/06	AR	SW 8270C
4,6-Dinitro-2-methylphenol	<297	ug/kg dry	297	07/27/06	AR	SW 8270C
3,3'-Dichlorobenzidine	<297	ug/kg dry	297	07/27/06	AR	SW 8270C
2,4-Dinitrophenol	<297	ug/kg dry	297	07/27/06	AR	SW 8270C
2,4-Dinitrotoluene	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
2,6-Dinitrotoluene	<119	ug/kg dry	119	07/27/06	AR	SW 8270C



Lab ID Number: 0607074-26

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Di-n-octyl phthalate	<297	ug/kg dry	297	07/27/06	AR	SW 8270C
Bis(2-ethylhexyl)phthalate	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
Fluoranthene	1270	ug/kg dry	59.4	07/27/06	AR	SW 8270C
Fluorene	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
Hexachlorobenzene	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
Hexachlorobutadiene	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
Hexachlorocyclopentadiene	<594	ug/kg dry	594	07/27/06	AR	SW 8270C
Hexachloroethane	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
Indeno (1,2,3-cd) pyrene	137	ug/kg dry	119	07/27/06	AR	SW 8270C
Isophorone	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
2-Methylnaphthalene	<59.4	ug/kg dry	59.4	07/27/06	AR	SW 8270C
2-Methylphenol	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
3 & 4-Methylphenol	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
Naphthalene	<59.4	ug/kg dry	59.4	07/27/06	AR	SW 8270C
2-Nitroaniline	<297	ug/kg dry	297	07/27/06	AR	SW 8270C
4-Nitroaniline	<297	ug/kg dry	297	07/27/06	AR	SW 8270C
3-Nitroaniline	<297	ug/kg dry	297	07/27/06	AR	SW 8270C
Nitrobenzene	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
4-Nitrophenol	<297	ug/kg dry	297	07/27/06	AR	SW 8270C
2-Nitrophenol	<297	ug/kg dry	297	07/27/06	AR	SW 8270C
N-Nitrosodiphenylamine	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
N-Nitrosodi-n-propylamine	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
Pentachlorophenol	<297	ug/kg dry	297	07/27/06	AR	SW 8270C
Phenanthrene	803	ug/kg dry	119	07/27/06	AR	SW 8270C
Phenol	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
Pyrene	1070	ug/kg dry	119	07/27/06	AR	SW 8270C
1,2,4-Trichlorobenzene	<59.4	ug/kg dry	59.4	07/27/06	AR	SW 8270C
2,4,5-Trichlorophenol	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
2,4,6-Trichlorophenol	<59.4	ug/kg dry	59.4	07/27/06	AR	SW 8270C



Lab ID Number: 0607074-26

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Extracted 07/24/06 by Soxhlet Extraction for SW 8081.						
alpha-BHC	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
alpha-Chlordane	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
beta-BHC	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
Aldrin	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
gamma-BHC (Lindane)	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
gamma-Chlordane	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
Heptachlor	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
Heptachlor epoxide	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
delta-BHC	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
Endosulfan I	<2.97	ug/kg dry	2.97	07/27/06	AR	SW 8081
Endosulfan II	<2.97	ug/kg dry	2.97	07/27/06	AR	SW 8081
Endosulfan sulfate	<2.97	ug/kg dry	2.97	07/27/06	AR	SW 8081
Endrin	<2.97	ug/kg dry	2.97	07/27/06	AR	SW 8081
Endrin aldehyde	<2.97	ug/kg dry	2.97	07/27/06	AR	SW 8081
Endrin ketone	<2.97	ug/kg dry	2.97	07/27/06	AR	SW 8081
4,4'-DDD	<2.97	ug/kg dry	2.97	07/27/06	AR	SW 8081
4,4'-DDE	<2.97	ug/kg dry	2.97	07/27/06	AR	SW 8081
4,4'-DDT	<2.97	ug/kg dry	2.97	07/27/06	AR	SW 8081
Methoxychlor	<5.94	ug/kg dry	5.94	07/27/06	AR	SW 8081
Dieldrin	<2.97	ug/kg dry	2.97	07/27/06	AR	SW 8081
Chlordane (technical)	<5.94	ug/kg dry	5.94	07/27/06	AR	SW 8081
Toxaphene	<5.94	ug/kg dry	5.94	07/27/06	AR	SW 8081

Extracted 07/24/06 by Soxhlet Extraction for SW 8082.

Aroclor 1016	<23.8	ug/kg dry	23.8	07/27/06	AR	SW 8082
Aroclor 1221	<23.8	ug/kg dry	23.8	07/27/06	AR	SW 8082
Aroclor 1232	<23.8	ug/kg dry	23.8	07/27/06	AR	SW 8082
Aroclor 1242	<23.8	ug/kg dry	23.8	07/27/06	AR	SW 8082
Aroclor 1248	<23.8	ug/kg dry	23.8	07/27/06	AR	SW 8082
Aroclor 1254	<23.8	ug/kg dry	23.8	07/27/06	AR	SW 8082
Aroclor 1260	<23.8	ug/kg dry	23.8	07/27/06	AR	SW 8082

References

EPA - 40 Code of Federal Regulations, Part 136, October 26, 1984.

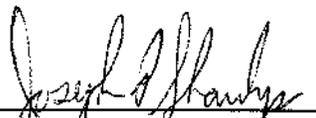
SW - SW 846 3rd Edition.

SM - Standard Methods for the Examination of Water and Wastewater, 18th edition.

LT - Lachat Method Manual, "Methods List for Automated Ion Analyzers", February 2004

New York State ELAP Laboratory ID #10950/EPA Laboratory ID #NY01292/New Jersey DEP Laboratory ID #NY006

Laboratory Director:



Joseph P. Shaulys



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July 28, 2006

Hydro Tech Environmental
 1111 Fulton Street
 Brooklyn, NY 11238

Att: Eva Jakubowska

Sample Description: Soil - 264 North 10th Street Project/ Brooklyn, B-14, 0-2' - 07/19/06
 Sample Collected By: Hydro Tech Environmental
 Purchase Order: Verbal
 Date Samples Received: 7/20/06
 Work Order Number: 0607074
 Lab ID Number: 0607074-27

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Aluminum	9120	mg/kg dry	16.4	07/26/06	DW	SW 6010B
Antimony	2.31	mg/kg dry	0.493	07/26/06	DW	SW 6010B
Arsenic	1.12	mg/kg dry	0.274	07/26/06	DW	SW 6010B
Barium	148	mg/kg dry	0.055	07/26/06	DW	SW 6010B
Beryllium	0.472	mg/kg dry	0.055	07/26/06	DW	SW 6010B
Cadmium	2.18	mg/kg dry	0.055	07/26/06	DW	SW 6010B
Calcium	7580	mg/kg dry	41.1	07/26/06	DW	SW 6010B
Chromium	21.0	mg/kg dry	0.055	07/26/06	DW	SW 6010B
Cobalt	6.90	mg/kg dry	0.055	07/26/06	DW	SW 6010B
Copper	33.0	mg/kg dry	0.055	07/26/06	DW	SW 6010B
Iron	25600	mg/kg dry	6.85	07/26/06	DW	SW 6010B
Lead	145	mg/kg dry	0.164	07/26/06	DW	SW 6010B
Manganese	418	mg/kg dry	0.055	07/26/06	DW	SW 6010B
Magnesium	2480	mg/kg dry	9.60	07/26/06	DW	SW 6010B
Mercury	0.648	mg/kg dry	0.001	07/26/06	DW	SW 7471A
Nickel	12.3	mg/kg dry	0.110	07/26/06	DW	SW 6010B
Potassium	980	mg/kg dry	13.7	07/26/06	DW	SW 6010B
Selenium	<0.548	mg/kg dry	0.548	07/26/06	DW	SW 6010B
Silver	<0.110	mg/kg dry	0.110	07/26/06	DW	SW 6010B
Sodium	26.4	mg/kg dry	0.548	07/26/06	DW	SW 6010B
Thallium	<0.274	mg/kg dry	0.274	07/26/06	DW	SW 6010B
Vanadium	35.6	mg/kg dry	0.110	07/26/06	DW	SW 6010B
Zinc	303	mg/kg dry	0.110	07/26/06	DW	SW6010B
Acetone	<11.9	ug/kg dry	11.9	07/22/06	VNS	SW 8260B



Lab ID Number: 0607074-27

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Benzene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
Bromodichloromethane	<5.94	ug/kg dry	5.94	07/22/06	VNS	SW 8260B
Bromoform	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
Bromomethane	<2.38	ug/kg dry	2.38	07/22/06	VNS	SW 8260B
Carbon disulfide	<5.94	ug/kg dry	5.94	07/22/06	VNS	SW 8260B
Carbon Tetrachloride	<2.38	ug/kg dry	2.38	07/22/06	VNS	SW 8260B
Chlorobenzene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
Chloroethane	<2.38	ug/kg dry	2.38	07/22/06	VNS	SW 8260B
Chloroform	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
Chloromethane	<2.38	ug/kg dry	2.38	07/22/06	VNS	SW 8260B
Dibromochloromethane	<5.94	ug/kg dry	5.94	07/22/06	VNS	SW 8260B
1,3-Dichlorobenzene	<2.38	ug/kg dry	2.38	07/22/06	VNS	SW 8260B
1,2-Dichlorobenzene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
1,4-Dichlorobenzene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
1,2-Dichloroethane	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
1,1-Dichloroethane	<2.38	ug/kg dry	2.38	07/22/06	VNS	SW 8260B
trans-1,2-Dichloroethene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
cis-1,2-Dichloroethene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
1,1-Dichloroethene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
1,2-Dichloropropane	<2.38	ug/kg dry	2.38	07/22/06	VNS	SW 8260B
cis-1,3-Dichloropropene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
trans-1,3-Dichloropropene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
Ethylbenzene	<2.38	ug/kg dry	2.38	07/22/06	VNS	SW 8260B
Hexachlorobutadiene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
2-Hexanone	<5.94	ug/kg dry	5.94	07/22/06	VNS	SW 8260B
Methylene Chloride	<11.9	ug/kg dry	11.9	07/22/06	VNS	SW 8260B
Methyl Ethyl Ketone	<2.38	ug/kg dry	2.38	07/22/06	VNS	SW 8260B
Methyl Isobutyl Ketone	<5.94	ug/kg dry	5.94	07/22/06	VNS	SW 8260B
Naphthalene	<2.38	ug/kg dry	2.38	07/22/06	VNS	SW 8260B
Styrene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
1,1,2,2-Tetrachloroethane	<2.38	ug/kg dry	2.38	07/22/06	VNS	SW 8260B
Tetrachloroethene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
Toluene	1.22	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
1,2,4-Trichlorobenzene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
1,1,2-Trichloroethane	<2.38	ug/kg dry	2.38	07/22/06	VNS	SW 8260B
1,1,1-Trichloroethane	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
Trichloroethene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
Vinyl acetate	<5.94	ug/kg dry	5.94	07/22/06	VNS	SW 8260B
Vinyl chloride	<5.94	ug/kg dry	5.94	07/22/06	VNS	SW 8260B



Lab ID Number: 0607074-27

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
m,p-Xylene	<2.38	ug/kg dry	2.38	07/22/06	VNS	SW 8260B
o-Xylene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B

Extracted 07/24/06 by Soxhlet Extraction for SW 8270C.

Acenaphthene	430	ug/kg dry	59.4	07/27/06	AR	SW 8270C
Acenaphthylene	85.5	ug/kg dry	59.4	07/27/06	AR	SW 8270C
Anthracene	690	ug/kg dry	119	07/27/06	AR	SW 8270C
Benzo (a) anthracene	1460	ug/kg dry	59.4	07/27/06	AR	SW 8270C
Benzo (a) pyrene	1250	ug/kg dry	59.4	07/27/06	AR	SW 8270C
Benzo (b) fluoranthene	1350	ug/kg dry	297	07/27/06	AR	SW 8270C
Benzo (g,h,i) perylene	1740	ug/kg dry	59.4	07/27/06	AR	SW 8270C
Benzo (k) fluoranthene	679	ug/kg dry	119	07/27/06	AR	SW 8270C
4-Bromophenyl phenyl ether	<59.4	ug/kg dry	59.4	07/27/06	AR	SW 8270C
Butyl benzyl phthalate	<297	ug/kg dry	297	07/27/06	AR	SW 8270C
4-Chloro-3-methylphenol	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
4-Chloroaniline	<297	ug/kg dry	297	07/27/06	AR	SW 8270C
Bis(2-chloroethoxy)methane	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
Bis(2-chloroethyl)ether	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
Bis(2-chloroisopropyl)ether	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
2-Chloronaphthalene	<59.4	ug/kg dry	59.4	07/27/06	AR	SW 8270C
2-Chlorophenol	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
4-Chlorophenyl phenyl ether	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
Chrysene	1570	ug/kg dry	119	07/27/06	AR	SW 8270C
Dibenz (a,h) anthracene	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
Dibenzofuran	415	ug/kg dry	297	07/27/06	AR	SW 8270C
Di-n-butyl phthalate	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
1,4-Dichlorobenzene	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
1,2-Dichlorobenzene	<59.4	ug/kg dry	59.4	07/27/06	AR	SW 8270C
1,3-Dichlorobenzene	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
2,4-Dichlorophenol	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
Diethyl phthalate	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
2,4-Dimethylphenol	<594	ug/kg dry	594	07/27/06	AR	SW 8270C
Dimethyl phthalate	<59.4	ug/kg dry	59.4	07/27/06	AR	SW 8270C
4,6-Dinitro-2-methylphenol	<297	ug/kg dry	297	07/27/06	AR	SW 8270C
3,3'-Dichlorobenzidine	<297	ug/kg dry	297	07/27/06	AR	SW 8270C
2,4-Dinitrophenol	<297	ug/kg dry	297	07/27/06	AR	SW 8270C
2,4-Dinitrotoluene	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
2,6-Dinitrotoluene	<119	ug/kg dry	119	07/27/06	AR	SW 8270C



Lab ID Number: 0607074-27

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Di-n-octyl phthalate	<297	ug/kg dry	297	07/27/06	AR	SW 8270C
Bis(2-ethylhexyl)phthalate	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
Fluoranthene	3730	ug/kg dry	59.4	07/27/06	AR	SW 8270C
Fluorene	452	ug/kg dry	119	07/27/06	AR	SW 8270C
Hexachlorobenzene	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
Hexachlorobutadiene	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
Hexachlorocyclopentadiene	<594	ug/kg dry	594	07/27/06	AR	SW 8270C
Hexachloroethane	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
Indeno (1,2,3-cd) pyrene	917	ug/kg dry	119	07/27/06	AR	SW 8270C
Isophorone	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
2-Methylnaphthalene	346	ug/kg dry	59.4	07/27/06	AR	SW 8270C
2-Methylphenol	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
3 & 4-Methylphenol	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
Naphthalene	1050	ug/kg dry	59.4	07/27/06	AR	SW 8270C
2-Nitroaniline	<297	ug/kg dry	297	07/27/06	AR	SW 8270C
4-Nitroaniline	<297	ug/kg dry	297	07/27/06	AR	SW 8270C
3-Nitroaniline	<297	ug/kg dry	297	07/27/06	AR	SW 8270C
Nitrobenzene	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
4-Nitrophenol	<297	ug/kg dry	297	07/27/06	AR	SW 8270C
2-Nitrophenol	<297	ug/kg dry	297	07/27/06	AR	SW 8270C
N-Nitrosodiphenylamine	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
N-Nitrosodi-n-propylamine	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
Pentachlorophenol	<297	ug/kg dry	297	07/27/06	AR	SW 8270C
Phenanthrene	3670	ug/kg dry	119	07/27/06	AR	SW 8270C
Phenol	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
Pyrene	3120	ug/kg dry	119	07/27/06	AR	SW 8270C
1,2,4-Trichlorobenzene	<59.4	ug/kg dry	59.4	07/27/06	AR	SW 8270C
2,4,5-Trichlorophenol	<119	ug/kg dry	119	07/27/06	AR	SW 8270C
2,4,6-Trichlorophenol	<59.4	ug/kg dry	59.4	07/27/06	AR	SW 8270C



Lab ID Number: 0607074-27

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Extracted 07/24/06 by Soxhlet Extraction for SW 8081.						
alpha-BHC	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
alpha-Chlordane	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
beta-BHC	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
Aldrin	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
gamma-BHC (Lindane)	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
gamma-Chlordane	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
Heptachlor	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
Heptachlor epoxide	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
delta-BHC	<0.59	ug/kg dry	0.59	07/27/06	AR	SW 8081
Endosulfan I	<2.97	ug/kg dry	2.97	07/27/06	AR	SW 8081
Endosulfan II	<2.97	ug/kg dry	2.97	07/27/06	AR	SW 8081
Endosulfan sulfate	<2.97	ug/kg dry	2.97	07/27/06	AR	SW 8081
Endrin	<2.97	ug/kg dry	2.97	07/27/06	AR	SW 8081
Endrin aldehyde	<2.97	ug/kg dry	2.97	07/27/06	AR	SW 8081
Endrin ketone	<2.97	ug/kg dry	2.97	07/27/06	AR	SW 8081
4,4'-DDD	<2.97	ug/kg dry	2.97	07/27/06	AR	SW 8081
4,4'-DDE	<2.97	ug/kg dry	2.97	07/27/06	AR	SW 8081
4,4'-DDT	<2.97	ug/kg dry	2.97	07/27/06	AR	SW 8081
Methoxychlor	<5.94	ug/kg dry	5.94	07/27/06	AR	SW 8081
Dieldrin	<2.97	ug/kg dry	2.97	07/27/06	AR	SW 8081
Chlordane (technical)	<5.94	ug/kg dry	5.94	07/27/06	AR	SW 8081
Toxaphene	<5.94	ug/kg dry	5.94	07/27/06	AR	SW 8081

Extracted 07/24/06 by Soxhlet Extraction for SW 8082.

Aroclor 1016	<23.8	ug/kg dry	23.8	07/27/06	AR	SW 8082
Aroclor 1221	<23.8	ug/kg dry	23.8	07/27/06	AR	SW 8082
Aroclor 1232	<23.8	ug/kg dry	23.8	07/27/06	AR	SW 8082
Aroclor 1242	<23.8	ug/kg dry	23.8	07/27/06	AR	SW 8082
Aroclor 1248	<23.8	ug/kg dry	23.8	07/27/06	AR	SW 8082
Aroclor 1254	<23.8	ug/kg dry	23.8	07/27/06	AR	SW 8082
Aroclor 1260	<23.8	ug/kg dry	23.8	07/27/06	AR	SW 8082

References

EPA - 40 Code of Federal Regulations, Part 136, October 26, 1984.

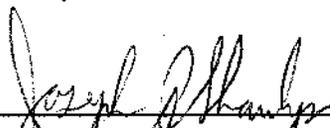
SW - SW 846 3rd Edition.

SM - Standard Methods for the Examination of Water and Wastewater, 18th edition.

LT - Lachat Method Manual, "Methods List for Automated Ion Analyzers", February 2004

New York State ELAP Laboratory ID #10950/EPA Laboratory ID #NY01292/New Jersey DEP Laboratory ID #NY006

Laboratory Director:


Joseph P. Shaulys



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July 28, 2006

Hydro Tech Environmental
 1111 Fulton Street
 Brooklyn, NY 11238

Att: Eva Jakubowska

Sample Description: Soil - 264 North 10th Street Project/ Brooklyn, B-14, 6-8' - 07/19/06
 Sample Collected By: Hydro Tech Environmental
 Purchase Order: Verbal
 Date Samples Received: 7/20/06
 Work Order Number: 0607074
 Lab ID Number: 0607074-28

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Aluminum	9110	mg/kg dry	17.0	07/26/06	DW	SW 6010B
Antimony	1.39	mg/kg dry	0.509	07/26/06	DW	SW 6010B
Arsenic	10.4	mg/kg dry	0.283	07/26/06	DW	SW 6010B
Barium	243	mg/kg dry	1.41	07/26/06	DW	SW 6010B
Beryllium	0.463	mg/kg dry	0.057	07/26/06	DW	SW 6010B
Cadmium	2.81	mg/kg dry	0.057	07/26/06	DW	SW 6010B
Calcium	15500	mg/kg dry	42.4	07/26/06	DW	SW 6010B
Chromium	16.2	mg/kg dry	0.057	07/26/06	DW	SW 6010B
Cobalt	25.4	mg/kg dry	0.057	07/26/06	DW	SW 6010B
Copper	131	mg/kg dry	0.057	07/26/06	DW	SW 6010B
Iron	19700	mg/kg dry	7.06	07/26/06	DW	SW 6010B
Lead	766	mg/kg dry	4.24	07/26/06	DW	SW 6010B
Magnesium	3010	mg/kg dry	9.89	07/26/06	DW	SW 6010B
Manganese	962	mg/kg dry	1.41	07/26/06	DW	SW 6010B
Mercury	0.800	mg/kg dry	0.001	07/26/06	DW	SW 7471A
Nickel	42.4	mg/kg dry	0.113	07/26/06	DW	SW 6010B
Potassium	818	mg/kg dry	14.1	07/26/06	DW	SW 6010B
Selenium	1.05	mg/kg dry	0.565	07/26/06	DW	SW 6010B
Silver	<0.113	mg/kg dry	0.113	07/26/06	DW	SW 6010B
Sodium	36.1	mg/kg dry	0.565	07/26/06	DW	SW 6010B
Thallium	<0.283	mg/kg dry	0.283	07/26/06	DW	SW 6010B
Vanadium	22.2	mg/kg dry	0.113	07/26/06	DW	SW 6010B
Zinc	802	mg/kg dry	2.83	07/26/06	DW	SW6010B
Acetone	<11.9	ug/kg dry	11.9	07/22/06	VNS	SW 8260B



Lab ID Number: 0607074-28

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Benzene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
Bromodichloromethane	<5.97	ug/kg dry	5.97	07/22/06	VNS	SW 8260B
Bromoform	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
Bromomethane	<2.39	ug/kg dry	2.39	07/22/06	VNS	SW 8260B
Carbon disulfide	<5.97	ug/kg dry	5.97	07/22/06	VNS	SW 8260B
Carbon Tetrachloride	<2.39	ug/kg dry	2.39	07/22/06	VNS	SW 8260B
Chlorobenzene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
Chloroethane	<2.39	ug/kg dry	2.39	07/22/06	VNS	SW 8260B
Chloroform	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
Chloromethane	<2.39	ug/kg dry	2.39	07/22/06	VNS	SW 8260B
Dibromochloromethane	<5.97	ug/kg dry	5.97	07/22/06	VNS	SW 8260B
1,3-Dichlorobenzene	<2.39	ug/kg dry	2.39	07/22/06	VNS	SW 8260B
1,2-Dichlorobenzene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
1,4-Dichlorobenzene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
1,2-Dichloroethane	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
1,1-Dichloroethane	<2.39	ug/kg dry	2.39	07/22/06	VNS	SW 8260B
trans-1,2-Dichloroethene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
cis-1,2-Dichloroethene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
1,1-Dichloroethene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
1,2-Dichloropropane	<2.39	ug/kg dry	2.39	07/22/06	VNS	SW 8260B
cis-1,3-Dichloropropene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
trans-1,3-Dichloropropene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
Ethylbenzene	<2.39	ug/kg dry	2.39	07/22/06	VNS	SW 8260B
Hexachlorobutadiene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
2-Hexanone	<5.97	ug/kg dry	5.97	07/22/06	VNS	SW 8260B
Methylene Chloride	<11.9	ug/kg dry	11.9	07/22/06	VNS	SW 8260B
Methyl Ethyl Ketone	<2.39	ug/kg dry	2.39	07/22/06	VNS	SW 8260B
Methyl Isobutyl Ketone	<5.97	ug/kg dry	5.97	07/22/06	VNS	SW 8260B
Naphthalene	<2.39	ug/kg dry	2.39	07/22/06	VNS	SW 8260B
Styrene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
1,1,2,2-Tetrachloroethane	<2.39	ug/kg dry	2.39	07/22/06	VNS	SW 8260B
Tetrachloroethene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
Toluene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
1,2,4-Trichlorobenzene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
1,1,2-Trichloroethane	<2.39	ug/kg dry	2.39	07/22/06	VNS	SW 8260B
1,1,1-Trichloroethane	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
Trichloroethene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B
Vinyl acetate	<5.97	ug/kg dry	5.97	07/22/06	VNS	SW 8260B
Vinyl chloride	<5.97	ug/kg dry	5.97	07/22/06	VNS	SW 8260B



Lab ID Number: 0607074-28

Analyte	Results	Units	RL	Analyzed	By	Method
m,p-Xylene	<2.39	ug/kg dry	2.39	07/22/06	VNS	SW 8260B
o-Xylene	<1.19	ug/kg dry	1.19	07/22/06	VNS	SW 8260B

Extracted 07/24/06 by Soxhlet Extraction for SW 8270C.

Acenaphthene	<59.7	ug/kg dry	59.7	07/28/06	AR	SW 8270C
Acenaphthylene	<59.7	ug/kg dry	59.7	07/28/06	AR	SW 8270C
Anthracene	145	ug/kg dry	119	07/28/06	AR	SW 8270C
Benzo (a) anthracene	452	ug/kg dry	59.7	07/28/06	AR	SW 8270C
Benzo (a) pyrene	379	ug/kg dry	59.7	07/28/06	AR	SW 8270C
Benzo (b) fluoranthene	401	ug/kg dry	298	07/28/06	AR	SW 8270C
Benzo (g,h,i) perylene	<59.7	ug/kg dry	59.7	07/28/06	AR	SW 8270C
Benzo (k) fluoranthene	383	ug/kg dry	119	07/28/06	AR	SW 8270C
4-Bromophenyl phenyl ether	<59.7	ug/kg dry	59.7	07/28/06	AR	SW 8270C
Butyl benzyl phthalate	<298	ug/kg dry	298	07/28/06	AR	SW 8270C
4-Chloro-3-methylphenol	<119	ug/kg dry	119	07/28/06	AR	SW 8270C
4-Chloroaniline	<298	ug/kg dry	298	07/28/06	AR	SW 8270C
Bis(2-chloroethoxy)methane	<119	ug/kg dry	119	07/28/06	AR	SW 8270C
Bis(2-chloroethyl)ether	<119	ug/kg dry	119	07/28/06	AR	SW 8270C
Bis(2-chloroisopropyl)ether	<119	ug/kg dry	119	07/28/06	AR	SW 8270C
2-Chloronaphthalene	<59.7	ug/kg dry	59.7	07/28/06	AR	SW 8270C
2-Chlorophenol	<119	ug/kg dry	119	07/28/06	AR	SW 8270C
4-Chlorophenyl phenyl ether	<119	ug/kg dry	119	07/28/06	AR	SW 8270C
Chrysene	520	ug/kg dry	119	07/28/06	AR	SW 8270C
Dibenz (a,h) anthracene	<119	ug/kg dry	119	07/28/06	AR	SW 8270C
Dibenzofuran	<298	ug/kg dry	298	07/28/06	AR	SW 8270C
Di-n-butyl phthalate	<119	ug/kg dry	119	07/28/06	AR	SW 8270C
1,4-Dichlorobenzene	<119	ug/kg dry	119	07/28/06	AR	SW 8270C
1,2-Dichlorobenzene	<59.7	ug/kg dry	59.7	07/28/06	AR	SW 8270C
1,3-Dichlorobenzene	<119	ug/kg dry	119	07/28/06	AR	SW 8270C
2,4-Dichlorophenol	<119	ug/kg dry	119	07/28/06	AR	SW 8270C
Diethyl phthalate	<119	ug/kg dry	119	07/28/06	AR	SW 8270C
2,4-Dimethylphenol	<597	ug/kg dry	597	07/28/06	AR	SW 8270C
Dimethyl phthalate	<59.7	ug/kg dry	59.7	07/28/06	AR	SW 8270C
4,6-Dinitro-2-methylphenol	<298	ug/kg dry	298	07/28/06	AR	SW 8270C
3,3'-Dichlorobenzidine	<298	ug/kg dry	298	07/28/06	AR	SW 8270C
2,4-Dinitrophenol	<298	ug/kg dry	298	07/28/06	AR	SW 8270C
2,4-Dinitrotoluene	<119	ug/kg dry	119	07/28/06	AR	SW 8270C
2,6-Dinitrotoluene	<119	ug/kg dry	119	07/28/06	AR	SW 8270C



Lab ID Number: 0607074-28

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Di-n-octyl phthalate	<298	ug/kg dry	298	07/28/06	AR	SW 8270C
Bis(2-ethylhexyl)phthalate	<119	ug/kg dry	119	07/28/06	AR	SW 8270C
Fluoranthene	1110	ug/kg dry	59.7	07/28/06	AR	SW 8270C
Fluorene	<119	ug/kg dry	119	07/28/06	AR	SW 8270C
Hexachlorobenzene	<119	ug/kg dry	119	07/28/06	AR	SW 8270C
Hexachlorobutadiene	<119	ug/kg dry	119	07/28/06	AR	SW 8270C
Hexachlorocyclopentadiene	<597	ug/kg dry	597	07/28/06	AR	SW 8270C
Hexachloroethane	<119	ug/kg dry	119	07/28/06	AR	SW 8270C
Indeno (1,2,3-cd) pyrene	<119	ug/kg dry	119	07/28/06	AR	SW 8270C
Isophorone	<119	ug/kg dry	119	07/28/06	AR	SW 8270C
2-Methylnaphthalene	<59.7	ug/kg dry	59.7	07/28/06	AR	SW 8270C
2-Methylphenol	<119	ug/kg dry	119	07/28/06	AR	SW 8270C
3 & 4-Methylphenol	<119	ug/kg dry	119	07/28/06	AR	SW 8270C
Naphthalene	<59.7	ug/kg dry	59.7	07/28/06	AR	SW 8270C
2-Nitroaniline	<298	ug/kg dry	298	07/28/06	AR	SW 8270C
4-Nitroaniline	<298	ug/kg dry	298	07/28/06	AR	SW 8270C
3-Nitroaniline	<298	ug/kg dry	298	07/28/06	AR	SW 8270C
Nitrobenzene	<119	ug/kg dry	119	07/28/06	AR	SW 8270C
4-Nitrophenol	<298	ug/kg dry	298	07/28/06	AR	SW 8270C
2-Nitrophenol	<298	ug/kg dry	298	07/28/06	AR	SW 8270C
N-Nitrosodiphenylamine	<119	ug/kg dry	119	07/28/06	AR	SW 8270C
N-Nitrosodi-n-propylamine	<119	ug/kg dry	119	07/28/06	AR	SW 8270C
Pentachlorophenol	<298	ug/kg dry	298	07/28/06	AR	SW 8270C
Phenanthrene	746	ug/kg dry	119	07/28/06	AR	SW 8270C
Phenol	<119	ug/kg dry	119	07/28/06	AR	SW 8270C
Pyrene	819	ug/kg dry	119	07/28/06	AR	SW 8270C
1,2,4-Trichlorobenzene	<59.7	ug/kg dry	59.7	07/28/06	AR	SW 8270C
2,4,5-Trichlorophenol	<119	ug/kg dry	119	07/28/06	AR	SW 8270C
2,4,6-Trichlorophenol	<59.7	ug/kg dry	59.7	07/28/06	AR	SW 8270C



Lab ID Number: 0607074-28

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Extracted 07/24/06 by Soxhlet Extraction for SW 8081.						
alpha-BHC	<0.60	ug/kg dry	0.60	07/27/06	AR	SW 8081
alpha-Chlordane	<0.60	ug/kg dry	0.60	07/27/06	AR	SW 8081
beta-BHC	<0.60	ug/kg dry	0.60	07/27/06	AR	SW 8081
Aldrin	<0.60	ug/kg dry	0.60	07/27/06	AR	SW 8081
gamma-BHC (Lindane)	<0.60	ug/kg dry	0.60	07/27/06	AR	SW 8081
gamma-Chlordane	<0.60	ug/kg dry	0.60	07/27/06	AR	SW 8081
Heptachlor	<0.60	ug/kg dry	0.60	07/27/06	AR	SW 8081
Heptachlor epoxide	<0.60	ug/kg dry	0.60	07/27/06	AR	SW 8081
delta-BHC	<0.60	ug/kg dry	0.60	07/27/06	AR	SW 8081
Endosulfan I	<2.98	ug/kg dry	2.98	07/27/06	AR	SW 8081
Endosulfan II	<2.98	ug/kg dry	2.98	07/27/06	AR	SW 8081
Endosulfan sulfate	<2.98	ug/kg dry	2.98	07/27/06	AR	SW 8081
Endrin	<2.98	ug/kg dry	2.98	07/27/06	AR	SW 8081
Endrin aldehyde	<2.98	ug/kg dry	2.98	07/27/06	AR	SW 8081
Endrin ketone	<2.98	ug/kg dry	2.98	07/27/06	AR	SW 8081
4,4'-DDD	<2.98	ug/kg dry	2.98	07/27/06	AR	SW 8081
4,4'-DDE	<2.98	ug/kg dry	2.98	07/27/06	AR	SW 8081
4,4'-DDT	<2.98	ug/kg dry	2.98	07/27/06	AR	SW 8081
Methoxychlor	<5.97	ug/kg dry	5.97	07/27/06	AR	SW 8081
Dieldrin	<2.98	ug/kg dry	2.98	07/27/06	AR	SW 8081
Chlordane (technical)	<5.97	ug/kg dry	5.97	07/27/06	AR	SW 8081
Toxaphene	<5.97	ug/kg dry	5.97	07/27/06	AR	SW 8081

Extracted 07/24/06 by Soxhlet Extraction for SW 8082.

Aroclor 1016	<23.9	ug/kg dry	23.9	07/27/06	AR	SW 8082
Aroclor 1221	<23.9	ug/kg dry	23.9	07/27/06	AR	SW 8082
Aroclor 1232	<23.9	ug/kg dry	23.9	07/27/06	AR	SW 8082
Aroclor 1242	<23.9	ug/kg dry	23.9	07/27/06	AR	SW 8082
Aroclor 1248	<23.9	ug/kg dry	23.9	07/27/06	AR	SW 8082
Aroclor 1254	<23.9	ug/kg dry	23.9	07/27/06	AR	SW 8082
Aroclor 1260	<23.9	ug/kg dry	23.9	07/27/06	AR	SW 8082

References

EPA - 40 Code of Federal Regulations, Part 136, October 26, 1984.

SW - SW 846 3rd Edition.

SM - Standard Methods for the Examination of Water and Wastewater, 18th edition.

LT - Lachat Method Manual, "Methods List for Automated Ion Analyzers", February 2004

New York State ELAP Laboratory ID #10950/EPA Laboratory ID #NY01292/New Jersey DEP Laboratory ID #NY006

Laboratory Director:


Joseph P. Shaulys



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July 28, 2006

Hydro Tech Environmental
 1111 Fulton Street
 Brooklyn, NY 11238

Att: Eva Jakubowska

Sample Description: Soil - 264 North 10th Street Project/ Brooklyn, B-15, 0-2' - 07/19/06
 Sample Collected By: Hydro Tech Environmental
 Purchase Order: Verbal
 Date Samples Received: 7/20/06
 Work Order Number: 0607074
 Lab ID Number: 0607074-29

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Aluminum	5820	mg/kg dry	20.7	07/26/06	DW	SW 6010B
Antimony	5.04	mg/kg dry	0.621	07/26/06	DW	SW 6010B
Arsenic	5.17	mg/kg dry	0.345	07/26/06	DW	SW 6010B
Barium	178	mg/kg dry	0.069	07/26/06	DW	SW 6010B
Beryllium	0.262	mg/kg dry	0.069	07/26/06	DW	SW 6010B
Cadmium	3.01	mg/kg dry	0.069	07/26/06	DW	SW 6010B
Calcium	10300	mg/kg dry	51.7	07/26/06	DW	SW 6010B
Chromium	14.6	mg/kg dry	0.069	07/26/06	DW	SW 6010B
Cobalt	6.58	mg/kg dry	0.069	07/26/06	DW	SW 6010B
Copper	67.8	mg/kg dry	0.069	07/26/06	DW	SW 6010B
Iron	30400	mg/kg dry	8.62	07/26/06	DW	SW 6010B
Lead	577	mg/kg dry	0.207	07/26/06	DW	SW 6010B
Manganese	402	mg/kg dry	0.069	07/26/06	DW	SW 6010B
Magnesium	1960	mg/kg dry	12.1	07/26/06	DW	SW 6010B
Mercury	5.64	mg/kg dry	0.016	07/26/06	DW	SW 7471A
Nickel	12.3	mg/kg dry	0.138	07/26/06	DW	SW 6010B
Potassium	798	mg/kg dry	17.2	07/26/06	DW	SW 6010B
Selenium	<0.690	mg/kg dry	0.690	07/26/06	DW	SW 6010B
Silver	<0.138	mg/kg dry	0.138	07/26/06	DW	SW 6010B
Sodium	119	mg/kg dry	0.690	07/26/06	DW	SW 6010B
Thallium	<0.345	mg/kg dry	0.345	07/26/06	DW	SW 6010B
Vanadium	21.2	mg/kg dry	0.138	07/26/06	DW	SW 6010B
Zinc	174	mg/kg dry	0.138	07/26/06	DW	SW6010B
Acetone	37.6	ug/kg dry	15.2	07/22/06	VNS	SW 8260B



Lab ID Number: 0607074-29

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Benzene	<1.52	ug/kg dry	1.52	07/22/06	VNS	SW 8260B
Bromodichloromethane	<7.58	ug/kg dry	7.58	07/22/06	VNS	SW 8260B
Bromoform	<1.52	ug/kg dry	1.52	07/22/06	VNS	SW 8260B
Bromomethane	<3.03	ug/kg dry	3.03	07/22/06	VNS	SW 8260B
Carbon disulfide	<7.58	ug/kg dry	7.58	07/22/06	VNS	SW 8260B
Carbon Tetrachloride	<3.03	ug/kg dry	3.03	07/22/06	VNS	SW 8260B
Chlorobenzene	<1.52	ug/kg dry	1.52	07/22/06	VNS	SW 8260B
Chloroethane	<3.03	ug/kg dry	3.03	07/22/06	VNS	SW 8260B
Chloroform	<1.52	ug/kg dry	1.52	07/22/06	VNS	SW 8260B
Chloromethane	<3.03	ug/kg dry	3.03	07/22/06	VNS	SW 8260B
Dibromochloromethane	<7.58	ug/kg dry	7.58	07/22/06	VNS	SW 8260B
1,3-Dichlorobenzene	<3.03	ug/kg dry	3.03	07/22/06	VNS	SW 8260B
1,2-Dichlorobenzene	<1.52	ug/kg dry	1.52	07/22/06	VNS	SW 8260B
1,4-Dichlorobenzene	<1.52	ug/kg dry	1.52	07/22/06	VNS	SW 8260B
1,2-Dichloroethane	<1.52	ug/kg dry	1.52	07/22/06	VNS	SW 8260B
1,1-Dichloroethane	<3.03	ug/kg dry	3.03	07/22/06	VNS	SW 8260B
trans-1,2-Dichloroethene	<1.52	ug/kg dry	1.52	07/22/06	VNS	SW 8260B
cis-1,2-Dichloroethene	<1.52	ug/kg dry	1.52	07/22/06	VNS	SW 8260B
1,1-Dichloroethene	<1.52	ug/kg dry	1.52	07/22/06	VNS	SW 8260B
1,2-Dichloropropane	<3.03	ug/kg dry	3.03	07/22/06	VNS	SW 8260B
cis-1,3-Dichloropropene	<1.52	ug/kg dry	1.52	07/22/06	VNS	SW 8260B
trans-1,3-Dichloropropene	<1.52	ug/kg dry	1.52	07/22/06	VNS	SW 8260B
Ethylbenzene	<3.03	ug/kg dry	3.03	07/22/06	VNS	SW 8260B
Hexachlorobutadiene	<1.52	ug/kg dry	1.52	07/22/06	VNS	SW 8260B
2-Hexanone	<7.58	ug/kg dry	7.58	07/22/06	VNS	SW 8260B
Methylene Chloride	<15.2	ug/kg dry	15.2	07/22/06	VNS	SW 8260B
Methyl Ethyl Ketone	<3.03	ug/kg dry	3.03	07/22/06	VNS	SW 8260B
Methyl Isobutyl Ketone	<7.58	ug/kg dry	7.58	07/22/06	VNS	SW 8260B
Naphthalene	<3.03	ug/kg dry	3.03	07/22/06	VNS	SW 8260B
Styrene	<1.52	ug/kg dry	1.52	07/22/06	VNS	SW 8260B
1,1,2,2-Tetrachloroethane	<3.03	ug/kg dry	3.03	07/22/06	VNS	SW 8260B
Tetrachloroethene	<1.52	ug/kg dry	1.52	07/22/06	VNS	SW 8260B
Toluene	<1.52	ug/kg dry	1.52	07/22/06	VNS	SW 8260B
1,2,4-Trichlorobenzene	<1.52	ug/kg dry	1.52	07/22/06	VNS	SW 8260B
1,1,2-Trichloroethane	<3.03	ug/kg dry	3.03	07/22/06	VNS	SW 8260B
1,1,1-Trichloroethane	<1.52	ug/kg dry	1.52	07/22/06	VNS	SW 8260B
Trichloroethene	<1.52	ug/kg dry	1.52	07/22/06	VNS	SW 8260B
Vinyl acetate	<7.58	ug/kg dry	7.58	07/22/06	VNS	SW 8260B
Vinyl chloride	<7.58	ug/kg dry	7.58	07/22/06	VNS	SW 8260B



Lab ID Number: 0607074-29

Analyte	Results	Units	RL	Analyzed	By	Method
m,p-Xylene	<3.03	ug/kg dry	3.03	07/22/06	VNS	SW 8260B
o-Xylene	<1.52	ug/kg dry	1.52	07/22/06	VNS	SW 8260B

Extracted 07/24/06 by Soxhlet Extraction for SW 8270C.

Acenaphthene	131	ug/kg dry	75.8	07/27/06	AR	SW 8270C
Acenaphthylene	<75.8	ug/kg dry	75.8	07/27/06	AR	SW 8270C
Anthracene	232	ug/kg dry	152	07/27/06	AR	SW 8270C
Benzo (a) anthracene	540	ug/kg dry	75.8	07/27/06	AR	SW 8270C
Benzo (a) pyrene	481	ug/kg dry	75.8	07/27/06	AR	SW 8270C
Benzo (b) fluoranthene	654	ug/kg dry	379	07/27/06	AR	SW 8270C
Benzo (g,h,i) perylene	<75.8	ug/kg dry	75.8	07/27/06	AR	SW 8270C
Benzo (k) fluoranthene	427	ug/kg dry	152	07/27/06	AR	SW 8270C
4-Bromophenyl phenyl ether	<75.8	ug/kg dry	75.8	07/27/06	AR	SW 8270C
Butyl benzyl phthalate	<379	ug/kg dry	379	07/27/06	AR	SW 8270C
4-Chloro-3-methylphenol	<152	ug/kg dry	152	07/27/06	AR	SW 8270C
4-Chloroaniline	<379	ug/kg dry	379	07/27/06	AR	SW 8270C
Bis(2-chloroethoxy)methane	<152	ug/kg dry	152	07/27/06	AR	SW 8270C
Bis(2-chloroethyl)ether	<152	ug/kg dry	152	07/27/06	AR	SW 8270C
Bis(2-chloroisopropyl)ether	<152	ug/kg dry	152	07/27/06	AR	SW 8270C
2-Chloronaphthalene	<75.8	ug/kg dry	75.8	07/27/06	AR	SW 8270C
2-Chlorophenol	<152	ug/kg dry	152	07/27/06	AR	SW 8270C
4-Chlorophenyl phenyl ether	<152	ug/kg dry	152	07/27/06	AR	SW 8270C
Chrysene	612	ug/kg dry	152	07/27/06	AR	SW 8270C
Dibenz (a,h) anthracene	<152	ug/kg dry	152	07/27/06	AR	SW 8270C
Dibenzofuran	<379	ug/kg dry	379	07/27/06	AR	SW 8270C
Di-n-butyl phthalate	<152	ug/kg dry	152	07/27/06	AR	SW 8270C
1,4-Dichlorobenzene	<152	ug/kg dry	152	07/27/06	AR	SW 8270C
1,2-Dichlorobenzene	<75.8	ug/kg dry	75.8	07/27/06	AR	SW 8270C
1,3-Dichlorobenzene	<152	ug/kg dry	152	07/27/06	AR	SW 8270C
2,4-Dichlorophenol	<152	ug/kg dry	152	07/27/06	AR	SW 8270C
Diethyl phthalate	<152	ug/kg dry	152	07/27/06	AR	SW 8270C
2,4-Dimethylphenol	<758	ug/kg dry	758	07/27/06	AR	SW 8270C
Dimethyl phthalate	<75.8	ug/kg dry	75.8	07/27/06	AR	SW 8270C
4,6-Dinitro-2-methylphenol	<379	ug/kg dry	379	07/27/06	AR	SW 8270C
3,3'-Dichlorobenzidine	<379	ug/kg dry	379	07/27/06	AR	SW 8270C
2,4-Dinitrophenol	<379	ug/kg dry	379	07/27/06	AR	SW 8270C
2,4-Dinitrotoluene	<152	ug/kg dry	152	07/27/06	AR	SW 8270C
2,6-Dinitrotoluene	<152	ug/kg dry	152	07/27/06	AR	SW 8270C



Lab ID Number: 0607074-29

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Di-n-octyl phthalate	<379	ug/kg dry	379	07/27/06	AR	SW 8270C
Bis(2-ethylhexyl)phthalate	<152	ug/kg dry	152	07/27/06	AR	SW 8270C
Fluoranthene	<75.8	ug/kg dry	75.8	07/27/06	AR	SW 8270C
Fluorene	<152	ug/kg dry	152	07/27/06	AR	SW 8270C
Hexachlorobenzene	<152	ug/kg dry	152	07/27/06	AR	SW 8270C
Hexachlorobutadiene	<152	ug/kg dry	152	07/27/06	AR	SW 8270C
Hexachlorocyclopentadiene	<758	ug/kg dry	758	07/27/06	AR	SW 8270C
Hexachloroethane	<152	ug/kg dry	152	07/27/06	AR	SW 8270C
Indeno (1,2,3-cd) pyrene	<152	ug/kg dry	152	07/27/06	AR	SW 8270C
Isophorone	<152	ug/kg dry	152	07/27/06	AR	SW 8270C
2-Methylnaphthalene	<75.8	ug/kg dry	75.8	07/27/06	AR	SW 8270C
2-Methylphenol	<152	ug/kg dry	152	07/27/06	AR	SW 8270C
3 & 4-Methylphenol	502	ug/kg dry	152	07/27/06	AR	SW 8270C
Naphthalene	<75.8	ug/kg dry	75.8	07/27/06	AR	SW 8270C
2-Nitroaniline	<379	ug/kg dry	379	07/27/06	AR	SW 8270C
4-Nitroaniline	<379	ug/kg dry	379	07/27/06	AR	SW 8270C
3-Nitroaniline	<379	ug/kg dry	379	07/27/06	AR	SW 8270C
Nitrobenzene	<152	ug/kg dry	152	07/27/06	AR	SW 8270C
4-Nitrophenol	<379	ug/kg dry	379	07/27/06	AR	SW 8270C
2-Nitrophenol	<379	ug/kg dry	379	07/27/06	AR	SW 8270C
N-Nitrosodiphenylamine	<152	ug/kg dry	152	07/27/06	AR	SW 8270C
N-Nitrosodi-n-propylamine	<152	ug/kg dry	152	07/27/06	AR	SW 8270C
Pentachlorophenol	<379	ug/kg dry	379	07/27/06	AR	SW 8270C
Phenanthrene	1090	ug/kg dry	152	07/27/06	AR	SW 8270C
Phenol	<152	ug/kg dry	152	07/27/06	AR	SW 8270C
Pyrene	1410	ug/kg dry	152	07/27/06	AR	SW 8270C
1,2,4-Trichlorobenzene	<75.8	ug/kg dry	75.8	07/27/06	AR	SW 8270C
2,4,5-Trichlorophenol	<152	ug/kg dry	152	07/27/06	AR	SW 8270C
2,4,6-Trichlorophenol	<75.8	ug/kg dry	75.8	07/27/06	AR	SW 8270C



Lab ID Number: 0607074-29

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Extracted 07/24/06 by Soxhlet Extraction for SW 8081.						
alpha-BHC	<0.76	ug/kg dry	0.76	07/27/06	AR	SW 8081
alpha-Chlordane	<0.76	ug/kg dry	0.76	07/27/06	AR	SW 8081
beta-BHC	<0.76	ug/kg dry	0.76	07/27/06	AR	SW 8081
Aldrin	<0.76	ug/kg dry	0.76	07/27/06	AR	SW 8081
gamma-BHC (Lindane)	<0.76	ug/kg dry	0.76	07/27/06	AR	SW 8081
gamma-Chlordane	<0.76	ug/kg dry	0.76	07/27/06	AR	SW 8081
Heptachlor	<0.76	ug/kg dry	0.76	07/27/06	AR	SW 8081
Heptachlor epoxide	<0.76	ug/kg dry	0.76	07/27/06	AR	SW 8081
delta-BHC	<0.76	ug/kg dry	0.76	07/27/06	AR	SW 8081
Endosulfan I	<3.79	ug/kg dry	3.79	07/27/06	AR	SW 8081
Endosulfan II	<3.79	ug/kg dry	3.79	07/27/06	AR	SW 8081
Endosulfan sulfate	<3.79	ug/kg dry	3.79	07/27/06	AR	SW 8081
Endrin	<3.79	ug/kg dry	3.79	07/27/06	AR	SW 8081
Endrin aldehyde	<3.79	ug/kg dry	3.79	07/27/06	AR	SW 8081
Endrin ketone	<3.79	ug/kg dry	3.79	07/27/06	AR	SW 8081
4,4'-DDD	<3.79	ug/kg dry	3.79	07/27/06	AR	SW 8081
4,4'-DDE	<3.79	ug/kg dry	3.79	07/27/06	AR	SW 8081
4,4'-DDT	<3.79	ug/kg dry	3.79	07/27/06	AR	SW 8081
Methoxychlor	<7.58	ug/kg dry	7.58	07/27/06	AR	SW 8081
Dieldrin	<3.79	ug/kg dry	3.79	07/27/06	AR	SW 8081
Chlordane (technical)	<7.58	ug/kg dry	7.58	07/27/06	AR	SW 8081
Toxaphene	<7.58	ug/kg dry	7.58	07/27/06	AR	SW 8081

Extracted 07/24/06 by Soxhlet Extraction for SW 8082.

Aroclor 1016	<30.3	ug/kg dry	30.3	07/27/06	AR	SW 8082
Aroclor 1221	<30.3	ug/kg dry	30.3	07/27/06	AR	SW 8082
Aroclor 1232	<30.3	ug/kg dry	30.3	07/27/06	AR	SW 8082
Aroclor 1242	<30.3	ug/kg dry	30.3	07/27/06	AR	SW 8082
Aroclor 1248	<30.3	ug/kg dry	30.3	07/27/06	AR	SW 8082
Aroclor 1254	<30.3	ug/kg dry	30.3	07/27/06	AR	SW 8082
Aroclor 1260	<30.3	ug/kg dry	30.3	07/27/06	AR	SW 8082

References

EPA - 40 Code of Federal Regulations, Part 136, October 26, 1984.

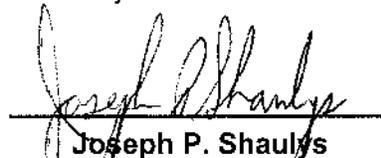
SW - SW 846 3rd Edition.

SM - Standard Methods for the Examination of Water and Wastewater, 18th edition.

LT - Lachat Method Manual, "Methods List for Automated Ion Analyzers", February 2004

New York State ELAP Laboratory ID #10950/EPA Laboratory ID #NY01292/New Jersey DEP Laboratory ID #NY006

Laboratory Director:


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July 28, 2006

Hydro Tech Environmental
 1111 Fulton Street
 Brooklyn, NY 11238

Att: Eva Jakubowska

Sample Description: Soil - 264 North 10th Street Project/ Brooklyn, B-15, 6-8' - 07/19/06
 Sample Collected By: Hydro Tech Environmental
 Purchase Order: Verbal
 Date Samples Received: 7/20/06
 Work Order Number: 0607074
 Lab ID Number: 0607074-30

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Aluminum	4810	mg/kg dry	16.6	07/26/06	DW	SW 6010B
Antimony	15.0	mg/kg dry	0.497	07/26/06	DW	SW 6010B
Arsenic	7.63	mg/kg dry	0.276	07/26/06	DW	SW 6010B
Barium	808	mg/kg dry	1.38	07/26/06	DW	SW 6010B
Beryllium	0.308	mg/kg dry	0.055	07/26/06	DW	SW 6010B
Cadmium	14.8	mg/kg dry	0.055	07/26/06	DW	SW 6010B
Calcium	16500	mg/kg dry	41.4	07/26/06	DW	SW 6010B
Chromium	32.3	mg/kg dry	0.055	07/26/06	DW	SW 6010B
Cobalt	21.8	mg/kg dry	0.055	07/26/06	DW	SW 6010B
Copper	394	mg/kg dry	0.055	07/26/06	DW	SW 6010B
Iron	138000	mg/kg dry	6.91	07/26/06	DW	SW 6010B
Lead	2930	mg/kg dry	4.14	07/26/06	DW	SW 6010B
Magnesium	1300	mg/kg dry	9.67	07/26/06	DW	SW 6010B
Manganese	1090	mg/kg dry	1.38	07/26/06	DW	SW 6010B
Mercury	2.55	mg/kg dry	0.009	07/26/06	DW	SW 7471A
Nickel	36.8	mg/kg dry	0.110	07/26/06	DW	SW 6010B
Potassium	631	mg/kg dry	13.8	07/26/06	DW	SW 6010B
Selenium	<0.552	mg/kg dry	0.552	07/26/06	DW	SW 6010B
Silver	<0.110	mg/kg dry	0.110	07/26/06	DW	SW 6010B
Sodium	49.4	mg/kg dry	0.552	07/26/06	DW	SW 6010B
Thallium	<0.276	mg/kg dry	0.276	07/26/06	DW	SW 6010B
Vanadium	35.1	mg/kg dry	0.110	07/26/06	DW	SW 6010B
Zinc	1220	mg/kg dry	2.76	07/26/06	DW	SW6010B
Acetone	<11.0	ug/kg dry	11.0	07/22/06	VNS	SW 8260B



Lab ID Number: 0607074-30

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Benzene	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
Bromodichloromethane	<5.52	ug/kg dry	5.52	07/22/06	VNS	SW 8260B
Bromoform	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
Bromomethane	<2.21	ug/kg dry	2.21	07/22/06	VNS	SW 8260B
Carbon disulfide	<5.52	ug/kg dry	5.52	07/22/06	VNS	SW 8260B
Carbon Tetrachloride	<2.21	ug/kg dry	2.21	07/22/06	VNS	SW 8260B
Chlorobenzene	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
Chloroethane	<2.21	ug/kg dry	2.21	07/22/06	VNS	SW 8260B
Chloroform	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
Chloromethane	<2.21	ug/kg dry	2.21	07/22/06	VNS	SW 8260B
Dibromochloromethane	<5.52	ug/kg dry	5.52	07/22/06	VNS	SW 8260B
1,3-Dichlorobenzene	<2.21	ug/kg dry	2.21	07/22/06	VNS	SW 8260B
1,2-Dichlorobenzene	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
1,4-Dichlorobenzene	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
1,2-Dichloroethane	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
1,1-Dichloroethane	<2.21	ug/kg dry	2.21	07/22/06	VNS	SW 8260B
trans-1,2-Dichloroethene	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
cis-1,2-Dichloroethene	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
1,1-Dichloroethene	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
1,2-Dichloropropane	<2.21	ug/kg dry	2.21	07/22/06	VNS	SW 8260B
cis-1,3-Dichloropropene	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
trans-1,3-Dichloropropene	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
Ethylbenzene	<2.21	ug/kg dry	2.21	07/22/06	VNS	SW 8260B
Hexachlorobutadiene	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
2-Hexanone	<5.52	ug/kg dry	5.52	07/22/06	VNS	SW 8260B
Methylene Chloride	<11.0	ug/kg dry	11.0	07/22/06	VNS	SW 8260B
Methyl Ethyl Ketone	<2.21	ug/kg dry	2.21	07/22/06	VNS	SW 8260B
Methyl Isobutyl Ketone	<5.52	ug/kg dry	5.52	07/22/06	VNS	SW 8260B
Naphthalene	<2.21	ug/kg dry	2.21	07/22/06	VNS	SW 8260B
Styrene	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
1,1,2,2-Tetrachloroethane	<2.21	ug/kg dry	2.21	07/22/06	VNS	SW 8260B
Tetrachloroethene	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
Toluene	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
1,2,4-Trichlorobenzene	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
1,1,2-Trichloroethane	<2.21	ug/kg dry	2.21	07/22/06	VNS	SW 8260B
1,1,1-Trichloroethane	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
Trichloroethene	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B
Vinyl acetate	<5.52	ug/kg dry	5.52	07/22/06	VNS	SW 8260B
Vinyl chloride	<5.52	ug/kg dry	5.52	07/22/06	VNS	SW 8260B



Lab ID Number: 0607074-30

Analyte	Results	Units	RL	Analyzed	By	Method
m,p-Xylene	<2.21	ug/kg dry	2.21	07/22/06	VNS	SW 8260B
o-Xylene	<1.10	ug/kg dry	1.10	07/22/06	VNS	SW 8260B

Extracted 07/24/06 by Soxhlet Extraction for SW 8270C.

Acenaphthene	492	ug/kg dry	55.2	07/27/06	AR	SW 8270C
Acenaphthylene	404	ug/kg dry	55.2	07/27/06	AR	SW 8270C
Anthracene	1270	ug/kg dry	110	07/27/06	AR	SW 8270C
Benzo (a) anthracene	3140	ug/kg dry	55.2	07/27/06	AR	SW 8270C
Benzo (a) pyrene	3430	ug/kg dry	55.2	07/27/06	AR	SW 8270C
Benzo (b) fluoranthene	3760	ug/kg dry	276	07/27/06	AR	SW 8270C
Benzo (g,h,i) perylene	2010	ug/kg dry	55.2	07/27/06	AR	SW 8270C
Benzo (k) fluoranthene	2760	ug/kg dry	110	07/27/06	AR	SW 8270C
4-Bromophenyl phenyl ether	<55.2	ug/kg dry	55.2	07/27/06	AR	SW 8270C
Butyl benzyl phthalate	<276	ug/kg dry	276	07/27/06	AR	SW 8270C
4-Chloro-3-methylphenol	<110	ug/kg dry	110	07/27/06	AR	SW 8270C
4-Chloroaniline	<276	ug/kg dry	276	07/27/06	AR	SW 8270C
Bis(2-chloroethoxy)methane	<110	ug/kg dry	110	07/27/06	AR	SW 8270C
Bis(2-chloroethyl)ether	<110	ug/kg dry	110	07/27/06	AR	SW 8270C
Bis(2-chloroisopropyl)ether	<110	ug/kg dry	110	07/27/06	AR	SW 8270C
2-Chloronaphthalene	<55.2	ug/kg dry	55.2	07/27/06	AR	SW 8270C
2-Chlorophenol	<110	ug/kg dry	110	07/27/06	AR	SW 8270C
4-Chlorophenyl phenyl ether	<110	ug/kg dry	110	07/27/06	AR	SW 8270C
Chrysene	3240	ug/kg dry	110	07/27/06	AR	SW 8270C
Dibenz (a,h) anthracene	<110	ug/kg dry	110	07/27/06	AR	SW 8270C
Dibenzofuran	298	ug/kg dry	276	07/27/06	AR	SW 8270C
Di-n-butyl phthalate	<110	ug/kg dry	110	07/27/06	AR	SW 8270C
1,4-Dichlorobenzene	<110	ug/kg dry	110	07/27/06	AR	SW 8270C
1,2-Dichlorobenzene	<55.2	ug/kg dry	55.2	07/27/06	AR	SW 8270C
1,3-Dichlorobenzene	<110	ug/kg dry	110	07/27/06	AR	SW 8270C
2,4-Dichlorophenol	<110	ug/kg dry	110	07/27/06	AR	SW 8270C
Diethyl phthalate	<110	ug/kg dry	110	07/27/06	AR	SW 8270C
2,4-Dimethylphenol	<552	ug/kg dry	552	07/27/06	AR	SW 8270C
Dimethyl phthalate	<55.2	ug/kg dry	55.2	07/27/06	AR	SW 8270C
4,6-Dinitro-2-methylphenol	<276	ug/kg dry	276	07/27/06	AR	SW 8270C
2,4-Dinitrophenol	<276	ug/kg dry	276	07/27/06	AR	SW 8270C
3,3'-Dichlorobenzidine	<276	ug/kg dry	276	07/27/06	AR	SW 8270C
2,4-Dinitrotoluene	<110	ug/kg dry	110	07/27/06	AR	SW 8270C
2,6-Dinitrotoluene	<110	ug/kg dry	110	07/27/06	AR	SW 8270C



Lab ID Number: 0607074-30

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Di-n-octyl phthalate	<276	ug/kg dry	276	07/27/06	AR	SW 8270C
Bis(2-ethylhexyl)phthalate	161	ug/kg dry	110	07/27/06	AR	SW 8270C
Fluoranthene	7010	ug/kg dry	55.2	07/27/06	AR	SW 8270C
Fluorene	437	ug/kg dry	110	07/27/06	AR	SW 8270C
Hexachlorobenzene	<110	ug/kg dry	110	07/27/06	AR	SW 8270C
Hexachlorobutadiene	<110	ug/kg dry	110	07/27/06	AR	SW 8270C
Hexachlorocyclopentadiene	<552	ug/kg dry	552	07/27/06	AR	SW 8270C
Hexachloroethane	<110	ug/kg dry	110	07/27/06	AR	SW 8270C
Indeno (1,2,3-cd) pyrene	1370	ug/kg dry	110	07/27/06	AR	SW 8270C
Isophorone	<110	ug/kg dry	110	07/27/06	AR	SW 8270C
2-Methylnaphthalene	130	ug/kg dry	55.2	07/27/06	AR	SW 8270C
2-Methylphenol	<110	ug/kg dry	110	07/27/06	AR	SW 8270C
3 & 4-Methylphenol	<110	ug/kg dry	110	07/27/06	AR	SW 8270C
Naphthalene	246	ug/kg dry	55.2	07/27/06	AR	SW 8270C
2-Nitroaniline	<276	ug/kg dry	276	07/27/06	AR	SW 8270C
4-Nitroaniline	<276	ug/kg dry	276	07/27/06	AR	SW 8270C
3-Nitroaniline	<276	ug/kg dry	276	07/27/06	AR	SW 8270C
Nitrobenzene	<110	ug/kg dry	110	07/27/06	AR	SW 8270C
4-Nitrophenol	<276	ug/kg dry	276	07/27/06	AR	SW 8270C
2-Nitrophenol	<276	ug/kg dry	276	07/27/06	AR	SW 8270C
N-Nitrosodiphenylamine	<110	ug/kg dry	110	07/27/06	AR	SW 8270C
N-Nitrosodi-n-propylamine	<110	ug/kg dry	110	07/27/06	AR	SW 8270C
Pentachlorophenol	<276	ug/kg dry	276	07/27/06	AR	SW 8270C
Phenanthrene	5570	ug/kg dry	110	07/27/06	AR	SW 8270C
Phenol	<110	ug/kg dry	110	07/27/06	AR	SW 8270C
Pyrene	5960	ug/kg dry	110	07/27/06	AR	SW 8270C
1,2,4-Trichlorobenzene	<55.2	ug/kg dry	55.2	07/27/06	AR	SW 8270C
2,4,5-Trichlorophenol	<110	ug/kg dry	110	07/27/06	AR	SW 8270C
2,4,6-Trichlorophenol	<55.2	ug/kg dry	55.2	07/27/06	AR	SW 8270C



Lab ID Number: 0607074-30

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Extracted 07/24/06 by Soxhlet Extraction for SW 8081.						
alpha-BHC	<0.55	ug/kg dry	0.55	07/27/06	AR	SW 8081
alpha-Chlordane	<0.55	ug/kg dry	0.55	07/27/06	AR	SW 8081
beta-BHC	<0.55	ug/kg dry	0.55	07/27/06	AR	SW 8081
Aldrin	<0.55	ug/kg dry	0.55	07/27/06	AR	SW 8081
gamma-BHC (Lindane)	<0.55	ug/kg dry	0.55	07/27/06	AR	SW 8081
gamma-Chlordane	<0.55	ug/kg dry	0.55	07/27/06	AR	SW 8081
Heptachlor	<0.55	ug/kg dry	0.55	07/27/06	AR	SW 8081
Heptachlor epoxide	<0.55	ug/kg dry	0.55	07/27/06	AR	SW 8081
delta-BHC	<0.55	ug/kg dry	0.55	07/27/06	AR	SW 8081
Endosulfan I	<2.76	ug/kg dry	2.76	07/27/06	AR	SW 8081
Endosulfan II	<2.76	ug/kg dry	2.76	07/27/06	AR	SW 8081
Endosulfan sulfate	<2.76	ug/kg dry	2.76	07/27/06	AR	SW 8081
Endrin	<2.76	ug/kg dry	2.76	07/27/06	AR	SW 8081
Endrin aldehyde	<2.76	ug/kg dry	2.76	07/27/06	AR	SW 8081
Endrin ketone	<2.76	ug/kg dry	2.76	07/27/06	AR	SW 8081
4,4'-DDD	<2.76	ug/kg dry	2.76	07/27/06	AR	SW 8081
4,4'-DDE	<2.76	ug/kg dry	2.76	07/27/06	AR	SW 8081
4,4'-DDT	<2.76	ug/kg dry	2.76	07/27/06	AR	SW 8081
Methoxychlor	<5.52	ug/kg dry	5.52	07/27/06	AR	SW 8081
Dieldrin	<2.76	ug/kg dry	2.76	07/27/06	AR	SW 8081
Chlordane (technical)	<5.52	ug/kg dry	5.52	07/27/06	AR	SW 8081
Toxaphene	<5.52	ug/kg dry	5.52	07/27/06	AR	SW 8081

Extracted 07/24/06 by Soxhlet Extraction for SW 8082.

Aroclor 1016	<22.1	ug/kg dry	22.1	07/27/06	AR	SW 8082
Aroclor 1221	<22.1	ug/kg dry	22.1	07/27/06	AR	SW 8082
Aroclor 1232	<22.1	ug/kg dry	22.1	07/27/06	AR	SW 8082
Aroclor 1242	<22.1	ug/kg dry	22.1	07/27/06	AR	SW 8082
Aroclor 1248	<22.1	ug/kg dry	22.1	07/27/06	AR	SW 8082
Aroclor 1254	<22.1	ug/kg dry	22.1	07/27/06	AR	SW 8082
Aroclor 1260	<22.1	ug/kg dry	22.1	07/27/06	AR	SW 8082

References

EPA - 40 Code of Federal Regulations, Part 136, October 26, 1984.

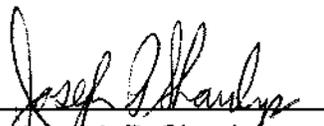
SW - SW 846 3rd Edition.

SM - Standard Methods for the Examination of Water and Wastewater, 18th edition.

LT - Lachat Method Manual, "Methods List for Automated Ion Analyzers", February 2004

New York State ELAP Laboratory ID #10950/EPA Laboratory ID #NY01292/New Jersey DEP Laboratory ID #NY006

Laboratory Director:


Joseph P. Shaulys



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July 28, 2006

Hydro Tech Environmental
 1111 Fulton Street
 Brooklyn, NY 11238

Att: Eva Jakubowska

Sample Description: Water - 264 North 10th Street Project/ Brooklyn, GW-1 - 07/17/06
 Sample Collected By: Hydro Tech Environmental
 Purchase Order: Verbal
 Date Samples Received: 7/20/06
 Work Order Number: 0607074
 Lab ID Number: 0607074-31

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Aluminum	109	mg/L	0.121	07/21/06	DW	SW 6010B
Antimony	0.058	mg/L	0.009	07/21/06	DW	SW 6010B
Arsenic	0.200	mg/L	0.005	07/21/06	DW	SW 6010B
Barium	3.89	mg/L	0.010	07/21/06	DW	SW 6010B
Beryllium	0.014	mg/L	0.001	07/21/06	DW	SW 6010B
Cadmium	0.067	mg/L	0.001	07/21/06	DW	SW 6010B
Calcium	340	mg/L	0.300	07/21/06	DW	SW 6010B
Chromium	0.973	mg/L	0.002	07/21/06	DW	SW 6010B
Cobalt	0.146	mg/L	0.001	07/21/06	DW	SW 6010B
Copper	0.621	mg/L	0.004	07/21/06	DW	SW 6010B
Iron	525	mg/L	0.040	07/21/06	DW	SW 6010B
Lead	27.1	mg/L	0.030	07/21/06	DW	SW 6010B
Magnesium	82.1	mg/L	0.070	07/21/06	DW	EPA 6010B
Manganese	8.84	mg/L	0.001	07/21/06	DW	SW 6010B
Mercury	49.5	ug/L	3.00	07/21/06	DW	SW 7470A
Nickel	0.609	mg/L	0.002	07/21/06	DW	SW 6010B
Potassium	44.8	mg/L	0.100	07/21/06	DW	SW 6010B
Selenium	<0.010	mg/L	0.010	07/21/06	DW	SW 6010B
Silver	<0.002	mg/L	0.002	07/21/06	DW	SW 6010B
Sodium	82.1	mg/L	0.100	07/21/06	DW	SW 6010B
Thallium	<0.005	mg/L	0.005	07/21/06	DW	SW 6010B
Vanadium	0.773	mg/L	0.002	07/21/06	DW	SW 6010B
Zinc	12.4	mg/L	0.020	07/21/06	DW	SW 6010B
Acetone	<10.0	ug/L	10.0	07/24/06	VNS	SW 8260B



Lab ID Number: 0607074-31

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Benzene	<1.00	ug/L	1.00	07/24/06	VNS	SW 8260B
Bromodichloromethane	<5.00	ug/L	5.00	07/24/06	VNS	SW 8260B
Bromoform	<1.00	ug/L	1.00	07/24/06	VNS	SW 8260B
Bromomethane	<2.00	ug/L	2.00	07/24/06	VNS	SW 8260B
Carbon disulfide	<5.00	ug/L	5.00	07/24/06	VNS	SW 8260B
Carbon Tetrachloride	<2.00	ug/L	2.00	07/24/06	VNS	SW 8260B
Chlorobenzene	<1.00	ug/L	1.00	07/24/06	VNS	SW 8260B
Chloroethane	<2.00	ug/L	2.00	07/24/06	VNS	SW 8260B
Chloroform	<1.00	ug/L	1.00	07/24/06	VNS	SW 8260B
Chloromethane	<2.00	ug/L	2.00	07/24/06	VNS	SW 8260B
Dibromochloromethane	<5.00	ug/L	5.00	07/24/06	VNS	SW 8260B
1,3-Dichlorobenzene	<2.00	ug/L	2.00	07/24/06	VNS	SW 8260B
1,4-Dichlorobenzene	<1.00	ug/L	1.00	07/24/06	VNS	SW 8260B
1,2-Dichlorobenzene	<1.00	ug/L	1.00	07/24/06	VNS	SW 8260B
1,1-Dichloroethane	<2.00	ug/L	2.00	07/24/06	VNS	SW 8260B
1,2-Dichloroethane	<1.00	ug/L	1.00	07/24/06	VNS	SW 8260B
1,1-Dichloroethene	<1.00	ug/L	1.00	07/24/06	VNS	SW 8260B
trans-1,2-Dichloroethene	<1.00	ug/L	1.00	07/24/06	VNS	SW 8260B
cis-1,2-Dichloroethene	<1.00	ug/L	1.00	07/24/06	VNS	SW 8260B
1,2-Dichloropropane	<2.00	ug/L	2.00	07/24/06	VNS	SW 8260B
1,3-Dichloropropane	<1.00	ug/L	1.00	07/24/06	VNS	SW 8260B
trans-1,3-Dichloropropene	<1.00	ug/L	1.00	07/24/06	VNS	SW 8260B
cis-1,3-Dichloropropene	<1.00	ug/L	1.00	07/24/06	VNS	SW 8260B
Ethylbenzene	<2.00	ug/L	2.00	07/24/06	VNS	SW 8260B
Hexachlorobutadiene	<1.00	ug/L	1.00	07/24/06	VNS	SW 8260B
2-Hexanone	<5.00	ug/L	5.00	07/24/06	VNS	SW 8260B
Methylene Chloride	<10.0	ug/L	10.0	07/24/06	VNS	SW 8260B
Methyl Ethyl Ketone	<2.00	ug/L	2.00	07/24/06	VNS	SW 8260B
Methyl Isobutyl Ketone	<5.00	ug/L	5.00	07/24/06	VNS	SW 8260B
Naphthalene	<2.00	ug/L	2.00	07/24/06	VNS	SW 8260B
Styrene	<1.00	ug/L	1.00	07/24/06	VNS	SW 8260B
1,1,2,2-Tetrachloroethane	<2.00	ug/L	2.00	07/24/06	VNS	SW 8260B
Tetrachloroethene	<1.00	ug/L	1.00	07/24/06	VNS	SW 8260B
Toluene	1.96	ug/L	1.00	07/24/06	VNS	SW 8260B
1,2,4-Trichlorobenzene	<1.00	ug/L	1.00	07/24/06	VNS	SW 8260B
1,1,2-Trichloroethane	<2.00	ug/L	2.00	07/24/06	VNS	SW 8260B
1,1,1-Trichloroethane	<1.00	ug/L	1.00	07/24/06	VNS	SW 8260B
Trichloroethene	<1.00	ug/L	1.00	07/24/06	VNS	SW 8260B
Vinyl acetate	<5.00	ug/L	5.00	07/24/06	VNS	SW 8260B



Lab ID Number: 0607074-31

Analyte	Results	Units	RL	Analyzed	By	Method
Vinyl chloride	<5.00	ug/L	5.00	07/24/06	VNS	SW 8260B
m,p-Xylene	<2.00	ug/L	2.00	07/24/06	VNS	SW 8260B
o-Xylene	<1.00	ug/L	1.00	07/24/06	VNS	SW 8260B

Extracted 07/22/06 by Separatory Funnel Extraction for SW 8270C.

Acenaphthene	3.26	ug/L	1.00	07/28/06	AR	SW 8270C
Acenaphthylene	<1.00	ug/L	1.00	07/28/06	AR	SW 8270C
Anthracene	2.06	ug/L	2.00	07/28/06	AR	SW 8270C
Benzo (a) anthracene	1.21	ug/L	1.00	07/28/06	AR	SW 8270C
Benzo (a) pyrene	<1.00	ug/L	1.00	07/28/06	AR	SW 8270C
Benzo (b) fluoranthene	<5.00	ug/L	5.00	07/28/06	AR	SW 8270C
Benzo (g,h,i) perylene	<1.00	ug/L	1.00	07/28/06	AR	SW 8270C
Benzo (k) fluoranthene	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
4-Bromophenyl phenyl ether	<1.00	ug/L	1.00	07/28/06	AR	SW 8270C
Butyl benzyl phthalate	<5.00	ug/L	5.00	07/28/06	AR	SW 8270C
4-Chloro-3-methylphenol	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
4-Chloroaniline	<5.00	ug/L	5.00	07/28/06	AR	SW 8270C
Bis(2-chloroethoxy)methane	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
Bis(2-chloroethyl)ether	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
Bis(2-chloroisopropyl)ether	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
2-Chloronaphthalene	<1.00	ug/L	1.00	07/28/06	AR	SW 8270C
2-Chlorophenol	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
4-Chlorophenyl phenyl ether	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
Chrysene	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
Dibenz (a,h) anthracene	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
Dibenzofuran	<5.00	ug/L	5.00	07/28/06	AR	SW 8270C
Di-n-butyl phthalate	3.17	ug/L	2.00	07/28/06	AR	SW 8270C
1,4-Dichlorobenzene	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
1,2-Dichlorobenzene	<1.00	ug/L	1.00	07/28/06	AR	SW 8270C
1,3-Dichlorobenzene	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
2,4-Dichlorophenol	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
Diethyl phthalate	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
2,4-Dimethylphenol	<10.0	ug/L	10.0	07/28/06	AR	SW 8270C
Dimethyl phthalate	<1.00	ug/L	1.00	07/28/06	AR	SW 8270C
4,6-Dinitro-2-methylphenol	<5.00	ug/L	5.00	07/28/06	AR	SW 8270C
2,4-Dinitrophenol	<5.00	ug/L	5.00	07/28/06	AR	SW 8270C
3,3'-Dichlorobenzidine	<5.00	ug/L	5.00	07/28/06	AR	SW 8270C
2,4-Dinitrotoluene	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C



Lab ID Number: 0607074-31

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
2,6-Dinitrotoluene	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
Di-n-octyl phthalate	<5.00	ug/L	5.00	07/28/06	AR	SW 8270C
Bis(2-ethylhexyl)phthalate	3.71	ug/L	2.00	07/28/06	AR	SW 8270C
Fluoranthene	8.02	ug/L	1.00	07/28/06	AR	SW 8270C
Fluorene	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
Hexachlorobenzene	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
Hexachlorobutadiene	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
Hexachlorocyclopentadiene	<10.0	ug/L	10.0	07/28/06	AR	SW 8270C
Hexachloroethane	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
Indeno (1,2,3-cd) pyrene	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
Isophorone	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
2-Methylnaphthalene	<1.00	ug/L	1.00	07/28/06	AR	SW 8270C
2-Methylphenol	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
3 & 4-Methylphenol	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
Naphthalene	<1.00	ug/L	1.00	07/28/06	AR	SW 8270C
2-Nitroaniline	<5.00	ug/L	5.00	07/28/06	AR	SW 8270C
4-Nitroaniline	<5.00	ug/L	5.00	07/28/06	AR	SW 8270C
3-Nitroaniline	<5.00	ug/L	5.00	07/28/06	AR	SW 8270C
Nitrobenzene	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
4-Nitrophenol	<5.00	ug/L	5.00	07/28/06	AR	SW 8270C
2-Nitrophenol	<5.00	ug/L	5.00	07/28/06	AR	SW 8270C
N-Nitrosodiphenylamine	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
N-Nitrosodi-n-propylamine	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
Pentachlorophenol	<5.00	ug/L	5.00	07/28/06	AR	SW 8270C
Phenanthrene	2.32	ug/L	2.00	07/28/06	AR	SW 8270C
Phenol	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
Pyrene	5.12	ug/L	2.00	07/28/06	AR	SW 8270C
1,2,4-Trichlorobenzene	<1.00	ug/L	1.00	07/28/06	AR	SW 8270C
2,4,5-Trichlorophenol	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
2,4,6-Trichlorophenol	<1.00	ug/L	1.00	07/28/06	AR	SW 8270C



Lab ID Number: 0607074-31

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Extracted 07/22/06 by Separatory Funnel Extraction for SW 8081.						
alpha-BHC	<0.01	ug/L	0.01	07/28/06	AR	SW 8081
alpha-Chlordane	<0.01	ug/L	0.01	07/28/06	AR	SW 8081
beta-BHC	<0.01	ug/L	0.01	07/28/06	AR	SW 8081
Aldrin	<0.01	ug/L	0.01	07/28/06	AR	SW 8081
gamma-BHC (Lindane)	<0.01	ug/L	0.01	07/28/06	AR	SW 8081
gamma-Chlordane	<0.01	ug/L	0.01	07/28/06	AR	SW 8081
Heptachlor	<0.01	ug/L	0.01	07/28/06	AR	SW 8081
Heptachlor epoxide	<0.01	ug/L	0.01	07/28/06	AR	SW 8081
delta-BHC	<0.01	ug/L	0.01	07/28/06	AR	SW 8081
Endosulfan I	<0.05	ug/L	0.05	07/28/06	AR	SW 8081
Endosulfan II	<0.05	ug/L	0.05	07/28/06	AR	SW 8081
Endosulfan sulfate	<0.05	ug/L	0.05	07/28/06	AR	SW 8081
Endrin	<0.05	ug/L	0.05	07/28/06	AR	SW 8081
Endrin aldehyde	<0.05	ug/L	0.05	07/28/06	AR	SW 8081
Endrin ketone	<0.05	ug/L	0.05	07/28/06	AR	SW 8081
4,4'-DDD	<0.05	ug/L	0.05	07/28/06	AR	SW 8081
4,4'-DDE	<0.05	ug/L	0.05	07/28/06	AR	SW 8081
4,4'-DDT	<0.05	ug/L	0.05	07/28/06	AR	SW 8081
Methoxychlor	<0.10	ug/L	0.10	07/28/06	AR	SW 8081
Dieldrin	<0.05	ug/L	0.05	07/28/06	AR	SW 8081
Chlordane (technical)	<0.10	ug/L	0.10	07/28/06	AR	SW 8081
Toxaphene	<0.10	ug/L	0.10	07/28/06	AR	SW 8081

Extracted 07/22/06 by Separatory Funnel Extraction for SW 8082.

Aroclor 1016	<0.400	ug/L	0.400	07/28/06	AR	SW 8082
Aroclor 1221	<0.400	ug/L	0.400	07/28/06	AR	SW 8082
Aroclor 1232	<0.400	ug/L	0.400	07/28/06	AR	SW 8082
Aroclor 1242	<0.400	ug/L	0.400	07/28/06	AR	SW 8082
Aroclor 1248	<0.400	ug/L	0.400	07/28/06	AR	SW 8082
Aroclor 1254	<0.400	ug/L	0.400	07/28/06	AR	SW 8082
Aroclor 1260	<0.400	ug/L	0.400	07/28/06	AR	SW 8082

References

EPA - 40 Code of Federal Regulations, Part 136, October 26, 1984.

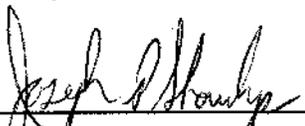
SW - SW 846 3rd Edition.

SM - Standard Methods for the Examination of Water and Wastewater, 18th edition.

LT - Lachat Method Manual, "Methods List for Automated Ion Analyzers", February 2004

New York State ELAP Laboratory ID #10950/EPA Laboratory ID #NY01292/New Jersey DEP Laboratory ID #NY006

Laboratory Director:


Joseph P. Shaulys



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July 28, 2006

Hydro Tech Environmental
 1111 Fulton Street
 Brooklyn, NY 11238

Att: Eva Jakubowska

Sample Description: Water - 264 North 10th Street Project/ Brooklyn, GW-9 - 07/17/06
 Sample Collected By: Hydro Tech Environmental
 Purchase Order: Verbal
 Date Samples Received: 7/20/06
 Work Order Number: 0607074
 Lab ID Number: 0607074-32

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Aluminum	14.7	mg/L	0.121	07/21/06	DW	SW 6010B
Antimony	<0.009	mg/L	0.009	07/21/06	DW	SW 6010B
Arsenic	0.055	mg/L	0.005	07/21/06	DW	SW 6010B
Barium	1.90	mg/L	0.001	07/21/06	DW	SW 6010B
Beryllium	0.001	mg/L	0.001	07/21/06	DW	SW 6010B
Cadmium	0.009	mg/L	0.001	07/21/06	DW	SW 6010B
Calcium	211	mg/L	0.300	07/21/06	DW	SW 6010B
Chromium	0.060	mg/L	0.002	07/21/06	DW	SW 6010B
Cobalt	0.022	mg/L	0.001	07/21/06	DW	SW 6010B
Copper	0.593	mg/L	0.004	07/21/06	DW	SW 6010B
Iron	75.7	mg/L	0.040	07/21/06	DW	SW 6010B
Lead	3.69	mg/L	0.003	07/21/06	DW	SW 6010B
Magnesium	42.2	mg/L	0.070	07/21/06	DW	EPA 6010B
Manganese	1.55	mg/L	0.001	07/21/06	DW	SW 6010B
Mercury	99.5	ug/L	3.00	07/21/06	DW	SW 7470A
Nickel	0.048	mg/L	0.002	07/21/06	DW	SW 6010B
Potassium	36.4	mg/L	0.100	07/21/06	DW	SW 6010B
Selenium	<0.010	mg/L	0.010	07/21/06	DW	SW 6010B
Silver	<0.002	mg/L	0.002	07/21/06	DW	SW 6010B
Sodium	130	mg/L	0.100	07/21/06	DW	SW 6010B
Thallium	<0.005	mg/L	0.005	07/21/06	DW	SW 6010B
Vanadium	0.109	mg/L	0.002	07/21/06	DW	SW 6010B
Zinc	4.14	mg/L	0.002	07/21/06	DW	SW 6010B
Acetone	<10.0	ug/L	10.0	07/24/06	VNS	SW 8260B



Lab ID Number: 0607074-32

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Benzene	<1.00	ug/L	1.00	07/24/06	VNS	SW 8260B
Bromodichloromethane	<5.00	ug/L	5.00	07/24/06	VNS	SW 8260B
Bromoform	<1.00	ug/L	1.00	07/24/06	VNS	SW 8260B
Bromomethane	<2.00	ug/L	2.00	07/24/06	VNS	SW 8260B
Carbon disulfide	<5.00	ug/L	5.00	07/24/06	VNS	SW 8260B
Carbon Tetrachloride	<2.00	ug/L	2.00	07/24/06	VNS	SW 8260B
Chlorobenzene	<1.00	ug/L	1.00	07/24/06	VNS	SW 8260B
Chloroethane	<2.00	ug/L	2.00	07/24/06	VNS	SW 8260B
Chloroform	<1.00	ug/L	1.00	07/24/06	VNS	SW 8260B
Chloromethane	<2.00	ug/L	2.00	07/24/06	VNS	SW 8260B
Dibromochloromethane	<5.00	ug/L	5.00	07/24/06	VNS	SW 8260B
1,3-Dichlorobenzene	<2.00	ug/L	2.00	07/24/06	VNS	SW 8260B
1,4-Dichlorobenzene	<1.00	ug/L	1.00	07/24/06	VNS	SW 8260B
1,2-Dichlorobenzene	<1.00	ug/L	1.00	07/24/06	VNS	SW 8260B
1,1-Dichloroethane	<2.00	ug/L	2.00	07/24/06	VNS	SW 8260B
1,2-Dichloroethane	<1.00	ug/L	1.00	07/24/06	VNS	SW 8260B
1,1-Dichloroethene	<1.00	ug/L	1.00	07/24/06	VNS	SW 8260B
trans-1,2-Dichloroethene	<1.00	ug/L	1.00	07/24/06	VNS	SW 8260B
cis-1,2-Dichloroethene	<1.00	ug/L	1.00	07/24/06	VNS	SW 8260B
1,2-Dichloropropane	<2.00	ug/L	2.00	07/24/06	VNS	SW 8260B
1,3-Dichloropropane	<1.00	ug/L	1.00	07/24/06	VNS	SW 8260B
trans-1,3-Dichloropropene	<1.00	ug/L	1.00	07/24/06	VNS	SW 8260B
cis-1,3-Dichloropropene	<1.00	ug/L	1.00	07/24/06	VNS	SW 8260B
Ethylbenzene	<2.00	ug/L	2.00	07/24/06	VNS	SW 8260B
Hexachlorobutadiene	<1.00	ug/L	1.00	07/24/06	VNS	SW 8260B
2-Hexanone	<5.00	ug/L	5.00	07/24/06	VNS	SW 8260B
Methylene Chloride	<10.0	ug/L	10.0	07/24/06	VNS	SW 8260B
Methyl Ethyl Ketone	<2.00	ug/L	2.00	07/24/06	VNS	SW 8260B
Methyl Isobutyl Ketone	<5.00	ug/L	5.00	07/24/06	VNS	SW 8260B
Naphthalene	<2.00	ug/L	2.00	07/24/06	VNS	SW 8260B
Styrene	<1.00	ug/L	1.00	07/24/06	VNS	SW 8260B
1,1,2,2-Tetrachloroethane	<2.00	ug/L	2.00	07/24/06	VNS	SW 8260B
Tetrachloroethene	<1.00	ug/L	1.00	07/24/06	VNS	SW 8260B
Toluene	<1.00	ug/L	1.00	07/24/06	VNS	SW 8260B
1,2,4-Trichlorobenzene	<1.00	ug/L	1.00	07/24/06	VNS	SW 8260B
1,1,2-Trichloroethane	<2.00	ug/L	2.00	07/24/06	VNS	SW 8260B
1,1,1-Trichloroethane	<1.00	ug/L	1.00	07/24/06	VNS	SW 8260B
Trichloroethene	<1.00	ug/L	1.00	07/24/06	VNS	SW 8260B
Vinyl acetate	<5.00	ug/L	5.00	07/24/06	VNS	SW 8260B



Lab ID Number: 0607074-32

Analyte	Results	Units	RL	Analyzed	By	Method
Vinyl chloride	<5.00	ug/L	5.00	07/24/06	VNS	SW 8260B
m,p-Xylene	<2.00	ug/L	2.00	07/24/06	VNS	SW 8260B
o-Xylene	<1.00	ug/L	1.00	07/24/06	VNS	SW 8260B

Extracted 07/22/06 by Separatory Funnel Extraction for SW 8270C.

Acenaphthene	<1.00	ug/L	1.00	07/28/06	AR	SW 8270C
Acenaphthylene	<1.00	ug/L	1.00	07/28/06	AR	SW 8270C
Anthracene	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
Benzo (a) anthracene	<1.00	ug/L	1.00	07/28/06	AR	SW 8270C
Benzo (a) pyrene	<1.00	ug/L	1.00	07/28/06	AR	SW 8270C
Benzo (b) fluoranthene	<5.00	ug/L	5.00	07/28/06	AR	SW 8270C
Benzo (g,h,i) perylene	<1.00	ug/L	1.00	07/28/06	AR	SW 8270C
Benzo (k) fluoranthene	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
4-Bromophenyl phenyl ether	<1.00	ug/L	1.00	07/28/06	AR	SW 8270C
Butyl benzyl phthalate	<5.00	ug/L	5.00	07/28/06	AR	SW 8270C
4-Chloro-3-methylphenol	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
4-Chloroaniline	<5.00	ug/L	5.00	07/28/06	AR	SW 8270C
Bis(2-chloroethoxy)methane	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
Bis(2-chloroethyl)ether	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
Bis(2-chloroisopropyl)ether	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
2-Chloronaphthalene	<1.00	ug/L	1.00	07/28/06	AR	SW 8270C
2-Chlorophenol	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
4-Chlorophenyl phenyl ether	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
Chrysene	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
Dibenz (a,h) anthracene	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
Dibenzofuran	<5.00	ug/L	5.00	07/28/06	AR	SW 8270C
Di-n-butyl phthalate	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
1,4-Dichlorobenzene	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
1,2-Dichlorobenzene	<1.00	ug/L	1.00	07/28/06	AR	SW 8270C
1,3-Dichlorobenzene	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
2,4-Dichlorophenol	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
Diethyl phthalate	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
2,4-Dimethylphenol	<10.0	ug/L	10.0	07/28/06	AR	SW 8270C
Dimethyl phthalate	<1.00	ug/L	1.00	07/28/06	AR	SW 8270C
4,6-Dinitro-2-methylphenol	<5.00	ug/L	5.00	07/28/06	AR	SW 8270C
2,4-Dinitrophenol	<5.00	ug/L	5.00	07/28/06	AR	SW 8270C
3,3'-Dichlorobenzidine	<5.00	ug/L	5.00	07/28/06	AR	SW 8270C
2,4-Dinitrotoluene	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C

Lab ID Number: 0607074-32

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
2,6-Dinitrotoluene	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
Di-n-octyl phthalate	<5.00	ug/L	5.00	07/28/06	AR	SW 8270C
Bis(2-ethylhexyl)phthalate	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
Fluoranthene	<1.00	ug/L	1.00	07/28/06	AR	SW 8270C
Fluorene	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
Hexachlorobenzene	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
Hexachlorobutadiene	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
Hexachlorocyclopentadiene	<10.0	ug/L	10.0	07/28/06	AR	SW 8270C
Hexachloroethane	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
Indeno (1,2,3-cd) pyrene	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
Isophorone	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
2-Methylnaphthalene	<1.00	ug/L	1.00	07/28/06	AR	SW 8270C
2-Methylphenol	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
3 & 4-Methylphenol	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
Naphthalene	<1.00	ug/L	1.00	07/28/06	AR	SW 8270C
2-Nitroaniline	<5.00	ug/L	5.00	07/28/06	AR	SW 8270C
4-Nitroaniline	<5.00	ug/L	5.00	07/28/06	AR	SW 8270C
3-Nitroaniline	<5.00	ug/L	5.00	07/28/06	AR	SW 8270C
Nitrobenzene	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
4-Nitrophenol	<5.00	ug/L	5.00	07/28/06	AR	SW 8270C
2-Nitrophenol	<5.00	ug/L	5.00	07/28/06	AR	SW 8270C
N-Nitrosodiphenylamine	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
N-Nitrosodi-n-propylamine	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
Pentachlorophenol	<5.00	ug/L	5.00	07/28/06	AR	SW 8270C
Phenanthrene	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
Phenol	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
Pyrene	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
1,2,4-Trichlorobenzene	<1.00	ug/L	1.00	07/28/06	AR	SW 8270C
2,4,5-Trichlorophenol	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
2,4,6-Trichlorophenol	<1.00	ug/L	1.00	07/28/06	AR	SW 8270C



Lab ID Number: 0607074-32

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Extracted 07/22/06 by Separatory Funnel Extraction for SW 8081.						
alpha-BHC	<0.01	ug/L	0.01	07/28/06	AR	SW 8081
alpha-Chlordane	<0.01	ug/L	0.01	07/28/06	AR	SW 8081
beta-BHC	<0.01	ug/L	0.01	07/28/06	AR	SW 8081
Aldrin	<0.01	ug/L	0.01	07/28/06	AR	SW 8081
gamma-BHC (Lindane)	<0.01	ug/L	0.01	07/28/06	AR	SW 8081
gamma-Chlordane	<0.01	ug/L	0.01	07/28/06	AR	SW 8081
Heptachlor	<0.01	ug/L	0.01	07/28/06	AR	SW 8081
Heptachlor epoxide	<0.01	ug/L	0.01	07/28/06	AR	SW 8081
delta-BHC	<0.01	ug/L	0.01	07/28/06	AR	SW 8081
Endosulfan I	<0.05	ug/L	0.05	07/28/06	AR	SW 8081
Endosulfan II	<0.05	ug/L	0.05	07/28/06	AR	SW 8081
Endosulfan sulfate	<0.05	ug/L	0.05	07/28/06	AR	SW 8081
Endrin	<0.05	ug/L	0.05	07/28/06	AR	SW 8081
Endrin aldehyde	<0.05	ug/L	0.05	07/28/06	AR	SW 8081
Endrin ketone	<0.05	ug/L	0.05	07/28/06	AR	SW 8081
4,4'-DDD	<0.05	ug/L	0.05	07/28/06	AR	SW 8081
4,4'-DDE	<0.05	ug/L	0.05	07/28/06	AR	SW 8081
4,4'-DDT	<0.05	ug/L	0.05	07/28/06	AR	SW 8081
Methoxychlor	<0.10	ug/L	0.10	07/28/06	AR	SW 8081
Dieldrin	<0.05	ug/L	0.05	07/28/06	AR	SW 8081
Chlordane (technical)	<0.10	ug/L	0.10	07/28/06	AR	SW 8081
Toxaphene	<0.10	ug/L	0.10	07/28/06	AR	SW 8081

Extracted 07/22/06 by Separatory Funnel Extraction for SW 8082.

Aroclor 1016	<0.400	ug/L	0.400	07/28/06	AR	SW 8082
Aroclor 1221	<0.400	ug/L	0.400	07/28/06	AR	SW 8082
Aroclor 1232	<0.400	ug/L	0.400	07/28/06	AR	SW 8082
Aroclor 1242	<0.400	ug/L	0.400	07/28/06	AR	SW 8082
Aroclor 1248	<0.400	ug/L	0.400	07/28/06	AR	SW 8082
Aroclor 1254	<0.400	ug/L	0.400	07/28/06	AR	SW 8082
Aroclor 1260	<0.400	ug/L	0.400	07/28/06	AR	SW 8082

References

EPA - 40 Code of Federal Regulations, Part 136, October 26, 1984.

SW - SW 846 3rd Edition.

SM - Standard Methods for the Examination of Water and Wastewater, 18th edition.

LT - Lachat Method Manual, "Methods List for Automated Ion Analyzers", February 2004

New York State ELAP Laboratory ID #10950/EPA Laboratory ID #NY01292/New Jersey DEP Laboratory ID #NY006

Laboratory Director:



Joseph P. Shaulys



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 (516) 293-2191 • FAX (516) 293-3152
 Email: Info@SouthMallLabs.com
 Website: www.SouthMallLabs.com

July 28, 2006

Hydro Tech Environmental
 1111 Fulton Street
 Brooklyn, NY 11238

Att: Eva Jakubowska

Sample Description: Water - 264 North 10th Street Project/ Brooklyn, GW-12 - 07/17/06
 Sample Collected By: Hydro Tech Environmental
 Purchase Order: Verbal
 Date Samples Received: 7/20/06
 Work Order Number: 0607074
 Lab ID Number: 0607074-33

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Aluminum	48.8	mg/L	0.121	07/21/06	DW	SW 6010B
Antimony	0.014	mg/L	0.009	07/21/06	DW	SW 6010B
Arsenic	0.180	mg/L	0.005	07/21/06	DW	SW 6010B
Barium	3.75	mg/L	0.010	07/21/06	DW	SW 6010B
Beryllium	0.006	mg/L	0.001	07/21/06	DW	SW 6010B
Cadmium	0.020	mg/L	0.001	07/21/06	DW	SW 6010B
Calcium	292	mg/L	0.300	07/21/06	DW	SW 6010B
Chromium	0.285	mg/L	0.002	07/21/06	DW	SW 6010B
Cobalt	0.059	mg/L	0.001	07/21/06	DW	SW 6010B
Copper	1.44	mg/L	0.004	07/21/06	DW	SW 6010B
Iron	163	mg/L	0.040	07/21/06	DW	SW 6010B
Lead	13.6	mg/L	0.030	07/21/06	DW	SW 6010B
Magnesium	52.3	mg/L	0.070	07/21/06	DW	EPA 6010B
Manganese	3.05	mg/L	0.001	07/21/06	DW	SW 6010B
Mercury	242	ug/L	6.00	07/21/06	DW	SW 7470A
Nickel	0.211	mg/L	0.002	07/21/06	DW	SW 6010B
Potassium	38.8	mg/L	0.100	07/21/06	DW	SW 6010B
Selenium	<0.010	mg/L	0.010	07/21/06	DW	SW 6010B
Silver	<0.002	mg/L	0.002	07/21/06	DW	SW 6010B
Sodium	131	mg/L	0.100	07/21/06	DW	SW 6010B
Thallium	<0.005	mg/L	0.005	07/21/06	DW	SW 6010B
Vanadium	0.343	mg/L	0.002	07/21/06	DW	SW 6010B
Zinc	16.6	mg/L	0.020	07/21/06	DW	SW 6010B
Acetone	<10.0	ug/L	10.0	07/24/06	VNS	SW 8260B

Lab ID Number: 0607074-33

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Benzene	<1.00	ug/L	1.00	07/24/06	VNS	SW 8260B
Bromodichloromethane	<5.00	ug/L	5.00	07/24/06	VNS	SW 8260B
Bromoform	<1.00	ug/L	1.00	07/24/06	VNS	SW 8260B
Bromomethane	<2.00	ug/L	2.00	07/24/06	VNS	SW 8260B
Carbon disulfide	<5.00	ug/L	5.00	07/24/06	VNS	SW 8260B
Carbon Tetrachloride	<2.00	ug/L	2.00	07/24/06	VNS	SW 8260B
Chlorobenzene	<1.00	ug/L	1.00	07/24/06	VNS	SW 8260B
Chloroethane	<2.00	ug/L	2.00	07/24/06	VNS	SW 8260B
Chloroform	<1.00	ug/L	1.00	07/24/06	VNS	SW 8260B
Chloromethane	<2.00	ug/L	2.00	07/24/06	VNS	SW 8260B
Dibromochloromethane	<5.00	ug/L	5.00	07/24/06	VNS	SW 8260B
1,3-Dichlorobenzene	<2.00	ug/L	2.00	07/24/06	VNS	SW 8260B
1,4-Dichlorobenzene	<1.00	ug/L	1.00	07/24/06	VNS	SW 8260B
1,2-Dichlorobenzene	<1.00	ug/L	1.00	07/24/06	VNS	SW 8260B
1,1-Dichloroethane	<2.00	ug/L	2.00	07/24/06	VNS	SW 8260B
1,2-Dichloroethane	<1.00	ug/L	1.00	07/24/06	VNS	SW 8260B
1,1-Dichloroethene	<1.00	ug/L	1.00	07/24/06	VNS	SW 8260B
trans-1,2-Dichloroethene	<1.00	ug/L	1.00	07/24/06	VNS	SW 8260B
cis-1,2-Dichloroethene	<1.00	ug/L	1.00	07/24/06	VNS	SW 8260B
1,2-Dichloropropane	<2.00	ug/L	2.00	07/24/06	VNS	SW 8260B
1,3-Dichloropropane	<1.00	ug/L	1.00	07/24/06	VNS	SW 8260B
trans-1,3-Dichloropropene	<1.00	ug/L	1.00	07/24/06	VNS	SW 8260B
cis-1,3-Dichloropropene	<1.00	ug/L	1.00	07/24/06	VNS	SW 8260B
Ethylbenzene	<2.00	ug/L	2.00	07/24/06	VNS	SW 8260B
Hexachlorobutadiene	<1.00	ug/L	1.00	07/24/06	VNS	SW 8260B
2-Hexanone	<5.00	ug/L	5.00	07/24/06	VNS	SW 8260B
Methylene Chloride	<10.0	ug/L	10.0	07/24/06	VNS	SW 8260B
Methyl Ethyl Ketone	<2.00	ug/L	2.00	07/24/06	VNS	SW 8260B
Methyl Isobutyl Ketone	<5.00	ug/L	5.00	07/24/06	VNS	SW 8260B
Naphthalene	<2.00	ug/L	2.00	07/24/06	VNS	SW 8260B
Styrene	<1.00	ug/L	1.00	07/24/06	VNS	SW 8260B
1,1,2,2-Tetrachloroethane	<2.00	ug/L	2.00	07/24/06	VNS	SW 8260B
Tetrachloroethene	<1.00	ug/L	1.00	07/24/06	VNS	SW 8260B
Toluene	<1.00	ug/L	1.00	07/24/06	VNS	SW 8260B
1,2,4-Trichlorobenzene	<1.00	ug/L	1.00	07/24/06	VNS	SW 8260B
1,1,2-Trichloroethane	<2.00	ug/L	2.00	07/24/06	VNS	SW 8260B
1,1,1-Trichloroethane	<1.00	ug/L	1.00	07/24/06	VNS	SW 8260B
Trichloroethene	<1.00	ug/L	1.00	07/24/06	VNS	SW 8260B
Vinyl acetate	<5.00	ug/L	5.00	07/24/06	VNS	SW 8260B



Lab ID Number: 0607074-33

Analyte	Results	Units	RL	Analyzed	By	Method
Vinyl chloride	<5.00	ug/L	5.00	07/24/06	VNS	SW 8260B
m,p-Xylene	<2.00	ug/L	2.00	07/24/06	VNS	SW 8260B
o-Xylene	<1.00	ug/L	1.00	07/24/06	VNS	SW 8260B

Extracted 07/22/06 by Separatory Funnel Extraction for SW 8270C.

Acenaphthene	<1.00	ug/L	1.00	07/28/06	AR	SW 8270C
Acenaphthylene	<1.00	ug/L	1.00	07/28/06	AR	SW 8270C
Anthracene	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
Benzo (a) anthracene	<1.00	ug/L	1.00	07/28/06	AR	SW 8270C
Benzo (a) pyrene	<1.00	ug/L	1.00	07/28/06	AR	SW 8270C
Benzo (b) fluoranthene	<5.00	ug/L	5.00	07/28/06	AR	SW 8270C
Benzo (g,h,i) perylene	<1.00	ug/L	1.00	07/28/06	AR	SW 8270C
Benzo (k) fluoranthene	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
4-Bromophenyl phenyl ether	<1.00	ug/L	1.00	07/28/06	AR	SW 8270C
Butyl benzyl phthalate	<5.00	ug/L	5.00	07/28/06	AR	SW 8270C
4-Chloro-3-methylphenol	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
4-Chloroaniline	<5.00	ug/L	5.00	07/28/06	AR	SW 8270C
Bis(2-chloroethoxy)methane	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
Bis(2-chloroethyl)ether	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
Bis(2-chloroisopropyl)ether	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
2-Chloronaphthalene	<1.00	ug/L	1.00	07/28/06	AR	SW 8270C
2-Chlorophenol	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
4-Chlorophenyl phenyl ether	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
Chrysene	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
Dibenz (a,h) anthracene	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
Dibenzofuran	<5.00	ug/L	5.00	07/28/06	AR	SW 8270C
Di-n-butyl phthalate	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
1,4-Dichlorobenzene	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
1,2-Dichlorobenzene	<1.00	ug/L	1.00	07/28/06	AR	SW 8270C
1,3-Dichlorobenzene	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
2,4-Dichlorophenol	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
Diethyl phthalate	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
2,4-Dimethylphenol	<10.0	ug/L	10.0	07/28/06	AR	SW 8270C
Dimethyl phthalate	<1.00	ug/L	1.00	07/28/06	AR	SW 8270C
4,6-Dinitro-2-methylphenol	<5.00	ug/L	5.00	07/28/06	AR	SW 8270C
3,3'-Dichlorobenzidine	<5.00	ug/L	5.00	07/28/06	AR	SW 8270C
2,4-Dinitrophenol	<5.00	ug/L	5.00	07/28/06	AR	SW 8270C
2,4-Dinitrotoluene	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C



Lab ID Number: 0607074-33

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
2,6-Dinitrotoluene	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
Di-n-octyl phthalate	<5.00	ug/L	5.00	07/28/06	AR	SW 8270C
Bis(2-ethylhexyl)phthalate	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
Fluoranthene	<1.00	ug/L	1.00	07/28/06	AR	SW 8270C
Fluorene	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
Hexachlorobenzene	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
Hexachlorobutadiene	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
Hexachlorocyclopentadiene	<10.0	ug/L	10.0	07/28/06	AR	SW 8270C
Hexachloroethane	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
Indeno (1,2,3-cd) pyrene	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
Isophorone	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
2-Methylnaphthalene	<1.00	ug/L	1.00	07/28/06	AR	SW 8270C
2-Methylphenol	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
3 & 4-Methylphenol	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
Naphthalene	<1.00	ug/L	1.00	07/28/06	AR	SW 8270C
2-Nitroaniline	<5.00	ug/L	5.00	07/28/06	AR	SW 8270C
4-Nitroaniline	<5.00	ug/L	5.00	07/28/06	AR	SW 8270C
3-Nitroaniline	<5.00	ug/L	5.00	07/28/06	AR	SW 8270C
Nitrobenzene	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
4-Nitrophenol	<5.00	ug/L	5.00	07/28/06	AR	SW 8270C
2-Nitrophenol	<5.00	ug/L	5.00	07/28/06	AR	SW 8270C
N-Nitrosodiphenylamine	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
N-Nitrosodi-n-propylamine	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
Pentachlorophenol	<5.00	ug/L	5.00	07/28/06	AR	SW 8270C
Phenanthrene	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
Phenol	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
Pyrene	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
1,2,4-Trichlorobenzene	<1.00	ug/L	1.00	07/28/06	AR	SW 8270C
2,4,5-Trichlorophenol	<2.00	ug/L	2.00	07/28/06	AR	SW 8270C
2,4,6-Trichlorophenol	<1.00	ug/L	1.00	07/28/06	AR	SW 8270C



Lab ID Number: 0607074-33

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Extracted 07/22/06 by Separatory Funnel Extraction for SW 8081.						
alpha-BHC	<0.01	ug/L	0.01	07/28/06	AR	SW 8081
alpha-Chlordane	<0.01	ug/L	0.01	07/28/06	AR	SW 8081
beta-BHC	<0.01	ug/L	0.01	07/28/06	AR	SW 8081
Aldrin	<0.01	ug/L	0.01	07/28/06	AR	SW 8081
gamma-BHC (Lindane)	<0.01	ug/L	0.01	07/28/06	AR	SW 8081
gamma-Chlordane	<0.01	ug/L	0.01	07/28/06	AR	SW 8081
Heptachlor	<0.01	ug/L	0.01	07/28/06	AR	SW 8081
Heptachlor epoxide	<0.01	ug/L	0.01	07/28/06	AR	SW 8081
delta-BHC	<0.01	ug/L	0.01	07/28/06	AR	SW 8081
Endosulfan I	<0.05	ug/L	0.05	07/28/06	AR	SW 8081
Endosulfan II	<0.05	ug/L	0.05	07/28/06	AR	SW 8081
Endosulfan sulfate	<0.05	ug/L	0.05	07/28/06	AR	SW 8081
Endrin	<0.05	ug/L	0.05	07/28/06	AR	SW 8081
Endrin aldehyde	<0.05	ug/L	0.05	07/28/06	AR	SW 8081
Endrin ketone	<0.05	ug/L	0.05	07/28/06	AR	SW 8081
4,4'-DDD	<0.05	ug/L	0.05	07/28/06	AR	SW 8081
4,4'-DDE	<0.05	ug/L	0.05	07/28/06	AR	SW 8081
4,4'-DDT	<0.05	ug/L	0.05	07/28/06	AR	SW 8081
Methoxychlor	<0.10	ug/L	0.10	07/28/06	AR	SW 8081
Dieldrin	<0.05	ug/L	0.05	07/28/06	AR	SW 8081
Chlordane (technical)	<0.10	ug/L	0.10	07/28/06	AR	SW 8081
Toxaphene	<0.10	ug/L	0.10	07/28/06	AR	SW 8081

Extracted 07/22/06 by Separatory Funnel Extraction for SW 8082.

Aroclor 1016	<0.400	ug/L	0.400	07/28/06	AR	SW 8082
Aroclor 1221	<0.400	ug/L	0.400	07/28/06	AR	SW 8082
Aroclor 1232	<0.400	ug/L	0.400	07/28/06	AR	SW 8082
Aroclor 1242	<0.400	ug/L	0.400	07/28/06	AR	SW 8082
Aroclor 1248	<0.400	ug/L	0.400	07/28/06	AR	SW 8082
Aroclor 1254	<0.400	ug/L	0.400	07/28/06	AR	SW 8082
Aroclor 1260	<0.400	ug/L	0.400	07/28/06	AR	SW 8082

References

EPA - 40 Code of Federal Regulations, Part 136, October 26, 1984.

SW - SW 846 3rd Edition.

SM - Standard Methods for the Examination of Water and Wastewater, 18th edition.

LT - Lachat Method Manual, "Methods List for Automated Ion Analyzers", February 2004

New York State ELAP Laboratory ID #10950/EPA Laboratory ID #NY01292/New Jersey DEP Laboratory ID #NY006

Laboratory Director:

Joseph P. Shaulys



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CHAIN OF CUSTODY RECORD

nelac

Client: Hydro Tech Environmental Report to: Eva Jakubowska
 Address: 111 Fulton Street ejakubowska@hydrotechenvironmental.com
 Brooklyn, NY 11238 Results needed by: 7/27/06
 Tel: 718 636-0800 Fax: 718 636 0900 (Rush T/A only) or 7/31/06

Laboratory Certification IDs: NYSDOH: 10950 NJDEP: NY006 EPA: NY01292



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 (516) 293-2191 • FAX (516) 293-3152

www.southmallabs.com

Sample Identification/Description/Location	Containers		Sample Information			Matrix Code (see above)	Analysis Requested	NaOH + Ascorbic Acid	HNO ₃	H ₂ SO ₄	HCl	None/Other
	#	Type	Date	Time	Grab/Composite							
B-1 0-2'	1	8oz glass	7/17	AM	grab	2	TCL EPA 8260, EPA 8270,					
B-1 8-10'	1		7/17				PCBs/Pesticides, TAL Metals					
B-2 0-2'			7/14									
B-2 6-8'			7/14									
B-3 0-2'			7/19									
B-3 6-8'												
B-4 0-2'												
B-4 8-10'												
B-5 0-2'												
B-5 8-10'												

Notes (including P.O. #):

Matrix Code: 1-water; 2-soil; 3-sludge; 4-oil; 5-wipe; 6-other

PROJECT NAME/DESCRIPTION: 264 North 10th Street Project / Brooklyn

COLLECTED BY: (PRINT NAME) EVA JAKUBOWSKA

RELINQUISHED BY: (SIGNATURE) *Eva Jakubowska*

RECEIVED BY: (SIGNATURE) _____ DATE: _____ TIME: _____

RECEIVED BY: (SIGNATURE) _____ DATE: _____ TIME: _____

RECEIVED BY: (SIGNATURE) _____ DATE: 7-20-06 TIME: 10:00 AM

CHAIN OF CUSTODY RECORD

nelac



Client: Hydro Tech Environmental Report to: EVA JAKUBOWSKA
 Address: 111 Fulton Street
Brooklyn, NY 11238
 Tel: 718 636-0800 Fax: 718 636 0900
 Results needed by: 7/27/06
 (Rush T/A only) or 7/31/06

Laboratory Certification IDs: NYSDOH: 10950 NJDEP: NY006 EPA: NY01292

Notes (including P.O. #):

Matrix Code : 1-water, 2-soil, 3-sludge, 4-oil, 5-wipe, 6-other

Sample Identification/Description/Location	Containers		Sample Information			Matrix Code (see above)	Analysis Requested
	#	Type	Date	Time	Grab/Composite		
B-6 0-2'	1	8oz glass	7/19	AM	Grab	2	TCL EPA 8260, EPA 8270
B-6 6-8'			7/19				PCBs/Pesticides, TAL Metals
B-7 0-2'			7/14				
B-7 8-10'			7/14				
B-8 0-2'			7/14				
B-8 8-10'			7/14				
B-9 0-2'			7/17				
B-9 8-10'			7/17				
B-10 0-2'			7/19				
B-10 8-10'			7/19				

COLLECTED BY (PRINT NAME): EVA JAKUBOWSKA
 RECEIVED BY (SIGNATURE): EVA JAKUBOWSKA
 PROJECT NAME / DESCRIPTION: 264 North 10th Street Project / Brooklyn

RECEIVED BY (SIGNATURE)	DATE	TIME
<u>[Signature]</u>	<u>7-20-06</u>	<u>10:06 AM</u>

CHAIN OF CUSTODY RECORD

nelac



26 NORTH MALL • PLAINVIEW, NY 11803
(516)293-2191 • FAX (516)293-3152

www.southmallabs.com

Client: Hydro Tech Environmental Report to: Eva Jakubowska
 Address: 1111 Fulton Street
Brooklyn, NY 11238
 Tel: 718 656-0800 Fax: 718 636 0900
 Results needed by: 7/27/06
 (Rush T/A only) or 7/31/06

Laboratory Certification IDs: NYSDOH: 10950 NJDEP: NY006 EPA: NY01292

Sample Identification/Description/Location	Containers		Sample Information		Matrix Code (see above)	Analysis Requested	NaOH + Ascorbic Acid	HNO ₃	H ₂ SO ₄	HCl	None/Other
	#	Type	Date	Time							
B-11 0-2'	1	8oz glass	7/14	AM	grab	TCL EPA 8260, EPA 8270					
B-11 6-8'			7/14			PCBs/Pesticides, TAL Metals					
B-12 0-2'			7/17								
B-12 8-10'			7/17								
B-13 0-2'			7/14								
B-13 6-8'			7/14								
B-14 0-2'			7/19								
B-14 6-8'											
B-15 0-2'											
B-15 6-8'											
COLLECTED BY: <u>EVA JAKUBOWSKA</u>						PROJECT NAME/DESCRIPTION: <u>264 North 10th Street Project / Brooklyn</u>					
REINQUIRED BY: <u>Jack Saha</u>						RECEIVED BY: (SIGNATURE) _____					
REINQUIRED BY: _____						RECEIVED BY: (SIGNATURE) _____					
REINQUIRED BY: _____						RECEIVED BY: (SIGNATURE) _____					
						DATE: _____					
						DATE: _____					
						DATE: <u>7-20-06</u>					
						TIME: _____					
						TIME: _____					
						TIME: <u>10:06</u>					

(Handwritten signature)



Environmental and Planning Consultants

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7th Floor
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tel: 212 696-0670
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December 5, 2011

Mr. Stephen Martinelli
LCOR Incorporated
One Penn Plaza, Suite 3310
New York, NY 10119

Re: Phase I Environmental Site Assessment
250 North 10th Street – Brooklyn, New York 11211
AKRF Project Number 11338

Dear Mr. Martinelli:

AKRF, Inc. is pleased to submit this Phase I Environmental Site Assessment Report for the property located at *250 North 10th Street – Brooklyn, New York 11211* (Tax Block 2307, Lots 1, 14, 16, 19, and 31). This report includes the findings of a reconnaissance of the Site and an evaluation of readily available historical information and selected environmental databases and electronic records. AKRF, Inc. met the requirements of American Society for Testing and Materials (ASTM) as established by ASTM Standard E1527-05 unless noted otherwise in Section 7.0: "Limitations and Data Gaps".

We appreciate the opportunity to provide you with our services. If you should have any questions or comments regarding the enclosed report, please do not hesitate to contact us.

Sincerely,
AKRF, Inc.

A handwritten signature in black ink, appearing to be 'MG'.

Marc S. Godick, LEP
Senior Vice President

A handwritten signature in black ink, appearing to be 'Neoma'.

Neoma Chefalo
Environmental Scientist

Enc.

EXECUTIVE SUMMARY

AKRF, Inc. (AKRF) was retained by LCOR Incorporated to perform a Phase I Environmental Site Assessment of the property located at 250 North 10th Street in Brooklyn, New York (the Site). At the time of the site reconnaissance, the Site comprised undeveloped land totaling approximately 1-acre and was legally defined as Tax Block 2307, Lots 1, 14, 16, 19, and 31. The surrounding area was a mixed-use industrial, commercial and residential area, with some automotive uses.

This Phase I Environmental Site Assessment was performed in conformance with ASTM Standard E1527-05, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Practice*. Any exceptions to, or deletions from, this practice are described in Section 7.0. The term “Recognized Environmental Condition” means the presence or likely presence of hazardous substances or petroleum at the Site, including the ground, groundwater, or surface water at or under the Site.

This assessment revealed evidence of Recognized Environmental Conditions (RECs). A summary of the findings is as follows:

On-Site RECs

- The site has been assigned an E-designation subsequent to the Greenpoint-Williamsburg rezoning by the New York City Department of Planning (DCP). An E-designation requires the fee-owner of the property to conduct a subsurface testing protocol and remediation, where appropriate, to the satisfaction of the New York City Office of Environmental Remediation (NYCOER) [formerly by the Department of Environmental Protection (NYCDEP)] before the issuance of a Building Permit and Certificate of Occupancy.
- Historical Sanborn maps and New York City Department of Buildings (NYCDOB) information indicated that the Site contained various industrial and commercial uses since circa 1905 including: a chemical works (with a 1,000-gallon gasoline tank), an iron works, a rubber toy factory, a fur dressing facility, and a bag filter manufacturer on Lot 1; a metal scrap warehouse and an unspecified manufacturing building on Lot 14; a wagon/auto painting shop and an metals manufacturing building on Lot 16; and unspecified manufacturing buildings on Lots 19 and Lot 31. Such uses likely employed chemical solvents, paints/inks/dyes, metals (e.g. mercury and lead) and/or petroleum products (e.g. coal tar in fur dressing) that may have affected the Site subsurface.
- Fuel oil permit approvals for former structures on Lots 1 and 19 were documented in the NYCDOB Buildings Information System (BIS) on-line database. No information pertaining to the quantity, size or location (above or below ground) of fuel oil storage tanks was noted in the electronic files. A 1,000-gallon gasoline UST was shown in Lot 1 on the 1916 Sanborn map. Therefore, USTs associated with former on-site structures may be present beneath the Site.
- An August 2006 subsurface investigation (Site Investigation Report, Hydro Tech Environmental, Corp.) identified the presence of metals and semi-volatile organic compounds (SVOCs) in soil, as well as metals in groundwater, attributable to historic (urban) fill. No magnetic anomalies indicative of buried tanks or drums were identified by a geophysical survey conducted as part of Hydro Tech’s investigation. Laboratory results did not indicate the presence of petroleum contamination; however, field screening of the soil samples indicated potential petroleum contamination at two of the sampling locations.
- AKRF completed a Subsurface (Phase II) Investigation for the Site in October 2011. The investigation included the advancement of four soil borings, with the collection of eleven soil samples and four groundwater samples from temporary well points installed in the soil borings, and the

installation of three sub-grade vapor monitoring points for laboratory analysis. Results of the investigation indicated that urban fill materials consisting of sand, silt, and gravel with ash, brick, coal, wood, and glass were present beneath the Site to approximately 10 to 15 feet below existing grade. Soil analysis indicated elevated concentrations of metals including mercury, lead, and copper detected in soil above New York State Department of Environmental Conservation (NYSDEC) 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives (USCOs) and in some cases the Restricted Use Residential Soil Cleanup Objectives (RRSCOs); groundwater analyses indicated the presence of SVOCs, including benzo(a)pyrene, benzo(b)fluoranthene and indeno(1,2,3-cd)pyrene, in groundwater samples at concentrations slightly exceeding their respective Class GA (drinking water) standards and elevated concentrations of filtered and dissolved metals above the Class GA standards. Soil vapor analytical results indicated concentrations of volatile organic compounds (VOCs) were detected in the soil gas samples above their respective air guidance values (AGVs). The concentrations were observed to be randomly dispersed throughout the subsurface; no specific on-site source area of the vapors could be ascertained from the soil gas data or soil or groundwater data.

- Former building remnants, potential buried structures and/or or dumped materials noted throughout the Site could contain asbestos-containing materials (ACMs), lead-based paint, polychlorinated biphenyl (PCB) and/or mercury-containing components.

Off-Site RECs

- Adjacent uses on the Site block included a varnish factory; a garage with gasoline tanks; a metal smelting facility and associated metal scrap warehouses, and various unspecified manufacturing buildings and/or machine shops between 1887 and 2007. Prior adjacent uses may have affected the Site subsurface.
- The regulatory database identified adjacent/proximal spills documenting soil and groundwater contamination including: a closed status spill reported in 2006 south-adjacent to the Site documenting elevated levels of SVOCs and metals in soil and groundwater; an active status spill reported in 2005 at a former gasoline station on the south-adjacent block which indicated elevated levels of gasoline constituents in soil and groundwater; and a closed status spill reported in 2006 on the west-adjacent block with documented petroleum contamination in soil and groundwater.
- The regulatory database identified one chemical bulk storage facility on the northwest-adjacent block, four PBS listings for fuel oil and gasoline storage USTs proximal to the Site, including a property south-adjacent to the Site, and two hazardous waste generators including a large quantity generator of lead wastes south-adjacent to the Site, and a small quantity generator of spent halogenated solvents and lead on the east-adjacent block. Releases from these facilities may have affected subsurface conditions beneath the Site.

Recommendations:

- The Site and adjacent areas involved greater than 100 years history of manufacturing and industrial uses. The regulatory database identified proximal active NYSDEC Spills. An appropriate Remedial Action Plan (RAP) and associated Construction Health and Safety Plan (CHASP), which would specify procedures for soil management, unknown tanks, air monitoring, construction health and safety measures, and protection of potential vapor mitigation (e.g. a vapor barrier below the building slab) should be implemented in accordance with applicable NYSDEC and NYCOER requirements.
- Contaminated soil may be encountered during development activities. AKRF recommends that, if evidence of contaminated soil (e.g., stains or odors) is encountered during Site development, these materials (and all other materials requiring off-site disposal) should be disposed of in accordance with applicable federal, state and local regulations. If any USTs are encountered, they should be properly

assessed, closed and removed from the property in accordance with state, and local regulations prior to any renovation and/or demolition activities with the potential to disturb them. Soil intended for off-site disposal should be tested in accordance with the requirements of the receiving facility. Transportation of material leaving the site for off-site disposal should be in accordance with federal, state and local requirements covering licensing of haulers and trucks, placarding, truck routes, manifesting, etc.

- If dewatering will be necessary during Site construction, the discharge must meet New York City Department of Environmental Protection (NYCDEP) discharge regulations.
- Any suspect ACM, PCB-containing material, and/or LBP encountered in former building components, potential buried structures or other materials should be properly tested and disposed of in accordance with applicable regulations during future construction activities.

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1.0 INTRODUCTION

AKRF, Inc. (AKRF) was retained by the LCOR Incorporated to perform a Phase I Environmental Site Assessment of the property located at 250 North 10th Street in Brooklyn, New York (the Site). At the time of the site reconnaissance, the Site comprised undeveloped land totaling approximately 1-acre and was legally defined as Tax Block 2307, Lots 1, 14, 16, 19, and 31. The surrounding area was a mixed-use industrial, commercial and residential area, with some automotive uses.

The scope of services for this assessment was in conformance with ASTM Standard E1527-05 (*Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Practice*), with any exceptions to, or deletions from, this practice described in Section 7.0: "Limitations and Data Gaps." AKRF's scope addressed the ASTM scope by conducting the following:

- Observations of the Site (reconnaissance) were made to identify potential sources or indications of hazardous substances, including: aboveground storage tanks (ASTs); underground storage tanks (USTs); tank vents and fill ports; transformers and other items that could contain polychlorinated biphenyls (PCBs), drums or areas where hazardous materials were used, stored, or disposed; stained surfaces and soils; stressed vegetation, leaks, odors. In addition, where possible, neighboring properties were viewed, but only from public rights-of-way, to identify similar concerns.
- Readily available geological and groundwater (hydrogeological) information were evaluated to assist in determining the potential for contaminant migration within, from and onto the Site.
- Historical fire insurance maps and historical city directories for the Site and adjacent properties were reviewed to evaluate historic land uses.
- The following federal regulatory databases were reviewed to determine the regulatory status of the Site and properties within the ASTM-specified radii: National Priority List (NPL); Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS); Emergency Response Notification System (ERNS); Toxic Chemical Release Inventory System (TRIS); the Permit Compliance System of Toxic Wastewater Discharges (WWD); the Air Discharge Facilities Index (ADF) the USEPA Civil Enforcement Docket. The federal listing of facilities which are subject to corrective action under the Resource Conservation and Recovery Act (CORRACTS) is discussed with the State databases of RCRA listings.
- The following state regulatory databases were reviewed to determine the regulatory status of the Site and properties within the ASTM-specified radii, hazardous material spills (SPILLS); Resource Conservation and Recovery Act Notifiers (RCRA); Chemical Bulk Storage (CBS); Solid Waste Facilities (SWF); Petroleum Bulk Storage (PBS); State Inactive Hazardous Waste Disposal Sites (SHWS); Major Oil Storage Facilities (MOSF); Historic Utility Sites; Environmental Restoration Program (ERP); Voluntary Cleanup Program (VCP); and Brownfield Cleanup Program (BCP).
- A review of pertinent NYC Fire Department (obtained as part of the database search) and online Department of Buildings records for the Site was conducted.

In addition to the ASTM Scope items, AKRF's scope (unless noted in Section 7.0) included:

- A state database of radon concentrations was used to determine whether indoor radon levels in the area (data are by county) generally comply with United States Environmental Protection Agency (USEPA) guidelines.

2.0 SITE DESCRIPTION

Visual inspection of the Site and adjacent areas was performed on October 19, 2011 by Neoma Chefalo of AKRF. Mr. Stan Zembreski of LCOR accompanied Ms. Chefalo through the Site and answered pertinent questions. At the time of the inspection, the weather was clear and approximately 60°F, and the visibility good. The Site was inspected for the presence of stained surfaces, storage tanks, drums, leaking pipes, transformers, suspect asbestos-containing materials (ACMs), suspect lead-containing paint, and any other evidence of hazardous material usage and storage on-site. Photographs documenting the site inspection are included in Appendix A.

2.1 General Site Conditions

At the time of the site reconnaissance, the Site comprised an approximately 1-acre undeveloped property encompassing the lots on North 10th Street between Roebling and Union Streets, and smaller lots along Union and North 9th Streets (Tax Block 2307, Lots 1, 14, 16, 19, and 3). The Site was enclosed with wood, corrugated metal and/or chain link fencing. A mounded soil pile covered with dense vegetation was located on the south/southeastern portion of the Site. Mr. Zembreski indicated that the soil mound was from displaced soil/fill from cylindrical wooden piles that had been driven at the Site in several locations by the previous developer. A portion of a brick and concrete wall was located immediately south of the soil pile, along the perimeter of Lot 19. A metal storage trailer, a flatbed trailer, and stored vehicles including automobiles, box trucks, a tractor and a front end loader were observed on the eastern and southern portions of the Site. Miscellaneous debris, including household refuse, used tires and apparent construction debris (i.e., concrete blocks and rubble, lumber, bricks, and scrap metal), was piled along the northeastern and southern perimeters of the Site and strewn throughout the Site. The northern and southern portions of the Site were covered with vegetation; the central portion was mainly covered with soil and portions of exposed concrete and brick from apparent former structures. Lot 31, on the west/southwestern portion of the Site, was elevated approximately 2 feet above the remaining Site grade level. No evidence of an ongoing material release was noted within the inspected areas of the Site. An apparent utility vault was noted adjacent to the south/southeastern perimeter of the Site along the Union Avenue sidewalk that may be related to the adjacent MTA subway tunnel beneath Union Avenue.

2.2 Topography and Hydrogeology

Based on reports compiled by the U.S. Geological Survey (Brooklyn Quadrangle), the Site lies at an elevation of approximately 15 feet above the National Geodetic Vertical Datum of 1929 (an approximation of mean sea level). During fieldwork performed as part of AKRF's subsurface investigation conducted at the Site in September 2011, groundwater was encountered between 3 and 5 feet below existing grade, which would be approximately 5 to 7 feet below street level grade.

Based on surface topography, groundwater would be expected to flow in a northwesterly direction toward the East River, which is located approximately 3,000 northwest of the Site. Actual groundwater flow can be affected by many factors including subsurface openings or obstructions such as basements, underground utilities, parking garages and tunnels (including the NYCT subway tunnels beneath the site), bedrock geology, tidal fluctuations, and other factors beyond the scope of this assessment. Groundwater in Brooklyn is not used as a source of potable water.

2.3 Storage Tanks

2.3.1 Underground Storage Tanks (USTs)

During the site inspection, no evidence, such as vent pipes, fill caps, or concrete patches, was observed that would indicate past or present underground storage tanks (USTs) being located at the Site. A review of the State regulatory records did not cite any USTs for the Site; computerized New York City Fire Department (FDNY) records did not list any past or present, motor vehicle fuel or heating oil tanks for the Site. A review of the New York City Department of Buildings (NYCDOB) Buildings Information System (BIS) on-line database noted fuel oil permit approvals for former structures on Lots 1 and 19. No information pertaining to the quantity, size, or location (above or below ground) of fuel oil storage tanks was noted in the electronic files. A 1,000-gallon gasoline UST was shown on Lot 1 on the 1916 Sanborn map. Therefore, USTs associated with former on-site structures may be present beneath the Site.

Off-site USTs are discussed in Section 4.2.2.

2.3.2 Aboveground Storage Tanks (ASTs)

A review of the State regulatory records and computerized New York City Fire Department records did not cite any aboveground storage tanks (ASTs) for the Site. No evidence of a current or former aboveground storage tank was observed on the inspected portions of the Site during the site reconnaissance.

Off-site ASTs are discussed in Section 4.2.2.

2.4 Polychlorinated Biphenyls (PCBs)

Prior to 1979, polychlorinated biphenyls (PCBs) were widely used for their fire-retarding properties in the cooling oil of electrical equipment such as transformers, capacitors, switches and voltage regulators. PCBs could be present in potential buried structures or demolition debris, or contained in soil/debris piles observed throughout the Site.

2.5 Lead-Based Paint

The use of lead-based paint in commercial structures was severely restricted by the Consumer Products Safety Commission in 1977. Lead-based paint is potentially hazardous when in a deteriorating condition (i.e., chipped, broken, crumbling, or pulverized). Lead is potentially harmful to humans, particularly children, if ingested, inhaled or otherwise absorbed.

LBP could be present in the remnants of former structures observed on the Site, potential buried structures or demolition debris, or contained in soil/debris piles observed along the Site perimeters. Any renovation or demolition activities with the potential to disturb lead-based paint must be performed in accordance with the applicable Occupational Safety and Health Administration regulation (OSHA 29 CFR 1926.62—*Lead Exposure in Construction*).

2.6 Utilities

At the time of the site reconnaissance, the Site was vacant and no electricity or utilities were in use. National Grid provided natural gas and Consolidated Edison (Con Ed) provided electricity to the surrounding area.

2.7 Waste Management and Chemical Handling

The Site was unoccupied and no solid wastes were generated on-site. Household refuse, stored vehicles, lumber, piled soil, construction debris and scrap metal were observed throughout the Site.

2.8 Asbestos-Containing Materials (ACM)

Asbestos, a known human carcinogen, is a generic name assigned to a group of naturally occurring minerals exhibiting high tensile strength and possessing excellent fire resistance and insulating properties. These minerals include chrysotile, amosite, crocidolite, actinolite, tremolite and anthophyllite. Asbestos is commonly found as a component of building materials including: Thermal System Insulation (TSI), spray-applied fireproofing, spray- or trowel-applied surfacing materials, vinyl asbestos floor tiles and sheeting, plaster, sheetrock, ceiling tiles, fire door fill, roofing materials, thermal gaskets, mastics, and a range of other products.

Building materials containing greater than one percent asbestos are considered to be Asbestos-Containing Materials (ACMs). ACMs are classified as friable or non-friable. Friable ACMs are those which can be crumbled, pulverized, or reduced to powder when dry by hand or other mechanical pressure. Friable ACMs, such as thermal system insulation and spray-applied fireproofing, are generally associated with a higher risk of releasing potentially hazardous fibers than non-friable ACMs, such as vinyl floor tiles and built-up roofing materials.

Suspect ACM could be present in the remnants of former structures observed on the Site, potential buried structures, dumped materials or demolition debris.

3.0 ADJACENT LAND USE

The Site was bounded to the north/northwest by Roebling Street, followed by warehouses, a parking lot and residential structures. North 10th Street abutted the Site to the north/northeast followed by a residential structure, a Glass and Plastics Containers warehouse (229-45 North 10th Street), and an automotive repair shop (247 North 10th Street). Union Avenue abutted the Site to the east, followed by a vacant lot and residential development. Truck parking lots, vacant land, and residential structures abutted the southern portion of the Site followed by North 9th Street.

4.0 SITE HISTORY AND RECORDS REVIEW

4.1 Prior Ownership and Usage

4.1.1 Historical Maps

Historical insurance maps were reviewed for indications of industrial usage or other evidence suggesting the use or disposal of hazardous materials on or adjacent to the Site. Specifically, Sanborn Fire Insurance Maps from 1887, 1905, 1916, 1942, 1951, 1965, 1979, 1989, 1995, and 2007 were reviewed. Copies of select maps are included in Appendix B. Summaries of each map are as follows:

1887

The Site contained vacant lots on the northern portion (Lot 1); dwellings and sheds on the southeastern portion (Lots 16 and 19); and stables and sheds on the

southern/southwestern portion (Lot 31). The Site block and surrounding streets were shown in their current configurations.

Adjacent uses included a varnish factory located south-adjacent to Lot 1, immediately north of Lot 31. The remainder of the Site block contained sparse structures including a stables, sheds and dwellings. The surrounding blocks contained sparse residential structures and industrial uses including: a paint factory on the southern portion of the northwest-adjacent block; a file works on the northeast-adjacent block; an iron works/foundry on the east-adjacent block; a leather factory on the northern portion of the southeast-adjacent block; and a paint factory on the southern portion of the west-adjacent block.

1905

Lot 1 contained a filter bag factory and an iron works on the northern portion, and a chemical works, sheds and undeveloped land on the central and southern portions. Lot 14 contained a wagon shop with lumber storage and a cooperage. Lot 16 contained dwellings and a wagon painting shop. Lot 19 contained dwellings, stores and sheds. Lot 31 contained a stable and a wagon shed.

Additional dwellings, stores, sheds (including rag sorting sheds) and stables were shown on the adjacent properties on the Site block. Denser industrial development was shown on the surrounding blocks including: a coal company on the north-adjacent block; an iron works on the western portion of the east-adjacent block; a junkyard and mirror factory on the northern portion of the southeast-adjacent block (in place of the former leather factory); and a chemical works on the western portion of the south-adjacent block.

1916

The iron works and the chemical works facilities shown on Lot 1 on the 1905 map had expanded. The chemical works was shown to contain a buried 1,000-gallon gasoline tank (252 North 10th Street). A rubber toy factory was shown on the southeastern portion of Lot 1 and the filter bag factory remained. The former wagon painting shop on Lot 16 had been converted to an auto painting shop. A bottle dealer was noted on Lot 19. Lots 14 and 31 were similar to the 1905 map.

Properties located on the Site block were similar to the 1905 Sanborn map. Portions of the chemical works on the south-adjacent block were labeled as vacant. The iron works on the east-adjacent block had expanded and was labeled as an iron, bronzes and wire works, with a foundry, metal plating and polishing shops. Additional industrial uses were shown on the surrounding blocks including: a garage with a buried gasoline tank and an auto and wagon painting shop in place of the former coal yard on the southern portion of the north-adjacent block; a junkyard to the southeast of the Site across Union Avenue; and an iron shed on the southeast-adjacent block. Additional industrial uses including an air products facility, brass foundry, metal works, cooperages, printers and machine shops were shown in the greater surrounding area north and northwest of the Site.

1942

The former iron works on Lot 1 was converted to a bottle company; the chemical works and the 1,000-gallon buried tank were no longer shown, and the former toy factory shown on the 1916 map was converted to a fur dressing facility. The filter bag factory on Lot 1 remained as shown on previous maps. A metal scrap warehouse was shown on Lot

14, in place of the former wagon painting shop shown on earlier maps. Lot 16 was vacant. Lot 19 remained developed with stores, sheds and dwellings. Additional sheds and stables were shown on Lot 31.

Additional automotive/industrial uses were shown on the Site block including: a garage with buried gasoline tanks shown on the western portion, south-adjacent to Lot 1; unspecified structures and a machine shop within the varnish factory shown on earlier maps, south-adjacent to Lot 1; and a metal smelting facility was shown on the southeastern portion of the Site block, south-adjacent to Lot 14. Additional automotive/industrial uses were shown on the surrounding blocks including: a garage/gasoline filling station with buried gasoline and fuel oil tanks on the western portion of the south-adjacent block (in the area of the former chemical works) along Roebling Street; a fur dressing facility on the southwest adjacent block; machine shops and auto body manufacturer on the western portion of the east-adjacent block (in place of the former iron, bronze and wire works); an auto repair shop on the southeastern portion of the north-adjacent block, a trucking and auto repair shop with buried gasoline tanks on the northern portion of the north-adjacent block; and a varnish research works with benzene and gasoline tanks on the southern portion of the northwest adjacent block. Additional iron works, machine shops, and garages were shown in the wider surrounding neighborhood.

1951

The filter bag factory was relabeled as a press cloth manufacturer on Lot 1, an unspecified flat was shown in place of the former bottling company, and the fur dressing facility had expanded. An unspecified manufacturing flat was located on Lot 14. Lot 16 remained vacant. Several dwellings and sheds were razed on Lot 19, and a club was shown on the southeastern portion. An office and an auto storage shed were shown on Lot 31.

Properties on the Site block remained similar to the 1942 map. Additional industrial uses in the surrounding area included a shellac bleaching facility west of the Site across Roebling Street, a chemical manufacturer on the northwest-adjacent block, and a cabinet manufacturer on the northeast-adjacent block. The trucking and auto repair shop shown on the north-adjacent block on the 1942 map was relabeled as a motor freight station. A church and recreation building, parking lot and storage buildings were shown south-southeast of the Site across Withers Street (in place of the former mirror factory).

1965

The former press cloth manufacturer shown on the 1951 map on Lot 1 was converted to an unspecified storage building. A woodworking shop was shown in place of the unspecified flat noted on the 1951 map on Lot 1. Lot 16 contained an unspecified manufacturing building. Lot 31 contained an unspecified manufacturing building.

A waste paper warehouse and storage buildings were shown in place of the former varnish factory and machine shop shown on the Site block on previous maps. The former garage on the south-adjacent block was converted to unspecified manufacturing building. The former motor freight station on the north-adjacent block was relabeled as a furniture warehouse. The former shellac bleaching plant southeast of the Site was replaced with storage buildings and a parking lot. A school was shown near the church located south-

southeast of the Site across Withers Street. Several former industrial properties on the surrounding blocks had been converted to warehouses and flats.

1979

The former fur dressing facility noted on previous maps on Lot 1 was labeled as vacant. Lot 14 contained vacant land. Lot 19 contained an unspecified manufacturing and warehouse structure. No further significant changes were noted on the Site from the 1965 map.

The former filling station on the south-adjacent block was redeveloped with an unspecified manufacturing building. The former paint factory on the west-adjacent block was converted to a bath products factory. An auto repair shop was noted on the northern portion of the north-adjacent block. There were no additional significant changes noted for the surrounding properties from the 1965 map.

1989

Unspecified warehouses were shown on the northern portion of Lot 1, including in the area of the former fur dressing facility. Lot 14 contained an unspecified commercial building. No further significant changes were noted on the Site from the 1979 map.

The former garage shown on the Site block on previous maps was converted to a warehouse. The former filling station and auto repair shop on the northern portion of the south-adjacent block was redeveloped with an unspecified commercial structure. An auto repair shop was noted on southeast-adjacent block. There were no additional significant changes noted for the surrounding properties from the 1979 map.

1995

The former woodworking shop on Lot 1 was converted to a warehouse. No further significant changes were noted on the Site from the 1989 map.

The surrounding area was similar in use to the 1989 map.

2001

The Site remained similar to the 1995 map.

The surrounding area was similar in use to the 1995 map.

2007

The Site was shown as vacant land; all of the prior structures had been razed.

A former metals storage building noted south-adjacent to the Site on previous maps was labeled as an unspecified manufacturing building. A vacant lot was noted on the western portion of the south-adjacent block. Several vacant lots were shown on blocks north and west of the Site.

Summary

The Sanborn maps indicated that the Site contained various industrial and commercial properties since circa 1905. Lot 1 contained a chemical works (with a 1,000-gallon gasoline tank) and an iron works on the 1905 and 1916 maps; a rubber toy factory on the 1916 map; a fur dressing facility on the 1942 through 1979 maps; a bag filter manufacturer on the 1905 through 1942 maps (shown as a press cloth manufacturer on

the 1951 map); and various storage and warehouse buildings between 1905 and 1995. Lot 14 contained a wagon painting shop, cooperage and lumber storehouse between 1905 and 1916; a metal scrap warehouse on the 1942 map and an unspecified manufacturing building on the 1951 and 1965 maps; vacant land on the 1979 map; and an unspecified commercial building on the 1989 and 1995 maps. Lot 16 contained a wagon/auto painting shop and dwellings on the 1905 and 1916 maps; vacant land on the 1942 and 1951 maps; and an unspecified manufacturing building on the 1965 through 1995 maps. Lot 19 contained residential structures, sheds and stores on the 1887 and 1951 maps and an unspecified manufacturing and warehouse building on the 1965 through 1995 maps. Lot 31 contained various structures including stables, sheds and an office on the 1887 through 1951 maps; and an unspecified manufacturing building on the 1965 through 1995 maps. Adjacent uses on the Site block included a varnish factory on the 1887 through 1951 maps; a garage with gasoline tanks shown on the 1942 through 1979 maps; a metal smelting facility and associated metal scrap warehouses on the 1942 through 2007 maps; and various unspecified manufacturing buildings and/or machine shops between 1905 and 2007. Prior on-site and adjacent uses may have affected the Site subsurface.

The surrounding blocks contained numerous industrial and automotive uses including filling stations/garages, manufacturing facilities, chemical works, paint factories, and iron works. Such uses may have affected subsurface conditions beneath the Site.

4.1.2 Historical Aerial Photographs

Since historical fire insurance maps were available for the Site (and surrounding area) and these maps included information relating to land use, aerial photographs would, most likely, not provide additional useful information relevant to the potential for recognized environmental conditions or other environmental concerns. As such, aerial photographs were not reviewed.

4.1.3 Site Tax Files and Zoning Records

The Site is located in an MX-8 (mixed use) zoning district. Tax parcel information provided by the New York City Buildings Department on-line Buildings Information System indicated that the Site was classified as V1-Vacant Land.

4.1.4 Land Title Records

Electronic property transaction records for the Site Block and Lots were reviewed from the New York City Department of Finance Office of the City Register Automated City Register Information System (ACRIS). Electronic deed information indicated that Lots 1,14,16,19 and 31 were transferred from Favorite Properties, LLC to 250 North 10th Street LLC in 2011. No information pertaining to environmental liens was noted in the ACRIS electronic files.

4.2 Regulatory Review

Toxics Targeting, Inc. of Ithaca, New York provided information regarding the regulatory status of the Site and the surrounding area. This information included records from databases maintained by the United States Environmental Protection Agency (USEPA) and New York State Department of Environmental Conservation (NYSDEC). AKRF reviewed these records to identify the use, generation, storage, treatment and/or disposal of hazardous material and chemicals, or releases of such materials which may impact the project site. All applicable

regulatory databases meet ASTM guidelines requesting utilization of information within 90 days' receipt from the appropriate agency. Copies of the pertinent sections of the Toxics Targeting, Inc. report are included in Appendix C.

4.2.1 Federal Review

The federal databases searched included the National Priority List (NPL); Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS); Emergency Response Notification System (ERNS); Toxic Chemical Release Inventory System (TRIS); the Permit Compliance System of Toxic Wastewater Discharges (WWD); the USEPA Civil Enforcement Docket; and the Air Discharge Facilities (ADF). The federal listing of facilities which are subject to corrective action under the Resource Conservation and Recovery Act (CORRACTS) is discussed with the State databases of RCRA listings.

National Priority List (NPL)

The NPL is the USEPA's database of some of the most serious uncontrolled or abandoned hazardous waste sites identified for probable remedial action under the Superfund Program. NPL sites can pose a significant risk of stigmatizing surrounding properties and thus impacting Site values.

No NPL sites were identified within one-mile of the Site.

Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS)

CERCLIS is a compilation of sites which the USEPA has investigated, or plans to investigate, pursuant to the Superfund Act of 1980 (CERCLA). As such, some of these sites may ultimately present concerns and others may not (but could still pose a perceived threat, thus affecting Site values).

Two CERCLIS facilities were identified within a ½-mile of the Site. Given their distances from the Site (over 1,400 feet) and inferred crossgradient/downgradient groundwater flow directions, these facilities are not anticipated to have affected the Site subsurface.

Emergency Response Notification System (ERNS)

This federal database, compiled by the Emergency Response Notification System, records and stores information on certain reported releases of petroleum and other potentially hazardous substances.

The Site was not listed on the ERNS database.

Toxic Chemical Release Inventory System (TRIS)

The TRIS contains information reported by a variety of industries on their annual estimated releases of certain chemicals.

No TRIS sites were identified within ⅛-mile of the Site.

Permit Compliance System of Toxic Wastewater Discharge (WWD)

This database includes certain sites which discharge wastewater containing potentially hazardous chemicals.

No WWD facilities were reported within 1/8-mile of the Site.

United States Environmental Protection Agency Civil Enforcement Docket

This database tracks civil judiciary cases filed on behalf of the USEPA by the Department of Justice.

No facilities were listed in the USEPA's Civil Enforcement Docket within 1/8-mile of the Site.

Air Discharge Facilities (ADF) Index

This federal database includes information on certain air emission sources.

The Site was listed as an ADF facility. Alpha Empiron Building Corp., listed at 240 North 10th Street was listed as having discharged less than 100 tons of volatile organic compounds (VOCs) per year. The facility was listed as being operational and in compliance with applicable New York State guidelines, however, the Site is currently vacant. Four additional ADF facilities were identified within a 1/8-mile radius of the Site. Based on the regulatory database information, air releases from these facilities are not anticipated to have affected environmental conditions at the Site.

4.2.2 State Review

The state records reviewed included listings of hazardous material spills; Resource Conservation and Recovery Act (RCRA) Notifiers; Chemical Bulk Storage (CBS); Solid Waste Facilities (SWF); Petroleum Bulk Storage (PBS); State Inactive Hazardous Waste Disposal Sites (SHWS); State Hazardous Substance Waste Disposal Sites (SHSWDS); Major Oil Storage Facilities (MOSF); Brownfield Sites; Historic Utility Sites.; Environmental Restoration Program (ERP) sites; Voluntary Cleanup Program (VCP) sites and Brownfield Cleanup Program (BCP) sites.

New York SPILLS Database

This database includes releases reported to the NYSDEC, including tank test failures (for USTs only) and tank failures.

No spills were listed for the Site. Two hundred sixty-three spills, including 19 active status spills and 244 closed status spills were reported within a 1/2-mile radius of the Site.

The following off-site spill incidents may have affected subsurface conditions beneath the Site due to proximity and/or the nature and quantity of material released:

- Closed status Spill No. 0602498 was listed at 261 North 9th Street, south-adjacent to the Site, in June 2006 after a subsurface investigation indicated elevated levels of SVOCs and metals in soil and groundwater. The spill file notes indicated that the elevated metals concentrations may be attributed to former metal smelting at this facility. It was noted that the spill would be closed due to the lack of elevated petroleum constituents and the elevated metals concentrations would be addressed during site redevelopment in conjunction with requirements pertaining to the NYCDEP hazardous materials E-designation assigned to this facility. The spill was closed in 2007.
- Closed status Spill No. 0801333 was listed at 231-235 North 9th Street, south-adjacent to the Site, in May 2008. The spill file notes indicated that an unknown substance was reported to have been discovered at the facility; however no

information regarding the substance type, or media affected (soil or groundwater) was provided in the listing. This facility was also listed on the PBS database as having two closed-removed 550-gallon gasoline ASTs. The spill was closed in 2011 due to lack of recent information.

- The property located at 55 Roebling Street (a former gasoline station), approximately 340 feet southwest of the Site, was listed with an active status spill (Spill No. 0503901) in 2005. Subsurface investigations conducted at this facility in 2005-2006 indicated elevated levels of gasoline constituents in soil and groundwater. Remedial activities, including the removal of on-site USTs, contaminated soil excavation, and the installation of groundwater monitoring wells for quarterly sampling were conducted in conjunction with NYSDEC between 2007 and 2008, and are ongoing.
- Aunt Heddy's Bakery, located at 234 North 9th Street, approximately 340 feet west of the Site, was listed with a closed status spill (Spill No. 0608858) in November 2006 when petroleum-contaminated soil and groundwater were discovered during subsurface investigations conducted in 2006. Subsequent subsurface investigations indicated that soil and groundwater contamination was likely from an off-site former gasoline station at 55-63 Roebling Street. Remedial activities, including the removal of contaminated soil, the installation of groundwater monitoring wells for quarterly sampling, and construction modifications including the installation of a vapor barrier under the on-site structure were conducted with oversight from NYSDEC. The spill was closed in October 2007, after consecutive groundwater sampling events did not indicate reportable concentrations of VOCs in groundwater.

Based on the number and nature of spills reported in the area, subsurface conditions beneath the Site may have been affected by off-site spills. Details of all listed spills are included in Appendix C.

Resource Conservation and Recovery Act (RCRA) Notifiers Listings

This database lists sites that have filed notification forms regarding hazardous waste activity, including: treatment, storage and disposal facilities (TSDs); small-quantity generator (SQG) and large-quantity generators (LQG); and transporters regulated under RCRA. The discussion below includes any CORRACTS listings of facilities which are subject to corrective action under RCRA.

No CORRACTS facilities were identified within a one-mile radius of the Site. The Site was not listed on the RCRA databases. Eight RCRA Generators/Transporters were reported within a 1/8-mile radius of the Site.

Significant proximal and/or upgradient hazardous waste generators included:

- 261 Development group, located at 261 North 9th Street, south-adjacent to the Site, was listed as a Large Quantity Generator (LQG) of hazardous wastes for the generation of 110 pounds and 110 tons of lead wastes in 2008, likely associated with contaminated soil removal.
- 544 Union Owner LLC, located at 544 Union Avenue, approximately 385 feet east-southeast of the Site, was listed as a Small Quantity Generator (SQG) and a historical Conditionally Exempt Small Quantity Generator (CESQG) of hazardous wastes for the production of 58,380 pounds of lead wastes in 2007 and 300 gallons of spent halogenated solvents in 1997.

Based on facility status and/or quantity/type of wastes generated, these RCRA facilities may have affected the Site subsurface.

Chemical Bulk Storage (CBS) Database

The CBS lists facilities that store regulated non-petroleum substances in aboveground tanks with capacities greater than 185 gallons and/or in underground tanks of any size.

One CBS facility was listed within 1/8-mile of the Site. Robinson Bros. Industries Corp., located at 215 North 10th Street, approximately 360 feet north-northwest of the Site was listed on the CBS database as having one closed-removed 5,000-gallon hydrochloric acid AST; one closed-removed 12,000-gallon ammonium hydroxide AST; and one closed-in-place 2,000-gallon nitric acid AST. Releases from this facility may have affected area soil and groundwater.

Solid Waste Facilities (SWF)

This database includes a listing of landfills, incinerators, transfer stations, recycling centers, and other sites which manage solid waste.

Two Solid Waste Facilities were identified within a 1/2-mile radius of the Site. Given their distances (over 1,400 feet) from the Site and inferred downgradient groundwater flow locations, these facilities are not likely to have affected the Site subsurface.

Petroleum Bulk Storage (PBS) Database

This database lists facilities that registered having either aboveground or underground petroleum tanks with total storage exceeding 1,100 gallons. Facilities with more than 400,000 gallons appear on the Major Oil Storage Facilities (MOSF) database instead.

The Site was not listed as a PBS facility. Fourteen PBS facilities were identified within a 1/8-mile radius of the Site. Details of the closest facilities are listed in Table 1.

Table 1
Area Petroleum Bulk Storage Facility Data

Location	Capacity (gallons)	Product Stored	Status	Installation Date	Approximate Distance/Direction from Site
Wing Hon Holding, Inc. 237-243 North 9 th Street Brooklyn, NY	2 x 550 UST	No. 2 fuel oil	Closed-Removed	Not listed	South-adjacent
238 North 9th Street Realty Corp. Brooklyn, NY	1 x 3,000 UST	No. 2 Fuel Oil	Closed-In-Place	Not listed	244 feet/Southwest
Atlas Feather Corp. 38 Roebling Street Brooklyn, NY	1 x 3,000 N/A	No. 4 Fuel Oil	Not Listed	Not Listed	275 feet/west-northwest
Roebling View North, LLC 5 Roebling Street Brooklyn, NY	1 x 275 AST	Waste Oil	Closed-Removed	Not listed	316 feet/North-northeast
	2 x 550 UST	Gasoline			

Notes: UST - underground storage tank; AST - Above ground storage tank

Undocumented releases from these listed facilities may have affected subsurface conditions beneath the Site. Details of the PBS facilities are included in Appendix C.

State Inactive Hazardous Waste Disposal Site (SHWS) Registry

This program (also known as State Superfund) lists information regarding a variety of sites likely requiring cleanup.

Eight SHWS facilities were identified within a one-mile radius of the Site. All of these facilities were located crossgradient/downgradient of the Site and/or greater than 1,000 feet away from the Site. As such, these facilities are not expected to have significantly affected the environmental conditions beneath the Site.

State Hazardous Substance Waste Disposal Site (SHSWDS) Study

This database tracks certain sites that were not listed on SHWS, but may still require investigation and/or cleanup.

One SHSWDS was identified within a one-mile radius of the Site. Given its distance from the Site (over 1,900 feet from the Site), this facility is not anticipated to have affected the Site subsurface.

Major Oil Storage Facilities (MOSF) Database

These facilities have petroleum storage of 400,000 gallons or more.

No Major Oil Storage Facilities were listed within 1/8-mile of the Site.

Historic Utility Sites

This is an inventory of selected power generating facilities, manufactured gas plants and storage facilities, utility maintenance yards and other gas and electric utility sites identified in various historical documents, maps and annual reports from 1898 to 1950.

No Historic Utility Sites were listed within 1/8-mile of the Site.

Environmental Restoration Program

These sites (which are generally municipally-owned) are receiving New York State funding for site investigation and/or remediation. Some sites in this program have known contamination, whereas others have not had sufficient investigation to determine whether contamination is present.

Two ERP sites were identified within a 1/2-mile radius of the Site. Given their distances (over 1,600 feet from the Site) in anticipated crossgradient/downgradient groundwater flow locations, these facilities are not anticipated to have affected the Site subsurface

Brownfield Cleanup Program/Voluntary Cleanup Program

The Voluntary Cleanup Program is a NYSDEC program for investigation and/or remediation of (generally) privately-owned sites. Some sites have known contamination, whereas others have not had sufficient investigation to determine whether contamination is present. The Brownfield program is the successor to the Voluntary Cleanup Program. Again, some sites have known contamination, whereas others have not had sufficient investigation to determine whether contamination is present.

Two BCP sites were identified within a ½-mile radius of the Site. Given their distances (over 1,600 feet from the Site) in anticipated crossgradient/downgradient groundwater flow locations, these facilities are not anticipated to have affected the Site subsurface.

New York City E-Designation Site Listing

A New York City “E” designation for a property requires that the fee owner of the site conducts a testing and sampling protocol, and remediation where appropriate, to the satisfaction of the NYCDEP and/or NYCOER before the issuance of a building permit by the Department of Buildings pursuant to the provisions of Section 11-15 of the Zoning Resolution (Environmental Requirements). The Site lots were assigned an E-designation (E-138) as part of the Greenpoint-Williamsburg Rezoning because the potential for hazardous materials issues at the site was identified.

Radon Levels

According to data compiled by the Bureau of Radiation Protection, a division of the New York State Department of Health, Kings County (Brooklyn) has an average level of basement radon measurements of 1.97 picocuries/liter. The USEPA recommended action level is 4.0 picocuries/liter.

4.2.3 Local Review

Available online records from the New York City Buildings Department were viewed for the Site. NYC Fire Department records were obtained by Toxics Targeting, Inc. as part of their database search. Since the records typically address a multitude of issues, the review focused on items likely to relate to the potential presence of hazardous materials, e.g., petroleum tank installation applications and permits, or records indicating prior uses. Copies of pertinent information are included in Appendix D (Buildings Department Records).

Fire Department

No Fire Department records for the Site were listed in the database search provided by Toxics Targeting, Inc.

Buildings Department

Information provided by the New York City Buildings Department on-line Buildings Information System included Certificates of Occupancy for the Site lots:

Lot 1

- The 1984 Certificate of Occupancy (C of O) documented a 2-story structure used for woodworking and offices with adjoining parking. A fire department approval for a fuel oil permit was noted in the 1984 C of O. The 1997 C of O noted similar uses and meatpacking operations.

Lot 14

- No Certificates of Occupancy were filed for Lot 14. A demolition permit was filed in 2006.

Lot 16

- The 1954 C of O documented a 1-story structure used for metals manufacturing. The 1976 and 1980 C of Os noted a 2-story warehouse.

Lot 19

- The 1934 and 1937 C of Os documented a 1-story structure used as a bar and restaurant with dancing space. The 1956 C of O noted a 1-story banquet hall with a caterer and refrigerant service in the basement and a fuel oil permit approval noted from the Fire Department in 1955 (an oil burner application permit was filed in 1952).

Lot 31

- The 1989 C of O documented a 2-story structure used for automobile storage and an office on the first floor and a single family residence on the second floor.

The information obtained from NYCDOB files indicated that former structures on Lots 1 and 19 utilized fuel oil-fired burners. No information pertaining to the quantity, size or location (above or below ground) of fuel oil storage tanks was noted in the electronic files. A former structure on Lot 16 was used for the manufacturing of metals. Such uses could have affected the Site subsurface. The NYCDOB information also listed the site lots as having a "Little E" restriction for hazardous materials, which is consistent with the regulatory database information described in Section 4.2.2. Copies of these documents are included in Appendix D.

4.2.4 Additional Record Sources

To enhance the search, ASTM requires that additional local records be checked when, in judgment of the environmental professional, such records are: 1) reasonably ascertainable; 2) useful, accurate and complete in light of the objective of the records review; and 3) are obtained in initial ESAs. These records include:

- Local Brownfields Lists
- Local Lists of Landfill/solid waste disposal sites
- Local Lists of Hazardous Waste/Contaminated Sites
- Local Land Records (for activity use limitations)
- Records of emergency release reports
- Records of contaminated public wells

Sources for these records may include:

- Department of Health/Environmental Division
- Building Permit/Inspection Department
- Local/Regional Pollution Control Agency
- Local/Regional Water Quality Agency
- Local Electric Utility (for PCB records)

In AKRF's judgment, no additional local records (beyond those described in the immediately preceding section) are pertinent for the Site.

5.0 USER-PROVIDED INFORMATION

In preparing this Phase I ESA, AKRF requested that the client provide any pertinent information regarding the Site, specifically:

- The reason for performing the Phase I ESA;
- Whether they were aware of any pertinent current or historic activities at or near the Site, including but not limited to: hazardous substances or petroleum, waste management practices, filling or disposal drains, septic/sewer systems, and potable and non-potable wells;
- Owner and occupant information and whether they were aware of any previous Phase I ESAs or other potentially pertinent reports, plans or information;
- Whether any *environmental liens* or *activity and land use limitations* are in place or filed or recorded against the Site or whether there was pending, threatened, ongoing or past violations, litigation or enforcement action relevant to hazardous substances or petroleum products;
- Whether they had any specialized knowledge or experience related to the Site or nearby properties (e.g., specialized knowledge of the chemicals used by this type of business);
- Whether the (anticipated) purchase price reflects that the Site is or could be contaminated; and
- Whether they were aware of commonly known or reasonably ascertainable information about environmental conditions of the Site including current/past uses of the Site and adjacent properties.

Mr. Stan Zembreski of LCOR, the real estate management company representing the Site, provided access to the Site and provided information summarized in Section 2.0. The Phase I ESA was conducted to provide preliminary environmental information as part of due diligence for redevelopment of the Site. To the extent that pertinent additional information was provided, it has been summarized elsewhere in this report.

6.0 PREVIOUS STUDIES

Site Investigation Report – 264 North 10th Street/555 Union Avenue, 25-33 Roebling Street/236 North 10th Street, 258 North 10th Street, 543 Union Avenue, 249 North 9th Street, Block:2307, Lots 1,14, 16, 19 and 31, Brooklyn, New York – Hydro Tech Environmental, Corp., August 18, 2006.

The Site Investigation Report by Hydro Tech Environmental, Corp. dated August 18, 2006, identified the following Recognized Environmental Conditions (RECs):

- The NYCDEP assigned the City Environmental Quality Review #06DEPTECH180K to the Site.
- The purpose of Hydro Tech's Subsurface Investigation was to characterize soil and groundwater quality at the Site to address the "E" designation assigned by the NYCDEP.
- Work activities included a ground penetrating radar (GPR) survey and the collection and analysis of soil and groundwater samples.
- Groundwater was present at approximately 10 feet below street level grade.
- No magnetic anomalies indicative of buried tanks or drums were identified by the GPR survey.
- The investigation identified the presence of metals and semi-volatile organic compounds (SVOCs) in soil, as well as metals in groundwater, attributable to historic (urban) fill. No volatile organic compounds (VOCs) were detected in soil or groundwater above regulatory standards.

A Remedial Action Plan (RAP) and Construction Health and Safety Plan (CHASP), which was prepared by Hydro Tech Environmental, Corp., dated December 2006 outlined remediation requirements during development of the site. In particular, the RAP and CHASP specified procedures for soil management, dust mitigation, and air monitoring. In addition, the RAP and CHASP specified a 30 mil vapor barrier and passive sub-slab depressurization system (SSDS), as well as two-foot clean soil cap for all pervious area (not containing a building or paving).

Subsurface (Phase II) Investigation, 264 North 10th Street Brooklyn NY, AKRF, Inc. October 2011

AKRF completed a Phase II subsurface investigation for the Site October 2011 in accordance with AKRF's August 2011 *Phase II Environmental Investigation Scope of Work (SOW) and Health and Safety Plan (HASP)* approved by the New York City Department of Environmental Protection (NYCDEP) in an email dated August 29, 2011. The purpose of the investigation was to characterize the soil that would be handled during future construction activities and to evaluate whether the Remedial Action Plan (RAP) approved by the New York City Department of Environmental Protection (NYCDEP) should be modified. It included the advancement of four soil borings, with the collection of eleven soil samples and four groundwater samples from temporary well points installed in the soil borings; and the installation of three sub-grade vapor monitoring points for laboratory analysis. No indications of contamination were detected in any of the recovered soil or groundwater during field activities. The results of the Phase II Investigation included:

- Soil encountered in the borings included urban fill materials consisting of sand, silt, and gravel with ash, brick, coal, wood, and glass to approximately 10 to 15 feet below existing grade. No indications of contamination [e.g., photoionization detector (PID) readings, staining or odors] were detected in any of the recovered soil.
- Groundwater was encountered at approximately 3 to 5 feet below existing grade (5 to 7 feet below street level grade). No odors, sheen or measured separate phase product were noted on the purged groundwater prior to sampling at each temporary well location. Groundwater would be expected to flow in a northwesterly direction toward the East River, which is located approximately 3,000 northwest of the Site.
- No PID readings above background were detected in the tedlar bag soil vapor samples during field screening.
- Soil analytical results indicated the presence of mercury at concentrations exceeding the USCO in seven of the eleven samples and the RRSCO in five of the eleven samples. Soil analytical results indicated the presence of lead at concentrations exceeding both the USCO and RRSCO in the three samples analyzed. Copper was detected in two of the six soil samples above the USCO, but below the RRSCO for the remaining four samples. Arsenic, barium, and cadmium were not detected in any of the soil samples above the respective USCOs or RRSCOs.
- Groundwater analytical results indicated the presence of SVOCs, including benzo(a)pyrene, benzo(b)fluoranthene and indeno(1,2,3-cd)pyrene, in the groundwater samples at concentrations slightly exceeding their respective Class GA (drinking water) standards. The SVOCs detected are most likely attributable to the presence of suspended sediment (including urban fill materials) entrained in the sample.
- Total metals analysis (unfiltered) indicated the presence of 14 metals, including antimony, arsenic, barium, beryllium, chromium, copper, iron, lead, magnesium, manganese, nickel, sodium, thallium, and zinc exceeded their respective Class GA standards in one or more of the groundwater samples.

The analytical results suggest that metals detections in the unfiltered (total) analysis are primarily due to suspended sediments.

- Dissolved metals analysis (filtered) indicated the presence of manganese and sodium at concentrations exceeding their respective Class GA standards in all of the groundwater samples. Iron exceeded the Class GA standard in samples GW-8 and GW-12. Lead, magnesium and selenium exceeded the Class GA standards in sample GW-8.
- No PCBs or pesticides were detected. No VOCs were detected above the Class GA standards.
- Soil gas analytical results indicated that VOCs were detected in the soil gas samples at concentrations above their respective HEI, EPA and NYSDOH air guidance values (AGVs). The concentrations were observed to be randomly dispersed throughout the subsurface; no specific on-site source area of the vapors could be ascertained from the soil gas data or soil or groundwater data.

AKRF recommended the preparation of a site-specific Remedial Action Plan (RAP) and associated Construction Health and Safety Plan (CHASP) for submittal to the New York City Mayor's Office of Environmental Remediation (NYCOER) for review/approval to be implemented in conjunction with proposed excavation activities at the Site. AKRF noted that the RAP should set out procedures for remediation of known and/or potential environmental conditions that may be encountered during construction, including provisions for managing soil and groundwater in accordance with applicable federal, state, and local regulations, guidelines for temporary on-site stockpiling and off-site transportation and disposal of soil and specifications for the installation of a vapor barrier beneath the proposed structure. It was noted that the CHASP should identify personnel protection standards and safety practices and procedures, and provides for contingencies that could arise during construction at the Site to minimize health and safety risks resulting from the known and potential presence of hazardous materials on the Site. AKRF also recommended that any unforeseen contamination/USTs be removed in accordance with applicable regulations and reported to NYSDEC and NYCOER as required; the proper testing, transportation and disposal of any soil or fill material be conducted in accordance with applicable regulations; and any dewatering, if required, be conducted in accordance with NYCDEP sewer discharge requirements (which could require prior testing and pretreatment).

7.0 LIMITATIONS AND DATA GAPS

This assessment met the requirements of the American Society for Testing and Materials (ASTM) as established by ASTM Standard E1527-05 at the time it was performed, with the following limitations and data gaps:

- At the time of the assessment, the majority of the Site was covered in vegetation, piled refuse, and/or stored vehicles/equipment. As such, portions of the Site were not able to be inspected for staining, presence of wells, drains, catch basins, or other features.
- Interviews and user provided information were limited to those discussed in Section 5.0. To the extent that interviews were not conducted with the list of interviewees cited in the ASTM Standard (past and present owners, operators, and occupants of the Site and local government officials), AKRF does not believe that this represents a significant data gap likely to result in additional or significantly changed recognized environmental conditions or conclusions.
- The project site area history was not conducted in five-year intervals. However, sufficient information about the history of the site and surrounding area could be obtained from the available historical Sanborn maps, and New York City Buildings Department records, and this data gap is not likely to alter the conclusions of this report.

- In the judgment of AKRF, none of these limitations or data gaps are not likely to have affected the ability to identify Recognized Environmental Conditions (RECs).

8.0 CONCLUSIONS AND RECOMMENDATIONS

This Phase I Environmental Site Assessment was performed in conformance with ASTM Standard E1527-05, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Practice*. Any exceptions to, or deletions from, this practice are described in Section 7.0. The term “Recognized Environmental Condition” means the presence or likely presence of hazardous substances or petroleum at the Site, including the ground, groundwater, or surface water at or under the Site.

This assessment revealed evidence of Recognized Environmental Conditions (RECs). A summary of the findings is as follows:

On-Site RECs

- The site has been assigned an E-designation subsequent to the Greenpoint-Williamsburg rezoning by the New York City Department of Planning (DCP). An E-designation requires the fee-owner of the property to conduct a subsurface testing protocol and remediation, where appropriate, to the satisfaction of the New York City Office of Environmental Remediation (NYCOER) [formerly by the Department of Environmental Protection (NYCDEP)] before the issuance of a Building Permit and Certificate of Occupancy.
- Historical Sanborn maps and New York City Department of Buildings (NYCDOB) information indicated that the Site contained various industrial and commercial uses since circa 1905 including: a chemical works (with a 1,000-gallon gasoline tank), an iron works, a rubber toy factory, a fur dressing facility, and a bag filter manufacturer on Lot 1; a metal scrap warehouse and an unspecified manufacturing building on Lot 14; a wagon/auto painting shop and an metals manufacturing building on Lot 16; and unspecified manufacturing buildings on Lots 19 and Lot 31. Such uses likely employed chemical solvents, paints/inks/dyes, metals (e.g. mercury and lead) and/or petroleum products (e.g. coal tar in fur dressing) that may have affected the Site subsurface.
- Fuel oil permit approvals for former structures on Lots 1 and 19 were documented in the NYCDOB Buildings Information System (BIS) on-line database. No information pertaining to the quantity, size or location (above or below ground) of fuel oil storage tanks was noted in the electronic files. A 1,000-gallon gasoline UST was shown in Lot 1 on the 1916 Sanborn map. Therefore, USTs associated with former on-site structures may be present beneath the Site.
- An August 2006 subsurface investigation (Site Investigation Report, Hydro Tech Environmental, Corp.) identified the presence of metals and semi-volatile organic compounds (SVOCs) in soil, as well as metals in groundwater, attributable to historic (urban) fill. No magnetic anomalies indicative of buried tanks or drums were identified by a geophysical survey conducted as part of Hydro Tech’s investigation. Laboratory results did not indicate the presence of petroleum contamination; however, field screening of the soil samples indicated potential petroleum contamination at two of the sampling locations.
- AKRF completed a Subsurface (Phase II) Investigation for the Site in October 2011. The investigation included the advancement of four soil borings, with the collection of eleven soil samples and four groundwater samples from temporary well points installed in the soil borings, and the installation of three sub-grade vapor monitoring points for laboratory analysis. Results of the investigation indicated that urban fill materials consisting of sand, silt, and gravel with ash, brick, coal, wood, and glass were present beneath the Site to approximately 10 to 15 feet below existing grade. Soil analysis indicated elevated concentrations of metals including mercury, lead, and copper detected in soil above New York State Department of Environmental Conservation (NYSDEC) 6

NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives (USCOs) and in some cases the Restricted Use Residential Soil Cleanup Objectives (RRSCO); groundwater analyses indicated the presence of SVOCs, including benzo(a)pyrene, benzo(b)fluoranthene and indeno(1,2,3-cd)pyrene, in groundwater samples at concentrations slightly exceeding their respective Class GA (drinking water) standards and elevated concentrations of filtered and dissolved metals above the Class GA standards. Soil vapor analytical results indicated concentrations of volatile organic compounds (VOCs) were detected in the soil gas samples above their respective air guidance values (AGVs). The concentrations were observed to be randomly dispersed throughout the subsurface; no specific on-site source area of the vapors could be ascertained from the soil gas data or soil or groundwater data.

- Former building remnants, potential buried structures and/or or dumped materials noted throughout the Site could contain asbestos-containing materials (ACMs), lead-based paint, polychlorinated biphenyl (PCB) and/or mercury-containing components.

Off-Site RECs

- Adjacent uses on the Site block included a varnish factory; a garage with gasoline tanks; a metal smelting facility and associated metal scrap warehouses, and various unspecified manufacturing buildings and/or machine shops between 1887 and 2007. Prior adjacent uses may have affected the Site subsurface.
- The regulatory database identified adjacent/proximal spills documenting soil and groundwater contamination including: a closed status spill reported in 2006 south-adjacent to the Site documenting elevated levels of SVOCs and metals in soil and groundwater; an active status spill reported in 2005 at a former gasoline station on the south-adjacent block which indicated elevated levels of gasoline constituents in soil and groundwater; and a closed status spill reported in 2006 on the west-adjacent block with documented petroleum contamination in soil and groundwater.
- The regulatory database identified one chemical bulk storage facility on the northwest-adjacent block, four PBS listings for fuel oil and gasoline storage USTs proximal to the Site, including a property south-adjacent to the Site, and two hazardous waste generators including a large quantity generator of lead wastes south-adjacent to the Site, and a small quantity generator of spent halogenated solvents and lead on the east-adjacent block. Releases from these facilities may have affected subsurface conditions beneath the Site.

Recommendations:

- The Site and adjacent areas involved greater than 100 years history of manufacturing and industrial uses. The regulatory database identified proximal active NYSDEC Spills. An appropriate Remedial Action Plan (RAP) and associated Construction Health and Safety Plan (CHASP), which would specify procedures for soil management, unknown tanks, air monitoring, construction health and safety measures, and protection of potential vapor mitigation (e.g. a vapor barrier below the building slab) should be implemented in accordance with applicable NYSDEC and NYCOER requirements.
- Contaminated soil may be encountered during development activities. AKRF recommends that, if evidence of contaminated soil (e.g., stains or odors) is encountered during Site development, these materials (and all other materials requiring off-site disposal) should be disposed of in accordance with applicable federal, state and local regulations. If any USTs are encountered, they should be properly assessed, closed and removed from the property in accordance with state, and local regulations prior to any renovation and/or demolition activities with the potential to disturb them. Soil intended for off-site disposal should be tested in accordance with the requirements of the receiving facility. Transportation of material leaving the site for off-site disposal should be in accordance with federal,

state and local requirements covering licensing of haulers and trucks, placarding, truck routes, manifesting, etc.

- If dewatering will be necessary during Site construction, the discharge must meet New York City Department of Environmental Protection (NYCDEP) discharge regulations.
- Any suspect ACM, PCB-containing material, and/or LBP encountered in former building components, potential buried structures or other materials should be properly tested and disposed of in accordance with applicable regulations during future construction activities.

9.0 SIGNATURE PAGE

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312

I have the specific qualifications based on education, training, and experience to assess a Site of the nature, history, and setting of the Site for which the assessment was performed. I have performed all the appropriate inquiries in conformance with standards and practices set forth in 40 CFR Part 312.



Marc S. Godick, LEP
Senior Vice President



Neoma Chefalo
Environmental Scientist

10.0 QUALIFICATIONS

The purpose of this assessment was to convey a professional opinion about the potential presence or absence of contamination, or possible sources of contamination on the Site, and to identify existing and/or potential environmental problems associated with the Site including *Recognized Environmental Conditions* as defined in ASTM Standard E1527-05, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Practice*.

The assessment was performed in accordance with customary principles and practices in the environmental consulting industry, and in accordance with the above-referenced ASTM Standard, except as noted otherwise in Section 7.0. It should only be used as a guide in determining the possible presence or absence of hazardous materials on the Site at the time of the reconnaissance, as it is based upon the review of readily available records relating to both the Site and the surrounding area, as well as a visual reconnaissance of current conditions.

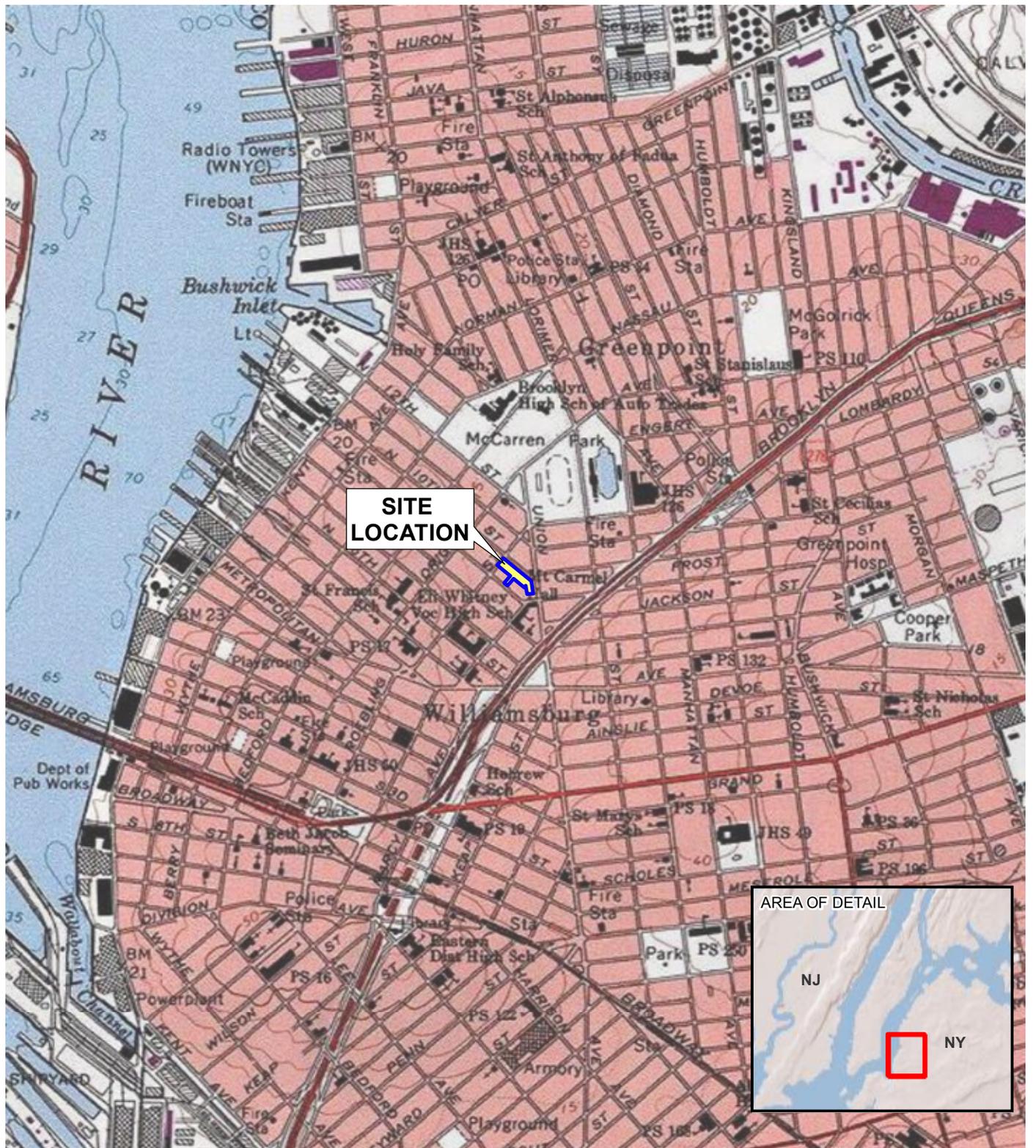
This Phase I Assessment is not, and should not be construed as, a guarantee, warranty, or certification of the presence or absence of hazardous substances, which can be made only with testing, and contains no formal plans or recommendations to rectify or remediate the presence of any hazardous substances which may be subject to regulatory approval. This report is not a regulatory compliance audit.

This report is based on services performed by AKRF, Inc. professional staff and observation of the Site and its surroundings. We represent that observations made in this assessment are accurate to the best of our knowledge, and that no findings or observations concerning the potential presence of hazardous substances have been withheld or amended. The research and reconnaissance have been carried to a level that meets accepted industry and professional standards. Nevertheless, AKRF and the undersigned shall have no liability or obligation to any party other than LCOR Incorporated and AKRF's obligations and liabilities to the above, is limited to fraudulent statements made, or grossly negligent or willful acts or omissions.

11.0 REFERENCES

1. New York State Department of Health, Office of Public Health, “Environmental Radiation,” *Short Term Basement Radon Measurements by Town*, October 2010.
2. U.S. Geological Survey; Central Park , New York - Brooklyn Quadrangle; 7.5 minute Series (Topographic); Scale 1:24,000; 1966; Photorevised 1979.
3. U.S. Geological Survey, *Reconnaissance of the Ground-Water Resources of Kings and Queens Counties, New York*, U.S. Geological Survey, Open-File Report 81-1186; 1981
4. Sanborn Insurance Maps dated 1887, 1905, 1916, 1942, 1951, 1965, 1979, 1989, 1995, and 2007.
5. Toxics Targeting, Inc. “250 North 10th Street, Brooklyn, NY 11211” *Regulatory Radius Search*, October 18, 2011.
6. U.S. Geological Survey, Open Files Report 89-462, Bedrock and Engineering Geologic Maps of New York County and Parts of Kings and New York Counties, New York, and Parts of Bergen and Hudson Counties, New Jersey, Sheet 3 - Bedrock Contours and Outcrops, 1990.

FIGURES



SOURCE
 USGS 7.5 Minute Topographic Map
 Brooklyn Quad 1995



250 NORTH 10th STREET
 BROOKLYN, NEW YORK

PROJECT SITE LOCATION

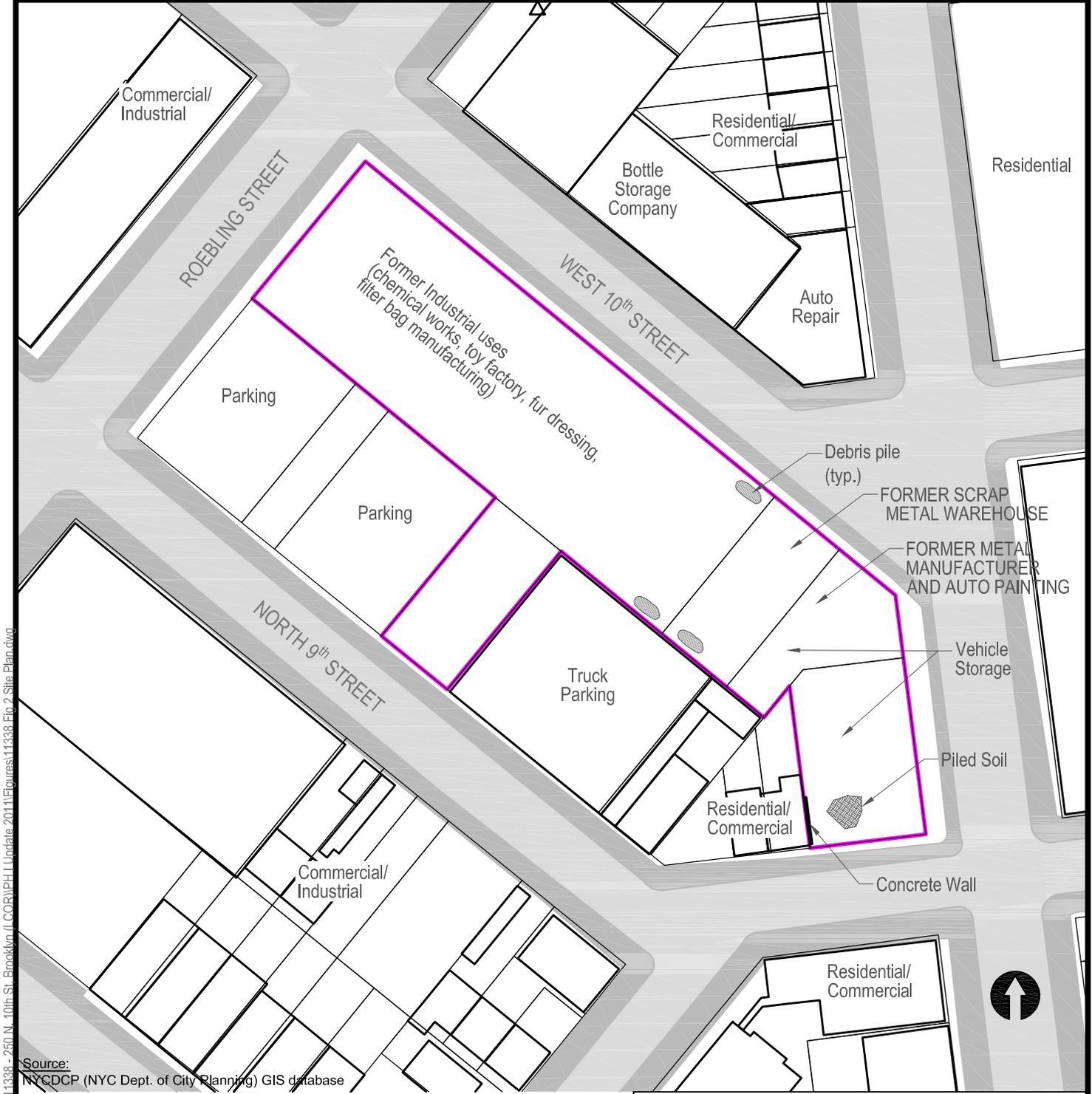


Environmental Consultants
 440 Park Avenue South, New York, N.Y. 10016

DATE
11/3/2011

PROJECT No.
11338

FIGURE
1



© 2011 AKRF, Inc. Environmental Consultants. M:\AKRF\Project Files\11338 - 250 N. 10th St., Brooklyn (L COR)\PH L Update 2011\Figures\11338 Fig 2 Site Plan.dwg

Source: NYCDP (NYC Dept. of City Planning) GIS database



LEGEND:

- PROJECT SITE BOUNDARY
- LOT LINE
- BUILDING LINE

250 NORTH 10th STREET
NEW YORK, NEW YORK

SITE PLAN

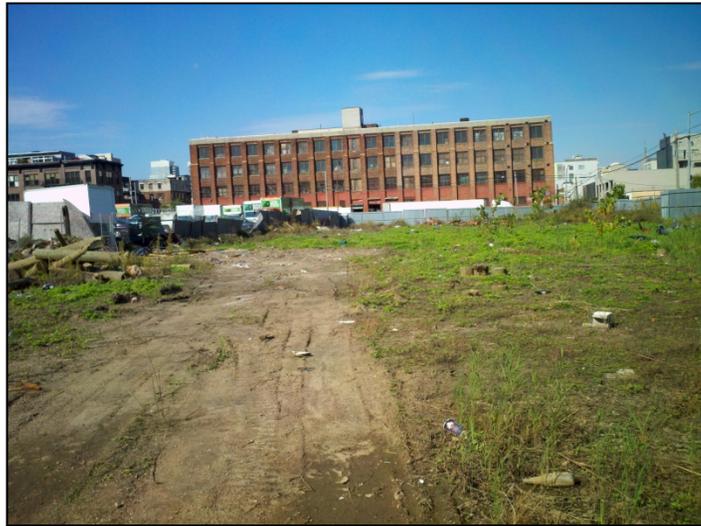
AKRF

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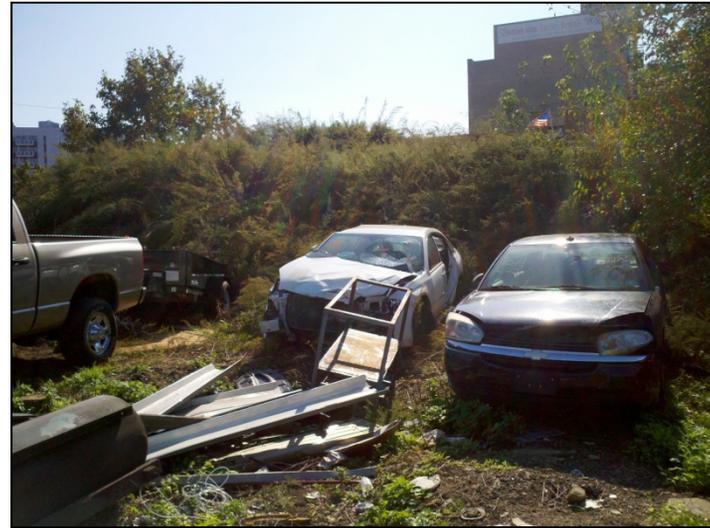
DATE 12.6.2011
PROJECT No. 11338
SCALE as shown
FIGURE 2



APPENDIX A
PHOTOGRAPHIC DOCUMENTATION



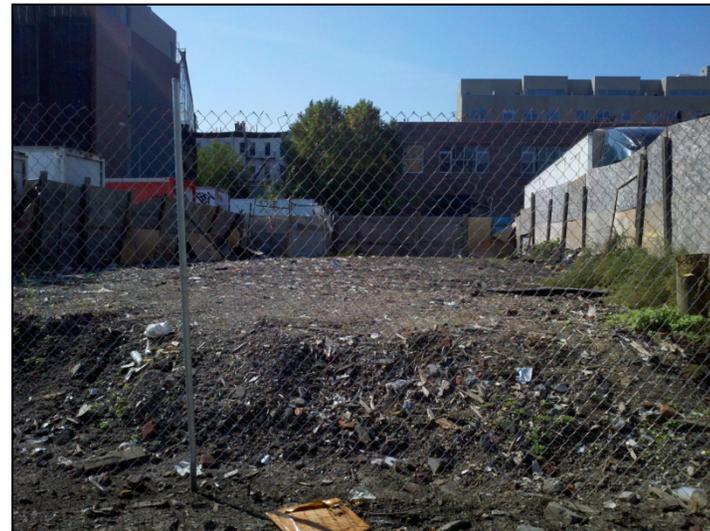
Photograph 1. Central portion of the Site, facing northwest.



Photograph 2. Stored vehicles and mounded soil on the southeastern portion of the Site.



Photograph 3. Central portion of the Site, facing east.



Photograph 4. View of Lot 31, as seen from the central portion of the Site.



Photograph 5. Construction debris and wooden piles on the southern portion of the Site.



Photograph 6. Vegetated mounded soil and concrete wall remnants on the southeastern portion of the Site, as seen from Union Avenue.



Photograph 7. Truck and vehicle parking south-adjacent to the Site.



Photograph 8. Auto repair shop located on the north-adjacent block, across North 10th Street.

APPENDIX B
HISTORICAL SANBORN MAPS



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Certification # E0F6-4DC5-B02F

Site Name: 250 North 10th Street
 Address: 250 North 10th Street
 City, ST, ZIP: Brooklyn NY 11211
 Client: AKRF, Inc.
 EDR Inquiry: 3193843.1
 Order Date: 10/25/2011 6:09:01 PM
 Certification #: E0F6-4DC5-B02F
 Copyright: 1887



LEGEND:

 PROJECT SITE BOUNDARY

250 NORTH 10th STREET
 BROOKLYN, NEW YORK

1887 SANBORN MAP



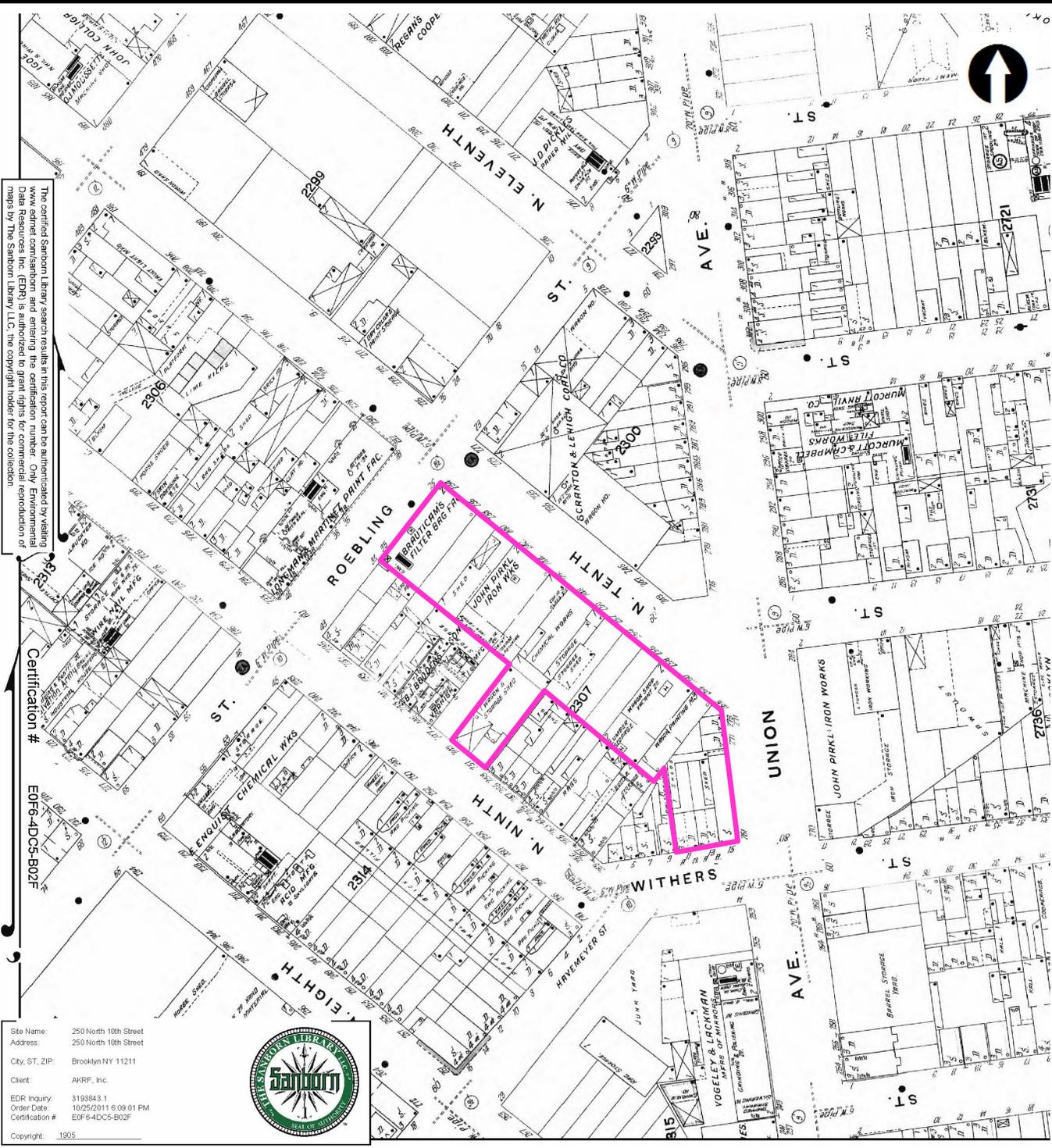
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 440 Park Avenue South, New York, N.Y. 10016

DATE	11.03.11
PROJECT No.	11338
SCALE	nts
FIGURE	Appx B

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Site Name: 250 North 10th Street
Address: 250 North 10th Street
City, ST, ZIP: Brooklyn NY 11211
Client: AKRF, Inc.
EDR Inquiry: 3198843.1
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Certification #: EDR6-4DC5-802F
Copyright: 1905



LEGEND:

 PROJECT SITE BOUNDARY

250 NORTH 10th STREET
BROOKLYN, NEW YORK

1905 SANBORN MAP

AKRF

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DATE
11.03.11

PROJECT No.
11338

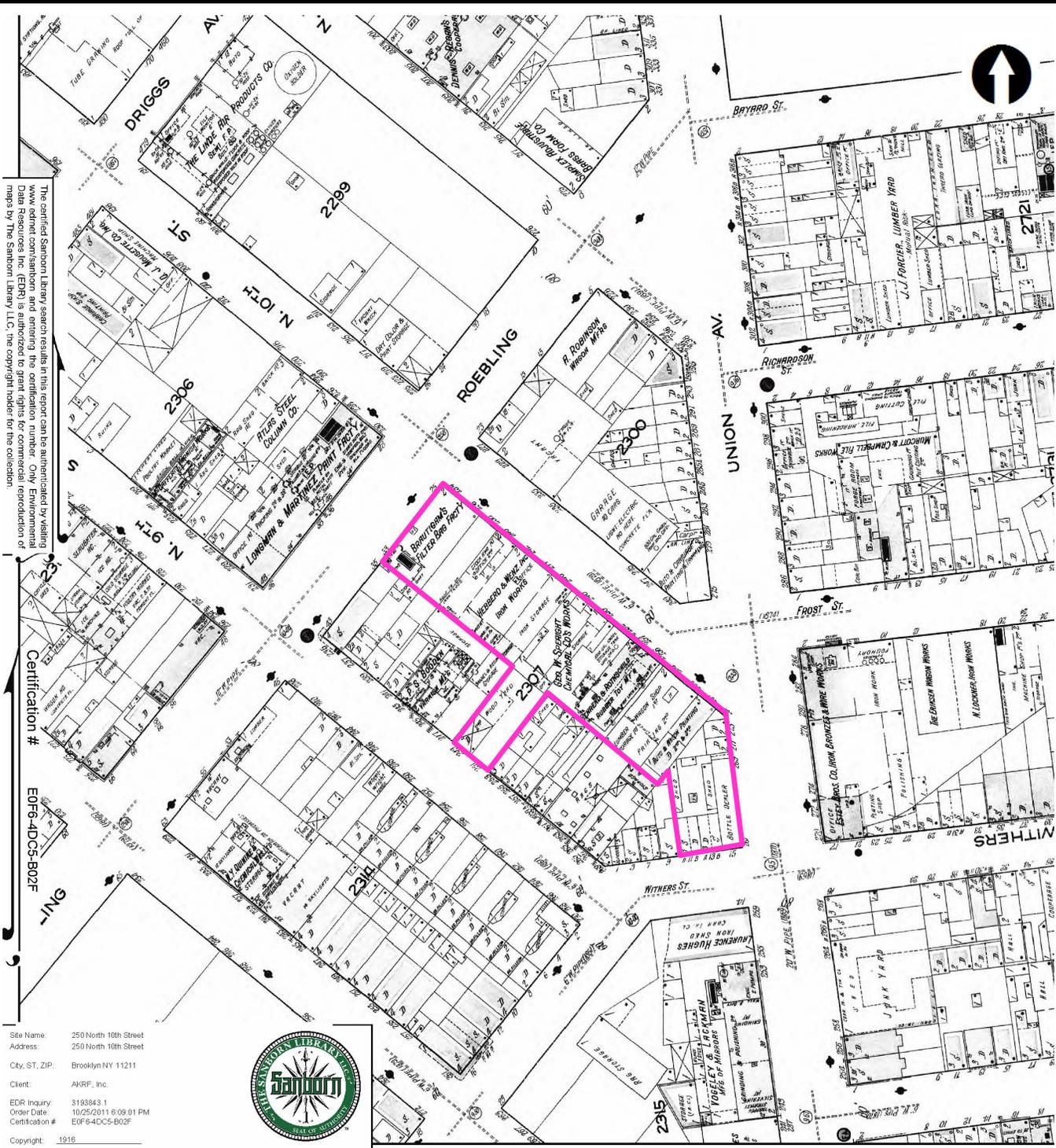
SCALE
nts

FIGURE
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Site Name: 250 North 10th Street
 Address: 250 North 10th Street
 City, ST, ZIP: Brooklyn NY 11211
 Client: AKRF, Inc.
 EDR Inquiry: 3193843.1
 Order Date: 10/25/2011 6:09:01 PM
 Certification # E0F6-4DC5-802F
 Copyright: 1916



LEGEND:

——— PROJECT SITE BOUNDARY

250 NORTH 10th STREET
 BROOKLYN, NEW YORK

1916 SANBORN MAP

AKRF

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11.03.11

PROJECT No.
11338

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Site Name: 250 North 10th Street
Address: 250 North 10th Street
City, ST, ZIP: Brooklyn NY 11211
Client: AKRF, Inc.
EDR Inquiry: 3193843.1
Order Date: 10/25/2011 6:09:01 PM
Certification #: EDF6-4DC5-802F
Copyright: 1942



LEGEND:

 PROJECT SITE BOUNDARY

**250 NORTH 10th STREET
BROOKLYN, NEW YORK**

1942 SANBORN MAP



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DATE
11.03.11

PROJECT No.
11338

SCALE
nts

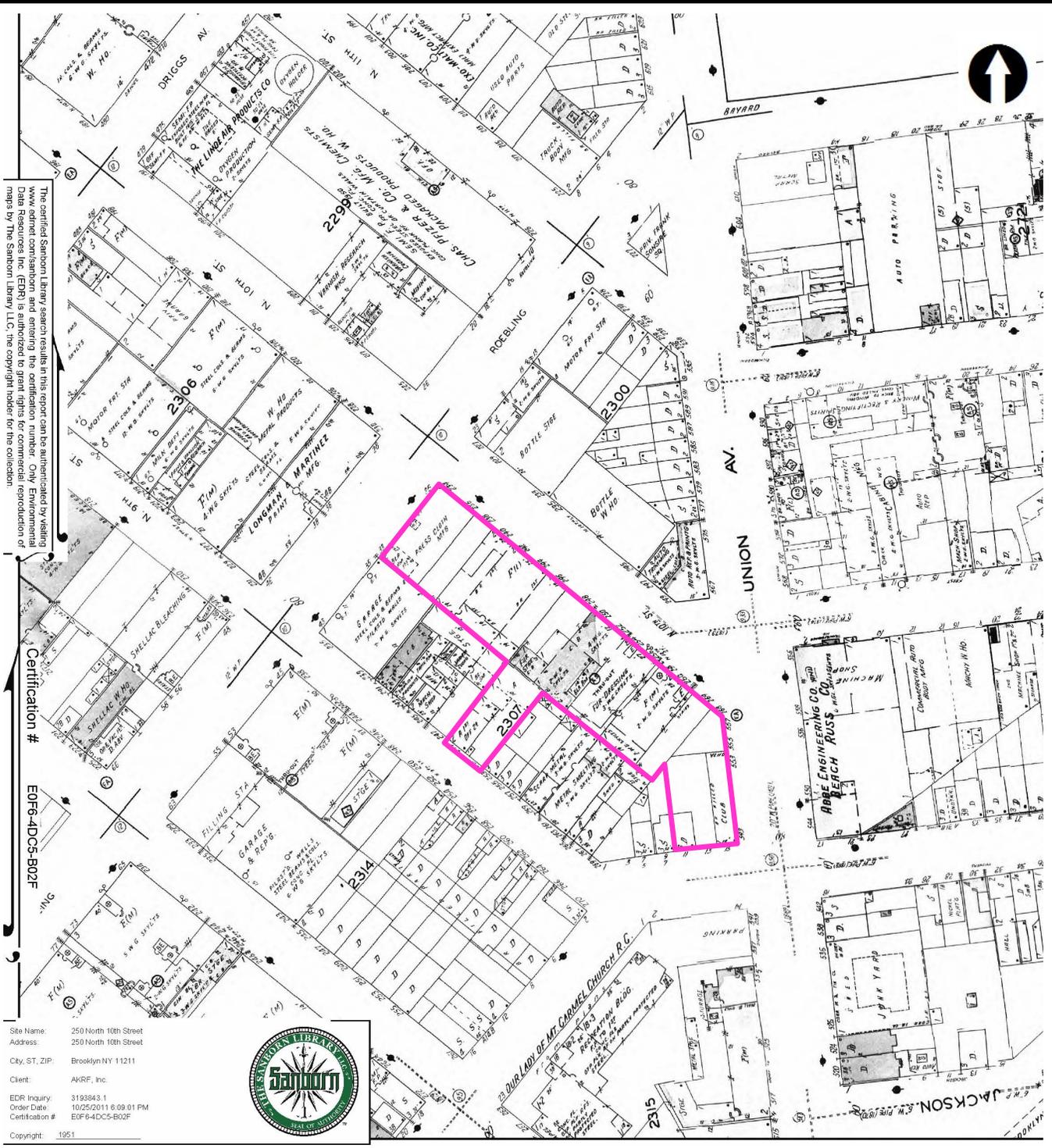
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Site Name: 250 North 10th Street
 Address: 250 North 10th Street
 City, ST, ZIP: Brooklyn NY 11211
 Client: AKRF, Inc.
 EDR Inquiry: 3193843.1
 Order Date: 10/25/2011 6:09:01 PM
 Certification #: EOF6-4DC5-802F
 Copyright: 1951



LEGEND:
 PROJECT SITE BOUNDARY

250 NORTH 10th STREET
 BROOKLYN, NEW YORK

1951 SANBORN MAP

AKRF

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Site Name: 250 North 10th Street
 Address: 250 North 10th Street
 City, ST, ZIP: Brooklyn NY 11211
 Client: AKRF, Inc.
 EDR Inquiry: 3193843.1
 Order Date: 10/25/2011 6:09:01 PM
 Certification #: E0F6-4DC5-B0ZF
 Consultant: 1965



LEGEND:
 PROJECT SITE BOUNDARY

250 NORTH 10th STREET
 BROOKLYN, NEW YORK

1965 SANBORN MAP



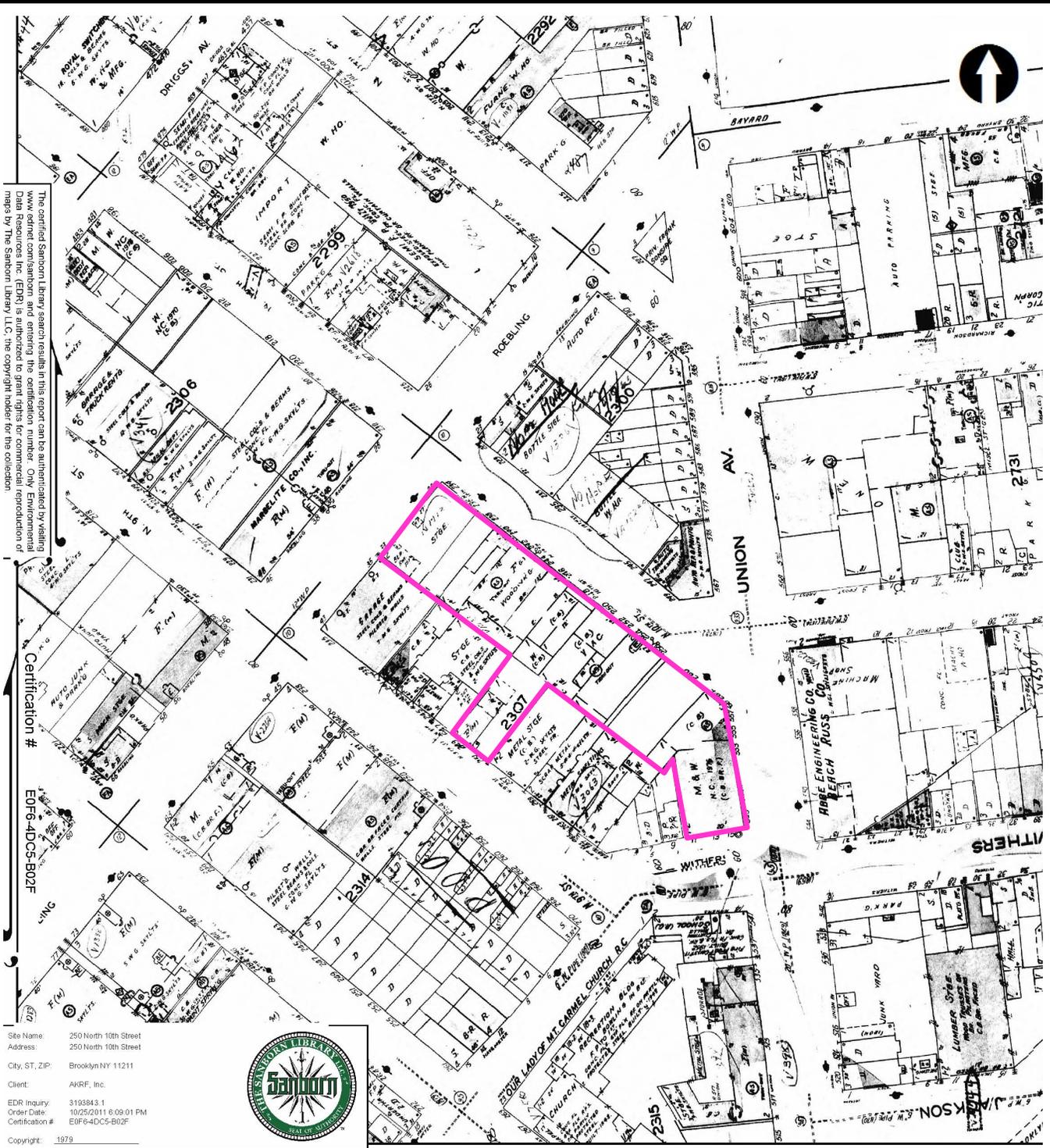
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DATE 11.03.11
PROJECT No. 11338
SCALE nts
FIGURE Appx B

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 City, ST, ZIP: Brooklyn NY 11211
 Client: AKRF, Inc.
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LEGEND:

——— PROJECT SITE BOUNDARY

250 NORTH 10th STREET
 BROOKLYN, NEW YORK

1979 SANBORN MAP

AKRF

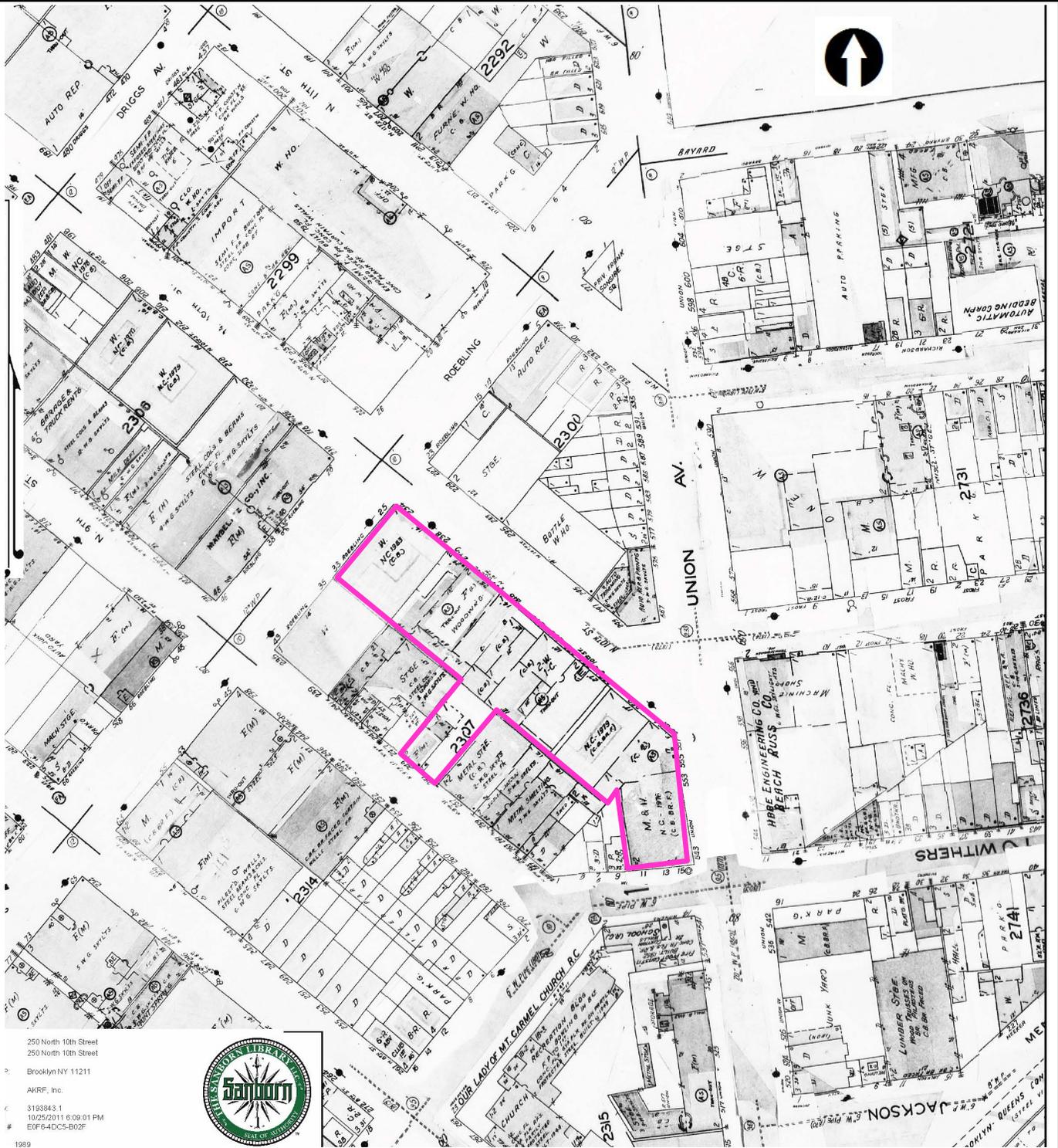
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DATE
11.03.11

PROJECT No.
11338

SCALE
nts

FIGURE
Appx B



250 North 10th Street
 250 North 10th Street
 Brooklyn NY 11211
 AKRF, Inc.
 3193943.1
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 E0F6-4DC5-B02F
 1989



LEGEND:

PROJECT SITE BOUNDARY

**250 NORTH 10th STREET
 BROOKLYN, NEW YORK**

1989 SANBORN MAP



Environmental Consultants
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DATE
11.03.11

PROJECT No.
11338

SCALE
nts

FIGURE
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Site Name: 250 North 10th Street
 Address: 250 North 10th Street
 City, ST, ZIP: Brooklyn NY 11211
 Client: AKRF, Inc.
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 Copyright: 1995



LEGEND:

 PROJECT SITE BOUNDARY

250 NORTH 10th STREET
 BROOKLYN, NEW YORK

1995 SANBORN MAP



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DATE
11.03.11

PROJECT No.
11338

SCALE
nts

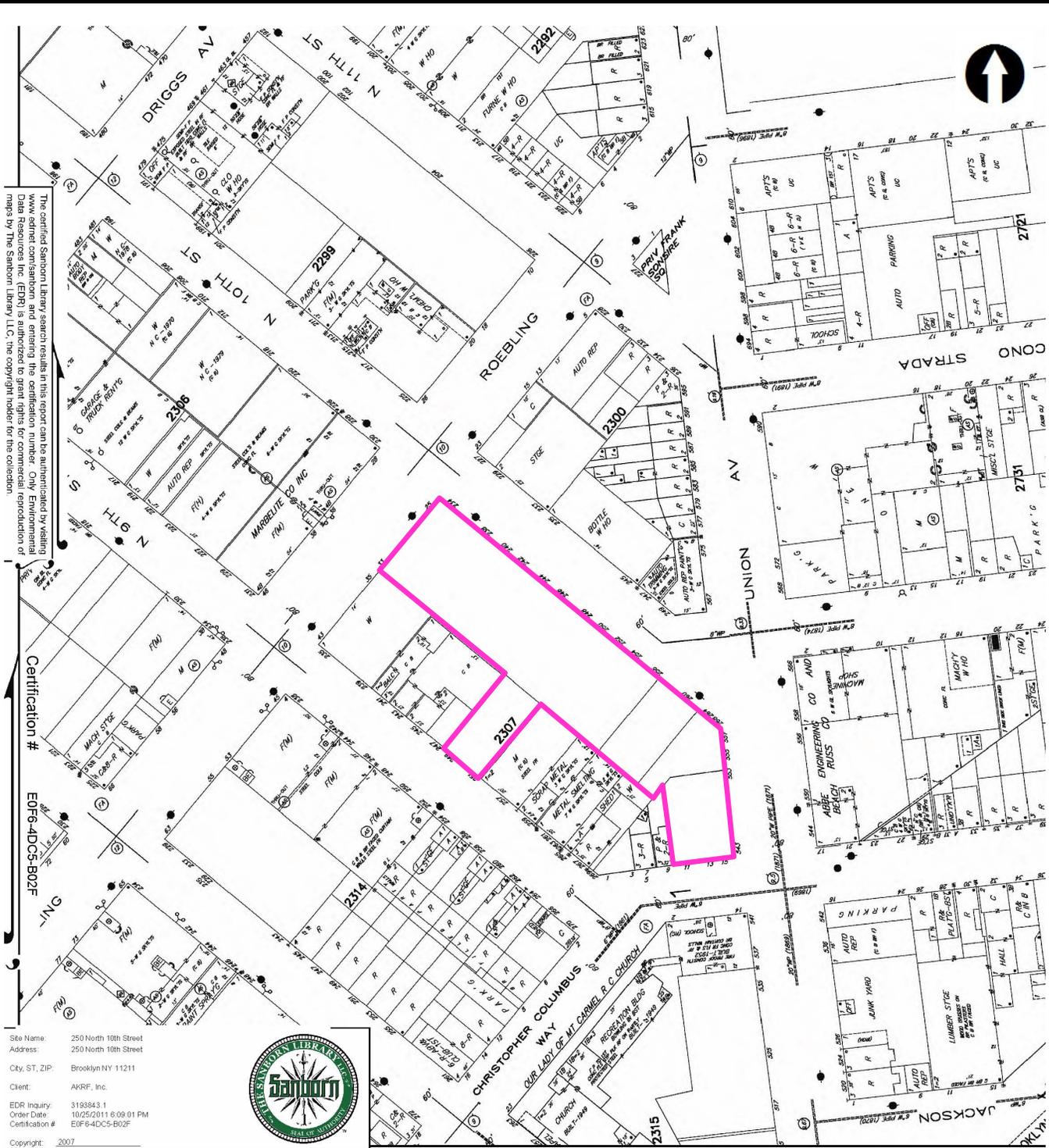
FIGURE
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Certification #

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Site Name: 250 North 10th Street
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 City, ST, ZIP: Brooklyn NY 11211
 Client: AKRF, Inc.
 EDR Inquiry: 3193843.1
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 Certification #: E0F6-4DC5-B02F
 Copyright: 2007



LEGEND:

PROJECT SITE BOUNDARY

250 NORTH 10th STREET
 BROOKLYN, NEW YORK

2007 SANBORN MAP



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DATE
11.03.11

PROJECT No.
11338

SCALE
nts

FIGURE
Appx B

APPENDIX C
REGULATORY RECORDS REVIEW

TOXICS TARGETING

PHASE I

ENVIRONMENTAL DATABASE REPORT

**250 NORTH 10TH STREET
BROOKLYN, NY 11211**

OCTOBER 18, 2011

LIMITED WARRANTY AND DISCLAIMER OF LIABILITY

Who is Covered

This limited warranty is extended by Toxics Targeting, Inc. only to the original purchaser of the accompanying Environmental Report ("Report"). It may not be assigned to any other person.

What is Warranted

Toxics Targeting, Inc. warrants that it uses reasonable care to accurately transcribe the information contained in this Report from the sources from which it is obtained. This limited warranty is in lieu of all other express warranties which might otherwise arise with respect to the Report. No one is authorized to change or add to this limited warranty.

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PLEASE REFER TO PAGES ONE AND FIVE FOR A DESCRIPTION OF SOME OF THE LIMITATIONS OF THIS ENVIRONMENTAL REPORT.

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- *The Three Sections of Your Report*
- *How to Use Your Report*
- *Toxic Site Databases Analyzed In Your Report*
- *Limitations Of the Information In Your Report*

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- *Table Two: Identified Toxic Sites By Direction*
- *Table Three: Identified Toxic Sites By Category*
- *Table Four: Identified Toxic Sites By Proximity*
- *Map One: One-Mile Radius Map*
- *Map Two: Half-Mile Radius Map*
- *Map Three: Eighth-Mile Radius Map*
- *Map Four: Eighth-Mile Radius Close-up Map*
- *Map Five: Tax Parcel Map*
- *Table Five: Tax Parcel Map Information Table*

Section Two: Toxic Site Profiles

Section Three: Appendices

- *USEPA ERNS Check*
- *Unmappable Sites*
- *Hazardous Waste Codes*
- *Information Source Guide*

Introduction

Toxics Targeting has combined environmental database searches, extensive regulatory analysis and sophisticated mapping techniques to produce your *Environmental Report*. It checks for the presence of 25 categories of government-reported toxic sites and provides detailed, up-to-date information on each identified site. The findings of your report are presented in an easy-to-understand format that:

1. ***Maps*** the approximate locations of selected government-reported toxic sites identified on or near a specified target address.
2. ***Estimates*** the distance and direction between the target address and each identified toxic site.
3. ***Reports*** air and water permit non-compliance and other regulatory violations.
4. ***Profiles*** some aspects of the usage, manufacture, storage, handling, transport or disposal of toxic chemicals at individual sites.
5. ***Summarizes*** some potential health effect information and drinking water standards for selected chemicals reported at individual sites.

The Three Sections Of Your Report

The first section highlights your report's findings by summarizing identified sites according to: **a)** distance intervals, **b)** direction, **c)** proximity to the target address and **d)** individual site categories. In addition, the locations of all identified toxic sites are illustrated on individual maps for each radius search distance used in your report. A close-up map illustrates the locations of all identified toxic sites, at the shortest radius search distance used in your report. Finally, a map of tax parcels and a table of selected information about those parcels are included.

The second section of your report contains *Toxic Site Profiles* that provide detailed information on each identified toxic site. The information in each *Toxic Site Profile* varies according to its source. Some toxic site categories have extensive information and some have limited information. All the information is updated on a regular basis.

The third section of the report contains appendices that identify: **1)** on-site spills reported to the national Emergency Response Notification System (ERNS), **2)** various toxic sites that cannot be mapped due to incomplete or erroneous addresses or other mapping problems, **3)** codes that characterize hazardous wastes reported at various facilities, **4)** methods used to map toxic sites identified in your report and **5)** information sources used in your report.

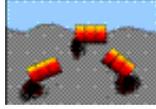
How to Use Your Report

- Check Table One to see the number of identified sites by distance intervals.
- Check Table Two to see identified sites sorted by direction.
- Check Table Three to see identified sites ranked by proximity to the target address.
- Check Table Four to see identified sites sorted by site categories.
- Use Table Five to get info for the subject parcel and every parcel found on the Tax Parcel Map
- Refer to the various maps to see the locations of identified toxic sites. Refer to the *Toxic Site Profile* and *Appendix* sections for additional information.

Toxic Site Databases Analyzed In Your Report

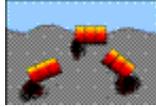
Search Radius

One-Mile



1) **National Priority List for Federal Superfund Cleanup**: a listing of sites known to pose environmental or health hazards that are being investigated or cleaned up under the Federal Superfund program.

Half-Mile



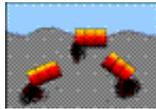
2) **Delisted National Priority List Sites**: a listing of NPL sites that have been removed from the National Priority List.

One-Mile



3) **New York Inactive Hazardous Waste Disposal Site Registry**: a state listing of sites that can pose environmental or public health hazards requiring investigation or clean up.

One-Mile



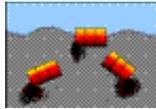
4) **New York Inactive Hazardous Waste Disposal Site Registry Qualifying**: a state listing of sites that qualify for possible inclusion to the NYDEC Inactive Haz. Waste Disposal Site Registry.

One-Mile



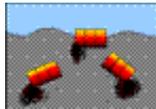
5) **RCRA Corrective Action Activity (CORRACTS)**: waste facilities with RCRA corrective action activity reported by the USEPA.

Half-Mile



6) **CERCLIS** (Comprehensive Environmental Response, Compensation and Liability Information System): a federal listing of Non-NFRAP sites that can pose environmental or public health hazards requiring investigation or clean up.

Half-Mile



7) **CERCLIS NFRAP**: a federal listing of CERCLIS sites that have no further remedial action planned.

Half-Mile



8) **New York State Brownfield Cleanup Sites**: a listing of sites that are abandoned, idled or under-used industrial and commercial sites where expansion or redevelopment is complicated by real or perceived environmental contamination.

Half-Mile



9) **New York Solid Waste Facilities Registry**: active and inactive landfills, incinerators, transfer stations or other solid waste management facilities.

Half-Mile



10) **New York City 1934 Solid Waste Sites**: a listing of solid waste disposal sites operated by New York City municipal authorities circa 1934.

Half-Mile



11) ***New York and Federal Hazardous Waste Treatment, Storage or Disposal Facilities:*** sites reported by the NYS manifest system and the USEPA's Resource Conservation and Recovery Act Information System (RCRIS). Also includes the following database:

- ***RCRA violations:*** waste facilities with violations reported by the USEPA pursuant to the Resource Conservation and Recovery Act.

Half-Mile



12) ***Toxic Spills: active and inactive or closed*** spills reported to state environmental authorities, including *remediated* and *unremediated* leaking underground storage tanks. This database includes the following categories:

- Tank Failures
- Tank Test Failures
- Unknown Spill Cause or Other Spill Causes
- Miscellaneous Spill Causes

Eighth-Mile



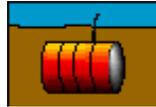
13) ***New York State Major Oil Storage Facilities:*** sites with more than a 400,000 gallon capacity for storing petroleum products.

Eighth-Mile



14) ***New York State Petroleum Bulk Storage Facilities:*** sites with more than an 1,100 gallon capacity for storing petroleum products.

Eighth-Mile



15) ***New York City Fire Dept Tank Data:*** tank data from 1997.

Eighth-Mile



16) ***New York and Federal Hazardous Waste Generators and Transporters:*** sites reported by the NYS manifest system and the USEPA's Resource Conservation and Recovery Act Information System (RCRA). Also includes the following database:

- ***RCRA violations:*** waste facilities with violations reported by the USEPA pursuant to the Resource Conservation and Recovery Act.

Eighth-Mile



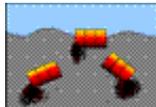
17) ***New York Chemical Bulk Storage Facilities:*** sites storing hazardous substances listed in 6 NYCRR Part 597 in aboveground tanks with capacities of 185 gallons or more and/or underground tanks of any size

Eighth-Mile



18) ***Historic New York City Utility Sites (1890's to 1940's):*** power generating stations, manufactured gas plants, gas storage facilities, maintenance yards and other gas and electric utility sites.

Half-Mile



19) ***New York Hazardous Substance Disposal Site Draft Study:*** a state listing of sites contaminated with toxic substances that can pose environmental or public health hazards. These sites were not eligible for state clean up funding programs.

Eighth-Mile



20) ***Federal Toxic Release Inventory Facilities:*** discharges of selected toxic chemicals to air, land, water or treatment facilities.

Eighth-Mile



21) ***Federal Air Discharges:*** air pollution point sources monitored by U.S. EPA and/or state and local air regulatory agencies.

Eighth-Mile



22) ***Federal Permit Compliance System Toxic Wastewater Discharges:*** permitted toxic wastewater discharges.

Eighth-Mile



23) ***Federal Civil and Administrative Enforcement Docket:*** judiciary cases filed on behalf of the U. S. Environmental Protection Agency by the Department of Justice.

On-site only
(250 ft)



24) ***New York City Environmental Quality Review (CEQR) – E Designation Sites:*** parcels assigned a special environmental (“E”) designation under the CEQR process. E designation requires specific protocols that must be followed.

Property only



25) ***ERNS: Federal Emergency Response Notification System Spills:*** a listing of federally reported spills.

Limitations Of The Information In Your Report

The information presented in your *Environmental Report* has been obtained from various local, state and federal government agencies. Please be aware that: **1)** additional information on individual sites may be available, **2)** newly discovered sites are continually reported and **3)** all map locations are approximate. As a result, this report is intended to be the **FIRST STEP** in the process of identifying and evaluating possible environmental threats to specific properties and can only serve as a guide for conducting on-site visits or additional, more detailed toxic hazard research.

Toxics Targeting tries to ensure that the information in your report is presented accurately and with minimal alteration. Systematic changes are made to correct obvious address errors in order to allow sites to be mapped. Any address changes that are made are noted in the map information section at the top of each corresponding *Toxic Site Profile*. Some information that has been withheld by government authorities remains included in Toxic Site Profiles and is identified as archival information. Since the information presented in your report is not edited, please be aware that it can contain reporting errors or typographical mistakes made by the site owners/operators or government agencies that produced the information. Also please be aware of some other limitations of the information in your report:

- The digital map used by *Toxics Targeting* is the same one used by the U. S. Census or local authorities in New York City. While the map is generally accurate, no map is perfect. In addition, *Toxics Targeting's* mapping methods estimate where toxic site addresses are located if the address is not specifically designated. **FOR THESE REASONS, ALL MAP LOCATIONS OF ADDRESSES AND REPORTED TOXIC SITES SHOULD BE CONSIDERED APPROXIMATE AND SHOULD BE VERIFIED BY ON-SITE VISITS;**
- **UNDISCOVERED, UNREPORTED OR UNMAPPABLE TOXIC SITES MIGHT NOT BE IDENTIFIED BY THIS REPORT'S CHECK OF 25 TOXIC SITE CATEGORIES. TOXIC SITES REPORTED IN OTHER GOVERNMENT DATABASES MIGHT ALSO EXIST. FOR THESE REASONS, YOUR REPORT MIGHT NOT IDENTIFY ALL THE TOXIC SITES THAT EXIST IN THE AREA IT SEARCHES;**
- The appendix of your report contains a listing of sites that could not be mapped due to incomplete or erroneous address information or other mapping problems. This listing includes unmappable toxic sites in the zip codes searched for the report as well as toxic sites without zip codes reported in the same county. **IF YOU WOULD LIKE INFORMATION ON ANY OF THE LISTED SITES, PLEASE CONTACT *TOXICS TARGETING* AND REFER TO THE SITE ID NUMBER.**
- New York State Department of Environmental Conservation Remediation Site Borders are approximate and may not align with tax parcel boundaries mapped by local authorities or the digital map used by the US Census Bureau. As a result, Remediation Site Borders may overlap parcels that do not involve site remediation activities. Selected parcels also can involve multiple Remediation Site Borders. Refer to individual site profiles for more information. Sites without profiles include potential new sites or sites that have not yet been publicly listed by DEC.
- Some toxic sites identified in your report may be classified as **known hazards**. Most of the toxic sites identified in your report involve **potential hazards** related to the on-site use, manufacture, handling, storage, transport or disposal of toxic chemicals. Some of the toxic sites identified in your report may be the addresses of parties responsible for toxic sites located elsewhere. **YOU SHOULD ONLY CONCLUDE THAT TOXIC HAZARDS ACTUALLY EXIST AT A SPECIFIC SITE WHEN GOVERNMENT AUTHORITIES MAKE THAT DETERMINATION OR WHEN THAT CONCLUSION IS FULLY DOCUMENTED BY THE FINDINGS OF AN APPROPRIATE SITE INVESTIGATION UNDERTAKEN BY LICENSED PROFESSIONALS;**

- Compass directions and distances are approximate. Compass directions are calculated from the subject property address to the mapped location of each identified toxic site. The compass direction does not necessarily refer to the closest property boundary of an identified toxic site. The compass direction also can vary substantially for toxic sites that are located very close to the subject property address.
- The information presented in your report is a summary of the information that *Toxics Targeting* obtains from government agencies on reported toxic sites. **YOU MAY BE ABLE TO OBTAIN ADDITIONAL INFORMATION ABOUT REPORTED SITES WITH THE FREEDOM OF INFORMATION REQUEST FORM LETTERS THAT ARE PROVIDED ON THE INSIDE OF THE BACK COVER.**

Section One:

Report Summary

- *Table One: Number of Identified Toxic Sites By Distance Interval*
- *Table Two: Identified Toxic Sites By Direction*
- *Table Three: Identified Toxic Sites By Category*
- *Table Four: Identified Toxic Sites By Proximity*
- *Map One: One-Mile Radius Map*
- *Map Two: Half-Mile Radius Map*
- *Map Three: Eighth-Mile Radius Map*
- *Map Four: Eighth-Mile Radius Close up Map*
- *Map Five: Tax Parcel Map*
- *Table Five: Tax Parcel Map Information Table*

NUMBER OF IDENTIFIED SITES BY DISTANCE INTERVAL

Database Searched	0 - 100 ft	100 ft - 1/8 mi	1/8 mi - 1/4 mi	1/4 mi - 1/2 mi	1/2 mi - 1 mi	Site Category Totals
ASTM-Required 1 Mile Search						
National Priority List (NPL) Sites	0	0	0	0	0	0
NYS Inactive Hazardous Waste Disposal Site Registry	0	0	1	2	5	8
NYS Inactive Haz Waste Disposal Site Registry Qualifying	0	0	0	0	3	3
RCRA Corrective Action (CORRACTS) Sites	0	0	0	0	1	1
ASTM-Required 1/2 Mile Search						
Delisted National Priority List (NPL) Sites	0	0	0	0	Not searched	0
CERCLIS Superfund Non-NFRAP Sites	0	0	0	0	Not searched	0
CERCLIS Superfund NFRAP Sites	0	0	0	2	Not searched	2
Brownfields Sites						
Voluntary Cleanup Program	0	0	0	0	Not searched	0
Environmental Restoration Program	0	0	0	0	Not searched	0
Brownfield Cleanup Program	0	0	0	2	Not searched	2
NYSDEC Solid Waste Facilities / Landfills	0	0	0	2	Not searched	2
RCRA Hazardous Waste Treatment, Storage, Disposal Sites	0	0	0	0	Not searched	0
NYS Toxic Spills						
Active Tank Failures	0	0	1	0	Not searched	1
Active Tank Test Failures	0	0	1	0	Not searched	1
Active Spills - Unknown / Other Causes	0	2	3	10	Not searched	15
Active Spills - Miscellaneous Causes	0	0	1(1)	1(3)	Not searched	2(4)
Closed Tank Failures	0	1	4	5	Not searched	10
Closed Tank Test Failures	0	1	5	14	Not searched	20
Closed Spills - Unknown / Other Causes	0	22	33	144	Not searched	199
Closed Spills - Miscellaneous Causes	0	3	0(21)	12(96)	Not searched	15(117)
ASTM-Required Property & Adjacent Property (1/8 Mile Search)						
NYS Major Oil Storage Facilities	0	0	Not searched	Not searched	Not searched	0
Local & State Petroleum Bulk Storage Sites	1	13	Not searched	Not searched	Not searched	14
RCRA Hazardous Waste Generators & Transporters	0	8	Not searched	Not searched	Not searched	8
NYS Chemical Bulk Storage Sites	0	1	Not searched	Not searched	Not searched	1
Historic Utility Facilities	0	0	Not searched	Not searched	Not searched	0
ASTM-Required On-Site Only Search						
NYC Environmental Quality Review Requirements ("E") Sites*	3	9	Not searched	Not searched	Not searched	12
Emergency Response Notification System (ERNS)	0	Not searched	Not searched	Not searched	Not searched	0
Institutional Controls / Engineering Controls (IC/EC)	See databases for NPL, CERCLIS, Inactive Hazardous Waste Disposal Site Registry and Brownfield Sites.					
ASTM-Required Databases Distance Interval Totals	4	60	49(22)	194(99)	9	316(121)

Numbers in () indicate spills not mapped and profiled in this report, and are listed at the end of the active and closed spills sections. See these lists for a description of the parameters involved with identifying these spills.

* NYC Environmental Quality Review Requirements ("E") Sites were searched at 250 feet.

NOTE: Table continues on next page.

Non-ASTM Databases 1/2 Mile Search

1934 NYC Municipal Waste Landfills	0	0	0	0	Not searched	0
Hazardous Substance Waste Disposal Sites	0	0	0	1	Not searched	1

Non-ASTM Databases 1/8 Mile Search

Toxic Release Inventory Sites (TRI)	0	0	Not searched	Not searched	Not searched	0
Permit Compliance System (PCS) Toxic Wastewater Discharges	0	0	Not searched	Not searched	Not searched	0
Air Discharges	1	4	Not searched	Not searched	Not searched	5
Civil & Administrative Enforcement Docket Facilities	0	0	Not searched	Not searched	Not searched	0

Non-ASTM Databases Distance Interval Totals	1	4	0	1	Not Searched	6
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<i>Distance Interval Totals</i>	5	64	49(22)	195(99)	9	322(121)
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Numbers in () indicate spills not mapped and profiled in this report, and are listed at the end of the active and closed spills sections. See these lists for a description of the parameters involved with identifying these spills.

Identified Toxic Sites by Direction

250 North 10th Street
Brooklyn, NY 11211

* Compass directions can vary substantially for sites located very close to the subject property address.

Sites less than 100 feet from subject property sorted by distance

Map Id#	Site Name	Site Street	Approximate Distance & Direction From Property	Toxic Site Category
307	ALPHA-EMPIRON BUILDING CORP	240 NORTH 10TH STREET	0 feet	Air Discharge Site
312		BLOCK: 2307 LOT: 1	0 feet	NYC Env. Qual. Review-"E" Designation
313		BLOCK: 2307 LOT: 33	86 feet to the SW*	NYC Env. Qual. Review-"E" Designation
283	WING HON HOLDING, INC.	237-243 NORTH 9TH STREET	87 feet to the WSW*	Petroleum Bulk Storage Site
314		BLOCK: 2307 LOT: 36	99 feet to the WSW*	NYC Env. Qual. Review-"E" Designation

Sites between 100 ft and 660 ft from the subject property sorted by direction and distance

Map Id#	Site Name	Site Street	Approximate Distance & Direction From Property	Toxic Site Category
322		BLOCK: 2300 LOT: 1	219 feet to the N	NYC Env. Qual. Review-"E" Designation
71	BETWEN NORTH 10 /11TH	ROEBLING	300 feet to the N	Closed Status Spill (Unk/Other Cause)
79	MANHOLE #4837	ROEBLING AVE/NORTH 11TH	401 feet to the N	Closed Status Spill (Unk/Other Cause)
80	CONSTRUCTION SITE	ROEBLING STR/NORTH 11TH	401 feet to the N	Closed Status Spill (Unk/Other Cause)
81	CONSTRUCTION SITE	NORTH 11TH ST & ROEBLING	401 feet to the N	Closed Status Spill (Unk/Other Cause)
268	NORTH 11TH	ROEBLING STREET	401 feet to the N	Closed Status Spill (Misc. Spill Cause)
269	TM 1142	11TH/ROEBLING STREET	401 feet to the N	Closed Status Spill (Misc. Spill Cause)
39	UNKNOWN GAS STATION	2 ROEBLING ST	507 feet to the N	Closed Status Tank Failure
86	GAS STATION	2 ROEBLING ST	507 feet to the N	Closed Status Spill (Unk/Other Cause)
291	SUMET I ASSOCIATES	215 ROEBLING ST.	507 feet to the N	Petroleum Bulk Storage Site
292	LOS SURES MGMT CORP.	215 ROEBLING ST	507 feet to the N	Petroleum Bulk Storage Site
311	GLOBE LAMINATING	203-209 NRTH 11TH ST	607 feet to the N	Air Discharge Site
318		BLOCK: 2300 LOT: 26	172 feet to the NNE*	NYC Env. Qual. Review-"E" Designation
286	ROEBLING VIEW NORTH, LLC	5 ROEBLING STREET	316 feet to the NNE	Petroleum Bulk Storage Site
287	J. TUOMEY TRUCK REPAIRS	5 ROEBLING ST	316 feet to the NNE	Petroleum Bulk Storage Site
74	MANHOLE #4900	NORTH 11TH ST/UNION AVE	354 feet to the NE	Closed Status Spill (Unk/Other Cause)
87	ABANDONED BUCKET	9 RICHARDSON ST	509 feet to the NE	Closed Status Spill (Unk/Other Cause)
320		BLOCK: 2300 LOT: 20	186 feet to the ENE*	NYC Env. Qual. Review-"E" Designation
76	CONSTRUCTION/EXCAVATION SITE	568 UNION AVENUE	386 feet to the ENE	Closed Status Spill (Unk/Other Cause)
289	568-580 UNION AVENUE	568-580 UNION AVENUE	391 feet to the ENE	Petroleum Bulk Storage Site
295	AUTOMATIC BEDDING	25 RICHARDSON ST	617 feet to the ENE	Petroleum Bulk Storage Site
301	P & G PHOTO ENGRAVING	17 FROST ST	478 feet to the E	Hazardous Waste Generator/Transporter

288	544 UNION OWNER LLC	544 UNION AVENUE	372 feet to the ESE	Petroleum Bulk Storage Site
298	544 UNION OWNER LLC	544 UNION AVENUE	385 feet to the ESE	Hazardous Waste Generator/Transporter
319		BLOCK: 2307 LOT: 14	175 feet to the SE*	NYC Env. Qual. Review-"E" Designation
321		BLOCK: 2307 LOT: 16	215 feet to the SE	NYC Env. Qual. Review-"E" Designation
77	MANHOLE 4925	WITHERS ST/UNION AV	387 feet to the SE	Closed Status Spill (Unk/Other Cause)
78	MANHOLE 53375	WITHERS ST/ UNION AVE	387 feet to the SE	Closed Status Spill (Unk/Other Cause)
270		526 UNION AVE	528 feet to the SE	Closed Status Spill (Misc. Spill Cause)
309	UNION SCRAP METALS	526 UNION AVENUE	553 feet to the SE	Air Discharge Site
70	WAREHOUSE	261 NORTH 9TH STREET	144 feet to the SSE*	Closed Status Spill (Unk/Other Cause)
317		BLOCK: 2307 LOT: 27	161 feet to the SSE*	NYC Env. Qual. Review-"E" Designation
297	261 DEVELOPMENT GROUP	261 N 9TH ST	174 feet to the SSE*	Hazardous Waste Generator/Transporter
323		BLOCK: 2307 LOT: 25	223 feet to the SSE	NYC Env. Qual. Review-"E" Designation
72	MH 4927	HAVERMAYER ST/N 9TH ST	315 feet to the SSE	Closed Status Spill (Unk/Other Cause)
89	MANHOLE 4930	UNION AVE/JACKSON ST	609 feet to the SSE	Closed Status Spill (Unk/Other Cause)
294	OUR LADY OF MOUNT CARMEL R.C. CHURCH	11-23 HAVEMEYER STREET	613 feet to the SSE	Petroleum Bulk Storage Site
49	CLOSED-LACKOF RECENT INFO	275 NORTH 8TH ST.	617 feet to the SSE	Closed Status Tank Test Failure
315		BLOCK: 2307 LOT: 31	105 feet to the S*	NYC Env. Qual. Review-"E" Designation
90	MANHOLE 16282	IFO 288 NO 8TH ST	630 feet to the S	Closed Status Spill (Unk/Other Cause)
310	PURTAIN LIGHTING FIXTURE COMPA	255 N 7TH ST	604 feet to the SSW	Air Discharge Site
304	PURITAN LIGHTING FIXTURE CO	255 N 7TH ST	622 feet to the SSW	Hazardous Waste Generator/Transporter
296	HILDA GEBBERD	28 HAVEMEYER ST	650 feet to the SSW	Petroleum Bulk Storage Site
284	238 NORTH 9TH STREET REALTY CORP.	238 NORTH 9TH STREET	244 feet to the SW	Petroleum Bulk Storage Site
22	PROPERTY	55 ROEBLING ST	338 feet to the SW	Active Haz Spill (Unknown/Other Cause)
308	PURITAN LIGHTING	246 NORTH 8TH ST	491 feet to the SW	Air Discharge Site
82	W OF ROBLING AV	N 8TH ST	466 feet to the WSW	Closed Status Spill (Unk/Other Cause)
300	CONSOLIDATED EDISON	V069-N 8TH & ROEBLING	466 feet to the WSW	Hazardous Waste Generator/Transporter
69	COMMERICAL VACANT LOT	235-239 N 9TH STREET	128 feet to the W*	Closed Status Spill (Unk/Other Cause)
316		BLOCK: 2307 LOT: 38	128 feet to the W*	NYC Env. Qual. Review-"E" Designation
73	AUNT HEDDY'S BAKERY	234 NORTH 9TH STREET	340 feet to the W	Closed Status Spill (Unk/Other Cause)
293	WING HON HOLDING	212-218 NORTH 9TH STREET	517 feet to the W	Petroleum Bulk Storage Site
285	ATLAS FEATHER CORP	38 ROEBLING ST	275 feet to the WNW	Petroleum Bulk Storage Site
83	213 NORTH 9TH STREET	213-217 NORTH 9TH STREET	471 feet to the WNW	Closed Status Spill (Unk/Other Cause)
303	ATELIER VIOLETT	505 DRIGGS AVE	615 feet to the WNW	Hazardous Waste Generator/Transporter
302	ADELPHIA CONTAINER CORP	206 N 10TH ST	550 feet to the NW	Hazardous Waste Generator/Transporter
305	ROBINSON BROS. INDUSTRIES, CORP.	215 NORTH 10TH ST	363 feet to the NNW	Chemical Bulk Storage Facility
75	AMONIUM HYDROCHLORIDE SPI	215 N. 10TH ST	378 feet to the NNW	Closed Status Spill (Unk/Other Cause)
299	MCCAREN MEWS LLC	204 NORTH 11TH STREET	452 feet to the NNW	Hazardous Waste Generator/Transporter
23	N 11TH STREET SIDEWALK	204-214 NORTH 11TH ST	487 feet to the NNW	Active Haz Spill (Unknown/Other Cause)
84	EXCAVATION	214 NORTH 11TH STREET	487 feet to the NNW	Closed Status Spill (Unk/Other Cause)
85	EXCAVATION SITE	204-214 NORTH 11TH ST	487 feet to the NNW	Closed Status Spill (Unk/Other Cause)
290	MC CAREN PARK MEWS, LLC	204 NORTH 11TH STREET	487 feet to the NNW	Petroleum Bulk Storage Site
88	COMMERCIAL PROPERTY	200 NORTH 11TH STREET	608 feet to the NNW	Closed Status Spill (Unk/Other Cause)

Sites equal to or greater than 660 ft from subject property sorted by direction and distance

Map Id#	Site Name	Site Street	Approximate Distance & Direction From Property	Toxic Site Category
59	AUTOMOTIVE HIGH SCHOOL - TTF	50 BEDFORD AVENUE	1798 feet to the N	Closed Status Tank Test Failure
60	PS 610	50 BEDFORD AVENUE	1798 feet to the N	Closed Status Tank Test Failure
185	19 NASSAU AVE./CORNER OF	19 NASSAU AVE	1999 feet to the N	Closed Status Spill (Unk/Other Cause)
216	MANHOLE 4376 AND BEDFORD	AVE AND LOROMIER AVE	2259 feet to the N	Closed Status Spill (Unk/Other Cause)
217	MH 4374	NASSAU AV/LAURAMAR AV	2259 feet to the N	Closed Status Spill (Unk/Other Cause)
179	MANHOLE 4379	DRIGGS AVE&MANHATTAN AVE	1961 feet to the NNE	Closed Status Spill (Unk/Other Cause)
180	**DRILL** TM 755 **DRILL**	**DRILL** DRIGGS AVE/MANHATTAN AV	1961 feet to the NNE	Closed Status Spill (Unk/Other Cause)
62	BRUMAR SHEET METAL INC	498 LEONARD STREET	2098 feet to the NNE	Closed Status Tank Test Failure
225	606 MANHATTAN AVENUE	606 MANHATTAN AVENUE	2297 feet to the NNE	Closed Status Spill (Unk/Other Cause)
229	BOGUMIL HOME	101 ECKFORD STREET	2410 feet to the NNE	Closed Status Spill (Unk/Other Cause)
35	99 CENT STORE	640 MANHATTAN AVE	2585 feet to the NNE	Active Haz Spill (Unknown/Other Cause)
252	MANHOLE #4382	640 MANHATTAN AVE	2585 feet to the NNE	Closed Status Spill (Unk/Other Cause)
11	MOBIL OIL BROOKLYN TERMINAL	300 N. HENRY ST.	5121 feet to the NNE	NYSDEC Inactive Haz Waste Disposal Site
12	CARBONA PRODUCTS	330 CALYER STREET	5134 feet to the NNE	NYSDEC Inactive Haz Waste Registry Qual.
26	INSIDE MCCARREN POOL	BAYARD AND LORIMER ST.	999 feet to the NE	Active Haz Spill (Unknown/Other Cause)
175	CONSTRUCTION SITE	474 LEONARD STREET	1917 feet to the NE	Closed Status Spill (Unk/Other Cause)
230	GREEN POINT CAR WASH, INC.	(AKA AUTOCLEAN CARWASH, INC.)	2456 feet to the NE	Closed Status Spill (Unk/Other Cause)
9	FORMER SPIC AND SPAN CLEANERS AND DYERS, INC.	315 KINGSLAND AVENUE	4723 feet to the NE	NYSDEC Inactive Haz Waste Disposal Site
105	704 LORIMER ST	704 LORIMER ST	948 feet to the ENE	Closed Status Spill (Unk/Other Cause)
40	68 RICHARDSON STREET	68 RICHARDSON STREET	1033 feet to the ENE	Closed Status Tank Failure
20	ENGINE CO. 229 FDNY -DDC	76 RICHARDSON STREET	1230 feet to the ENE	Active Tank Failure
122	COMMERCIAL LOT	407 LEONARD STREET/BAYARD	1307 feet to the ENE	Closed Status Spill (Unk/Other Cause)
123	COMMERCIAL LOT	407 LEONARD ST	1307 feet to the ENE	Closed Status Spill (Unk/Other Cause)
45	GAS STATION	392 LEONARD STREET	1400 feet to the ENE	Closed Status Tank Failure
128		392 LEONARD STREET	1400 feet to the ENE	Closed Status Spill (Unk/Other Cause)
129	CONSTRUCTION SITE	392 LEONARD STREET	1400 feet to the ENE	Closed Status Spill (Unk/Other Cause)
130	VS 3971	BAYARD ST/LENARD ST	1419 feet to the ENE	Closed Status Spill (Unk/Other Cause)
133	SERVICE BOX	87 RICHARDSON ST	1451 feet to the ENE	Closed Status Spill (Unk/Other Cause)
134	MANHOLE (UNK #)	87 RICHARDSON ST	1451 feet to the ENE	Closed Status Spill (Unk/Other Cause)
163	TRANSMISSION MANHOLE 71303	MEEKER AND RICHARDSON ST	1815 feet to the ENE	Closed Status Spill (Unk/Other Cause)
173	COMMERCIAL PROPERTY	120 NEWTON AVENUE	1900 feet to the ENE	Closed Status Spill (Unk/Other Cause)
306	CITY BARREL	421 MEEKER STREET	1948 feet to the ENE	Hazardous Substance Waste Disposal Site
2	CITY BARREL CO.	421-429 MEEKER STREET	1957 feet to the ENE	NYSDEC Inactive Haz Waste Disposal Site
15	CITY BARREL	421-429 MEEKER ST	1957 feet to the ENE	CERCLIS Superfund NFRAP Site
186	CHLORINE FACTORY	126 NEWTON ST	2000 feet to the ENE	Closed Status Spill (Unk/Other Cause)
63	UNITED AMBULETTE	495 GRAHAM AVE	2141 feet to the ENE	Closed Status Tank Test Failure
249	PRIVATE DWELLING	184 RICHARDSON STREET	2569 feet to the ENE	Closed Status Spill (Unk/Other Cause)
250	SUMNER RESIDENCE	184 RICHARDSON ST	2569 feet to the ENE	Closed Status Spill (Unk/Other Cause)
251	MANHOLE 55946B	HUMBOLT ST MCGUINNESS ST	2576 feet to the ENE	Closed Status Spill (Unk/Other Cause)
265	BRONX QUEENS EXPRESSWAY	EXIT 33 MCGUINNESS BLVD	2627 feet to the ENE	Closed Status Spill (Unk/Other Cause)
266	BROOKLYN/QUEENS EXPWY	AND MCGINNIS BLVD	2627 feet to the ENE	Closed Status Spill (Unk/Other Cause)
267	IN ROADWAY	BROOKLYN QUEENS EXPRESSWAY @ MCGUINNESS BLVD	2627 feet to the ENE	Closed Status Spill (Unk/Other Cause)
282	MCGUINNESS BLVD & BQE	MCGUINNESS BLVD & BQE	2627 feet to the ENE	Closed Status Spill (Misc. Spill Cause)
8	FORMER KLINK COSMO CLEANERS	364 RICHARDSON STREET	4602 feet to the ENE	NYSDEC Inactive Haz Waste Disposal Site

10	ACME STEEL/METAL WORKS	95 LOMBARDY STREET	4908 feet to the ENE	NYSDEC Inactive Haz Waste Disposal Site
98	MANHOLE #53380	MEEKER AVE/WITHERS ST	921 feet to the E	Closed Status Spill (Unk/Other Cause)
101	RESIDENCE	684 LORIMER ST	944 feet to the E	Closed Status Spill (Unk/Other Cause)
50	64 FROST ST	64 FROST STREET	1051 feet to the E	Closed Status Tank Test Failure
114	59-65 FROST STREET	59-65 FROST STREET	1074 feet to the E	Closed Status Spill (Unk/Other Cause)
124	MANHOLE 64805	MEECKER AVE A DN FROST ST	1332 feet to the E	Closed Status Spill (Unk/Other Cause)
136		354 LEONARD ST	1451 feet to the E	Closed Status Spill (Unk/Other Cause)
137		354 LEONARD ST	1451 feet to the E	Closed Status Spill (Unk/Other Cause)
161	INTERSECTION FROM MANHOLE 4917	MANHATTAN AVE AND FROST ST	1793 feet to the E	Closed Status Spill (Unk/Other Cause)
191	OLD PAINT FACTORY	133 JACKSON AVE	2041 feet to the E	Closed Status Spill (Unk/Other Cause)
192	CONSTRUCTION SITE	133 JACKSON AVE	2041 feet to the E	Closed Status Spill (Unk/Other Cause)
196	EXCAVATION	140 JACKSON STREET	2099 feet to the E	Closed Status Spill (Unk/Other Cause)
205	PAINT FACTORY	415 GRAHAM AVE	2213 feet to the E	Closed Status Spill (Unk/Other Cause)
223	RESIDENCE	381 GRAHAM AVE APT 2	2290 feet to the E	Closed Status Spill (Unk/Other Cause)
91	AMOCO STATION -MTBE	243 MEEKER AVENUE	730 feet to the ESE	Closed Status Spill (Unk/Other Cause)
167	CONSTRUCTION SITE	351 MANHATTAN AVE	1836 feet to the ESE	Closed Status Spill (Unk/Other Cause)
188	GAS STATION	116 CONSELYEA STREET	2024 feet to the ESE	Closed Status Spill (Unk/Other Cause)
195	CORNOR OF CONSELYEA	MANHATTEN AVE	2090 feet to the ESE	Closed Status Spill (Unk/Other Cause)
273	APARTMENT BLDG	677 METROPOLITAN AV	2090 feet to the ESE	Closed Status Spill (Misc. Spill Cause)
218	SCHOOL	320 MANHATTAN AVE.	2261 feet to the ESE	Closed Status Spill (Unk/Other Cause)
96	GAS STATION	25 SKILLMAN AVE	901 feet to the SE	Closed Status Spill (Unk/Other Cause)
97	25 SKILLMAN AVE	25 SKILLMAN AVE	901 feet to the SE	Closed Status Spill (Unk/Other Cause)
115	30 SKILLMAN AVE	30 SKILLMAN AVE	1080 feet to the SE	Closed Status Spill (Unk/Other Cause)
146	BMT L LINE	LORIMER/METROPOLITIAN	1587 feet to the SE	Closed Status Spill (Unk/Other Cause)
147	METROPOLITIAN AV AND	LORIMER ST	1587 feet to the SE	Closed Status Spill (Unk/Other Cause)
164	MH4940	LORIMER ST/DEVOE ST	1822 feet to the SE	Closed Status Spill (Unk/Other Cause)
171	APPEARS THAT 20 GAL COOKING OIL	LEONARD ST & METROPOLITAN AVE	1882 feet to the SE	Closed Status Spill (Unk/Other Cause)
193	IFO HOUSE	143 AINSLIE ST	2056 feet to the SE	Closed Status Spill (Unk/Other Cause)
222	MH 225	AINSLIE ST/LEONARD ST	2288 feet to the SE	Closed Status Spill (Unk/Other Cause)
95	IN STREET	MEEKER AVE/ UNION AVE	829 feet to the SSE	Closed Status Spill (Unk/Other Cause)
125	MAN HOLE #4934	UNION AVE / KEAP ST	1370 feet to the SSE	Closed Status Spill (Unk/Other Cause)
271	522 METROPOLITAN AVE	522 METROPOLITAN AVE	1378 feet to the SSE	Closed Status Spill (Misc. Spill Cause)
141	MANHOLE 4939	564 METROPOLITAIN AVE	1533 feet to the SSE	Closed Status Spill (Unk/Other Cause)
149	433 UNION AVE	433 UNION AVE	1616 feet to the SSE	Closed Status Spill (Unk/Other Cause)
150	MANHOLE 4935	MANHOLE 4935	1621 feet to the SSE	Closed Status Spill (Unk/Other Cause)
159	GAS STATION	417 UNION AVE	1727 feet to the SSE	Closed Status Spill (Unk/Other Cause)
170	MANHOLE 149	AINSLIE ST & UNION AVE	1877 feet to the SSE	Closed Status Spill (Unk/Other Cause)
253	MULTIPLE FAMILY	335 UNION AVE	2593 feet to the SSE	Closed Status Spill (Unk/Other Cause)
102	STAR SOAP AND CANDLE CO.	304 NORTH 7TH STREET	945 feet to the S	Closed Status Spill (Unk/Other Cause)
103	STAR SOAP AND CANDLE CO.	304 NORTH 7TH ST	945 feet to the S	Closed Status Spill (Unk/Other Cause)
104	310 N 7TH ST	310 N 7TH ST	945 feet to the S	Closed Status Spill (Unk/Other Cause)
1	BQE/ANSBACHER COLOR & DYE FACTORY	MEEKER AVENUE	1051 feet to the S	NYSDEC Inactive Haz Waste Disposal Site
41	UNICO GAS STATION	445 METROPOLITAN AVE	1157 feet to the S	Closed Status Tank Failure
117	GAS STATION	445 METROPOLITAN AVE	1157 feet to the S	Closed Status Spill (Unk/Other Cause)
120	TRAFFIC ACCIDENT	MEEKER AVE/METROPOLITAN A	1200 feet to the S	Closed Status Spill (Unk/Other Cause)
142	ON SIDEWALK	34 AINSLIE/RODNEY STREET	1551 feet to the S	Closed Status Spill (Unk/Other Cause)
28	AINSLIE ST SUBST TR # 3	34-50 AINSLIE STREET	1644 feet to the S	Active Haz Spill (Unknown/Other Cause)
29	AINSLIE ST SUBST TR # 4	34-50 AINSLIE STREET	1644 feet to the S	Active Haz Spill (Unknown/Other Cause)

30	AINSLIE ST SUBST TR # 2	34-50 AINSLIE STREET	1644 feet to the S	Active Haz Spill (Unknown/Other Cause)
155	AINSLIE ST. S/S	34 AINSLIE STREET	1644 feet to the S	Closed Status Spill (Unk/Other Cause)
156	AINSLIE ST SUBST TR #4	34-50 AINSLIE STREET	1644 feet to the S	Closed Status Spill (Unk/Other Cause)
46	STREET SPILL	HOPE STREET AND RODNEY ST	1798 feet to the S	Closed Status Tank Failure
47	STREET	HOPE STREET AND RODNEY ST	1798 feet to the S	Closed Status Tank Failure
162	FEEDER 61	RODNEY & HOPE ST	1798 feet to the S	Closed Status Spill (Unk/Other Cause)
176	210109; KEAP ST	KEAP ST	1943 feet to the S	Closed Status Spill (Unk/Other Cause)
177	206821; KEAP ST	KEAP ST	1943 feet to the S	Closed Status Spill (Unk/Other Cause)
178		HOPE ST & KEAP ST	1943 feet to the S	Closed Status Spill (Unk/Other Cause)
272	RODNEY & GRAND STS/Ryder	RODNEY & GRAND STS	2040 feet to the S	Closed Status Spill (Misc. Spill Cause)
198	VACANT LOT	441 GRAND STREET	2111 feet to the S	Closed Status Spill (Unk/Other Cause)
214	TRANSFORMER 189	RODNEY ST / 1ST STREET	2250 feet to the S	Closed Status Spill (Unk/Other Cause)
215	REPAIR SHOP	341 SOUTH 1ST STREET	2255 feet to the S	Closed Status Spill (Unk/Other Cause)
219	351 SOUTH 1ST STREET	351 SOUTH 1ST STREET	2271 feet to the S	Closed Status Spill (Unk/Other Cause)
220	SIDEWALK	351 SOUTH 1ST STREET	2271 feet to the S	Closed Status Spill (Unk/Other Cause)
32	COMMERCIAL PROPERTY (FORMER SHELL GAS STA)	351 SO FIRST ST & 456 GRAND ST (SAME LOCATION)	2286 feet to the S	Active Haz Spill (Unknown/Other Cause)
248	APARTMENT BUILDING	360 SOUTH 1ST STREET	2565 feet to the S	Closed Status Spill (Unk/Other Cause)
256	VS 6291	KEAP ST/S 2ND ST	2602 feet to the S	Closed Status Spill (Unk/Other Cause)
121	ASCENSION CHURCH/BKLYN	N 5TH ST / METRO. AVE	1282 feet to the SSW	Closed Status Spill (Unk/Other Cause)
44	S/W COR METROPOLITAN/MARC	402 METROPOLITAN AVENUE	1392 feet to the SSW	Closed Status Tank Failure
56	402 METROPOLITAN AVE.	402 METROPOLITAN AVENUE	1392 feet to the SSW	Closed Status Tank Test Failure
57	402 METROPOLITAN AV/BKLYN	402 METROPOLITAN AVENUE	1392 feet to the SSW	Closed Status Tank Test Failure
127	MANHOLE 15285	METROPOLITAN AVE/HAVEMEYER	1397 feet to the SSW	Closed Status Spill (Unk/Other Cause)
131	390 METROPOLITAN AV/BKLYN	390 METROPOLITAN AVENUE	1431 feet to the SSW	Closed Status Spill (Unk/Other Cause)
160	MAIN ROAD WAY	HOPE STREET AND MARCY AVE	1735 feet to the SSW	Closed Status Spill (Unk/Other Cause)
182	GRAND & HAVEMEYER ST	GRAND & HAVEMEYER ST	1977 feet to the SSW	Closed Status Spill (Unk/Other Cause)
183		MARCY AV NORTH OF GRAND S	1978 feet to the SSW	Closed Status Spill (Unk/Other Cause)
184	MH 59599	MARCY AVE AND GRAND ST	1978 feet to the SSW	Closed Status Spill (Unk/Other Cause)
224	MANHOLE 38010	84 MARCY AVE	2295 feet to the SSW	Closed Status Spill (Unk/Other Cause)
227	SERVICE BOX #1906	144 HAVEMEYER ST	2329 feet to the SSW	Closed Status Spill (Unk/Other Cause)
66	APARTMENT BUILDING	265 SOUTH 2ND ST	2348 feet to the SSW	Closed Status Tank Test Failure
67	273 SOUTH SECOND STREET	273 SOUTH SECOND STREET	2350 feet to the SSW	Closed Status Tank Test Failure
68	APARTMENT BUILDING	278 SOUTH 2ND ST	2512 feet to the SSW	Closed Status Tank Test Failure
94	SUBWAY TRACKS-NYCT	257 NORTH 6TH ST	804 feet to the SW	Closed Status Spill (Unk/Other Cause)
107	MANHOLE #616218	6TH ST & ROEELING ST	966 feet to the SW	Closed Status Spill (Unk/Other Cause)
118	BROTHERS CLEANERS	122 ROEBLING ROAD	1164 feet to the SW	Closed Status Spill (Unk/Other Cause)
138		ROEBLING ST & N 4TH ST	1489 feet to the SW	Closed Status Spill (Unk/Other Cause)
140	METROPOLITAN AVE/BTWN	HAVEMEYER ST-ROEBLING	1530 feet to the SW	Closed Status Spill (Unk/Other Cause)
27	G&A AUTO REPAIR	291 METROPOLITAN AVE	1586 feet to the SW	Active Haz Spill (Unknown/Other Cause)
16	285 AND 291 METROPOLITAN AVE	285, 291 METROPOLITAN AVENUE	1616 feet to the SW	Brownfields Site
168	CONSTRUCTION SITE	14 HOPE ST	1846 feet to the SW	Closed Status Spill (Unk/Other Cause)
190	2ND AVE SUBWAY- NYCT	249 GRAND STREET	2040 feet to the SW	Closed Status Spill (Unk/Other Cause)
276	202 SOUTH 1ST STREET	202 SOUTH 1ST STREET	2409 feet to the SW	Closed Status Spill (Misc. Spill Cause)
99	MANHOLE 4880	218 N 7 ST	924 feet to the WSW	Closed Status Spill (Unk/Other Cause)
55	CLOSED-LACKOF RECENT INFO	167 NORTH 5TH STREET	1350 feet to the WSW	Closed Status Tank Test Failure
144	152 NO. 5TH ST./HOLY GHOS	152 NO. 5TH ST	1569 feet to the WSW	Closed Status Spill (Unk/Other Cause)
154	CONSTRUCTION SITE	161 NORTH 4TH	1637 feet to the WSW	Closed Status Spill (Unk/Other Cause)
169	TEN GAL OIL IN SERVICE BOX #23546	239 BEDFORD AVENUE	1862 feet to the WSW	Closed Status Spill (Unk/Other Cause)
210	INTERSECTION	NORTH 1ST STREET	2232 feet to the WSW	Closed Status Spill (Unk/Other Cause)
212	MANHOLE 58130	126 NORTH 3RD ST	2235 feet to the WSW	Closed Status Spill (Unk/Other Cause)

54	F N W MECHANICAL	139 NORTH 10TH STREET	1280 feet to the NW	Closed Status Tank Test Failure
126	125 NORTH 10TH ST	125 NORTH 10TH ST	1395 feet to the NW	Closed Status Spill (Unk/Other Cause)
18	NATIONAL PAPER STOCK CART		1408 feet to the NW	Solid Waste Facility
143	BERRY ST & 10TH AVE/BKLYN	BERRY ST & 10TH AVENUE	1562 feet to the NW	Closed Status Spill (Unk/Other Cause)
165	CONSTRUCITON SITE	40 BERRY STREET	1823 feet to the NW	Closed Status Spill (Unk/Other Cause)
166	34-42 BERRY ST	40 BERRY STREET	1823 feet to the NW	Closed Status Spill (Unk/Other Cause)
61	COMMERCIAL BUILDING	93 NORTH 9TH STREET	1886 feet to the NW	Closed Status Tank Test Failure
172	93 NORTH 9TH ST	93 NORTH 9TH STREET	1886 feet to the NW	Closed Status Spill (Unk/Other Cause)
187	BUILDING	69 WYTHE AVE	2008 feet to the NW	Closed Status Spill (Unk/Other Cause)
194	209741; WYTHE AVE; M-4848	WYTHE AVE; M-4848	2071 feet to the NW	Closed Status Spill (Unk/Other Cause)
197	MH 4360	WYTHE AVENUE & NORTH 11 STREET	2100 feet to the NW	Closed Status Spill (Unk/Other Cause)
201	MANHOLE 627	WYTHE AV / N 12TH ST	2159 feet to the NW	Closed Status Spill (Unk/Other Cause)
202	MANHOLE 59560	12TH ST & WITHE AVE	2159 feet to the NW	Closed Status Spill (Unk/Other Cause)
208	SUPERIOR INGREDIENTS	74 WYTHE AVE	2223 feet to the NW	Closed Status Spill (Unk/Other Cause)
34	MANHOLE #4353	KENT AVENUE & N. 10 STREET	2531 feet to the NW	Active Haz Spill (Unknown/Other Cause)
232	MANHOLE 4353	KENT AV & 10TH ST	2531 feet to the NW	Closed Status Spill (Unk/Other Cause)
233	MANHOLE#4353	KENT AVE./ N. 10TH ST.	2531 feet to the NW	Closed Status Spill (Unk/Other Cause)
234	MANHOLE 4353	KENT AVE/NORTH 10TH ST	2531 feet to the NW	Closed Status Spill (Unk/Other Cause)
235	MANHOLE 4353	KENT AV & N 10TH ST	2531 feet to the NW	Closed Status Spill (Unk/Other Cause)
277	KENT AVENUE/N.9TH ST.	KENT AVE / N.9TH ST	2535 feet to the NW	Closed Status Spill (Misc. Spill Cause)
237	MANHOLE #4352	KENT AVE & NORTH 11TH ST	2563 feet to the NW	Closed Status Spill (Unk/Other Cause)
238	MANHOLE 4352	11TH ST & KENT AVE	2563 feet to the NW	Closed Status Spill (Unk/Other Cause)
239	MH 4352	NORTH 11TH AND KENT AVE	2563 feet to the NW	Closed Status Spill (Unk/Other Cause)
240	MANHOLE 62550	10TH AVE AND NORTH 11TH ST	2563 feet to the NW	Closed Status Spill (Unk/Other Cause)
241	TWO PTS OIL IN MANHOLE #4352	KENT AVENUE & NORTH 11 STREET	2563 feet to the NW	Closed Status Spill (Unk/Other Cause)
242	MANHOLE # 4352	KENT AVE & NORTH 11 STREET	2563 feet to the NW	Closed Status Spill (Unk/Other Cause)
243	NORTH 11 STREET	AND KENT STREET	2563 feet to the NW	Closed Status Spill (Unk/Other Cause)
244	MANHOLE 62550	KENT AV/NORTH 11 ST	2563 feet to the NW	Closed Status Spill (Unk/Other Cause)
245	VAULT 3223	KENT AVE/ N 11TH ST	2563 feet to the NW	Closed Status Spill (Unk/Other Cause)
246	MANHOLE 4352	KENT AVE/N. 11TH AVE	2563 feet to the NW	Closed Status Spill (Unk/Other Cause)
247	MANHOLE 4352	KENT AV & N 11TH ST	2563 feet to the NW	Closed Status Spill (Unk/Other Cause)
4	K - WILLIAMSBURG WORKS	KENT AVE & 12TH STREET	2611 feet to the NW	NYSDEC Inactive Haz Waste Disposal Site
19	NORTH 12 STREET T.S.		2611 feet to the NW	Solid Waste Facility
36	MH 63427 AND VS 3477	NORTH 12TH ST/KENT AVE	2611 feet to the NW	Active Haz Spill (Unknown/Other Cause)
257	MANHOLE # 264, NYNEX	KENT AVE / N. 12TH STREET	2611 feet to the NW	Closed Status Spill (Unk/Other Cause)
258	N 12TH ST & KENT AVE/BKLY	NORTH 12TH ST & KENT AVE	2611 feet to the NW	Closed Status Spill (Unk/Other Cause)
259	207270; N 12 ST; VS-3477	N 12 ST; VS-3477	2611 feet to the NW	Closed Status Spill (Unk/Other Cause)
260	VS #3477	NORTH 12 STREET & KENT AVENUE	2611 feet to the NW	Closed Status Spill (Unk/Other Cause)
261	VS4120	N 12 ST AT KENT AVE	2611 feet to the NW	Closed Status Spill (Unk/Other Cause)
262	VS3477	KENT AV & N 12TH ST	2611 feet to the NW	Closed Status Spill (Unk/Other Cause)
278	NORTH 12TH AVE & KENT AVE	N 12TH AVE / KENT AVE	2611 feet to the NW	Closed Status Spill (Misc. Spill Cause)
279	N 12TH ST & KENT AVE	N 12TH ST / KENT AVE	2611 feet to the NW	Closed Status Spill (Misc. Spill Cause)
280	REGULATOR B9 TRIPS OUT!	N.12TH ST. & KENT AVE.	2611 feet to the NW	Closed Status Spill (Misc. Spill Cause)
5	BROOKLYN NORTH 1 GARAGE	50 KENT AVENUE	2833 feet to the NW	NYSDEC Inactive Haz Waste Registry Qual.
7	K - WILLIAMSBURG WORKS	KENT AVE & 12TH STREET	3071 feet to the NW	NYSDEC Inactive Haz Waste Disposal Site
24	COMMERCIAL PROPERTY	454 DRIGGS AVE	885 feet to the NNW	Active Haz Spill (Unknown/Other Cause)
37	CONSTRUCTION SITE	95 BEDFORD AVE	1071 feet to the NNW	Active Haz Spill (Misc. Spill Cause)
111	105 BEDFORD AV	105 BEDFORD AVENUE	1071 feet to the NNW	Closed Status Spill (Unk/Other Cause)
112	NEW APT BLDG/FORMER PAINT FACTORY	95 BEDFORD AVENUE	1071 feet to the NNW	Closed Status Spill (Unk/Other Cause)
113	EIGHT GAL XFMR LEAK IN MANHOLE #1706	155 NORTH 11 ST (AT BEDFORD AVE).	1071 feet to the NNW	Closed Status Spill (Unk/Other Cause)
17	K - WYTHE AVE STATION	WYTHE AVE., BERRY ST., N 12TH & 13TH ST	1969 feet to the NNW	Brownfields Site
3	K - WYTHE AVE. STATION	WYTHE AVE., BERRY ST., N 12TH & 13TH ST	1986 feet to the NNW	NYSDEC Inactive Haz Waste Disposal Site

200	INTERSECTION	N 153 ST & WYTHE AVE	2154 feet to the NNW	Closed Status Spill (Unk/Other Cause)
65	NASH METAL WARE CO, INC	1 NASSAU AVENUE	2211 feet to the NNW	Closed Status Tank Test Failure
211	FALSE ALARM LTD	168 N. 14TH ST/ 93-101 N. 13TH ST/ 29-43 WYTHE AVE	2235 feet to the NNW	Closed Status Spill (Unk/Other Cause)
38	WYTHE AVE & N 13TH ST	WYTHE AVE & N 13TH ST	2246 feet to the NNW	Active Haz Spill (Misc. Spill Cause)
33	SYLVAN EQUIPMENT	91 NORTH 12TH ST	2306 feet to the NNW	Active Haz Spill (Unknown/Other Cause)
48	NATIONS RENT	91 NORTH 12TH ST	2306 feet to the NNW	Closed Status Tank Failure
226		91 NORTH 12TH ST	2306 feet to the NNW	Closed Status Spill (Unk/Other Cause)
254	MANHOLE # 62847	BANKER/NORMAND AVE	2593 feet to the NNW	Closed Status Spill (Unk/Other Cause)
255	TM 641	BANKER ST & NORMAN AVE	2593 feet to the NNW	Closed Status Spill (Unk/Other Cause)
263	VAULT #3533	15TH ST & GEM ST	2621 feet to the NNW	Closed Status Spill (Unk/Other Cause)

Identified Toxic Sites by Category

250 North 10th Street
Brooklyn, NY 11211

* Compass directions can vary substantially for sites located very close to the subject property address.

NYSDEC Inactive Haz. Waste Disposal Site Registry -- Total Sites - 8

MAP ID	FACILITY ID	FACILITY NAME
1	224016	BQE/ANSBACHER COLOR & DYE FACTORY
2	224005	CITY BARREL CO.
3	224069	K - WYTHE AVE. STATION
4	224055	K - WILLIAMSBURG WORKS
7	224055	K - WILLIAMSBURG WORKS
8	224130	FORMER KLINK COSMO CLEANERS
9	224129	FORMER SPIC AND SPAN CLEANERS AND DYERS, INC.
10	224131	ACME STEEL/METAL WORKS
11	224013	MOBIL OIL BROOKLYN TERMINAL

Database searched at 1 MILE - ASTM required search distance: 1 Mile

FACILITY STREET	DISTANCE & DIRECTION
MEEKER AVENUE	1051 feet to the S
421-429 MEEKER STREET	1957 feet to the ENE
WYTHE AVE., BERRY ST., N 12TH & 13TH ST	1986 feet to the NNW
KENT AVE & 12TH STREET	2611 feet to the NW
KENT AVE & 12TH STREET	3071 feet to the NW
364 RICHARDSON STREET	4602 feet to the ENE
315 KINGSLAND AVENUE	4723 feet to the NE
95 LOMBARDY STREET	4908 feet to the ENE
300 N. HENRY ST.	5121 feet to the NNE

Inactive Haz. Waste Disposal Site Registry Qualifying -- Total Sites - 3

MAP ID	FACILITY ID	FACILITY NAME
5		BROOKLYN NORTH 1 GARAGE
6		KENT TERMINAL
12		CARBONA PRODUCTS

Database searched at 1 MILE - ASTM required search distance: 1 Mile

FACILITY STREET	DISTANCE & DIRECTION
50 KENT AVENUE	2833 feet to the NW
KENT AVE. BETWEEN N.5TH & N.11TH ST.	2980 feet to the WNW
330 CALYER STREET	5134 feet to the NNE

RCRA Corrective Action Sites -- Total Sites - 1

MAP ID	FACILITY ID	FACILITY NAME
13	NYD049178296	RADIAC RESEARCH CORP

Database searched at 1 MILE - ASTM required search distance: 1 Mile

FACILITY STREET	DISTANCE & DIRECTION
33 S 1ST ST	3591 feet to the WSW

CERCLIS Superfund NFRAP Sites -- Total Sites - 2

MAP ID	FACILITY ID	FACILITY NAME
14	NYD001384072	ALL PLATING CORP.
15	NYD068298835	CITY BARREL

Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile

FACILITY STREET	DISTANCE & DIRECTION
154 NORTH 7TH STREET	1463 feet to the W
421-429 MEEKER ST	1957 feet to the ENE

Brownfields Sites -- Total Sites - 2

MAP ID	FACILITY ID	FACILITY NAME
16	C224124	285 AND 291 METROPOLITAN AVE
17	C224069	K - WYTHE AVE STATION

Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile

FACILITY STREET	DISTANCE & DIRECTION
285, 291 METROPOLITAN AVENUE	1616 feet to the SW
WYTHE AVE., BERRY ST., N 12TH & 13TH ST	1969 feet to the NNW

Solid Waste Facilities -- Total Sites - 2

MAP ID	FACILITY ID	FACILITY NAME
18	24T91	NATIONAL PAPER STOCK CART
19	24T68	NORTH 12 STREET T.S.

Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile

FACILITY STREET	DISTANCE & DIRECTION
	1408 feet to the NW
	2611 feet to the NW

Active Tank Failures -- Total Sites - 1

MAP ID	FACILITY ID	FACILITY NAME
20	9703488	ENGINE CO. 229 FDNY -DDC

Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile

FACILITY STREET	DISTANCE & DIRECTION
76 RICHARDSON STREET	1230 feet to the ENE

Active Tank Test Failures -- Total Sites - 1

MAP ID	FACILITY ID	FACILITY NAME
21	0307525	187 BEDFORD AVE

Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile

FACILITY STREET	DISTANCE & DIRECTION
187 BEDFORD AVENUE	1269 feet to the W

Active Haz Spills (Unknown Causes & Other Causes) -- Total Sites - 15

MAP ID	FACILITY ID	FACILITY NAME
22	0503901	PROPERTY

Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile

FACILITY STREET	DISTANCE & DIRECTION
55 ROEBLING ST	338 feet to the SW

23	0750535	N 11TH STREET SIDEWALK	204-214 NORTH 11TH ST	487 feet to the NNW
24	0703695	COMMERCIAL PROPERTY	454 DRIGGS AVE	885 feet to the NNW
25	0611495	169-175 NORTH 10TH STREET	169-175 NORTH 10TH STREET	886 feet to the NW
26	0907892	INSIDE MCCARREN POOL	BAYARD AND LORIMER ST.	999 feet to the NE
27	0607903	G&A AUTO REPAIR	291 METROPOLITAN AVE	1586 feet to the SW
28	0406787	AINSLIE ST SUBST TR # 3	34-50 AINSLIE STREET	1644 feet to the S
29	0406635	AINSLIE ST SUBST TR # 4	34-50 AINSLIE STREET	1644 feet to the S
30	0406630	AINSLIE ST SUBST TR # 2	34-50 AINSLIE STREET	1644 feet to the S
31	9614852	APARTMENT BUILDING	73 NORTH 8TH STREET	2230 feet to the WNW
32	1103309	COMMERCIAL PROPERTY (FORMER SHELL GAS STA)	351 SO FIRST ST & 456 GRAND ST (SAME LOCATION)	2286 feet to the S
33	9906462	SYLVAN EQUIPMENT	91 NORTH 12TH ST	2306 feet to the NNW
34	0601588	MANHOLE #4353	KENT AVENUE & N. 10 STREET	2531 feet to the NW
35	0208256	99 CENT STORE	640 MANHATTAN AVE	2585 feet to the NNE
36	0203699	MH 63427 AND VS 3477	NORTH 12TH ST/KENT AVE	2611 feet to the NW

Active Haz Spills (Miscellaneous Spill Causes) -- Total Sites - 2

MAP ID	FACILITY ID	FACILITY NAME
37	0808463	CONSTRUCTION SITE
38	8912490	WYTHE AVE & N 13TH ST

Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile

FACILITY STREET	DISTANCE & DIRECTION
95 BEDFORD AVE	1071 feet to the NNW
WYTHE AVE & N 13TH ST	2246 feet to the NNW

Closed Status Tank Failures -- Total Sites - 10

MAP ID	FACILITY ID	FACILITY NAME
39	0008335	UNKNOWN GAS STATION
40	9312569	68 RICHARDSON STREET
41	9909193	UNICO GAS STATION
42	9006489	172 BEDFORD AVE/BKLYN
43	9008726	174 BEDFORD AVE/BKLYN
44	9212269	S/W COR METROPOLITAN/MARC
45	0310672	GAS STATION
46	0410795	STREET SPILL
47	0410793	STREET
48	0003390	NATIONS RENT

Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile

FACILITY STREET	DISTANCE & DIRECTION
2 ROEBLING ST	507 feet to the N
68 RICHARDSON STREET	1033 feet to the ENE
445 METROPOLITAN AVE	1157 feet to the S
172 BEDFORD AVENUE	1289 feet to the WNW
174 BEDFORD AVENUE	1298 feet to the WNW
402 METROPOLITAN AVENUE	1392 feet to the SSW
392 LEONARD STREET	1400 feet to the ENE
HOPE STREET AND RODNEY ST	1798 feet to the S
HOPE STREET AND RODNEY ST	1798 feet to the S
91 NORTH 12TH ST	2306 feet to the NNW

Closed Status Tank Test Failures -- Total Sites - 20

MAP ID	FACILITY ID	FACILITY NAME
49	8706710	CLOSED-LACKOF RECENT INFO
50	9601530	64 FROST ST
51	0902485	MARTIN GURSHON
52	0104288	
53	0301163	ST VINCENT DEPAUL CHURCH
54	0306649	F N W MECHANICAL
55	8906957	CLOSED-LACKOF RECENT INFO
56	9213355	402 METROPOLITAN AVE.
57	8907310	402 METROPOLITAN AV/BKLYN
58	8909928	154-158 NORTH 7TH ST/BKLY
59	0900454	AUTOMOTIVE HIGH SCHOOL - TTF
60	0004062	PS 610
61	9913062	COMMERCIAL BUILDING
62	0212132	BRUMAR SHEET METAL INC
63	0410348	UNITED AMBULETTE
64	8905160	146 WYTHE AVE/BROOKLYN
65	0408142	NASH METAL WARE CO, INC
66	0600214	APARTMENT BUILDING

Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile

FACILITY STREET	DISTANCE & DIRECTION
275 NORTH 8TH ST.	617 feet to the SSE
64 FROST STREET	1051 feet to the E
179 NORTH 6TH STREET	1141 feet to the W
179 N 6TH STREET	1141 feet to the W
167 N. 6TH ST	1229 feet to the W
139 NORTH 10TH STREET	1280 feet to the NW
167 NORTH 5TH STREET	1350 feet to the WSW
402 METROPOLITAN AVENUE	1392 feet to the SSW
402 METROPOLITAN AVENUE	1392 feet to the SSW
154-158 NORTH 7TH STREET	1444 feet to the W
50 BEDFORD AVENUE	1798 feet to the N
50 BEDFORD AVENUE	1798 feet to the N
93 NORTH 9TH STREET	1886 feet to the NW
498 LEONARD STREET	2098 feet to the NNE
495 GRAHAM AVE	2141 feet to the ENE
146 WYTHE AVENUE	2178 feet to the WNW
1 NASSAU AVENUE	2211 feet to the NNW
265 SOUTH 2ND ST	2348 feet to the SSW

67	9712027	273 SOUTH SECOND STREET	273 SOUTH SECOND STREET	2350 feet to the SSW
68	0600215	APARTMENT BUILDING	278 SOUTH 2ND ST	2512 feet to the SSW

Closed Status Spills (Unknown Causes & Other Causes) -- Total Sites - 199 Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
69	0801333	COMMERICAL VACANT LOT	235-239 N 9TH STREET	128 feet to the W*
70	0602498	WAREHOUSE	261 NORTH 9TH STREET	144 feet to the SSE*
71	0612377	BETWEN NORTH 10 /11TH	ROEBLING	300 feet to the N
72	0202473	MH 4927	HAVERMYER ST/N 9TH ST	315 feet to the SSE
73	0608858	AUNT HEDDY'S BAKERY	234 NORTH 9TH STREET	340 feet to the W
74	9910471	MANHOLE #4900	NORTH 11TH ST/UNION AVE	354 feet to the NE
75	8604708	AMONIUM HYDROCHLORIDE SPI	215 N. 10TH ST	378 feet to the NNW
76	0911340	CONSTRUCTION/EXCAVATION SITE	568 UNION AVENUE	386 feet to the ENE
77	9910080	MANHOLE 4925	WITHERS ST/UNION AV	387 feet to the SE
78	9909108	MANHOLE 53375	WITHERS ST/ UNION AVE	387 feet to the SE
79	9812337	MANHOLE #4837	ROEBLING AVE/NORTH 11TH	401 feet to the N
80	0701326	CONSTRUCTION SITE	ROEBLING STR/NORTH 11TH	401 feet to the N
81	0608859	CONSTRUCTION SITE	NORTH 11TH ST & ROEBLING	401 feet to the N
82	9814263	W OF ROBLING AV	N 8TH ST	466 feet to the WSW
83	0708819	213 NORTH 9TH STREET	213-217 NORTH 9TH STREET	471 feet to the WNW
84	0612680	EXCAVATION	214 NORTH 11TH STREET	487 feet to the NNW
85	0605974	EXCAVATION SITE	204-214 NORTH 11TH ST	487 feet to the NNW
86	0000373	GAS STATION	2 ROEBLING ST	507 feet to the N
87	0800508	ABANDONED BUCKET	9 RICHARDSON ST	509 feet to the NE
88	0609092	COMMERCIAL PROPERTY	200 NORTH 11TH STREET	608 feet to the NNW
89	9910564	MANHOLE 4930	UNION AVE/JACKSON ST	609 feet to the SSE
90	9902735	MANHOLE 16282	IFO 288 NO 8TH ST	630 feet to the S
91	9414922	AMOCO STATION -MTBE	243 MEEKER AVENUE	730 feet to the ESE
92	0712729	VACANT/ COMMERCIAL	506 DRIGGS AVE	753 feet to the WNW
93	9904275	LOT NEXT TO 583 DRIDGES	CRN DRIGGES AVE & 8TH	768 feet to the W
94	9800896	SUBWAY TRACKS-NYCT	257 NORTH 6TH ST	804 feet to the SW
95	0613323	IN STREET	MEEKER AVE/ UNION AVE	829 feet to the SSE
96	9608904	GAS STATION	25 SKILLMAN AVE	901 feet to the SE
97	9111612	25 SKILLMAN AVE	25 SKILLMAN AVE	901 feet to the SE
98	9909065	MANHOLE #53380	MEEKER AVE/WITHERS ST	921 feet to the E
99	0508207	MANHOLE 4880	218 N 7 ST	924 feet to the WSW
100	8604284	546 DRIGGS AVE	546 DRIGGS AVE	935 feet to the W
101	0811948	RESIDENCE	684 LORIMER ST	944 feet to the E
102	0706592	STAR SOAP AND CANDLE CO.	304 NORTH 7TH STREET	945 feet to the S
103	0706478	STAR SOAP AND CANDLE CO.	304 NORTH 7TH ST	945 feet to the S
104	0510912	310 N 7TH ST	310 N 7TH ST	945 feet to the S
105	0106834	704 LORIMER ST	704 LORIMER ST	948 feet to the ENE
106	0601688	VACANT LOT	165 NORTH 10TH ST	963 feet to the NW
107	9913229	MANHOLE #616218	6TH ST & ROEELING ST	966 feet to the SW
108	0508858	HYDRO TECH	170 NORTH 11TH STREET	972 feet to the NW
109	0005762	SB 16241	179 NORTH 7 ST	1022 feet to the W
110	9800014	ON BENCH WALL AND CAT WAL -NYCT	K 177 NO 7TH ST	1055 feet to the W
111	9711671	105 BEDFORD AV	105 BEDFORD AVENUE	1071 feet to the NNW
112	1001766	NEW APT BLDG/FORMER PAINT FACTORY	95 BEDFORD AVENUE	1071 feet to the NNW
113	0707397	EIGHT GAL XFMR LEAK IN MANHOLE #1706	155 NORTH 11 ST (AT BEDFORD AVE).	1071 feet to the NNW
114	0212488	59-65 FROST STREET	59-65 FROST STREET	1074 feet to the E
115	9200714	30 SKILLMAN AVE	30 SKILLMAN AVE	1080 feet to the SE
116	0303594		BEDFORD AVE/N 9TH ST	1112 feet to the WNW

117	9909344	GAS STATION	445 METROPOLITAN AVE	1157 feet to the S
118	0410954	BROTHERS CLEANERS	122 ROEBLING ROAD	1164 feet to the SW
119	9702730	CAMPBELL RESIDENCE	120 BEDFORD AVE	1191 feet to the NW
120	0702380	TRAFFIC ACCIDENT	MEEKER AVE/METROPOLITAN A	1200 feet to the S
121	8900756	ASCENTION CHURCH/BKLYN	N 5TH ST / METRO. AVE	1282 feet to the SSW
122	0409303	COMMERCIAL LOT	407 LEONARD STREET/BAYARD	1307 feet to the ENE
123	0130048	COMMERCIAL LOT	407 LEONARD ST	1307 feet to the ENE
124	0904192	MANHOLE 64805	MEECKER AVE A DN FROST ST	1332 feet to the E
125	0004891	MAN HOLE #4934	UNION AVE / KEAP ST	1370 feet to the SSE
126	9902614	125 NORTH 10TH ST	125 NORTH 10TH ST	1395 feet to the NW
127	0002608	MANHOLE 15285	METROPOLITAN AVE/HAVEMEYE	1397 feet to the SSW
128	9900802		392 LEONARD STREET	1400 feet to the ENE
129	0610686	CONSTRUCTION SITE	392 LEONARD STREET	1400 feet to the ENE
130	9900576	VS 3971	BAYARD ST/LENARD ST	1419 feet to the ENE
131	8808650	390 METROPOLITAN AV/BKLYN	390 METROPOLITAN AVENUE	1431 feet to the SSW
132	9813469	VACANT BUILDING	142 NORTH 8TH ST	1435 feet to the WNW
133	0008222	SERVICE BOX	87 RICHARDSON ST	1451 feet to the ENE
134	0001500	MANHOLE (UNK #)	87 RICHARDSON ST	1451 feet to the ENE
135	8710843	BEDFORD AVE&N 6TH ST/BKLY	BEDFORD AVE / N 6TH ST	1451 feet to the W
136	9909588		354 LEONARD ST	1451 feet to the E
137	9814583		354 LEONARD ST	1451 feet to the E
138	0003172		ROEBLING ST & N 4TH ST	1489 feet to the SW
139	0502373	MANHOLE 12074	115 BERRY ST	1492 feet to the WNW
140	9513631	METROPOLITAN AVE/BTWN	HAVEMEYER ST-ROEBLING	1530 feet to the SW
141	9901889	MANHOLE 4939	564 METROPOLITAIN AVE	1533 feet to the SSE
142	0403862	ON SIDEWALK	34 AINSLIE/RODNEY STREET	1551 feet to the S
143	8905700	BERRY ST & 10TH AVE/BKLYN	BERRY ST & 10TH AVENUE	1562 feet to the NW
144	8705743	152 NO. 5TH ST./HOLY GHOS	152 NO. 5TH ST	1569 feet to the WSW
145	0501940	MANHOLE 12074	113 BERRY ST	1575 feet to the WNW
146	0607434	BMT L LINE	LORIMER/METROPOLITIAN	1587 feet to the SE
147	0002207	METROPOLITIAN AV AND	LORIMER ST	1587 feet to the SE
148	9803782	REGENCY METAL STAMPING	140 NORTH 7TH ST	1610 feet to the W
149	9800933	433 UNION AVE	433 UNION AVE	1616 feet to the SSE
150	9910034	MANHOLE 4935	MANHOLE 4935	1621 feet to the SSE
151	0610684	CYN BAR	NORTH 5TH & BEDFORD AVE	1633 feet to the W
152	0203510	MANHOLE 4869	BEDFORD AVE/N 5TH ST	1633 feet to the W
153	0203177	MH 4869	BEDFORD AVE/NORTH 5TH STBR	1633 feet to the W
154	0513611	CONSTRUCTION SITE	161 NORTH 4TH	1637 feet to the WSW
155	9501140	AINSLIE ST. S/S	34 AINSLIE STREET	1644 feet to the S
156	0406371	AINSLIE ST SUBST TR #4	34-50 AINSLIE STREET	1644 feet to the S
157	0814442	213519; 133 NO. 5 ST	133 NO. 5 ST	1674 feet to the W
158	0403650	COMMERCIAL	125 BERRY ST	1678 feet to the WNW
159	9803138	GAS STATION	417 UNION AVE	1727 feet to the SSE
160	0902116	MAIN ROAD WAY	HOPE STREET AND MARCY AVE	1735 feet to the SSW
161	1011113	INTERSECTION FROM MANHOLE 4917	MANHATTAN AVE AND FROST ST	1793 feet to the E
162	9802008	FEEDER 61	RODNEY & HOPE ST	1798 feet to the S
163	1011703	TRANSMISSION MANHOLE 71303	MEEKER AND RICHARDSON ST	1815 feet to the ENE
164	0006690	MH4940	LORIMER ST/DEVOE ST	1822 feet to the SE
165	0803822	CONSTRUCTION SITE	40 BERRY STREET	1823 feet to the NW
166	0803286	34-42 BERRY ST	40 BERRY STREET	1823 feet to the NW
167	0602810	CONSTRUCTION SITE	351 MANHATTAN AVE	1836 feet to the ESE
168	0707011	CONSTRUCTION SITE	14 HOPE ST	1846 feet to the SW
169	0703005	TEN GAL OIL IN SERVICE BOX #23546	239 BEDFORD AVENUE	1862 feet to the WSW

170	0104301	MANHOLE 149	AINSLIE ST & UNION AVE	1877 feet to the SSE
171	0706573	APPEARS THAT 20 GAL COOKING OIL	LEONARD ST & METROPOLITAN AVE	1882 feet to the SE
172	0103335	93 NORTH 9TH ST	93 NORTH 9TH STREET	1886 feet to the NW
173	0408368	COMMERCIAL PROPERTY	120 NEWTON AVENUE	1900 feet to the ENE
174	0700853	LIKA RESIDENCE	114 NORTH 7TH STREET	1906 feet to the WNW
175	0401691	CONSTRUCTION SITE	474 LEONARD STREET	1917 feet to the NE
176	0890374	210109; KEAP ST	KEAP ST	1943 feet to the S
177	0890125	206821; KEAP ST	KEAP ST	1943 feet to the S
178	0002744		HOPE ST & KEAP ST	1943 feet to the S
179	9911825	MANHOLE 4379	DRIGGS AVE&MANHATTAN AVE	1961 feet to the NNE
180	0002248	**DRILL** TM 755 **DRILL**	**DRILL** DRIGGS AVE/MANHATTAN AV	1961 feet to the NNE
181	0803056	THIRTY GAL UNKNOWN LIQUID IN MH 12081	BERRY STREET & 5 STREET	1971 feet to the W
182	9409087	GRAND & HAVEMEYER ST	GRAND & HAVEMEYER ST	1977 feet to the SSW
183	9909597		MARCY AV NORTH OF GRAND S	1978 feet to the SSW
184	9908492	MH 59599	MARCY AVE AND GRAND ST	1978 feet to the SSW
185	8706359	19 NASSAU AVE./CORNER OF	19 NASSAU AVE	1999 feet to the N
186	9809496	CHLORINE FACTORY	126 NEWTON ST	2000 feet to the ENE
187	0711821	BUILDING	69 WYTHE AVE	2008 feet to the NW
188	0601565	GAS STATION	116 CONSELYEA STREET	2024 feet to the ESE
189	0508322	BUILDING	146 BERRY STREET	2032 feet to the W
190	0307462	2ND AVE SUBWAY- NYCT	249 GRAND STREET	2040 feet to the SW
191	0505877	OLD PAINT FACTORY	133 JACKSON AVE	2041 feet to the E
192	0501932	CONSTRUCTION SITE	133 JACKSON AVE	2041 feet to the E
193	9905189	IFO HOUSE	143 AINSLIE ST	2056 feet to the SE
194	0890353	209741; WYTHE AVE; M-4848	WYTHE AVE; M-4848	2071 feet to the NW
195	9704676	CORNOR OF CONSELYEA	MANHATTEN AVE	2090 feet to the ESE
196	0508101	EXCAVATION	140 JACKSON STREET	2099 feet to the E
197	0711308	MH 4360	WYTHE AVENUE & NORTH 11 STREET	2100 feet to the NW
198	0702096	VACANT LOT	441 GRAND STREET	2111 feet to the S
199	0004421	MANHOLE 64134	NORTH 4TH ST/BERRY ST	2141 feet to the W
200	1008002	INTERSECTION	N 153 ST & WYTHE AVE	2154 feet to the NNW
201	9907102	MANHOLE 627	WYTHE AV / N 12TH ST	2159 feet to the NW
202	0407078	MANHOLE 59560	12TH ST & WITHE AVE	2159 feet to the NW
203	0607587	DUMPSTER	134 WYTHE AVE	2161 feet to the WNW
204	0514745	ON SIDEWALK	NORTH 7TH /WYTHEAVE	2180 feet to the WNW
205	0507793	PAINT FACTORY	415 GRAHAM AVE	2213 feet to the E
206	0802803	CONSTRUCTIO PROJ	197 BERRY STREET	2218 feet to the W
207	0708001	VACANT LOT	197 BERRY STREET	2218 feet to the W
208	1000353	SUPERIOR INGREDIENTS	74 WYTHE AVE	2223 feet to the NW
209	9013128	73 NORTH 8TH ST/BROOKLYN	73 NORTH 8TH STREET	2230 feet to the WNW
210	0403847	INTERSECTION	NORTH 1ST STREET	2232 feet to the WSW
211	0809769	FALSE ALARM LTD	168 N. 14TH ST/ 93-101 N. 13TH ST/ 29-43 WYTHE AVE	2235 feet to the NNW
212	0909652	MANHOLE 58130	126 NORTH 3RD ST	2235 feet to the WSW
213	9614853	RESIDENTS	67 NORTH 8TH STREET	2247 feet to the WNW
214	9910300	TRANSFORMER 189	RODNEY ST / 1ST STREET	2250 feet to the S
215	0608796	REPAIR SHOP	341 SOUTH 1ST STREET	2255 feet to the S
216	9914569	MANHOLE 4376 AND BEDFORD	AVE AND LOROMIER AVE	2259 feet to the N
217	0007726	MH 4374	NASSAU AV/LAURAMAR AV	2259 feet to the N
218	0713068	SCHOOL	320 MANHATTAN AVE.	2261 feet to the ESE
219	9608624	351 SOUTH 1ST STREET	351 SOUTH 1ST STREET	2271 feet to the S
220	0403168	SIDEWALK	351 SOUTH 1ST STREET	2271 feet to the S
221	0800933	VAULT # 4066 HAS 15 GALLONS OIL	IN FRONT OF 80 NORTH 5 STREET	2274 feet to the W
222	0000119	MH 225	AINSLIE ST/LEONARD ST	2288 feet to the SE

223	0811473	RESIDENCE	381 GRAHAM AVE APT 2	2290 feet to the E
224	9908504	MANHOLE 38010	84 MARCY AVE	2295 feet to the SSW
225	9315136	606 MANHATTAN AVENUE	606 MANHATTAN AVENUE	2297 feet to the NNE
226	0207277		91 NORTH 12TH ST	2306 feet to the NNW
227	0005859	SERVICE BOX #1906	144 HAVEMEYER ST	2329 feet to the SSW
228	0012440	TM2850	80 N 5TH ST	2342 feet to the W
229	0612279	BOGUMIL HOME	101 ECKFORD STREET	2410 feet to the NNE
230	0705867	GREEN POINT CAR WASH, INC.	(AKA AUTOCLEAN CARWASH, INC.)	2456 feet to the NE
231	8809562	176 GRAND ST EXT/BKLYN	176 GRAND ST EXTENSION	2507 feet to the WSW
232	9913425	MANHOLE 4353	KENT AV & 10TH ST	2531 feet to the NW
233	0502765	MANHOLE#4353	KENT AVE./ N. 10TH ST.	2531 feet to the NW
234	0000352	MANHOLE 4353	KENT AVE/NORTH 10TH ST	2531 feet to the NW
235	0000208	MANHOLE 4353	KENT AV & N 10TH ST	2531 feet to the NW
236	0813448	MANHOLE 4855	WYTHE & 4TH ST	2537 feet to the W
237	9914827	MANHOLE #4352	KENT AVE & NORTH 11TH ST	2563 feet to the NW
238	9913421	MANHOLE 4352	11TH ST & KENT AVE	2563 feet to the NW
239	9900819	MH 4352	NORTH 11TH AND KENT AVE	2563 feet to the NW
240	1007696	MANHOLE 62550	10TH AVE AND NORTH 11TH ST	2563 feet to the NW
241	0704852	TWO PTS OIL IN MANHOLE #4352	KENT AVENUE & NORTH 11 STREET	2563 feet to the NW
242	0601507	MANHOLE # 4352	KENT AVE & NORTH 11 STREET	2563 feet to the NW
243	0012099	NORTH 11 STREET	AND KENT STREET	2563 feet to the NW
244	0007344	MANHOLE 62550	KENT AV/NORTH 11 ST	2563 feet to the NW
245	0007337	VAULT 3223	KENT AVE/ N 11TH ST	2563 feet to the NW
246	0006192	MANHOLE 4352	KENT AVE/N. 11TH AVE	2563 feet to the NW
247	0000333	MANHOLE 4352	KENT AV & N 11TH ST	2563 feet to the NW
248	0311641	APARTMENT BUILDING	360 SOUTH 1ST STREET	2565 feet to the S
249	0911958	PRIVATE DWELLING	184 RICHARDSON STREET	2569 feet to the ENE
250	0911853	SUMNER RESIDENCE	184 RICHARDSON ST	2569 feet to the ENE
251	9901924	MANHOLE 55946B	HUMBOLT ST MCGUINNESS ST	2576 feet to the ENE
252	9911493	MANHOLE #4382	640 MANHATTAN AVE	2585 feet to the NNE
253	0607343	MULTIPLE FAMILY	335 UNION AVE	2593 feet to the SSE
254	0402785	MANHOLE # 62847	BANKER/NORMAND AVE	2593 feet to the NNW
255	0004919	TM 641	BANKER ST & NORMAN AVE	2593 feet to the NNW
256	0300193	VS 6291	KEAP ST/S 2ND ST	2602 feet to the S
257	9411708	MANHOLE # 264, NYNEX	KENT AVE / N. 12TH STREET	2611 feet to the NW
258	8903958	N 12TH ST & KENT AVE/BKLY	NORTH 12TH ST & KENT AVE	2611 feet to the NW
259	0890447	207270; N 12 ST; VS-3477	N 12 ST; VS-3477	2611 feet to the NW
260	0607452	VS #3477	NORTH 12 STREET & KENT AVENUE	2611 feet to the NW
261	0504719	VS4120	N 12 ST AT KENT AVE	2611 feet to the NW
262	0307020	VS3477	KENT AV & N 12TH ST	2611 feet to the NW
263	9808835	VAULT #3533	15TH ST & GEM ST	2621 feet to the NNW
264	0900808	MANHOLE 4823 CON ED	NORTH 7TH ST & KENT AVE	2621 feet to the WNW
265	9902395	BRONX QUEENS EXPRESSWAY	EXIT 33 MCGUINNESS BLVD	2627 feet to the ENE
266	9608808	BROOKLYN/QUEENS EXPWY	AND MCGINNIS BLVD	2627 feet to the ENE
267	0308472	IN ROADWAY	BROOKLYN QUEENS EXPRESSWAY @ MCGUINNESS BLVD	2627 feet to the ENE

Closed Status Spills (Miscellaneous Spill Causes) -- Total Sites - 15

MAP ID	FACILITY ID	FACILITY NAME
268	0801257	NORTH 11TH
269	0400060	TM 1142
270	9811933	
271	9515443	522 METROPOLITAN AVE
272	9106642	RODNEY & GRAND STS/Ryder

Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile

FACILITY STREET	DISTANCE & DIRECTION
ROEBLING STREET	401 feet to the N
11TH/ROEBLING STREET	401 feet to the N
526 UNION AVE	528 feet to the SE
522 METROPOLITAN AVE	1378 feet to the SSE
RODNEY & GRAND STS	2040 feet to the S

273	8805035	APARTMENT BLDG	677 METROPOLITAN AV	2090 feet to the ESE
274	0513902	DUPLICATE OF	85 N 5TH ST	2213 feet to the W
275	0108329	CANDY & CIGARETTE SUPPLY	109 NORTH 3RD STREET	2374 feet to the W
276	9508902	202 SOUTH 1ST STREET	202 SOUTH 1ST STREET	2409 feet to the SW
277	8704050	KENT AVENUE/N.9TH ST.	KENT AVE / N.9TH ST	2535 feet to the NW
278	9400121	NORTH 12TH AVE & KENT AVE	N 12TH AVE / KENT AVE	2611 feet to the NW
279	9202230	N 12TH ST & KENT AVE	N 12TH ST / KENT AVE	2611 feet to the NW
280	8600609	REGULATOR B9 TRIPS OUT!	N.12TH ST. & KENT AVE.	2611 feet to the NW
281	9001453	KENT AVE BETW N 7 & 8TH	KENT AVE / N 7TH ST	2621 feet to the WNW
282	0007090	MCGUINNESS BLVD & BQE	MCGUINNESS BLVD & BQE	2627 feet to the ENE

Petroleum Bulk Storage Sites -- Total Sites - 14

MAP ID	FACILITY ID	FACILITY NAME
283	2-609544	WING HON HOLDING, INC.
284	2-370045	238 NORTH 9TH STREET REALTY CORP.
285	NY01674	ATLAS FEATHER CORP
286	2-604046	ROEBLING VIEW NORTH, LLC
287	NY05163	J. TUOMEY TRUCK REPAIRS
288	2-610640	544 UNION OWNER LLC
289	2-610135	568-580 UNION AVENUE
290	2-610707	MC CAREN PARK MEWS, LLC
291	2-610790	SUMET I ASSOCIATES
292	NY06153	LOS SURES MGMT CORP.
293	2-609548	WING HON HOLDING
294	2-130249	OUR LADY OF MOUNT CARMEL R.C. CHURCH
295	NY01695	AUTOMATIC BEDDING
296	NY04761	HILDA GEBBERD

Database searched at 1/8 MILE - ASTM required search distance: Property & Adjacent

FACILITY STREET	DISTANCE & DIRECTION
237-243 NORTH 9TH STREET	87 feet to the WSW*
238 NORTH 9TH STREET	244 feet to the SW
38 ROEBLING ST	275 feet to the WNW
5 ROEBLING STREET	316 feet to the NNE
5 ROEBLING ST	316 feet to the NNE
544 UNION AVENUE	372 feet to the ESE
568-580 UNION AVENUE	391 feet to the ENE
204 NORTH 11TH STREET	487 feet to the NNW
215 ROEBLING ST.	507 feet to the N
215 ROEBLING ST	507 feet to the N
212-218 NORTH 9TH STREET	517 feet to the W
11-23 HAVEMEYER STREET	613 feet to the SSE
25 RICHARDSON ST	617 feet to the ENE
28 HAVEMEYER ST	650 feet to the SSW

Hazardous Waste Generators, Transporters -- Total Sites - 8

MAP ID	FACILITY ID	FACILITY NAME
297	NYR000156455	261 DEVELOPMENT GROUP
298	NYR000014472	544 UNION OWNER LLC
299	NYR000140947	MCCAREN MEWS LLC
300	NYP004031381	CONSOLIDATED EDISON
301	NYD044359347	P & G PHOTO ENGRAVING
302	NYD000818476	ADELPHIA CONTAINER CORP
303	NYR000113456	ATELIER VIOLLET
304	NYD063866545	PURITAN LIGHTING FIXTURE CO

Database searched at 1/8 MILE - ASTM required search distance: Property & Adjacent

FACILITY STREET	DISTANCE & DIRECTION
261 N 9TH ST	174 feet to the SSE*
544 UNION AVENUE	385 feet to the ESE
204 NORTH 11TH STREET	452 feet to the NNW
V069-N 8TH & ROEBLING	466 feet to the WSW
17 FROST ST	478 feet to the E
206 N 10TH ST	550 feet to the NW
505 DRIGGS AVE	615 feet to the WNW
255 N 7TH ST	622 feet to the SSW

Chemical Bulk Storage Facilities -- Total Sites - 1

MAP ID	FACILITY ID	FACILITY NAME
305	2-000052	ROBINSON BROS. INDUSTRIES, CORP.

Database searched at 1/8 MILE - ASTM required search distance: Property & Adjacent

FACILITY STREET	DISTANCE & DIRECTION
215 NORTH 10TH ST	363 feet to the NNW

Hazardous Substance Waste Disposal Sites -- Total Sites - 1

MAP ID	FACILITY ID	FACILITY NAME
306		CITY BARREL

Database searched at 1/2 MILE - Non-ASTM Database

FACILITY STREET	DISTANCE & DIRECTION
421 MEEKER STREET	1948 feet to the ENE

Air Discharge Sites -- Total Sites - 5

MAP ID	FACILITY ID	FACILITY NAME
307	36047N0003	ALPHA-EMPIRON BUILDING CORP
308	3604700831	PURITAN LIGHTING
309	3604701028	UNION SCRAP METALS
310	3604702083	PURITAN LIGHTING FIXTURE COMPA

Database searched at 1/8 MILE - Non-ASTM Database

FACILITY STREET	DISTANCE & DIRECTION
240 NORTH 10TH STREET	0 feet
246 NORTH 8TH ST	491 feet to the SW
526 UNION AVENUE	553 feet to the SE
255 N 7TH ST	604 feet to the SSW

311	3604700205	GLOBE LAMINATING	203-209 NRTH 11TH ST	607 feet to the N
NYC Env. Quality Review - Env. Designation Sites -- Total Sites - 12			Database searched at 250 FT - ASTM required search distance: Onsite Only	
MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
312	E-138	BLOCK: 2307 LOT: 1	236 NORTH 10 STREET	0 feet
313	E-138	BLOCK: 2307 LOT: 33	243 NORTH 9 STREET	86 feet to the SW*
314	E-138	BLOCK: 2307 LOT: 36	241 NORTH 9 STREET	99 feet to the WSW*
315	E-138	BLOCK: 2307 LOT: 31	249 NORTH 9 STREET	105 feet to the S*
316	E-138	BLOCK: 2307 LOT: 38	237 NORTH 9 STREET	128 feet to the W*
317	E-138	BLOCK: 2307 LOT: 27	261 NORTH 9 STREET	161 feet to the SSE*
318	E-138	BLOCK: 2300 LOT: 26	235 NORTH 10 STREET	172 feet to the NNE*
319	E-138	BLOCK: 2307 LOT: 14	258 NORTH 10 STREET	175 feet to the SE*
320	E-138	BLOCK: 2300 LOT: 20	249 NORTH 10 STREET	186 feet to the ENE*
321	E-138	BLOCK: 2307 LOT: 16	264 NORTH 10 STREET	215 feet to the SE
322	E-138	BLOCK: 2300 LOT: 1	15 ROEBLING STREET	219 feet to the N
323	E-138	BLOCK: 2307 LOT: 25	267 NORTH 9 STREET	223 feet to the SSE

Identified Toxic Sites by Proximity

250 North 10th Street, Brooklyn, NY 11211

* Compass directions can vary substantially for sites located very close to the subject property address.

Map Id#	Site Name	Site Street	Approximate Distance & Direction From Property	Toxic Site Category
307	ALPHA-EMPIRON BUILDING CORP	240 NORTH 10TH STREET	0 feet	Air Discharge Site
312	BLOCK: 2307 LOT: 1	236 NORTH 10 STREET	0 feet	NYC Env. Qual. Review-"E" Designation
313	BLOCK: 2307 LOT: 33	243 NORTH 9 STREET	86 feet to the SW*	NYC Env. Qual. Review-"E" Designation
283	WING HON HOLDING, INC.	237-243 NORTH 9TH STREET	87 feet to the WSW*	Petroleum Bulk Storage Site
314	BLOCK: 2307 LOT: 36	241 NORTH 9 STREET	99 feet to the WSW*	NYC Env. Qual. Review-"E" Designation
315	BLOCK: 2307 LOT: 31	249 NORTH 9 STREET	105 feet to the S*	NYC Env. Qual. Review-"E" Designation
69	COMMERICAL VACANT LOT	235-239 N 9TH STREET	128 feet to the W*	Closed Status Spill (Unk/Other Cause)
316	BLOCK: 2307 LOT: 38	237 NORTH 9 STREET	128 feet to the W*	NYC Env. Qual. Review-"E" Designation
70	WAREHOUSE	261 NORTH 9TH STREET	144 feet to the SSE*	Closed Status Spill (Unk/Other Cause)
317	BLOCK: 2307 LOT: 27	261 NORTH 9 STREET	161 feet to the SSE*	NYC Env. Qual. Review-"E" Designation
318	BLOCK: 2300 LOT: 26	235 NORTH 10 STREET	172 feet to the NNE*	NYC Env. Qual. Review-"E" Designation
297	261 DEVELOPMENT GROUP	261 N 9TH ST	174 feet to the SSE*	Hazardous Waste Generator/Transporter
319	BLOCK: 2307 LOT: 14	258 NORTH 10 STREET	175 feet to the SE*	NYC Env. Qual. Review-"E" Designation
320	BLOCK: 2300 LOT: 20	249 NORTH 10 STREET	186 feet to the ENE*	NYC Env. Qual. Review-"E" Designation
321	BLOCK: 2307 LOT: 16	264 NORTH 10 STREET	215 feet to the SE	NYC Env. Qual. Review-"E" Designation
322	BLOCK: 2300 LOT: 1	15 ROEBLING STREET	219 feet to the N	NYC Env. Qual. Review-"E" Designation
323	BLOCK: 2307 LOT: 25	267 NORTH 9 STREET	223 feet to the SSE	NYC Env. Qual. Review-"E" Designation
284	238 NORTH 9TH STREET REALTY CORP.	238 NORTH 9TH STREET	244 feet to the SW	Petroleum Bulk Storage Site
285	ATLAS FEATHER CORP	38 ROEBLING ST	275 feet to the WNW	Petroleum Bulk Storage Site
71	BETWEN NORTH 10 /11TH	ROEBLING	300 feet to the N	Closed Status Spill (Unk/Other Cause)
72	MH 4927	HAVERMAYER ST/N 9TH ST	315 feet to the SSE	Closed Status Spill (Unk/Other Cause)
286	ROEBLING VIEW NORTH, LLC	5 ROEBLING STREET	316 feet to the NNE	Petroleum Bulk Storage Site
287	J. TUOMEY TRUCK REPAIRS	5 ROEBLING ST	316 feet to the NNE	Petroleum Bulk Storage Site
22	PROPERTY	55 ROEBLING ST	338 feet to the SW	Active Haz Spill (Unknown/Other Cause)
73	AUNT HEDDY'S BAKERY	234 NORTH 9TH STREET	340 feet to the W	Closed Status Spill (Unk/Other Cause)
74	MANHOLE #4900	NORTH 11TH ST/UNION AVE	354 feet to the NE	Closed Status Spill (Unk/Other Cause)
305	ROBINSON BROS. INDUSTRIES, CORP.	215 NORTH 10TH ST	363 feet to the NNW	Chemical Bulk Storage Facility
288	544 UNION OWNER LLC	544 UNION AVENUE	372 feet to the ESE	Petroleum Bulk Storage Site
75	AMONIUM HYDROCHLORIDE SPI	215 N. 10TH ST	378 feet to the NNW	Closed Status Spill (Unk/Other Cause)
298	544 UNION OWNER LLC	544 UNION AVENUE	385 feet to the ESE	Hazardous Waste Generator/Transporter
76	CONSTRUCTION/EXCAVATION SITE	568 UNION AVENUE	386 feet to the ENE	Closed Status Spill (Unk/Other Cause)
77	MANHOLE 4925	WITHERS ST/UNION AV	387 feet to the SE	Closed Status Spill (Unk/Other Cause)
78	MANHOLE 53375	WITHERS ST/ UNION AVE	387 feet to the SE	Closed Status Spill (Unk/Other Cause)
289	568-580 UNION AVENUE	568-580 UNION AVENUE	391 feet to the ENE	Petroleum Bulk Storage Site
79	MANHOLE #4837	ROEBLING AVE/NORTH 11TH	401 feet to the N	Closed Status Spill (Unk/Other Cause)
80	CONSTRUCTION SITE	ROEBLING STR/NORTH 11TH	401 feet to the N	Closed Status Spill (Unk/Other Cause)
81	CONSTRUCTION SITE	NORTH 11TH ST & ROEBLING	401 feet to the N	Closed Status Spill (Unk/Other Cause)
268	NORTH 11TH	ROEBLING STREET	401 feet to the N	Closed Status Spill (Misc. Spill Cause)
269	TM 1142	11TH/ROEBLING STREET	401 feet to the N	Closed Status Spill (Misc. Spill Cause)
299	MCCAREN MEWS LLC	204 NORTH 11TH STREET	452 feet to the NNW	Hazardous Waste Generator/Transporter
82	W OF ROBLING AV	N 8TH ST	466 feet to the WSW	Closed Status Spill (Unk/Other Cause)
300	CONSOLIDATED EDISON	V069-N 8TH & ROEBLING	466 feet to the WSW	Hazardous Waste Generator/Transporter
83	213 NORTH 9TH STREET	213-217 NORTH 9TH STREET	471 feet to the WNW	Closed Status Spill (Unk/Other Cause)
301	P & G PHOTO ENGRAVING	17 FROST ST	478 feet to the E	Hazardous Waste Generator/Transporter
23	N 11TH STREET SIDEWALK	204-214 NORTH 11TH ST	487 feet to the NNW	Active Haz Spill (Unknown/Other Cause)

84	EXCAVATION	214 NORTH 11TH STREET	487 feet to the NNW	Closed Status Spill (Unk/Other Cause)
85	EXCAVATION SITE	204-214 NORTH 11TH ST	487 feet to the NNW	Closed Status Spill (Unk/Other Cause)
290	MC CAREN PARK MEWS, LLC	204 NORTH 11TH STREET	487 feet to the NNW	Petroleum Bulk Storage Site
308	PURITAN LIGHTING	246 NORTH 8TH ST	491 feet to the SW	Air Discharge Site
39	UNKNOWN GAS STATION	2 ROEBLING ST	507 feet to the N	Closed Status Tank Failure
86	GAS STATION	2 ROEBLING ST	507 feet to the N	Closed Status Spill (Unk/Other Cause)
291	SUMET I ASSOCIATES	215 ROEBLING ST.	507 feet to the N	Petroleum Bulk Storage Site
292	LOS SURES MGMT CORP.	215 ROEBLING ST	507 feet to the N	Petroleum Bulk Storage Site
87	ABANDONED BUCKET	9 RICHARDSON ST	509 feet to the NE	Closed Status Spill (Unk/Other Cause)
293	WING HON HOLDING	212-218 NORTH 9TH STREET	517 feet to the W	Petroleum Bulk Storage Site
270		526 UNION AVE	528 feet to the SE	Closed Status Spill (Misc. Spill Cause)
302	ADELPHIA CONTAINER CORP	206 N 10TH ST	550 feet to the NW	Hazardous Waste Generator/Transporter
309	UNION SCRAP METALS	526 UNION AVENUE	553 feet to the SE	Air Discharge Site
310	PURTAIN LIGHTING FIXTURE COMPA	255 N 7TH ST	604 feet to the SSW	Air Discharge Site
311	GLOBE LAMINATING	203-209 NRTH 11TH ST	607 feet to the N	Air Discharge Site
88	COMMERCIAL PROPERTY	200 NORTH 11TH STREET	608 feet to the NNW	Closed Status Spill (Unk/Other Cause)
89	MANHOLE 4930	UNION AVE/JACKSON ST	609 feet to the SSE	Closed Status Spill (Unk/Other Cause)
294	OUR LADY OF MOUNT CARMEL R.C. CHURCH	11-23 HAVEMEYER STREET	613 feet to the SSE	Petroleum Bulk Storage Site
303	ATELIER VIOLLET	505 DRIGGS AVE	615 feet to the WNW	Hazardous Waste Generator/Transporter
49	CLOSED-LACKOF RECENT INFO	275 NORTH 8TH ST.	617 feet to the SSE	Closed Status Tank Test Failure
295	AUTOMATIC BEDDING	25 RICHARDSON ST	617 feet to the ENE	Petroleum Bulk Storage Site
304	PURITAN LIGHTING FIXTURE CO	255 N 7TH ST	622 feet to the SSW	Hazardous Waste Generator/Transporter
90	MANHOLE 16282	IFO 288 NO 8TH ST	630 feet to the S	Closed Status Spill (Unk/Other Cause)
296	HILDA GEBBERD	28 HAVEMEYER ST	650 feet to the SSW	Petroleum Bulk Storage Site
91	AMOCO STATION -MTBE	243 MEEKER AVENUE	730 feet to the ESE	Closed Status Spill (Unk/Other Cause)
92	VACANT/ COMMERCIAL	506 DRIGGS AVE	753 feet to the WNW	Closed Status Spill (Unk/Other Cause)
93	LOT NEXT TO 583 DRIDGES	CRN DRIGGES AVE & 8TH	768 feet to the W	Closed Status Spill (Unk/Other Cause)
94	SUBWAY TRACKS-NYCT	257 NORTH 6TH ST	804 feet to the SW	Closed Status Spill (Unk/Other Cause)
95	IN STREET	MEEKER AVE/ UNION AVE	829 feet to the SSE	Closed Status Spill (Unk/Other Cause)
24	COMMERCIAL PROPERTY	454 DRIGGS AVE	885 feet to the NNW	Active Haz Spill (Unknown/Other Cause)
25	169-175 NORTH 10TH STREET	169-175 NORTH 10TH STREET	886 feet to the NW	Active Haz Spill (Unknown/Other Cause)
96	GAS STATION	25 SKILLMAN AVE	901 feet to the SE	Closed Status Spill (Unk/Other Cause)
97	25 SKILLMAN AVE	25 SKILLMAN AVE	901 feet to the SE	Closed Status Spill (Unk/Other Cause)
98	MANHOLE #53380	MEEKER AVE/WITHERS ST	921 feet to the E	Closed Status Spill (Unk/Other Cause)
99	MANHOLE 4880	218 N 7 ST	924 feet to the WSW	Closed Status Spill (Unk/Other Cause)
100	546 DRIGGS AVE	546 DRIGGS AVE	935 feet to the W	Closed Status Spill (Unk/Other Cause)
101	RESIDENCE	684 LORIMER ST	944 feet to the E	Closed Status Spill (Unk/Other Cause)
102	STAR SOAP AND CANDLE CO.	304 NORTH 7TH STREET	945 feet to the S	Closed Status Spill (Unk/Other Cause)
103	STAR SOAP AND CANDLE CO.	304 NORTH 7TH ST	945 feet to the S	Closed Status Spill (Unk/Other Cause)
104	310 N 7TH ST	310 N 7TH ST	945 feet to the S	Closed Status Spill (Unk/Other Cause)
105	704 LORIMER ST	704 LORIMER ST	948 feet to the ENE	Closed Status Spill (Unk/Other Cause)
106	VACANT LOT	165 NORTH 10TH ST	963 feet to the NW	Closed Status Spill (Unk/Other Cause)
107	MANHOLE #616218	6TH ST & ROEELING ST	966 feet to the SW	Closed Status Spill (Unk/Other Cause)
108	HYDRO TECH	170 NORTH 11TH STREET	972 feet to the NW	Closed Status Spill (Unk/Other Cause)
26	INSIDE MCCARREN POOL	BAYARD AND LORIMER ST.	999 feet to the NE	Active Haz Spill (Unknown/Other Cause)
109	SB 16241	179 NORTH 7 ST	1022 feet to the W	Closed Status Spill (Unk/Other Cause)
40	68 RICHARDSON STREET	68 RICHARDSON STREET	1033 feet to the ENE	Closed Status Tank Failure
1	BQE/ANSBACHER COLOR & DYE FACTORY	MEEKER AVENUE	1051 feet to the S	NYSDEC Inactive Haz Waste Disposal Site
50	64 FROST ST	64 FROST STREET	1051 feet to the E	Closed Status Tank Test Failure
110	ON BENCH WALL AND CAT WAL -NYCT	K 177 NO 7TH ST	1055 feet to the W	Closed Status Spill (Unk/Other Cause)
37	CONSTRUCTION SITE	95 BEDFORD AVE	1071 feet to the NNW	Active Haz Spill (Misc. Spill Cause)
111	105 BEDFORD AV	105 BEDFORD AVENUE	1071 feet to the NNW	Closed Status Spill (Unk/Other Cause)
112	NEW APT BLDG/FORMER PAINT FACTORY	95 BEDFORD AVENUE	1071 feet to the NNW	Closed Status Spill (Unk/Other Cause)

113	EIGHT GAL XFMR LEAK IN MANHOLE #1706	155 NORTH 11 ST (AT BEDFORD AVE).	1071 feet to the NNW	Closed Status Spill (Unk/Other Cause)
114	59-65 FROST STREET	59-65 FROST STREET	1074 feet to the E	Closed Status Spill (Unk/Other Cause)
115	30 SKILLMAN AVE	30 SKILLMAN AVE	1080 feet to the SE	Closed Status Spill (Unk/Other Cause)
116		BEDFORD AVE/N 9TH ST	1112 feet to the WNW	Closed Status Spill (Unk/Other Cause)
51	MARTIN GURSHON	179 NORTH 6TH STREET	1141 feet to the W	Closed Status Tank Test Failure
52		179 N 6TH STREET	1141 feet to the W	Closed Status Tank Test Failure
41	UNICO GAS STATION	445 METROPOLITAN AVE	1157 feet to the S	Closed Status Tank Failure
117	GAS STATION	445 METROPOLITAN AVE	1157 feet to the S	Closed Status Spill (Unk/Other Cause)
118	BROTHERS CLEANERS	122 ROEBLING ROAD	1164 feet to the SW	Closed Status Spill (Unk/Other Cause)
119	CAMPBELL RESIDENCE	120 BEDFORD AVE	1191 feet to the NW	Closed Status Spill (Unk/Other Cause)
120	TRAFFIC ACCIDENT	MEEKER AVE/METROPOLITAN A	1200 feet to the S	Closed Status Spill (Unk/Other Cause)
53	ST VINCENT DEPAUL CHURCH	167 N. 6TH ST	1229 feet to the W	Closed Status Tank Test Failure
20	ENGINE CO. 229 FDNY -DDC	76 RICHARDSON STREET	1230 feet to the ENE	Active Tank Failure
21	187 BEDFORD AVE	187 BEDFORD AVENUE	1269 feet to the W	Active Tank Test Failure
54	F N W MECHANICAL	139 NORTH 10TH STREET	1280 feet to the NW	Closed Status Tank Test Failure
121	ASCENTION CHURCH/BKLYN	N 5TH ST / METRO. AVE	1282 feet to the SSW	Closed Status Spill (Unk/Other Cause)
42	172 BEDFORD AVE/BKLYN	172 BEDFORD AVENUE	1289 feet to the WNW	Closed Status Tank Failure
43	174 BEDFORD AVE/BKLYN	174 BEDFORD AVENUE	1298 feet to the WNW	Closed Status Tank Failure
122	COMMERCIAL LOT	407 LEONARD STREET/BAYARD	1307 feet to the ENE	Closed Status Spill (Unk/Other Cause)
123	COMMERCIAL LOT	407 LEONARD ST	1307 feet to the ENE	Closed Status Spill (Unk/Other Cause)
124	MANHOLE 64805	MEECKER AVE A DN FROST ST	1332 feet to the E	Closed Status Spill (Unk/Other Cause)
55	CLOSED-LACKOF RECENT INFO	167 NORTH 5TH STREET	1350 feet to the WSW	Closed Status Tank Test Failure
125	MAN HOLE #4934	UNION AVE / KEAP ST	1370 feet to the SSE	Closed Status Spill (Unk/Other Cause)
271	522 METROPOLITAN AVE	522 METROPOLITAN AVE	1378 feet to the SSE	Closed Status Spill (Misc. Spill Cause)
44	S/W COR METROPOLITAN/MARC	402 METROPOLITAN AVENUE	1392 feet to the SSW	Closed Status Tank Failure
56	402 METROPOLITAN AVE.	402 METROPOLITAN AVENUE	1392 feet to the SSW	Closed Status Tank Test Failure
57	402 METROPOLITAN AV/BKLYN	402 METROPOLITAN AVENUE	1392 feet to the SSW	Closed Status Tank Test Failure
126	125 NORTH 10TH ST	125 NORTH 10TH ST	1395 feet to the NW	Closed Status Spill (Unk/Other Cause)
127	MANHOLE 15285	METROPOLITAN AVE/HAVEMEYE	1397 feet to the SSW	Closed Status Spill (Unk/Other Cause)
45	GAS STATION	392 LEONARD STREET	1400 feet to the ENE	Closed Status Tank Failure
128		392 LEONARD STREET	1400 feet to the ENE	Closed Status Spill (Unk/Other Cause)
129	CONSTRUCTION SITE	392 LEONARD STREET	1400 feet to the ENE	Closed Status Spill (Unk/Other Cause)
18	NATIONAL PAPER STOCK CART		1408 feet to the NW	Solid Waste Facility
130	VS 3971	BAYARD ST/LEONARD ST	1419 feet to the ENE	Closed Status Spill (Unk/Other Cause)
131	390 METROPOLITAN AV/BKLYN	390 METROPOLITAN AVENUE	1431 feet to the SSW	Closed Status Spill (Unk/Other Cause)
132	VACANT BUILDING	142 NORTH 8TH ST	1435 feet to the WNW	Closed Status Spill (Unk/Other Cause)
58	154-158 NORTH 7TH ST/BKLY	154-158 NORTH 7TH STREET	1444 feet to the W	Closed Status Tank Test Failure
133	SERVICE BOX	87 RICHARDSON ST	1451 feet to the ENE	Closed Status Spill (Unk/Other Cause)
134	MANHOLE (UNK #)	87 RICHARDSON ST	1451 feet to the ENE	Closed Status Spill (Unk/Other Cause)
135	BEDFORD AVE&N 6TH ST/BKLY	BEDFORD AVE / N 6TH ST	1451 feet to the W	Closed Status Spill (Unk/Other Cause)
136		354 LEONARD ST	1451 feet to the E	Closed Status Spill (Unk/Other Cause)
137		354 LEONARD ST	1451 feet to the E	Closed Status Spill (Unk/Other Cause)
14	ALL PLATING CORP.	154 NORTH 7TH STREET	1463 feet to the W	CERCLIS Superfund NFRAP Site
138		ROEBLING ST & N 4TH ST	1489 feet to the SW	Closed Status Spill (Unk/Other Cause)
139	MANHOLE 12074	115 BERRY ST	1492 feet to the WNW	Closed Status Spill (Unk/Other Cause)
140	METROPOLITAN AVE/BTWN	HAVEMEYER ST-ROEBLING	1530 feet to the SW	Closed Status Spill (Unk/Other Cause)
141	MANHOLE 4939	564 METROPOLITAIN AVE	1533 feet to the SSE	Closed Status Spill (Unk/Other Cause)
142	ON SIDEWALK	34 AINSLIE/RODNEY STREET	1551 feet to the S	Closed Status Spill (Unk/Other Cause)
143	BERRY ST & 10TH AVE/BKLYN	BERRY ST & 10TH AVENUE	1562 feet to the NW	Closed Status Spill (Unk/Other Cause)
144	152 NO. 5TH ST./HOLY GHOS	152 NO. 5TH ST	1569 feet to the WSW	Closed Status Spill (Unk/Other Cause)
145	MANHOLE 12074	113 BERRY ST	1575 feet to the WNW	Closed Status Spill (Unk/Other Cause)
27	G&A AUTO REPAIR	291 METROPOLITAN AVE	1586 feet to the SW	Active Haz Spill (Unknown/Other Cause)
146	BMT L LINE	LORIMER/METROPOLITIAN	1587 feet to the SE	Closed Status Spill (Unk/Other Cause)

147	METROPOLITAN AV AND	LORIMER ST	1587 feet to the SE	Closed Status Spill (Unk/Other Cause)
148	REGENCY METAL STAMPING	140 NORTH 7TH ST	1610 feet to the W	Closed Status Spill (Unk/Other Cause)
16	285 AND 291 METROPOLITAN AVE	285, 291 METROPOLITAN AVENUE	1616 feet to the SW	Brownfields Site
149	433 UNION AVE	433 UNION AVE	1616 feet to the SSE	Closed Status Spill (Unk/Other Cause)
150	MANHOLE 4935	MANHOLE 4935	1621 feet to the SSE	Closed Status Spill (Unk/Other Cause)
151	CYN BAR	NORTH 5TH & BEDFORD AVE	1633 feet to the W	Closed Status Spill (Unk/Other Cause)
152	MANHOLE 4869	BEDFORD AVE/N 5TH ST	1633 feet to the W	Closed Status Spill (Unk/Other Cause)
153	MH 4869	BEDFORD AVE/NORTH 5TH STBR	1633 feet to the W	Closed Status Spill (Unk/Other Cause)
154	CONSTRUCTION SITE	161 NORTH 4TH	1637 feet to the WSW	Closed Status Spill (Unk/Other Cause)
28	AINSLIE ST SUBST TR # 3	34-50 AINSLIE STREET	1644 feet to the S	Active Haz Spill (Unknown/Other Cause)
29	AINSLIE ST SUBST TR # 4	34-50 AINSLIE STREET	1644 feet to the S	Active Haz Spill (Unknown/Other Cause)
30	AINSLIE ST SUBST TR # 2	34-50 AINSLIE STREET	1644 feet to the S	Active Haz Spill (Unknown/Other Cause)
155	AINSLIE ST. S/S	34 AINSLIE STREET	1644 feet to the S	Closed Status Spill (Unk/Other Cause)
156	AINSLIE ST SUBST TR #4	34-50 AINSLIE STREET	1644 feet to the S	Closed Status Spill (Unk/Other Cause)
157	213519; 133 NO. 5 ST	133 NO. 5 ST	1674 feet to the W	Closed Status Spill (Unk/Other Cause)
158	COMMERCIAL	125 BERRY ST	1678 feet to the WNW	Closed Status Spill (Unk/Other Cause)
159	GAS STATION	417 UNION AVE	1727 feet to the SSE	Closed Status Spill (Unk/Other Cause)
160	MAIN ROAD WAY	HOPE STREET AND MARCY AVE	1735 feet to the SSW	Closed Status Spill (Unk/Other Cause)
161	INTERSECTION FROM MANHOLE 4917	MANHATTAN AVE AND FROST ST	1793 feet to the E	Closed Status Spill (Unk/Other Cause)
46	STREET SPILL	HOPE STREET AND RODNEY ST	1798 feet to the S	Closed Status Tank Failure
47	STREET	HOPE STREET AND RODNEY ST	1798 feet to the S	Closed Status Tank Failure
59	AUTOMOTIVE HIGH SCHOOL - TTF	50 BEDFORD AVENUE	1798 feet to the N	Closed Status Tank Test Failure
60	PS 610	50 BEDFORD AVENUE	1798 feet to the N	Closed Status Tank Test Failure
162	FEEDER 61	RODNEY & HOPE ST	1798 feet to the S	Closed Status Spill (Unk/Other Cause)
163	TRANSMISSION MANHOLE 71303	MEEKER AND RICHARDSON ST	1815 feet to the ENE	Closed Status Spill (Unk/Other Cause)
164	MH4940	LORIMER ST/DEVOE ST	1822 feet to the SE	Closed Status Spill (Unk/Other Cause)
165	CONSTRUCITON SITE	40 BERRY STREET	1823 feet to the NW	Closed Status Spill (Unk/Other Cause)
166	34-42 BERRY ST	40 BERRY STREET	1823 feet to the NW	Closed Status Spill (Unk/Other Cause)
167	CONSTRUCTION SITE	351 MANHATTAN AVE	1836 feet to the ESE	Closed Status Spill (Unk/Other Cause)
168	CONSTRUCTION SITE	14 HOPE ST	1846 feet to the SW	Closed Status Spill (Unk/Other Cause)
169	TEN GAL OIL IN SERVICE BOX #23546	239 BEDFORD AVENUE	1862 feet to the WSW	Closed Status Spill (Unk/Other Cause)
170	MANHOLE 149	AINSLIE ST & UNION AVE	1877 feet to the SSE	Closed Status Spill (Unk/Other Cause)
171	APPEARS THAT 20 GAL COOKING OIL	LEONARD ST & METROPOLITAN AVE	1882 feet to the SE	Closed Status Spill (Unk/Other Cause)
61	COMMERCIAL BUILDING	93 NORTH 9TH STREET	1886 feet to the NW	Closed Status Tank Test Failure
172	93 NORTH 9TH ST	93 NORTH 9TH STREET	1886 feet to the NW	Closed Status Spill (Unk/Other Cause)
173	COMMERCIAL PROPERTY	120 NEWTON AVENUE	1900 feet to the ENE	Closed Status Spill (Unk/Other Cause)
174	LIKA RESIDENCE	114 NORTH 7TH STREET	1906 feet to the WNW	Closed Status Spill (Unk/Other Cause)
175	CONSTRUCTION SITE	474 LEONARD STREET	1917 feet to the NE	Closed Status Spill (Unk/Other Cause)
176	210109; KEAP ST	KEAP ST	1943 feet to the S	Closed Status Spill (Unk/Other Cause)
177	206821; KEAP ST	KEAP ST	1943 feet to the S	Closed Status Spill (Unk/Other Cause)
178		HOPE ST & KEAP ST	1943 feet to the S	Closed Status Spill (Unk/Other Cause)
306	CITY BARREL	421 MEEKER STREET	1948 feet to the ENE	Hazardous Substance Waste Disposal Site
2	CITY BARREL CO.	421-429 MEEKER STREET	1957 feet to the ENE	NYSDEC Inactive Haz Waste Disposal Site
15	CITY BARREL	421-429 MEEKER ST	1957 feet to the ENE	CERCLIS Superfund NFRAP Site
179	MANHOLE 4379	DRIGGS AVE&MANHATTAN AVE	1961 feet to the NNE	Closed Status Spill (Unk/Other Cause)
180	**DRILL** TM 755 **DRILL**	**DRILL** DRIGGS AVE/MANHATTAN AV	1961 feet to the NNE	Closed Status Spill (Unk/Other Cause)
17	K - WYTHE AVE STATION	WYTHE AVE., BERRY ST., N 12TH & 13TH ST	1969 feet to the NNW	Brownfields Site
181	THIRTY GAL UNKNOWN LIQUID IN MH 12081	BERRY STREET & 5 STREET	1971 feet to the W	Closed Status Spill (Unk/Other Cause)
182	GRAND & HAVEMEYER ST	GRAND & HAVEMEYER ST	1977 feet to the SSW	Closed Status Spill (Unk/Other Cause)
183		MARCY AV NORTH OF GRAND S	1978 feet to the SSW	Closed Status Spill (Unk/Other Cause)
184	MH 59599	MARCY AVE AND GRAND ST	1978 feet to the SSW	Closed Status Spill (Unk/Other Cause)
3	K - WYTHE AVE. STATION	WYTHE AVE., BERRY ST., N 12TH & 13TH ST	1986 feet to the NNW	NYSDEC Inactive Haz Waste Disposal Site
185	19 NASSAU AVE./CORNER OF	19 NASSAU AVE	1999 feet to the N	Closed Status Spill (Unk/Other Cause)

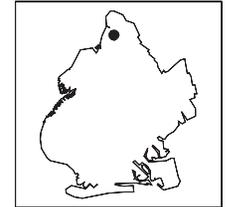
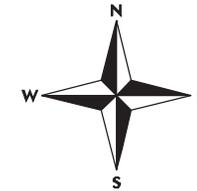
186	CHLORINE FACTORY	126 NEWTON ST	2000 feet to the ENE	Closed Status Spill (Unk/Other Cause)
187	BUILDING	69 WYTHE AVE	2008 feet to the NW	Closed Status Spill (Unk/Other Cause)
188	GAS STATION	116 CONSELYEA STREET	2024 feet to the ESE	Closed Status Spill (Unk/Other Cause)
189	BUILDING	146 BERRY STREET	2032 feet to the W	Closed Status Spill (Unk/Other Cause)
190	2ND AVE SUBWAY- NYCT	249 GRAND STREET	2040 feet to the SW	Closed Status Spill (Unk/Other Cause)
272	RODNEY & GRAND STS/Ryder	RODNEY & GRAND STS	2040 feet to the S	Closed Status Spill (Misc. Spill Cause)
191	OLD PAINT FACTORY	133 JACKSON AVE	2041 feet to the E	Closed Status Spill (Unk/Other Cause)
192	CONSTRUCTION SITE	133 JACKSON AVE	2041 feet to the E	Closed Status Spill (Unk/Other Cause)
193	IFO HOUSE	143 AINSLIE ST	2056 feet to the SE	Closed Status Spill (Unk/Other Cause)
194	209741; WYTHE AVE; M-4848	WYTHE AVE; M-4848	2071 feet to the NW	Closed Status Spill (Unk/Other Cause)
195	CORNOR OF CONSELYEA	MANHATTAN AVE	2090 feet to the ESE	Closed Status Spill (Unk/Other Cause)
273	APARTMENT BLDG	677 METROPOLITAN AV	2090 feet to the ESE	Closed Status Spill (Misc. Spill Cause)
62	BRUMAR SHEET METAL INC	498 LEONARD STREET	2098 feet to the NNE	Closed Status Tank Test Failure
196	EXCAVATION	140 JACKSON STREET	2099 feet to the E	Closed Status Spill (Unk/Other Cause)
197	MH 4360	WYTHE AVENUE & NORTH 11 STREET	2100 feet to the NW	Closed Status Spill (Unk/Other Cause)
198	VACANT LOT	441 GRAND STREET	2111 feet to the S	Closed Status Spill (Unk/Other Cause)
63	UNITED AMBULETTE	495 GRAHAM AVE	2141 feet to the ENE	Closed Status Tank Test Failure
199	MANHOLE 64134	NORTH 4TH ST/BERRY ST	2141 feet to the W	Closed Status Spill (Unk/Other Cause)
200	INTERSECTION	N 153 ST & WYTHE AVE	2154 feet to the NNW	Closed Status Spill (Unk/Other Cause)
201	MANHOLE 627	WYTHE AV / N 12TH ST	2159 feet to the NW	Closed Status Spill (Unk/Other Cause)
202	MANHOLE 59560	12TH ST & WITHE AVE	2159 feet to the NW	Closed Status Spill (Unk/Other Cause)
203	DUMPSTER	134 WYTHE AVE	2161 feet to the WNW	Closed Status Spill (Unk/Other Cause)
64	146 WYTHE AVE/BROOKLYN	146 WYTHE AVENUE	2178 feet to the WNW	Closed Status Tank Test Failure
204	ON SIDEWALK	NORTH 7TH /WYTHEAVE	2180 feet to the WNW	Closed Status Spill (Unk/Other Cause)
65	NASH METAL WARE CO, INC	1 NASSAU AVENUE	2211 feet to the NNW	Closed Status Tank Test Failure
205	PAINT FACTORY	415 GRAHAM AVE	2213 feet to the E	Closed Status Spill (Unk/Other Cause)
274	DUPLICATE OF	85 N 5TH ST	2213 feet to the W	Closed Status Spill (Misc. Spill Cause)
206	CONSTRUCTIO PROJ	197 BERRY STREET	2218 feet to the W	Closed Status Spill (Unk/Other Cause)
207	VACANT LOT	197 BERRY STREET	2218 feet to the W	Closed Status Spill (Unk/Other Cause)
208	SUPERIOR INGREDIENTS	74 WYTHE AVE	2223 feet to the NW	Closed Status Spill (Unk/Other Cause)
31	APARTMENT BUILDING	73 NORTH 8TH STREET	2230 feet to the WNW	Active Haz Spill (Unknown/Other Cause)
209	73 NORTH 8TH ST/BROOKLYN	73 NORTH 8TH STREET	2230 feet to the WNW	Closed Status Spill (Unk/Other Cause)
210	INTERSECTION	NORTH 1ST STREET	2232 feet to the WSW	Closed Status Spill (Unk/Other Cause)
211	FALSE ALARM LTD	168 N. 14TH ST/ 93-101 N. 13TH ST/ 29-43 WYTHE AVE	2235 feet to the NNW	Closed Status Spill (Unk/Other Cause)
212	MANHOLE 58130	126 NORTH 3RD ST	2235 feet to the WSW	Closed Status Spill (Unk/Other Cause)
38	WYTHE AVE & N 13TH ST	WYTHE AVE & N 13TH ST	2246 feet to the NNW	Active Haz Spill (Misc. Spill Cause)
213	RESIDENTS	67 NORTH 8TH STREET	2247 feet to the WNW	Closed Status Spill (Unk/Other Cause)
214	TRANSFORMER 189	RODNEY ST / 1ST STREET	2250 feet to the S	Closed Status Spill (Unk/Other Cause)
215	REPAIR SHOP	341 SOUTH 1ST STREET	2255 feet to the S	Closed Status Spill (Unk/Other Cause)
216	MANHOLE 4376 AND BEDFORD	AVE AND LOROMIER AVE	2259 feet to the N	Closed Status Spill (Unk/Other Cause)
217	MH 4374	NASSAU AV/LAURAMAR AV	2259 feet to the N	Closed Status Spill (Unk/Other Cause)
218	SCHOOL	320 MANHATTAN AVE.	2261 feet to the ESE	Closed Status Spill (Unk/Other Cause)
219	351 SOUTH 1ST STREET	351 SOUTH 1ST STREET	2271 feet to the S	Closed Status Spill (Unk/Other Cause)
220	SIDEWALK	351 SOUTH 1ST STREET	2271 feet to the S	Closed Status Spill (Unk/Other Cause)
221	VAULT # 4066 HAS 15 GALLONS OIL	IN FRONT OF 80 NORTH 5 STREET	2274 feet to the W	Closed Status Spill (Unk/Other Cause)
32	COMMERCIAL PROPERTY (FORMER SHELL GAS STA)	351 SO FIRST ST & 456 GRAND ST (SAME LOCATION)	2286 feet to the S	Active Haz Spill (Unknown/Other Cause)
222	MH 225	AINSIE ST/LEONARD ST	2288 feet to the SE	Closed Status Spill (Unk/Other Cause)
223	RESIDENCE	381 GRAHAM AVE APT 2	2290 feet to the E	Closed Status Spill (Unk/Other Cause)
224	MANHOLE 38010	84 MARCY AVE	2295 feet to the SSW	Closed Status Spill (Unk/Other Cause)
225	606 MANHATTAN AVENUE	606 MANHATTAN AVENUE	2297 feet to the NNE	Closed Status Spill (Unk/Other Cause)
33	SYLVAN EQUIPMENT	91 NORTH 12TH ST	2306 feet to the NNW	Active Haz Spill (Unknown/Other Cause)
48	NATIONS RENT	91 NORTH 12TH ST	2306 feet to the NNW	Closed Status Tank Failure
226		91 NORTH 12TH ST	2306 feet to the NNW	Closed Status Spill (Unk/Other Cause)

227	SERVICE BOX #1906	144 HAVEMEYER ST	2329 feet to the SSW	Closed Status Spill (Unk/Other Cause)
228	TM2850	80 N 5TH ST	2342 feet to the W	Closed Status Spill (Unk/Other Cause)
66	APARTMENT BUILDING	265 SOUTH 2ND ST	2348 feet to the SSW	Closed Status Tank Test Failure
67	273 SOUTH SECOND STREET	273 SOUTH SECOND STREET	2350 feet to the SSW	Closed Status Tank Test Failure
275	CANDY & CIGARETTE SUPPLY	109 NORTH 3RD STREET	2374 feet to the W	Closed Status Spill (Misc. Spill Cause)
276	202 SOUTH 1ST STREET	202 SOUTH 1ST STREET	2409 feet to the SW	Closed Status Spill (Misc. Spill Cause)
229	BOGUMIL HOME	101 ECKFORD STREET	2410 feet to the NNE	Closed Status Spill (Unk/Other Cause)
230	GREEN POINT CAR WASH, INC.	(AKA AUTOCLEAN CARWASH, INC.)	2456 feet to the NE	Closed Status Spill (Unk/Other Cause)
231	176 GRAND ST EXT/BKLYN	176 GRAND ST EXTENSION	2507 feet to the WSW	Closed Status Spill (Unk/Other Cause)
68	APARTMENT BUILDING	278 SOUTH 2ND ST	2512 feet to the SSW	Closed Status Tank Test Failure
34	MANHOLE #4353	KENT AVENUE & N. 10 STREET	2531 feet to the NW	Active Haz Spill (Unknown/Other Cause)
232	MANHOLE 4353	KENT AV & 10TH ST	2531 feet to the NW	Closed Status Spill (Unk/Other Cause)
233	MANHOLE#4353	KENT AVE./ N. 10TH ST.	2531 feet to the NW	Closed Status Spill (Unk/Other Cause)
234	MANHOLE 4353	KENT AVE/NORTH 10TH ST	2531 feet to the NW	Closed Status Spill (Unk/Other Cause)
235	MANHOLE 4353	KENT AV & N 10TH ST	2531 feet to the NW	Closed Status Spill (Unk/Other Cause)
277	KENT AVENUE/N.9TH ST.	KENT AVE / N.9TH ST	2535 feet to the NW	Closed Status Spill (Misc. Spill Cause)
236	MANHOLE 4855	WYTHE & 4TH ST	2537 feet to the W	Closed Status Spill (Unk/Other Cause)
237	MANHOLE #4352	KENT AVE & NORTH 11TH ST	2563 feet to the NW	Closed Status Spill (Unk/Other Cause)
238	MANHOLE 4352	11TH ST & KENT AVE	2563 feet to the NW	Closed Status Spill (Unk/Other Cause)
239	MH 4352	NORTH 11TH AND KENT AVE	2563 feet to the NW	Closed Status Spill (Unk/Other Cause)
240	MANHOLE 62550	10TH AVE AND NORTH 11TH ST	2563 feet to the NW	Closed Status Spill (Unk/Other Cause)
241	TWO PTS OIL IN MANHOLE #4352	KENT AVENUE & NORTH 11 STREET	2563 feet to the NW	Closed Status Spill (Unk/Other Cause)
242	MANHOLE # 4352	KENT AVE & NORTH 11 STREET	2563 feet to the NW	Closed Status Spill (Unk/Other Cause)
243	NORTH 11 STREET	AND KENT STREET	2563 feet to the NW	Closed Status Spill (Unk/Other Cause)
244	MANHOLE 62550	KENT AV/NORTH 11 ST	2563 feet to the NW	Closed Status Spill (Unk/Other Cause)
245	VAULT 3223	KENT AVE/ N 11TH ST	2563 feet to the NW	Closed Status Spill (Unk/Other Cause)
246	MANHOLE 4352	KENT AVE/N. 11TH AVE	2563 feet to the NW	Closed Status Spill (Unk/Other Cause)
247	MANHOLE 4352	KENT AV & N 11TH ST	2563 feet to the NW	Closed Status Spill (Unk/Other Cause)
248	APARTMENT BUILDING	360 SOUTH 1ST STREET	2565 feet to the S	Closed Status Spill (Unk/Other Cause)
249	PRIVATE DWELLING	184 RICHARDSON STREET	2569 feet to the ENE	Closed Status Spill (Unk/Other Cause)
250	SUMNER RESIDENCE	184 RICHARDSON ST	2569 feet to the ENE	Closed Status Spill (Unk/Other Cause)
251	MANHOLE 55946B	HUMBOLT ST MCGUINNESS ST	2576 feet to the ENE	Closed Status Spill (Unk/Other Cause)
35	99 CENT STORE	640 MANHATTAN AVE	2585 feet to the NNE	Active Haz Spill (Unknown/Other Cause)
252	MANHOLE #4382	640 MANHATTAN AVE	2585 feet to the NNE	Closed Status Spill (Unk/Other Cause)
253	MULTIPLE FAMILY	335 UNION AVE	2593 feet to the SSE	Closed Status Spill (Unk/Other Cause)
254	MANHOLE # 62847	BANKER/NORMAND AVE	2593 feet to the NNW	Closed Status Spill (Unk/Other Cause)
255	TM 641	BANKER ST & NORMAN AVE	2593 feet to the NNW	Closed Status Spill (Unk/Other Cause)
256	VS 6291	KEAP ST/S 2ND ST	2602 feet to the S	Closed Status Spill (Unk/Other Cause)
4	K - WILLIAMSBURG WORKS	KENT AVE & 12TH STREET	2611 feet to the NW	NYSDEC Inactive Haz Waste Disposal Site
19	NORTH 12 STREET T.S.		2611 feet to the NW	Solid Waste Facility
36	MH 63427 AND VS 3477	NORTH 12TH ST/KENT AVE	2611 feet to the NW	Active Haz Spill (Unknown/Other Cause)
257	MANHOLE # 264, NYNEX	KENT AVE / N. 12TH STREET	2611 feet to the NW	Closed Status Spill (Unk/Other Cause)
258	N 12TH ST & KENT AVE/BKLY	NORTH 12TH ST & KENT AVE	2611 feet to the NW	Closed Status Spill (Unk/Other Cause)
259	207270; N 12 ST; VS-3477	N 12 ST; VS-3477	2611 feet to the NW	Closed Status Spill (Unk/Other Cause)
260	VS #3477	NORTH 12 STREET & KENT AVENUE	2611 feet to the NW	Closed Status Spill (Unk/Other Cause)
261	VS4120	N 12 ST AT KENT AVE	2611 feet to the NW	Closed Status Spill (Unk/Other Cause)
262	VS3477	KENT AV & N 12TH ST	2611 feet to the NW	Closed Status Spill (Unk/Other Cause)
278	NORTH 12TH AVE & KENT AVE	N 12TH AVE / KENT AVE	2611 feet to the NW	Closed Status Spill (Misc. Spill Cause)
279	N 12TH ST & KENT AVE	N 12TH ST / KENT AVE	2611 feet to the NW	Closed Status Spill (Misc. Spill Cause)
280	REGULATOR B9 TRIPS OUT!	N.12TH ST. & KENT AVE.	2611 feet to the NW	Closed Status Spill (Misc. Spill Cause)
263	VAULT #3533	15TH ST & GEM ST	2621 feet to the NNW	Closed Status Spill (Unk/Other Cause)
264	MANHOLE 4823 CON ED	NORTH 7TH ST & KENT AVE	2621 feet to the WNW	Closed Status Spill (Unk/Other Cause)
281	KENT AVE BETW N 7 & 8TH	KENT AVE / N 7TH ST	2621 feet to the WNW	Closed Status Spill (Misc. Spill Cause)

265	BRONX QUEENS EXPRESSWAY	EXIT 33 MCGUINNESS BLVD	2627 feet to the ENE	Closed Status Spill (Unk/Other Cause)
266	BROOKLYN/QUEENS EXPWY	AND MCGINNIS BLVD	2627 feet to the ENE	Closed Status Spill (Unk/Other Cause)
267	IN ROADWAY	BROOKLYN QUEENS EXPRESSWAY @ MCGUINNESS BLVD	2627 feet to the ENE	Closed Status Spill (Unk/Other Cause)
282	MCGUINNESS BLVD & BQE	MCGUINNESS BLVD & BQE	2627 feet to the ENE	Closed Status Spill (Misc. Spill Cause)
5	BROOKLYN NORTH 1 GARAGE	50 KENT AVENUE	2833 feet to the NW	NYSDEC Inactive Haz Waste Registry Qual.
6	KENT TERMINAL	KENT AVE. BETWEEN N.5TH & N.11TH ST.	2980 feet to the WNW	NYSDEC Inactive Haz Waste Registry Qual.
7	K - WILLIAMSBURG WORKS	KENT AVE & 12TH STREET	3071 feet to the NW	NYSDEC Inactive Haz Waste Disposal Site
13	RADIAC RESEARCH CORP	33 S 1ST ST	3591 feet to the WSW	RCRA Corrective Action Site
8	FORMER KLINK COSMO CLEANERS	364 RICHARDSON STREET	4602 feet to the ENE	NYSDEC Inactive Haz Waste Disposal Site
9	FORMER SPIC AND SPAN CLEANERS AND DYERS, INC.	315 KINGSLAND AVENUE	4723 feet to the NE	NYSDEC Inactive Haz Waste Disposal Site
10	ACME STEEL/METAL WORKS	95 LOMBARDY STREET	4908 feet to the ENE	NYSDEC Inactive Haz Waste Disposal Site
11	MOBIL OIL BROOKLYN TERMINAL	300 N. HENRY ST.	5121 feet to the NNE	NYSDEC Inactive Haz Waste Disposal Site
12	CARBONA PRODUCTS	330 CALYER STREET	5134 feet to the NNE	NYSDEC Inactive Haz Waste Registry Qual.

Toxics Targeting 1 Mile Radius Map

250 North 10th Street
Brooklyn, NY 11211



Kings County



National Priority List (NPL)



Inactive Hazardous Waste Disposal Registry Site



Inact. Haz Waste Disp. Registry Qualifying



RCRA Corrective Action Facility



Site Location



Waterbody



County Border



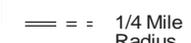
Railroad Tracks



1 Mile Radius



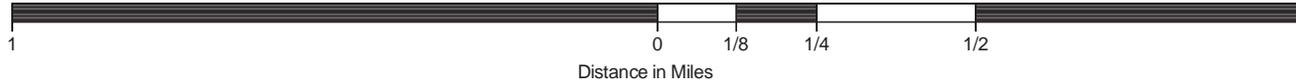
1/2 Mile Radius



1/4 Mile Radius

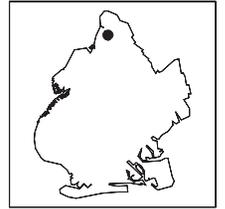
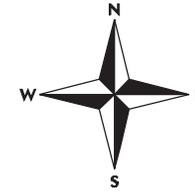


1/8 Mile Radius



Toxics Targeting 1/8 Mile Radius Map

250 North 10th Street
Brooklyn, NY 11211



Kings County



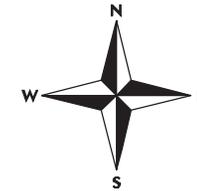
- Major Oil Storage Facility
- Chemical Storage Facility
- Toxic Release
- Wastewater Discharge
- Hazardous Waste Generator, Transp.
- Enforcement Docket Facility
- Air Release
- Env Qual Review E Designation
- Petroleum Bulk Storage Facility
- Historic Utility Site

- Site Location
- County Border
- 1/8 Mile Radius
- Waterbody
- Railroad Tracks
- 250 Foot Radius



Toxics Targeting 1/8 Mile Closeup Map

250 North 10th Street
Brooklyn, NY 11211



Kings County



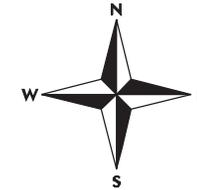
- | | |
|---|--|
| National Priority List (NPL) * | Delisted NPL Site ** |
| CERCLIS Superfund Non-NFRAP Site ** | CERCLIS Superfund NFRAP Site |
| Inactive Hazardous Waste Disposal Registry Site * | Inact. Haz Waste Disp. Registry Qualifying * |
| Hazardous Waste Treater, Storer, Disposer ** | RCRA Corrective Action Facility * |
| Hazardous Substance Waste Disposal Site ** | Solid Waste Facility ** |
| Major Oil Storage Facility **** | Brownfields Site ** |
| Chemical Storage Facility **** | Hazardous Material Spill ** |
| Toxic Release **** | MTBE Gasoline Additive Spill ** |
| Wastewater Discharge **** | Petroleum Bulk Storage Facility **** |
| Hazardous Waste Generator, Transp. **** | Historic Utility Site **** |
| Enforcement Docket Facility **** | Air Release **** |
| Env Qual Review E Designation ***** | Remediation Site Borders |
| Site Location | Waterbody |
| County Border | Railroad Tracks |
| 1/8 Mile Radius | 250 Foot Radius |



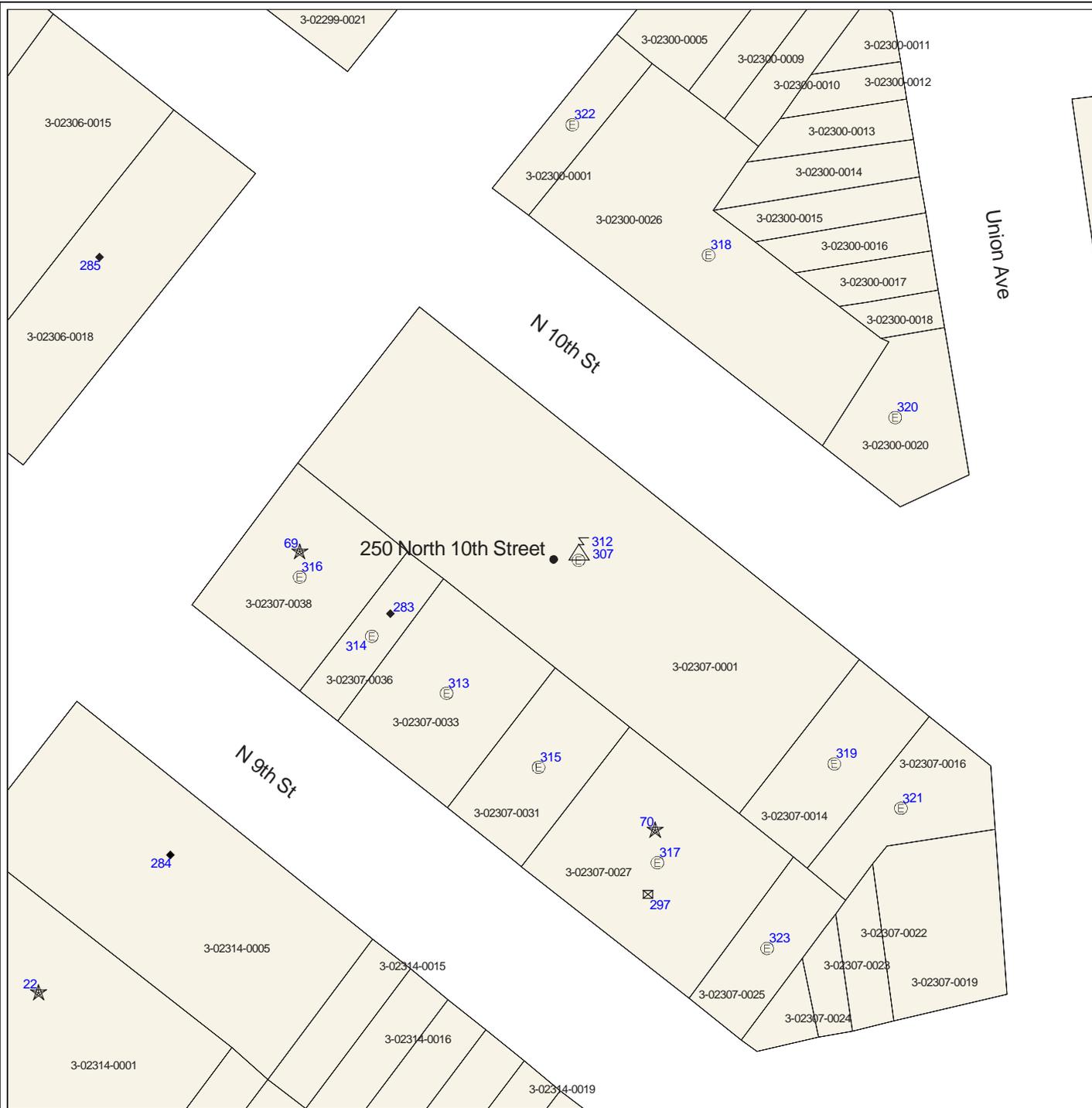
* 1 Mile Search Radius
** 1/2 Mile Search Radius
**** 1/8 Mile Search Radius
***** Onsite Search (250 Ft)

Toxics Targeting Tax Parcel Map

250 North 10th Street
Brooklyn, NY 11211



Kings County



- | | |
|---|--|
| National Priority List (NPL) | Delisted NPL Site |
| CERCLIS Superfund Non-NFRAP Site | CERCLIS Superfund NFRAP Site |
| Inactive Hazardous Waste Disposal Registry Site | Inact. Haz Waste Disp. Registry Qualifying |
| Hazardous Waste Treater, Storer, Disposer | RCRA Corrective Action Facility |
| Hazardous Substance Waste Disposal Site | Solid Waste Facility |
| Major Oil Storage Facility | Brownfields Site |
| Chemical Storage Facility | Hazardous Material Spill |
| Toxic Release | MTBE Gasoline Additive Spill |
| Wastewater Discharge | Petroleum Bulk Storage Facility |
| Hazardous Waste Generator, Transp. | Historic Utility Site |
| Enforcement Docket Facility | Air Release |
| Env Qual Review E Designation | Remediation Site Borders |
| Site Location | Waterbody |
| County Border | Railroad Tracks |

Tax Parcel Information Table

**250 North 10th Street
Brooklyn, NY 11211**

Subject Parcel or Parcels

BBL #	Address	Owner	Zoning District(s)	Building Class	# of Buildings	Year Built	Assessment	Lot Area
3-02307-0001	236 NORTH 10 STREET	240 NORTH 10TH STREET	M1-2	F9	1	1983	280800	30000

Other Parcels Found On The Tax Parcel Map

BBL #	Address	Owner	Zoning District(s)	Building Class	# of Buildings	Year Built	Assessment	Lot Area
3-02299-0021	215 NORTH 10 STREET	NORTHSTAR EQUITIES LL	M1-2	F4	6	1950	135450	18000
3-02300-0001	15 ROEBLING STREET	TUOMEY, JUDITH	M1-2(R6)	E9	1	1930	25245	2500
3-02300-0005	5 ROEBLING STREET	TUOMEY, JUDITH	M1-2(R6)	G9	1	1950	88200	5000
3-02300-0009	234 NORTH 11 STREET	ALMEDO, MILDRED	M1-2(R6)	C2	1	1910	31417	2500
3-02300-0010	236 NORTH 11 STREET	ALMEDO, MILDRED	M1-2(R6)	C0	1	1900	15423	2500
3-02300-0011	595 UNION AVENUE	INZERELLI, FRANK	M1-2(R6)	S2	1	1910	15552	1045
3-02300-0012	591 UNION AVENUE	RONALD JACKLITSCH	M1-2(R6)	B9	1	1910	10368	1360
3-02300-0013	589 UNION AVENUE	KURKOWSKI, JOSEPH R	M1-2(R6)	B9	1	1910	10574	1780
3-02300-0014	587 UNION AVENUE	GINA TRAMONTANO	M1-2(R6)	B9	1	1910	10368	2000
3-02300-0015	585 UNION AVENUE	L ARZENZIO	M1-2(R6)	B9	1	1910	10368	2218
3-02300-0016	583 UNION AVENUE	ROSEMARY M HELLER	M1-2(R6)	B9	1	1910	10574	1848
3-02300-0017	579 UNION AVENUE	RUSIN, KRZYSTYNA	M1-2(R6)	B9	1	1910	10695	1468
3-02300-0018	577 UNION AVENUE	CALANDRA, ANTHONY	M1-2(R6)	S1	1	1920	9158	1716
3-02300-0020	249 NORTH 10 STREET	CALANDRA, ANTHONY	M1-2(R6)	G9	1	1950	50400	4275
3-02300-0026	235 NORTH 10 STREET	RAPPAPORT, ISIDORE	M1-2(R6)	E4	2	1950	312300	14700
3-02306-0011	206 NORTH 10 STREET	18 PROPERTIES ACQUISI	M1-2	F9	1	1979	139950	9450
3-02306-0015	208 NORTH 10 STREET	18 PROPERTIES ACQUISI	M1-2	F9	1	1960	244350	15600
3-02306-0018	38 ROEBLING STREET	ATLAS FEATHER CORP	M1-2	E9	1	1910	221850	10950
3-02307-0014	258 NORTH 10 STREET	258-260 NORTH 10TH ST	M1-2	F9	1	1979	56700	4642
3-02307-0016	264 NORTH 10 STREET	258-260 NORTH 10TH ST	M1-2	F4	1	1960	47700	4048
3-02307-0019	555 UNION AVENUE	258-260 NORTH 10TH ST	M1-2	E3	1	1976	72900	6435
3-02307-0022	7 WITHERS STREET	TENAGLIA JAMES	M1-2	C0	1	1910	12614	2149
3-02307-0023	5 WITHERS STREET	MADAIO, LILLIAN	M1-2	B9	1	1910	12835	1477
3-02307-0024	WITHERS STREET	MADAIO, DOMINICK J	M1-2	V1	0		9630	1281
3-02307-0025	267 NORTH 9 STREET	TORRENTINO T	M1-2	C2	3	1910	35458	3600
3-02307-0027	261 NORTH 9 STREET	VAZQUEZ, FRANCISCO	M1-2	F4	1	1950	135450	11150
3-02307-0031	249 NORTH 9 STREET	VELLA, CHARLES	M1-2	G9	1	1800	38565	4933
3-02307-0033	243 NORTH 9 STREET	WING HON HOLDING INC	M1-2	F9	3	1950	96300	7517
3-02307-0036	241 NORTH 9 STREET	WING HON HOLDING INC	M1-2	E9	1	1970	30375	2500
3-02307-0038	237 NORTH 9 STREET	35 ROEBLING ST REALTY	M1-2	E9	1	1950	85050	7500
3-02314-0001	55 ROEBLING STREET	NEW YORK CITYT INDUST	M1-2(R6)	F4	1	1931	189450	17500
3-02314-0005	45 ROEBLING STREET	238 NO.9TH ST RLTY CO	M1-2(R6)	F9	1	1920	499500	20000
3-02314-0015	254 NORTH 9 STREET	LINDA WILLIAMS	M1-2(R6)	A9	1	1899	7464	2500
3-02314-0016	256 NORTH 9 STREET	LUSK, CHRISTOPHER P.	M1-2(R6)	B9	1	1899	7879	2500
3-02314-0017	258 NORTH 9 STREET	FORGIONE CONO	M1-2(R6)	B9	1	1899	10695	2500
3-02314-0018	260 NORTH 9 STREET	SAVIANO, FRANK	M1-2(R6)	B9	1	1899	7050	2500
3-02314-0019	262 NORTH 9 STREET	LO GULLO, ANTOINETTE	M1-2(R6)	B9	1	1899	7464	2500
3-02314-0020	264 NORTH 9 STREET	PREVETE, THOMAS	M1-2(R6)	B9	1	1899	9537	2500

BBL #	Address	Owner	Zoning District(s)	Building Class	# of Buildings	Year Built	Assessment	Lot Area
3-02314-0031	247 NORTH 8 STREET	CZAJKA, JANUSZ	M1-2(R6)	C1	1	1900	39941	2500
3-02314-0032	245 NORTH 8 STREET	CONNIE ADDOLORIA	M1-2(R6)	C1	1	1900	39941	2500
3-02731-0001	580 UNION AVENUE	MCCARREN PARK ESTATES	M1-2(R6)	F4	1	1930	346950	27500

Section Two: Toxic Site Profiles

The heading of each *Toxic Site Profile* refers to the site's map location and details:

- The facility name, address, city, state, and zip code.
- Any changes that were made to a site's address in order to map its location.
- The site mapping method that was used (see *How Sites are Located*, at the end of this section for more information).

Toxic Site Profiles summarize information provided by site owners or operators and government agencies regarding various toxic chemical activities reported at each site, such as:

- Whether chemicals were stored, produced, transported, discharged or disposed of.
- The name of chemicals and their Chemical Abstract Series (CAS) numbers.
- The amount of chemicals and the units (gallons/pounds) the chemical was measured in.
- Whether the site or storage tanks at the site are currently active or inactive.
- Special codes used by government agencies to regulate hazardous waste activities at some sites, or a complete description of the codes follows the profiles section.

For selected individual chemicals reported at various toxic sites, some potential health effect summary information appears below the site profile. Each potential health effect summary identifies chemicals by name and by Chemical Abstract Series (CAS) Number. An "x" under each potential health effect heading indicates positive toxicity testing results reported by the National Institute of Occupational Safety and Health's Registry of Toxic Effects of Chemical Substances (RTECS). Some chemicals (mostly appearing in profiles of Hazardous Waste facilities), are reported as mixtures, and RTECS health effect information is only available for individual chemicals. In addition, RTECS only provides information on approximately 100,000 common chemicals. Consequently, the absence of potential health effect summary information for a particular chemical identified in a Toxic Site Profile does not necessarily mean that the chemical does not pose potential health effects.

The Maximum Contaminant Level (MCL) in drinking water allowed for selected chemicals is also noted. In most cases, the only applicable MCL has been set by the New York State Department of Health (NYSDOH). Where NYSDOH has not set an MCL, the federal standard, if one exists, is listed and is marked by an asterisk.

Presented below are column headings that describe the health effect definitions used in RTECS and applicable New York State and federal drinking water standards. Reference sources for information presented in this section are also provided.

ACUTE TOX: **Acute Toxicity:** Short-term exposure to this chemical can cause lethal and non-lethal toxicity effects not included in the following four categories.

TUMOR TOX: **Tumorigenic Toxicity:** The chemical can cause an increase in the incidence of tumors.

MUTAG TOX: **Mutagenic Toxicity:** The chemical can cause genetic alterations that are passed from one generation to the next.

REPRO TOX: **Reproductive Toxicity:** May signify one of the following effects: maternal effects, paternal effects, effects on fertility, effects on the embryo or fetus, specific developmental abnormalities, tumorigenic effects, or effects on the newborn (only positive reproductive effects data for mammalian species are referenced).

IRRIT TOX: **Primary Irritant:** The chemical can cause eye or skin irritation.

MCL: **Drinking Water Standard - Maximum Contaminant Level (MCL)** listed under Drinking Water Supplies, 10 NYCRR Part 5, Subparts 1.51(f),(g), and (h) for NYDOH MCL's and under the Safe Drinking Water Act, 40 CFR 141, Subparts B and G, (* indicates value for total trihalomethanes) for federal MCL's.

Reference Source for Toxicity Information: Registry of Toxic Effects of Chemical Substances (RTECS), NIOSH (on-line database); For further information, contact: NIOSH, 4676 Columbia Parkway, Cincinnati, OH, 45226, 800/35-NIOSH.

Reference Source for Drinking Water Standards: New York State Department of Health, Bureau of Toxic Substances Assessment, 2 University Place, Room 240, Albany, NY 12203, 518/458-6373.

U.S. Environmental Protection Agency, Office of Drinking Water, 401 M St SW, Mailstop WH-556, Washington, DC, 20460, 202/260-5700.

Inactive Hazardous Waste Disposal Site Classifications:

- 1 -- Causing or presenting an imminent danger of causing irreversible or irreparable damage to the public health or the environment -- immediate action required;
- 2 -- Significant threat to the public health or environment -- action required;
- 3 -- Does not Present a significant threat to the environment or public health -- action may be deferred;
- 4 -- Site properly closed --requires continued management;
- 5 -- Site properly closed, no evidence of present or potential adverse impact -- no further action required;
- 2a -- This temporary classification has been assigned to sites where there is inadequate data to assign them to the five classifications specified by law;
- A -- Work underway and not yet complete;
- P -- Potential Site;
- D₁, 2, 3 -- Delisted Site (1: hazardous waste not found; 2: remediated; 3: consolidated site or site incorrectly listed);
- C -- Remediation Complete (formerly D2).



NO NATIONAL PRIORITIES LIST (NPL) SITES IDENTIFIED WITHIN 1 MILE SEARCH RADIUS



INACTIVE HAZ WASTE DISPOSAL REGISTRY OR REGISTRY-QUALIFYING SITES IDENTIFIED WITHIN 1 MILE SEARCH RADIUS

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 1

BQE/ANSBACHER COLOR & DYE FACTORY
MEEKER AVENUE

BROOKLYN, NY

Facility Id: 224016
TT-Id: 120A-0004-734

MAP LOCATION INFORMATION

Site location mapped by: MAP COORDINATE (1)
Approximate distance from property: 1051 feet to the S

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: 11211

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INACTIVE HAZARDOUS WASTE DISPOSAL SITE INFORMATION

CLASSIFICATION CODE: 03

REGION: 2

SITE CODE: 224016
DEC ID: 55913

CLASSIFICATION CODE DESCRIPTION:

Does not present a significant threat to the public health or the environment -
action may be deferred.

NAME OF SITE: BQE/Ansbacher Color & Dye Factory

STREET ADDRESS: Meeker Avenue

CITY: Brooklyn

ZIP:

TOWN: New York City

COUNTY: Kings

SITE TYPE: Dump- Structure- Lagoon- Landfill-X Treatment Pond-

ESTIMATED SIZE: 0.6 Acre

INSTITUTIONAL/ENGINEERING CONTROLS:

None reported

CROSS REFERENCES:

None reported

SITE OWNER/OPERATOR INFORMATION:

CURRENT OWNER(S):

NAME: NYS Department of Transportation

ADDRESS: STATE CAMPUS, BUILDING 5

ALBANY, NY 12232

Owner Type: Other State Agency (State Government)

NAME: NYS Department of Transportation
 ADDRESS: State Campus - Building 5
 Albany, NY 12232

OWNER(S) DURING DISPOSAL:

NAME: ANSBACHER COLOR & DYE FACTORY
 ADDRESS:

OPERATOR(S) DURING DISPOSAL:

NAME: ANSBACHER COLOR & DYE FACTORY
 ADDRESS: MEEKER AVENUE
 BROOKLYN, NY

Operator Type: Other State Agency (State Government)

NAME: Ansbacher Color & Dye Factory
 ADDRESS: Meeker Avenue
 Brooklyn, NY 11211

SITE DESCRIPTION:

This site lies underneath the elevated Brooklyn - Queens Expressway (I-278) along Meeker Avenue between Metropolitan and Union Avenues in the Williamsburg Section of Brooklyn. It is believed that during the construction of the BQE, waste material and debris from the former Ansbacher Color & Dye Factory may have been used as fill material in the project area. A Phase II - type investigation was conducted by the New York State Department of Transportation in 1988. The investigation found hazardous levels of arsenic and lead in the soil and elevated levels of arsenic, lead and cyanide in the groundwater. During the reconstruction of the BQE in the early 1990s, the NYSDOT completed an IRM (soil removal) within the project's right-of-way. The remaining contaminated soil is located beneath asphalt and concrete. A Preliminary Site Assessment was completed during the summer of 1999 to evaluate the areas outside the BQE footprint. The sampling results indicate that the subsurface soils within the footprint of the former Ansbacher Plant contain elevated levels of arsenic, lead, and mercury. The groundwater in this area is also contaminated with these metals, but the contaminated groundwater has not migrated significantly beyond the footprint of the former factory.

CONFIRMED HAZARDOUS WASTE DISPOSED:

TYPE	QUANTITY
LEAD	UNKNOWN
ARSENIC	UNKNOWN

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

The primary contaminants of concern at this site are arsenic, lead, mercury and cyanide.

Investigations indicate that the subsurface soils within the footprint of the former Ansbacher Plant contain elevated levels of arsenic, lead, and mercury. The groundwater in this area is also contaminated with these metals.

The site does not constitute a significant threat to the environment as the contaminated soil is covered by existing layers of asphalt and concrete, and the contaminated groundwater has not migrated significantly beyond the footprint of the former factory.

ASSESSMENT OF HEALTH PROBLEMS:

Residual arsenic and lead contamination remain under the BQE and is covered with several layers of concrete and asphalt, thereby preventing direct contact. Contaminated soil also underlies several on-site buildings formerly used by Ansbacher. Groundwater in the area is not used, since public water is available. Off-site sampling of surface soils from residential yards adjacent to the site indicated the presence of metals (particularly arsenic and lead) at concentrations above the range of concentrations typically encountered in urban neighborhoods. However, the exact source of the metals in the soils could not be determined from the data collected. The NYSDOH gave the residents advice on how to minimize their exposure to these surface soil contaminants.

PROJECT COMPLETIONS:

Operable Unit 01 - Remedial Program

PROJECT	DESCRIPTION	END DATE	STATUS
Site Characterization		03/10/2000	Actual

Operable Unit 01A - IRM SOIL REMOVAL

PROJECT	DESCRIPTION	END DATE	STATUS
Remedial Action		08/01/1991	Actual

The New York State Department of Environmental Conservation has not publicly updated the following fields since 2003:

ANALYTICAL DATA AVAILABLE FOR:	Air-	Surface Water-	Groundwater-X	Soil-X	Sediment-
APPLICABLE STANDARDS EXCEEDED IN:	Groundwater-X	Drinking Water-	Surface Water-	Air-	

GEOTECHNICAL INFORMATION:

SOIL/ROCK TYPE: Fill over alluvium.
GROUNDWATER DEPTH: Range: 25 to 30 feet.

LEGAL ACTION:	Type:	State-	Federal-
STATUS:	Negotiation in Progress-	Order Signed-	
REMEDIAL ACTION:	Proposed- Under Design-	In Progress-	Completed-X
NATURE OF ACTION:	IRM-Soil removal.		

Map Identification Number 2



CITY BARREL CO.

421-429 MEEKER STREET

BROOKLYN, NY 11378

Facility Id: 224005

TT-Id: 120A-0001-368

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1957 feet to the ENE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: 11222

This facility has been deleted from the reported data. Data reflects last reported information.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INACTIVE HAZARDOUS WASTE DISPOSAL SITE INFORMATION

CLASSIFICATION CODE: D1 REGION: 2 SITE CODE: 224005
CLASSIFICATION CODE DESCRIPTION: EPA ID:
Delisted site - hazardous waste not found

NAME OF SITE: City Barrel Co.
STREET ADDRESS: 421-429 Meeker Street
TOWN/CITY: Brooklyn ZIP: 11378 COUNTY: Kings

SITE TYPE: Dump- Structure- Lagoon- Landfill- Treatment Pond- ESTIMATED SIZE:

SITE OWNER/OPERATOR INFORMATION:

CURRENT OWNER(S):
NAME.....:
ADDRESS...: 421-429 Meeker Street, Brooklyn, 11378
OWNER DURING DISPOSAL:
NAME.....:
OPERATOR(S) DURING DISPOSAL:
NAME.....:
ADDRESS...:

HAZARDOUS WASTE DISPOSAL PERIOD:

SITE DESCRIPTION:

This site was listed in the Eckhardt subcommittee report as a disposal site. Investigation by the NYSDEC Regional offices indicate that this is an industrial operation to recycle, recover and refurbish drums and that no apparent disposal of hazardous or toxic waste have occurred here.

CONFIRMED HAZARDOUS WASTE DISPOSED:

TYPE	QUANTITY
Unknown	

ANALYTICAL DATA AVAILABLE FOR: Air- Surface Water- Groundwater- Soil- Sediment-
APPLICABLE STANDARDS EXCEEDED IN: Groundwater- Drinking Water- Surface Water- Air-

GEOTECHNICAL INFORMATION:

SOIL/ROCK TYPE:
GROUNDWATER DEPTH:

LEGAL ACTION:	Type:	State-	Federal-
STATUS:	Negotiation in Progress-	Order Signed-	
REMEDIAL ACTION:	Proposed- Under Design-	In Progress-	Completed-
NATURE OF ACTION:			

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:
 None known. No apparent disposal of significant quantities of any hazardous waste.

ASSESSMENT OF HEALTH PROBLEMS:

Map Identification Number 3	K - WYTHE AVE. STATION		Facility Id: 224069
	WYTHE AVE., BERRY ST., N 12TH & 13TH ST	BROOKLYN, NY 11211	TT-Id: 120A-0006-088

MAP LOCATION INFORMATION
 Site location mapped by: MAP COORDINATE (1)
 Approximate distance from property: 1986 feet to the NNW

ADDRESS CHANGE INFORMATION
 Revised street: NO CHANGE
 Revised zip code: NO CHANGE

 NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 DIVISION OF HAZARDOUS WASTE REMEDIATION
 INACTIVE HAZARDOUS WASTE DISPOSAL SITE INFORMATION

CLASSIFICATION CODE: A
 CLASSIFICATION CODE DESCRIPTION:
 Work is underway and not yet complete.

REGION: 2

SITE CODE: 224069
 DEC ID: 378992

NAME OF SITE: K - Wythe Ave. Station
 STREET ADDRESS: Wythe Ave., Berry St., N 12th & 13th St
 CITY: Brooklyn ZIP: 11211

TOWN: New York City
 COUNTY: Kings

SITE TYPE: Dump- Structure- Lagoon- Landfill- Treatment Pond- ESTIMATED SIZE: 2 Acres

INSTITUTIONAL/ENGINEERING CONTROLS:
 None reported

CROSS REFERENCES:
 None reported

SITE OWNER/OPERATOR INFORMATION:
 CURRENT OWNER(S):

NAME.....:
ADDRESS..:

SITE DESCRIPTION:

The Wythe Avenue (Berry Street)Holder Station is comprised of ten parcels of land located in Brooklyn, New York, Kings County. The site is bounded by North 13th Street, North 12th Street and Wythe Avenue. The gas holder and associated buildings operated at the site from sometime between 1887 and 1905 until sometime between 1951 and 1965. The current land use for the parcels includes industrial and manufacturing.

This site was included in Modification #1[8/07] of the February 2007 Order with Keyspan/National Grid.

The site characterization work plan was submitted on July 14, 2010 and is under review.

CONFIRMED HAZARDOUS WASTE DISPOSED:

TYPE	QUANTITY
COAL TAR	UNKNOWN

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

Site Characterization work is tentatively scheduled for late Fall, 2010.

ASSESSMENT OF HEALTH PROBLEMS:

The NYSDOH will evaluate the potential for impacts to public health from exposure to site contaminants once sufficient information from the investigation of the site becomes available for review.

PROJECT COMPLETIONS:

None reported

The New York State Department of Environmental Conservation has not publicly updated the following fields since 2003:

ANALYTICAL DATA AVAILABLE FOR:	Air-	Surface Water-	Groundwater-	Soil-	Sediment-
APPLICABLE STANDARDS EXCEEDED IN:	Groundwater-	Drinking Water-	Surface Water-	Air-	

GEOTECHNICAL INFORMATION:

SOIL/ROCK TYPE:
GROUNDWATER DEPTH:

LEGAL ACTION:	Type:	State-	Federal-
STATUS:	Negotiation in Progress-	Order Signed-	
REMEDIAL ACTION:	Proposed- Under Design-	In Progress-	Completed-
NATURE OF ACTION:			

Map Identification Number 4

K - WILLIAMSBURG WORKS



KENT AVE & 12TH STREET

BROOKLYN, NY 11211-

Facility Id: 224055

TT-Id: 120A-0006-234

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 2611 feet to the NW

ADDRESS CHANGE INFORMATION

Revised street: KENT AVE / N 12TH STREET

Revised zip code: 11211

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INACTIVE HAZARDOUS WASTE DISPOSAL SITE INFORMATION

CLASSIFICATION CODE: A REGION: 2 SITE CODE: 224055
CLASSIFICATION CODE DESCRIPTION: DEC ID: 372653

Work is underway and not yet complete.

NAME OF SITE: K - Williamsburg Works
STREET ADDRESS: Kent Ave & 12th Street TOWN: New York City
CITY: Brooklyn ZIP: 11211- COUNTY: Kings

SITE TYPE: Dump- Structure- Lagoon- Landfill- Treatment Pond- ESTIMATED SIZE: 4.7 Acres

INSTITUTIONAL/ENGINEERING CONTROLS:
None reported

CROSS REFERENCES:
IDENTIFIER SOURCE

224028 HW Site ID

SITE OWNER/OPERATOR INFORMATION:
CURRENT OWNER(S):
NAME.....:
ADDRESS...:

SITE DESCRIPTION:
Transition from V00704 and C224055. The Williamsburg Works Manufactured Gas Plant (MGP) site is composed of three parcels of land located on the east bank of the East River in Brooklyn New York in Kings County. The site is located between North 11th and North 12th Streets on the west side of Kent Avenue. A manufactured gas plant operated on the site from at least 1887 to 1916 according to Sanborn Fire Insurance(Sanborn) maps.

Current land use includes a document storage warehouse, an inactive petroleum terminal, and one vacant lot which until recently

housed a Sanitation Dep't garage.

The City of NY has identified this site for construction of a proposed waterfront park, which would extend far beyond site boundaries to the north and south. One parcel (50 Kent Avenue) has already been acquired. An IRM is slated for this parcel in late 2012.

CONFIRMED HAZARDOUS WASTE DISPOSED:

TYPE	QUANTITY
----- COAL TAR	----- UNKNOWN

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

According to the USEPA, a preliminary assessment (PA) was prepared for the site dated September 24, 1986. A copy of the PA was not supplied with the application. The environmental assessment for this site has not yet been completed. The site is the confirmed location of a historic MGP. MGPs have known onsite by products of DNAPL and purifier waste. The materials are made up of BTEX, PAHs, and cyanide. The DNAPL causes contravention of both groundwater and soil SCGs. The site is also adjacent to the East River and several public and private buildings, including residences. DNAPL is known to migrate into surface water bodies, contaminating sediment. The BTEX components are also known to contribute to soil vapor issues. There are already reports of tar seeping into the East River and tar has been found on an adjacent property.

ASSESSMENT OF HEALTH PROBLEMS:

The NYSDOH will evaluate the potential for impacts to public health from exposure to site contaminants once sufficient information from the investigation of the site becomes available for review.

PROJECT COMPLETIONS:

None reported

The New York State Department of Environmental Conservation has not publicly updated the following fields since 2003:

ANALYTICAL DATA AVAILABLE FOR:	Air-	Surface Water-	Groundwater-	Soil-	Sediment-
APPLICABLE STANDARDS EXCEEDED IN:	Groundwater-	Drinking Water-	Surface Water-	Air-	

GEOTECHNICAL INFORMATION:

SOIL/ROCK TYPE:
GROUNDWATER DEPTH:

LEGAL ACTION:

STATUS:	Type:	State-	Federal-
REMEDIAL ACTION:	Negotiation in Progress-	Order Signed-	
NATURE OF ACTION:	Proposed- Under Design-	In Progress-	Completed-

Map Identification Number 5

BROOKLYN NORTH 1 GARAGE

50 KENT AVENUE

BROOKLYN, NY

Facility Id: 2-019

TT-Id: 180A-0001-343

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 2833 feet to the NW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: 11211

This facility has been deleted from the reported data. Data reflects last reported information.

 NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 DIVISION OF HAZARDOUS WASTE REMEDIATION
 INACTIVE HAZARDOUS WASTE DISPOSAL REPORT
 REGION: 2

NAME OF SITE: Brooklyn North 1 Garage
 STREET ADDRESS: 50 Kent Avenue
 TOWN/CITY: Brooklyn COUNTY: Kings

Registry Qualifying Investigations Underway as of 07/1998

Map Identification Number 6

KENT TERMINAL

KENT AVE. BETWEEN N.5TH & N.11TH ST.

BROOKLYN, NY

Facility Id: 2-014

TT-Id: 180A-0001-324

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING - LARGE SITE

Approximate distance from property: 2980 feet to the WNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: 11211

This facility has been deleted from the reported data. Data reflects last reported information.

 NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 DIVISION OF HAZARDOUS WASTE REMEDIATION
 INACTIVE HAZARDOUS WASTE DISPOSAL REPORT
 REGION: 2

NAME OF SITE: Kent Terminal
 STREET ADDRESS: Kent Ave. between N.5th & N.11th ST.
 TOWN/CITY: Brooklyn COUNTY: Kings

Registry Qualifying Investigations Underway as of 10/1996

Map Identification Number 7

K - WILLIAMSBURG WORKS

KENT AVE & 12TH STREET

BROOKLYN, NY 11211-

Facility Id: 224055

TT-Id: 120A-0004-748

MAP LOCATION INFORMATION

Site location mapped by: MAP COORDINATE - LARGE SITE
Approximate distance from property: 3071 feet to the NW

ADDRESS CHANGE INFORMATION

Revised street: KENT AVE / N 12TH STREET
Revised zip code: 11211

See initial profile for 'K - WILLIAMSBURG WORKS' above.

Map Identification Number 8

FORMER KLINK COSMO CLEANERS

364 RICHARDSON STREET

BROOKLYN, NY 11222

Facility Id: 224130

TT-Id: 120A-0004-754

MAP LOCATION INFORMATION

Site location mapped by: MAP COORDINATE (1)
Approximate distance from property: 4602 feet to the ENE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INACTIVE HAZARDOUS WASTE DISPOSAL SITE INFORMATION

CLASSIFICATION CODE: 02

REGION: 2

SITE CODE: 224130

DEC ID: 405851

CLASSIFICATION CODE DESCRIPTION:

Significant threat to the public health or environment - action required.

NAME OF SITE: Former Klink Cosmo Cleaners

STREET ADDRESS: 364 Richardson Street

CITY: Brooklyn

ZIP: 11222

TOWN: New York City

COUNTY: Kings

SITE TYPE: Dump- Structure- Lagoon- Landfill- Treatment Pond-

ESTIMATED SIZE: 1.08 Acres

INSTITUTIONAL/ENGINEERING CONTROLS:

None reported

CROSS REFERENCES:

IDENTIFIER SOURCE

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-----
224121          HW Site ID
224129          HW Site ID
224131          HW Site ID
224132          HW Site ID
    
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SITE OWNER/OPERATOR INFORMATION:

CURRENT OWNER(S):

NAME: PAVLOVICH & COMPANY
 ADDRESS: 460 MORGAN AVENUE
 BROOKLYN, NY 11222-5706

Owner Type: PRP - Class 2 HazSubs

SITE DESCRIPTION:

The site is located in a mixed residential/commercial/industrial area of the East Williamsburg section of Kings County (Borough of Brooklyn, New York City). The site is located on the southwest corner of the intersection of Vandervoort Avenue and Richardson Street. The site is completely covered by a one-story brick building. The site is currently occupied, and is utilized for light manufacturing. A small residential area is located one block downgradient (north) of the site. The site was historically operated by Klink Cosmo Cleaners from the mid-1950's until sometime around 1995.

The Department began a Site Characterization in this area during the Spring of 2007 as part of a plume trackdown investigation (Meeker Avenue Plume Trackdown, DEC Site ID #224121). This location was specifically targeted for investigation based on interviews with multiple residents indicating the site's former usage as noted above (including one former employee), and the Phase 1 EDR report which lists the cleaners as a generator of F002 waste (spent halogenated solvents).

CONFIRMED HAZARDOUS WASTE DISPOSED:

TYPE	QUANTITY
-----	-----
TETRACHLOROETHYLENE (PCE)	UNKNOWN

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

The primary contaminant of concern at the site is tetrachloroethene (PCE). PCE has been found on-site in shallow groundwater at concentrations up to 33,000 ppb. PCE has also been found at 310,000 ug/m³ in an on-site soil gas monitoring well. Groundwater standards have been exceeded for PCE. The plume of PCE-contaminated groundwater has migrated at least 1,200' downgradient of the site. Soil vapor with elevated levels of PCE has been found in sub-slab samples collected from the nearby downgradient residential area. The site poses a significant environmental threat due to ongoing release of PCE into soil and groundwater.

ASSESSMENT OF HEALTH PROBLEMS:

Exposure to site-related contamination in drinking water and soil is unlikely since area homes and businesses are supplied with public water and contaminants are below the ground surface. Since the possibility exists for vapors from site-related chemicals to migrate into nearby homes and businesses, soil vapor intrusion sampling will continue in the area and data evaluated as they become available.

PROJECT COMPLETIONS:

None reported

The New York State Department of Environmental Conservation has not publicly updated the following fields since 2003:

ANALYTICAL DATA AVAILABLE FOR:	Air-	Surface Water-	Groundwater-	Soil-	Sediment-
APPLICABLE STANDARDS EXCEEDED IN:	Groundwater-	Drinking Water-	Surface Water-	Air-	

GEOTECHNICAL INFORMATION:

SOIL/ROCK TYPE:
GROUNDWATER DEPTH:

LEGAL ACTION:	Type:	State-	Federal-
STATUS:	Negotiation in Progress-	Order Signed-	
REMEDIAL ACTION:	Proposed- Under Design-	In Progress-	Completed-
NATURE OF ACTION:			

Map Identification Number 9



FORMER SPIC AND SPAN CLEANERS AND DYERS, INC.

315 KINGSLAND AVENUE

BROOKLYN, NY 11222

Facility Id: 224129

TT-Id: 120A-0004-572

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 4723 feet to the NE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

 NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 DIVISION OF HAZARDOUS WASTE REMEDIATION
 INACTIVE HAZARDOUS WASTE DISPOSAL SITE INFORMATION

CLASSIFICATION CODE: 02 REGION: 2
CLASSIFICATION CODE DESCRIPTION:
Significant threat to the public health or environment - action required.

SITE CODE: 224129
DEC ID: 405850

NAME OF SITE: Former Spic and Span Cleaners and Dyers, Inc.
STREET ADDRESS: 315 Kingsland Avenue
CITY: Brooklyn ZIP: 11222

TOWN: New York City
COUNTY: Kings

SITE TYPE: Dump- Structure- Lagoon- Landfill- Treatment Pond- ESTIMATED SIZE: 0.51 Acre

INSTITUTIONAL/ENGINEERING CONTROLS:
None reported

CROSS REFERENCES:

IDENTIFIER	SOURCE
224121	HW Site ID
224130	HW Site ID
224131	HW Site ID
224132	HW Site ID

SITE OWNER/OPERATOR INFORMATION:

CURRENT OWNER(S):

NAME: DELTA PROPERTY ASSOCIATES ADDRESS: 260 NORMAN AVENUE NEW YORK, NY 11201	Owner Type: PRP - Class 2 HazSubs
NAME: DOUBLE STAR REALESTATE, INC. ADDRESS: 307 KINGSLAND AVENUE NEW YORK, NY 11222	Owner Type: Innocent Owner -Class 2a/2/3/4/5 HS
NAME: DOUBLE STAR REALESTATE, INC. FRANK CHAN ADDRESS: 307 KINGSLAND AVENUE NEW YORK, NY 11222	Owner Type: Innocent Owner -Class 2a/2/3/4/5 HS

SITE DESCRIPTION:

The site is located in a mixed residential/commercial/industrial area of the Greenpoint section of Kings County (Borough of Brooklyn, New York City). The site is located on the southwest corner of the intersection of Kingsland and Norman Avenues. The site is completely covered by multiple buildings of varying construction and height. The site is currently occupied, and is utilized for a variety of purposes (residential, warehousing, woodworking shop, etc.). A large residential area is located immediately adjacent to the site, and extends south along both Kingsland Avenue and Monitor Street. The site was historically operated by Spic and Span Cleaners and Dyers, Inc. (a.k.a. Eastern District Dye Works) from the early 1900's until the mid-1960's.

The Department began a Site Characterization in this area during the Spring of 2007 as part of a plume trackdown investigation (Meeker Avenue Plume Trackdown, DEC Site ID #224121). This location was specifically targeted for investigation based on Sanborn fire insurance map data indicating the site's former usage as noted above.

CONFIRMED HAZARDOUS WASTE DISPOSED:

TYPE	QUANTITY
TETRACHLOROETHYLENE (PCE)	UNKNOWN

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

The primary contaminant of concern at the site is tetrachloroethene (PCE). PCE has been found on-site in shallow groundwater at concentrations up to 39,000 ppb. PCE DNAPL has been found on-site at concentrations up to 730,000 ppm (73%) in deep monitoring

wells. Groundwater standards have been exceeded for PCE. PCE-contaminated soil vapor could potentially be migrating toward nearby residential areas. Soil vapor with elevated levels of PCE has been found in sub-slab samples collected from the nearby residential area. The site poses a significant environmental threat due to ongoing release of PCE into soil and groundwater.

ASSESSMENT OF HEALTH PROBLEMS:

Exposure to site-related contamination in drinking water and soil is unlikely since area homes and businesses are supplied with public water and contaminants are below the ground surface. Since the possibility exists for vapors from site-related chemicals to migrate into nearby homes and businesses, soil vapor intrusion sampling will continue in the area and data evaluated as they become available.

PROJECT COMPLETIONS:

None reported

The New York State Department of Environmental Conservation has not publicly updated the following fields since 2003:

ANALYTICAL DATA AVAILABLE FOR:	Air-	Surface Water-	Groundwater-	Soil-	Sediment-
APPLICABLE STANDARDS EXCEEDED IN:	Groundwater-	Drinking Water-	Surface Water-	Air-	

GEO TECHNICAL INFORMATION:

SOIL/ROCK TYPE:
GROUNDWATER DEPTH:

LEGAL ACTION:	Type:	State-	Federal-
STATUS:	Negotiation in Progress-	Order Signed-	
REMEDIAL ACTION:	Proposed- Under Design-	In Progress-	Completed-
NATURE OF ACTION:			

Map Identification Number 10



ACME STEEL/METAL WORKS

95 LOMBARDY STREET

BROOKLYN, NY 11222

Facility Id: 224131

TT-Id: 120A-0004-755

MAP LOCATION INFORMATION

Site location mapped by: MAP COORDINATE (1)
Approximate distance from property: 4908 feet to the ENE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

 NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 DIVISION OF HAZARDOUS WASTE REMEDIATION
 INACTIVE HAZARDOUS WASTE DISPOSAL SITE INFORMATION

SITE CODE: 224131

CLASSIFICATION CODE: 02 REGION: 2 DEC ID: 405853

CLASSIFICATION CODE DESCRIPTION:
Significant threat to the public health or environment - action required.

NAME OF SITE: ACME Steel/Metal Works
STREET ADDRESS: 95 Lombardy Street TOWN: New York City
CITY: Brooklyn ZIP: 11222 COUNTY: Kings

SITE TYPE: Dump- Structure- Lagoon- Landfill- Treatment Pond- ESTIMATED SIZE: 1.01 Acres

INSTITUTIONAL/ENGINEERING CONTROLS:
None reported

CROSS REFERENCES:

IDENTIFIER	SOURCE
224121	HW Site ID
224129	HW Site ID
224130	HW Site ID
224132	HW Site ID

SITE OWNER/OPERATOR INFORMATION:

CURRENT OWNER(S):

NAME: NYC IDA Owner Type: PRP - Class 2 HazSubs
MAUREEN BABIS
ADDRESS: 110 WILLIAM STREET
NEW YORK, NY 10038

OWNER(S) DURING DISPOSAL:

OPERATOR(S) DURING DISPOSAL:

NAME: ACME ARCHITECTURAL PRODUCTS, INC. Operator Type: PRP - Class 2 HazSubs
PAUL BURDYN
ADDRESS: 251 LOMBARDY STREET
BROOKLYN, NY 11222

NAME: WHITEHEAD COMPANY Operator Type: PRP - Class 2 HazSubs
JACK TEICH
ADDRESS: C/O ACME ARCHITECTURAL PRODUCTS, INC.
251 LOMBARDY STREET
BROOKLYN, NY 11222

SITE DESCRIPTION:

The site is located in a mixed residential/commercial/industrial area of the East Williamsburg section of Kings County (Borough

of Brooklyn, New York City). The site is located on the east side of Vandervoort Avenue between Anthony and Lombardy Streets. The site is completely covered by a multi-story brick building. The site is currently occupied, and is utilized for metal fabrication. A small residential area is located one block south of the site. The site has been utilized as a metal fabricator and painting facility since the 1930's.

The Department began a Site Characterization in this area during the Spring of 2007 as part of a plume trackdown investigation (Meeker Avenue Plume Trackdown, DEC Site ID #224121). This location was specifically targeted for investigation based on Sanborn fire insurance map data indicating the site's former usage as noted above, and the Phase 1 EDR report which lists the site as a generator of F001 waste (spent halogenated solvents used in de-greasing).

CONFIRMED HAZARDOUS WASTE DISPOSED:

TYPE	QUANTITY
TRICHLOROETHENE (TCE)	UNKNOWN

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

The primary contaminant of concern at the site is trichloroethene (TCE). TCE has been found on-site in shallow groundwater at concentrations up to 66,000 ppb, and in deep groundwater at concentrations up to 70,000 ppb. TCE has also been found in on-site soil gas at 2,100 ug/m³. Groundwater standards have been exceeded for TCE. The plume of TCE-contaminated groundwater has migrated at least 400' off-site. Soil vapor with elevated levels of TCE has been found in sub-slab samples collected from the nearby residential area. The site poses a significant environmental threat due to ongoing release of TCE into soil and groundwater.

ASSESSMENT OF HEALTH PROBLEMS:

Exposure to site-related contamination in drinking water and soil is unlikely since area homes and businesses are supplied with public water and contaminants are below the ground surface. Since the possibility exists for vapors from site-related chemicals to migrate into nearby homes and businesses, soil vapor intrusion sampling will continue in the area and data evaluated as they become available.

PROJECT COMPLETIONS:

None reported

The New York State Department of Environmental Conservation has not publicly updated the following fields since 2003:

ANALYTICAL DATA AVAILABLE FOR:	Air-	Surface Water-	Groundwater-	Soil-	Sediment-
APPLICABLE STANDARDS EXCEEDED IN:	Groundwater-	Drinking Water-	Surface Water-	Air-	

GEOTECHNICAL INFORMATION:

SOIL/ROCK TYPE:
GROUNDWATER DEPTH:

LEGAL ACTION:	Type:	State-	Federal-
STATUS:	Negotiation in Progress-	Order Signed-	
REMEDIAL ACTION:	Proposed- Under Design-	In Progress-	Completed-

NATURE OF ACTION:

Map Identification Number 11

MOBIL OIL BROOKLYN TERMINAL

300 N. HENRY ST.

BROOKLYN, NY

Facility Id: 224013

TT-Id: 120A-0001-366

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 5121 feet to the NNE

ADDRESS CHANGE INFORMATION

Revised street: 300 N HENRY ST

Revised zip code: 11222

This facility has been deleted from the reported data. Data reflects last reported information.

 NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 DIVISION OF HAZARDOUS WASTE REMEDIATION
 INACTIVE HAZARDOUS WASTE DISPOSAL SITE INFORMATION

CLASSIFICATION CODE: D1

REGION: 2

SITE CODE: 224013

EPA ID:

CLASSIFICATION CODE DESCRIPTION:

Delisted site - hazardous waste not found

NAME OF SITE: Mobil Oil Brooklyn Terminal

STREET ADDRESS: 300 N. Henry St.

TOWN/CITY: Brooklyn

ZIP:

COUNTY: Kings

SITE TYPE: Dump-X Structure- Lagoon- Landfill- Treatment Pond-

ESTIMATED SIZE: 15 Acres

SITE OWNER/OPERATOR INFORMATION:

CURRENT OWNER(S):

NAME.....:

ADDRESS..: 300 N. Henry St., Brooklyn,

OWNER DURING DISPOSAL:

NAME.....: Mobil Oil

OPERATOR(S) DURING DISPOSAL:

NAME.....:

ADDRESS..:

HAZARDOUS WASTE DISPOSAL PERIOD: from 1900 to 1985

SITE DESCRIPTION:

Large storage area. Facility was built on an old refinery. Possibility of groundwater contamination due to poor operation. Newton Creek is adjacent to the site.

CONFIRMED HAZARDOUS WASTE DISPOSED:

TYPE	QUANTITY
----- Gasoline, Kerosene, Fuel Oil, Others	----- Unknown

ANALYTICAL DATA AVAILABLE FOR:	Air-	Surface Water-	Groundwater-	Soil-	Sediment-
APPLICABLE STANDARDS EXCEEDED IN:	Groundwater-	Drinking Water-	Surface Water-	Air-	

GEOTECHNICAL INFORMATION:

SOIL/ROCK TYPE:
GROUNDWATER DEPTH:

LEGAL ACTION:	Type:	State-	Federal-
STATUS:	Negotiation in Progress-	Order Signed-	
REMEDIAL ACTION:	Proposed- Under Design-	In Progress-	Completed-X
NATURE OF ACTION:			

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:
Site has been remediated.

ASSESSMENT OF HEALTH PROBLEMS:

Map Identification Number 12

CARBONA PRODUCTS
330 CALYER STREET

BROOKLYN, NY

Facility Id: 2-017
TT-Id: 180A-0001-355

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 5134 feet to the NNE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

This facility has been deleted from the reported data. Data reflects last reported information.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 DIVISION OF HAZARDOUS WASTE REMEDIATION
 INACTIVE HAZARDOUS WASTE DISPOSAL REPORT
 REGION: 2

NAME OF SITE: Carbona Products

STREET ADDRESS: 330 Calyer Street
TOWN/CITY: Brooklyn

COUNTY: Kings

Registry Qualifying Investigations Underway as of 04/1998



RCRA CORRECTIVE ACTION SITES IDENTIFIED WITHIN 1 MILE SEARCH RADIUS

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 13 **RADIAC RESEARCH CORP**
 33 S 1ST ST
 EPA (RCRA) Name: RADIAC RESEARCH CORP
 EPA (RCRA) Address: S 1ST ST

BROOKLYN, NY 11211
 BROOKLYN, NY 11211

Facility Id: NYD049178296
 TT-Id: 220A-0011-001

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
 Approximate distance from property: 3591 feet to the WSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

GENERATOR TYPE: Small Quantity Generator - Large Quantity Generator - X Treatment, Storer, Disposal Facility - X

HANDLERS WITH CORRECTIVE ACTION ACTIVITY (CORRACTS)

CORRACTS EVENT CODE	CORRACTS DATE	CORRACTS EVENT DESCRIPTION
HQCA050	11/29/1985	RFA COMPLETED
HQCA075LO	02/10/1993	CA PRIORITIZATION-LOW CA PRIORITY
HQCA050	12/28/2000	RFA COMPLETED
HQCA070NO	12/28/2000	DETERMINATION OF NEED FOR A RFI-RFI IS NOT NECESSARY
HQCA400	09/24/2009	DATE FOR REMEDY SELECTION (CM IMPOSED)
HQCA550NR	09/24/2009	REMEDY CONSTRUCTION-NO REMEDY CONSTRUCTED
HQCA725YE	09/24/2009	HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
HQCA750YE	09/24/2009	RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
HQCA999	09/24/2009	CA PROCESS IS TERMINATED



CERCLIS SUPERFUND SITES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 14

ALL PLATING CORP.
154 NORTH 7TH STREET

BROOKLYN, NY 11211

EPA Facility Id: NYD001384072
TT-Id: 240A-0001-327

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1463 feet to the W

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

The U. S. Environmental Protection Agency has reportedly recorded an environmental clean up lien regarding this responsible party's property.
See data below.

USEPA COMPREHENSIVE ENVIRONMENTAL RESPONSE
COMPENSATION AND LIABILITY INFORMATION SYSTEM (CERCLIS)

SITE INFORMATION

EPA-ID: NYD001384072 Site-ID: 0204153
Site Name: ALL PLATING CORP.
Site Street: 154 NORTH 7TH STREET
Site City/State/Zip: BROOKLYN, NY 11211

NFRAP (No Further Remedial Activity Planned) Status: NO FURTHER REMEDIAL ACTION PLANNED

USGS Hydrological Unit: NPL Status Indicator: Not on the NPL
Incident Category: RCRA Flag:
Non-NPL Status: Removal Only Site (No Site Assessment Work Needed) Non-NPL Stat Date: 20011023
Federal Facility Flag: Not a Federal Facility

SITE DESCRIPTION

NYC Dept. of Environmental Protection responded to odor complaints, issued notice letters to which there was no action by the owner. The site which is non-operational, contains acids, cyanides in open vats, tanks, etc. Preliminary assessment indicates site is removal eligible. Site is being archived with approval of removal program (see J. Witkowski email 04/11/05).

OPERABLE UNIT INFORMATION

Operable Unit ID: 00

Operable Unit Name: SITEWIDE

Waste Source Media:

Wst Src Name: sludge	Media: Sludge	
Action: Removal	Start Date: 19980826	Compl Date: 19981104
Low Volume:	High Volume:	
Wst Src Name: debris	Media: Debris	
Action: Removal	Start Date: 19980826	Compl Date: 19981104
Low Volume:	High Volume:	
Wst Src Name: liquids	Media: Liquid Waste	
Action: Removal	Start Date: 19980826	Compl Date: 19981104
Low Volume:	High Volume:	
Wst Src Name: solids	Media: Solid Waste	
Action: Removal	Start Date: 19980826	Compl Date: 19981104
Low Volume:	High Volume:	

Removal Response activity:

Technology Type: Disposal	Media: Liquid Waste	
Technology Group: OTHER		
Action: Removal	Start Date: 19980826	Compl Date: 19981104
Technology Type: Disposal	Media: Debris	
Technology Group: OTHER		
Action: Removal	Start Date: 19980826	Compl Date: 19981104
Technology Type: Disposal	Media: Sludge	
Technology Group: OTHER		
Action: Removal	Start Date: 19980826	Compl Date: 19981104
Technology Type: Disposal	Media: Solid Waste	
Technology Group: OTHER		
Action: Removal	Start Date: 19980826	Compl Date: 19981104

ACTION INFORMATION

Name: Notice Letters Issued
Lead: Federal Enforcement
Qualifier:

Start Date: Operable Unit ID: 00
Completion Date: 19980625
Fin Budget Src:

Name:	Removal Assessment	Start Date:	19980218	Operable Unit ID:	00
Lead:	EPA Fund-Financed	Completion Date:	19980810		
Qualifier:		Fin Budget Src:	Removal		
Name:	Removal Negotiations	Start Date:	19980625	Operable Unit ID:	00
Lead:	Federal Enforcement	Completion Date:	19980821		
Qualifier:		Fin Budget Src:	Enforcement		
Name:	Public Notice Published	Start Date:		Operable Unit ID:	00
Lead:	EPA Fund-Financed	Completion Date:	19981013		
Qualifier:		Fin Budget Src:			
Name:	Removal	Start Date:	19980826	Operable Unit ID:	00
Lead:	EPA Fund-Financed	Completion Date:	19981104		
Qualifier:	Cleaned up	Fin Budget Src:	Removal		
Name:	Non-NPL PRP Search	Start Date:	19980324	Operable Unit ID:	00
Lead:	Federal Enforcement	Completion Date:	20010927		
Qualifier:	Search Complete, No Viable PRPs	Fin Budget Src:	Enforcement		
Name:	Lien on PRP Property	Start Date:		Operable Unit ID:	00
Lead:	Federal Enforcement	Completion Date:	20011104		
Qualifier:		Fin Budget Src:			
Name:	Administrative Records	Start Date:	19981013	Operable Unit ID:	00
Lead:	EPA Fund-Financed	Completion Date:	20050307		
Qualifier:	Admin Record Compiled for a Removal Event	Fin Budget Src:	Remedial		
Name:	Archive Site	Start Date:		Operable Unit ID:	00
Lead:	EPA In-House	Completion Date:	20050411		
Qualifier:		Fin Budget Src:			

FINANCIAL INFORMATION

Action Name:	Removal Assessment	Financial ID:	0004
Financial Type:	Actual Obligation	Date:	19980513
Budget Source:	Removal	Amount:	\$1260
Action Name:	Removal Assessment	Financial ID:	0004
Financial Type:	Deobligation	Date:	19980513
Budget Source:	Removal	Amount:	\$1260
Action Name:	Removal Assessment	Financial ID:	0004

Financial Type: Extramural Outlay (Payment) Budget Source: Removal	Date: 19980513 Amount: \$1260
Action Name: Removal Assessment Financial Type: Actual Obligation Budget Source: Removal	Financial ID: 0003 Date: 19980616 Amount: \$309
Action Name: Removal Assessment Financial Type: Deobligation Budget Source: Removal	Financial ID: 0003 Date: 19980616 Amount: \$309
Action Name: Removal Assessment Financial Type: Extramural Outlay (Payment) Budget Source: Removal	Financial ID: 0003 Date: 19980616 Amount: \$309
Action Name: Removal Financial Type: Commitment Budget Source: Removal	Financial ID: 0001 Date: 19980814 Amount: \$341000
Action Name: Removal Financial Type: Decommitment Budget Source: Removal	Financial ID: 0001 Date: 19980821 Amount: \$200000
Action Name: Removal Financial Type: Decommitment Budget Source: Removal	Financial ID: 0002 Date: 19980821 Amount: \$141000
Action Name: Removal Financial Type: Actual Obligation Budget Source: Removal	Financial ID: 0001 Date: 19980821 Amount: \$141000
Action Name: Removal Financial Type: Commitment Budget Source: Removal	Financial ID: 0003 Date: 19981006 Amount: \$15000
Action Name: Removal Financial Type: Decommitment Budget Source: Removal	Financial ID: 0004 Date: 19981009 Amount: \$15000
Action Name: Removal Financial Type: Actual Obligation Budget Source: Removal	Financial ID: 0003 Date: 19981009 Amount: \$15000
Action Name: Removal Assessment	Financial ID: 0001

Financial Type: Actual Obligation Budget Source: Removal	Date: 19981023 Amount: \$345
Action Name: Removal Assessment Financial Type: Deobligation Budget Source: Removal	Financial ID: 0001 Date: 19981023 Amount: \$345
Action Name: Removal Assessment Financial Type: Extramural Outlay (Payment) Budget Source: Removal	Financial ID: 0001 Date: 19981023 Amount: \$345
Action Name: Removal Financial Type: Commitment Budget Source: Removal	Financial ID: 0002 Date: 19981027 Amount: \$24000
Action Name: Removal Financial Type: Decommitment Budget Source: Removal	Financial ID: 0003 Date: 19981028 Amount: \$24000
Action Name: Removal Financial Type: Actual Obligation Budget Source: Removal	Financial ID: 0002 Date: 19981028 Amount: \$24000
Action Name: Removal Assessment Financial Type: Actual Obligation Budget Source: Removal	Financial ID: 0002 Date: 19981110 Amount: \$147
Action Name: Removal Assessment Financial Type: Deobligation Budget Source: Removal	Financial ID: 0002 Date: 19981110 Amount: \$147
Action Name: Removal Assessment Financial Type: Extramural Outlay (Payment) Budget Source: Removal	Financial ID: 0002 Date: 19981110 Amount: \$147
Action Name: Removal Financial Type: Commitment Budget Source: Removal	Financial ID: 0004 Date: 19981120 Amount: \$10000
Action Name: Removal Financial Type: Decommitment Budget Source: Removal	Financial ID: 0005 Date: 19981124 Amount: \$10000
Action Name: Removal	Financial ID: 0004

Financial Type: Actual Obligation Budget Source: Removal	Date: 19981124 Amount: \$10000
Action Name: Removal Financial Type: Deobligation Budget Source: Removal	Financial ID: 0001 Date: 19981127 Amount: \$41268
Action Name: Removal Financial Type: Extramural Outlay (Payment) Budget Source: Removal	Financial ID: 0001 Date: 19981127 Amount: \$41268
Action Name: Removal Financial Type: Deobligation Budget Source: Removal	Financial ID: 0002 Date: 19981217 Amount: \$76586
Action Name: Removal Financial Type: Extramural Outlay (Payment) Budget Source: Removal	Financial ID: 0002 Date: 19981217 Amount: \$76586
Action Name: Removal Financial Type: Deobligation Budget Source: Removal	Financial ID: 0005 Date: 19990202 Amount: \$10000
Action Name: Removal Financial Type: Deobligation Budget Source: Removal	Financial ID: 0006 Date: 19990202 Amount: \$23146
Action Name: Removal Financial Type: Deobligation Budget Source: Removal	Financial ID: 0003 Date: 19990202 Amount: \$24000
Action Name: Removal Financial Type: Deobligation Budget Source: Removal	Financial ID: 0004 Date: 19990202 Amount: \$2918
Action Name: Removal Financial Type: Extramural Outlay (Payment) Budget Source: Removal	Financial ID: 0006 Date: 19990202 Amount: \$23146
Action Name: Removal Financial Type: Extramural Outlay (Payment) Budget Source: Removal	Financial ID: 0003 Date: 19990202 Amount: \$2918
Action Name: Removal	Financial ID: 0004

Financial Type: Extramural Outlay (Payment)
Budget Source: Removal

Date: 19990202
Amount: \$24000

Action Name: Removal
Financial Type: Extramural Outlay (Payment)
Budget Source: Removal

Financial ID: 0005
Date: 19990202
Amount: \$10000

Action Name: Removal
Financial Type: Deobligation
Budget Source: Removal

Financial ID: 0007
Date: 19990503
Amount: \$130

Action Name: Removal
Financial Type: Extramural Outlay (Payment)
Budget Source: Removal

Financial ID: 0007
Date: 19990503
Amount: \$130

Action Name: Removal
Financial Type: Deobligation
Budget Source: Removal

Financial ID: 0008
Date: 20010615
Amount: \$11952

Map Identification Number 15 **CITY BARREL**
 421-429 MEEKER ST

BROOKLYN, NY 11222

EPA Facility Id: NYD068298835
TT-Id: 240A-0001-368

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1957 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11222

USEPA COMPREHENSIVE ENVIRONMENTAL RESPONSE
COMPENSATION AND LIABILITY INFORMATION SYSTEM (CERCLIS)

SITE INFORMATION

EPA-ID: NYD068298835
Site Name: CITY BARREL
Site Street: 421-429 MEEKER ST
Site City/State/Zip: BROOKLYN, NY 11222

Site-ID: 0201593

NFRAP (No Further Remedial Activity Planned) Status: NO FURTHER REMEDIAL ACTION PLANNED

USGS Hydrological Unit: 02030201
Incident Category:
Non-NPL Status: NFRAP
Federal Facility Flag: Not a Federal Facility

NPL Status Indicator: Not on the NPL
RCRA Flag:
Non-NPL Stat Date: 19870902

OPERABLE UNIT INFORMATION

Operable Unit ID: 00 Operable Unit Name: SITEWIDE

ACTION INFORMATION

Name: Discovery	Start Date:	Operable Unit ID: 00
Lead: EPA Fund-Financed	Completion Date: 19800425	
Qualifier:	Fin Budget Src:	

Name: Preliminary Assessment	Start Date:	Operable Unit ID: 00
Lead: EPA Fund-Financed	Completion Date: 19870902	
Qualifier: NFRAP (No Futher Remedial Action Planned)	Fin Budget Src: Remedial	

Name: Archive Site	Start Date:	Operable Unit ID: 00
Lead: EPA In-House	Completion Date: 19870902	
Qualifier:	Fin Budget Src:	

FINANCIAL INFORMATION

No financial information was provided



BROWNFIELDS SITES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 16

285 AND 291 METROPOLITAN AVE
285, 291 METROPOLITAN AVENUE

BROOKLYN, NY 11211

Facility Id: C224124
TT-Id: 320A-0000-346

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1616 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

This facility has been deleted from the reported data. Data reflects last reported information.

Brownfield Program: Brownfield Cleanup Program

BROWNFIELD CLEANUP PROGRAM

CLASSIFICATION CODE: A REGION: 2 SITE CODE: C224124
CLASSIFICATION CODE DESCRIPTION: DEC ID: 382333
Work is underway and not yet complete.

NAME OF SITE: 285 and 291 Metropolitan Ave
STREET ADDRESS: 285, 291 Metropolitan Avenue TOWN: New York City
CITY: Brooklyn ZIP: 11211 COUNTY: Kings

SITE TYPE: Dump- Structure- Lagoon- Landfill- Treatment Pond- ESTIMATED SIZE: 0.25 Acre

INSTITUTIONAL/ENGINEERING CONTROLS:
None reported

CROSS REFERENCES:
IDENTIFIER SOURCE

0607903 Spill No.

SITE OWNER/OPERATOR INFORMATION:
CURRENT OWNER(S):
NAME: 291 METROPOLITAN AVENUE, LLC Owner Type: Innocent Owner NonRegistry-HazSubs

ADDRESS: 291 METROPOLITAN AVENUE
BROOKLYN, NY 11211

OWNER(S) DURING DISPOSAL:

OPERATOR(S) DURING DISPOSAL:
NAME: G&A AUTO REPAIR
ADDRESS: 291 METROPOLITAN AVENUE
BROOKLYN, NY 11211

APPLICANT REQUESTOR(S) :

NAME: 291 METROPOLITAN AVENUE, LLC
MR. DANIEL MILLER
ADDRESS: 291 METROPOLITAN AVENUE
BROOKLYN, NY 11211

Owner Type: Innocent Owner NonRegistry-HazSubs

SITE DESCRIPTION:

This is a new BCP application which pertains to 285 and 291 Metropolitan Ave, located at 285-291 Metropolitan Avenue, Brooklyn, Kings County. This site is approximately 0.25 acres in size in an urban area. Surrounding uses are commercial and residential. Directly to the north, across the street from the site on North 4th Street, is a public school. The site consists of an automobile repair facility (former gas station) and a neighboring garage with residential uses on the second floor. The future use for this site is residential and commercial. Suspected and known contaminants are petroleum and metals and MTBE which are impacting the soil and groundwater. This BCP application is currently under review and the Department of Environmental Conservation will determine the application's approval and eligibility.

CONFIRMED HAZARDOUS WASTE DISPOSED:

TYPE	QUANTITY
METHYL-TERT-BUTYL ETHER (MTBE)	UNKNOWN

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

A limited investigation was performed on 291 Metropolitan Ave in October 2006 and spill number 0607903 was assigned. From four soil borings, one soil sample was collected from each. From another two soil borings, two samples were collected from each. From two borings, a grab groundwater was collected in each. The groundwater was contaminated with BTEX compounds and MTBE. Additional investigation will be required to define the extent of contamination.

ASSESSMENT OF HEALTH PROBLEMS:

Information submitted with the BCP application regarding the conditions at the site are currently under review and will be revised as additional information becomes available.

Map Identification Number 17

K - WYTHE AVE STATION

Facility Id: C224069



WYTHE AVE., BERRY ST., N 12TH & 13TH ST

BROOKLYN, NY 11211

TT-Id: 320A-0000-306

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 1969 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

This facility has been deleted from the reported data. Data reflects last reported information.

Brownfield Program: Brownfield Cleanup Program

BROWNFIELD CLEANUP PROGRAM

CLASSIFICATION CODE: 99
CLASSIFICATION CODE DESCRIPTION:
No description provided

REGION: 2

SITE CODE: C224069
DEC ID: 58235

NAME OF SITE: K - Wythe Ave Station
STREET ADDRESS: Wythe Ave., Berry St., N 12th & 13th St
CITY: Brooklyn ZIP: 11211

TOWN: New York City
COUNTY: Kings

SITE TYPE: Dump- Structure- Lagoon- Landfill- Treatment Pond-

ESTIMATED SIZE:

INSTITUTIONAL/ENGINEERING CONTROLS:
None reported

CROSS REFERENCES:
None reported

SITE OWNER/OPERATOR INFORMATION:
CURRENT OWNER(S):
NAME.....:
ADDRESS...:

SITE DESCRIPTION:

This is a Brownfield transition site from the V00719 Voluntary Program application. The Wythe Avenue (Berry Street)Holder Station is comprised of ten parcels of land located in Brooklyn, New York, Kings County. The site is bounded by North 13th Street, North 12th Street and Wythe Avenue. The gas holder and associated buildings operated at the site from sometime between 1887 and 1905 until sometime between 1951 and 1965. The current land use for the parcels includes industrial and manufacturing.

CONFIRMED HAZARDOUS WASTE DISPOSED:

None reported

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

The environmental assessment for this site has not yet been completed. A schedule is currently being developed with KeySpan Energy Corporation to complete Site Characterizations at twenty-nine transition sites by 2010. When the Site Characterization is complete, a preliminary environmental assessment will be input.

ASSESSMENT OF HEALTH PROBLEMS:

None provided



SOLID WASTE FACILITIES IDENTIFIED WITHIN THE 1/2 MILE SEARCH RADIUS

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 18		NATIONAL PAPER STOCK CART			Facility Id: 24T91
		NO ADDRESS INFORMATION PROVIDED			TT-Id: 380A-0001-384
MAP LOCATION INFORMATION			ADDRESS CHANGE INFORMATION		
Site location mapped by: MANUAL MAPPING (5)			Revised street: 136 NORTH 10TH STREET		
Approximate distance from property: 1408 feet to the NW			Revised zip code: 11211		
PERMIT NUMBER	PERMIT EXPIRES	FACILITY TYPE	FACILITY STATUS	WASTE TYPES	
		LARGE TRANSFER STATION (>50000 CY/YR)	None	Demolition, High Grade Paper, Putrescible	

Map Identification Number 19		NORTH 12 STREET T.S.			Facility Id: 24T68
		NO ADDRESS INFORMATION PROVIDED			TT-Id: 380A-0001-365
MAP LOCATION INFORMATION			ADDRESS CHANGE INFORMATION		
Site location mapped by: MANUAL MAPPING (3)			Revised street: N 12TH ST/KENT AVE		
Approximate distance from property: 2611 feet to the NW			Revised zip code: 11211		
This facility has been deleted from the reported data. Data reflects last reported information.					
PERMIT NUMBER	PERMIT EXPIRES	FACILITY TYPE	FACILITY STATUS	WASTE TYPES	
		LARGE TRANSFER STATION (>50000 CY/YR)		Demolition	



NO HAZARDOUS WASTE TREATMENT/STORAGE/DISPOSERS IDENTIFIED WITHIN THE 1/2 MILE SEARCH RADIUS



HAZARDOUS MATERIAL SPILLS INTRODUCTION

The Hazardous Material Spills in this section are divided into eight spill cause groupings. These include:

Active Spills Section: Spills with incomplete paperwork that may or may not be cleaned up (See Date Cleanup Ceased)

- 1) Tank Failures
- 2) Tank Test Failures
- 3) Unknown Spill Cause or Other Spill Cause Hazardous Spills
- 4) Miscellaneous Spill Causes: Equipment Failure, Human Error, Tank Overfill, Deliberate Spill, Traffic Accidents, Housekeeping, Abandoned Drum, and Vandalism.

Closed Status Spills Section: Spills with completed paperwork that may or may not be cleaned up (See Date Cleanup Ceased)

- 5) Tank Failures
- 6) Tank Test Failures
- 7) Unknown Spill Cause or Other Spill Cause Hazardous Spills
- 8) Miscellaneous Spill Causes: Equipment Failure, Human Error, Tank Overfill, Deliberate Spill, Traffic Accidents, Housekeeping, Abandoned Drum, and Vandalism.

All spills within each spill cause category are presented in order of proximity to the subject site address.

Please note that spills reported within 0.25 mile (or one-eighth mile in New York City) are mapped and profiled.

Between 0.25 mile (or one-eighth mile in New York City) and 0.5 mile, only the following spills are mapped and profiled:

- * Tank Failures;
- * Tank Test Failures;
- * Unknown Spill Cause or Other Spill Cause;
- * Spills greater than 100 units of quantity; and
- * Spills reported in the NYSDEC Fall 1998 MTBE Survey.

A table at the end of each section presents a listing of reported Miscellaneous Spills with less than 100 units located between 0.25 mile (or one-eighth mile in Manhattan) and 0.5 mile. These spills are neither mapped nor profiled.



ACTIVE TANK FAILURES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 20 **ENGINE CO. 229 FDNY -DDC** **Spill Number: 9703488** **Close Date:**
 76 RICHARDSON STREET BROOKLYN, NY TT-Id: 520A-0047-908

MAP LOCATION INFORMATION
 Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 1230 feet to the ENE

ADDRESS CHANGE INFORMATION
 Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER Spiller: LT MOLINARO - ENGINE COMPANY 229 Spiller Phone:
 Notifier Type: Other Notifier Name: ROBERT COLLIN Notifier Phone: (516) 499-1085
 Caller Name: ROBERT COLLIN Caller Agency: CHESNER ENGINEERING Caller Phone: (516) 499-1085
 DEC Investigator: ADZHITOM Contact for more spill info: LT MOLINARO Contact Person Phone:

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.

Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/20/1997		TANK FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:
 DURING TANK CLOSURE - SOIL SAMPLE HAS BEEN TAKEN AND THEY RECIEVED
 POSITIVE PID ON ONE SAMPLE

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ZHITOMIRSKY"
TRANSFERRED FROM Y.KRIMGOLD.

8-3-2005 Reviewed report received by NYSDEC on June 13, 2005. The report stated that free product is present in wells MW-2 and MW-4. Petroleum absorbent socks have been replaced several times in both wells. Also, the report stated that in July 2001, laboratory analysis identified the product as kerosene. In addition, the report stated that the most likely off-site source is the upgradient neighboring property, which was known to have underground storage tanks. A letter was sent to DDC/URS to inform the City that at NYSDEC request, an investigation was performed at the neighboring property (Spill #0130048, 407 Leonard Street). The investigation results showed no signs of contamination and the spill report for that property was closed. Therefore, the Department requested that DDC/URS repeat the fingerprint analysis of the free product in wells MW-2 and MW-4, and investigate alternative sources for the free product contamination. AZ

9-28-2005 Staff received and reviewed a monitoring report from the City's contractor which stated that free product is present in several wells. The report suggested that the most likely off-site source is the up-gradient neighboring property, which has underground storage tanks. Staff responded that an investigation was performed, at DEC's request, at the neighboring property (Spill #0130048, 407 Leonard Street). The investigation results showed no signs of contamination and the spill report for that property was closed. Staff asked the City to repeat the petroleum fingerprint analysis to help determine the source of the product. This analysis indicated that the product is likely kerosene. Although kerosene tanks were never present at the site, NYFD has practice of mixing kerosene and diesel fuel. There is a diesel AST in the basement of the facility. Staff asked Jane Staten (URS) to investigate the possibility of leakage from the diesel AST into the subsurface through underground lines or other conveyances. AZ

9/26/2006 The site was transferred from URS to Greyhawk on January 1, 2006. In July 2006 Greyhawk reported that due to the lack of documentation from the previous CM, Roux performed a reconnaissance visit to the site. Eight of nine monitoring wells were located and gauged. MW-08 was probably destroyed during ongoing construction activities at the neighboring property. MW-04 continues to contain free product at 0.16'. Absorbent socks in wells MW-04 and MW-02 were replaced. AZ

12-07-2006 Staff received and reviewed a monitoring reports from Roux dated September 22 and November 20, 2006. November report states that Gw sampling was not conducted for April through June 2006 because Greyhawk mistakenly considered the spill closed. Free phase (kerosene) was detected in MW-02(0.03') and MW-04(0.23') during July-September quarterly monitoring event. MW-08 could not be located. Roux recommended reduce frequency of gw sampling and reporting from quarterly to semi-annual since dissolved phase remains only in MW-09, continue quarterly gaging of wells, continue using absorbent socks, conduct additional investigation to determine potential sources of kerosene product (work plan will be submitted to DEC), attempt to locate MW-08. DEC concurred. MW-08 should be located or replaced. AZ

12/22/2006 At the meeting with DDC/Greyhawk on 12/12/2006 DEC inquired about the remedial progress at this site. Greyhawk will advance a few borings to resolve this issue. They will submit a work plan. AZ

2/13/2007 An e-mail was sent to DEC/Roux: "Roux recommended reducing frequency of groundwater sampling to semi-annual at this site. Also, Roux proposed that well MW-08 should be located and sampled in their November 2006 Report. As far as I know, MW-8 has not been located. Well MW-8 should be located and sampled. When sampling results from MW-8 are submitted to DEC, frequency of groundwater sampling will be reviewed." AZ

2/14/2007 Telephone conversation with Brian Morrissey on 2/13/2007: Brian informed me that MW-8 was last sampled in 2002 and

exhibited 15 ppb of total VOC. This information was not included in Roux's quarterly report. Based on this information I approved Roux recommendation for semi-annual groundwater sampling. However, due to the presence of free product at this site, groundwater sampling schedule should be restored to quarterly if dissolved phase contamination appears in more wells. An e-mail was sent to Brian Morrissey (Roux). AZ

6/21/2007 Reviewed report for the site dated April 11, 2007, and received on April 26, 2007. Roux recommended conducting additional site investigation to determine potential sources of kerosene. They proposed collecting soil and gw samples from borings in the alley located between the firehouse building and the adjacent property's degreasing pit. No permanent wells were proposed. UST near Leonard Street belongs to what site? I left a message for B. Morrissey (Roux) asking clarification for the work plan. AZ

6/22/2007 Conversation with Brian Morrissey regarding the proposed Work Plan. I rejected the proposed Work Plan since it did not propose any permanent well installations. Also, I consider, that number of soil borings is excessive. Two wells should be installed in place of proposed boring RXSB07-RXSB09. Also, two wells should be installed between the degreasing pit and the potential site of previous USTs. MW-8 should be either located or re-installed. I requested information regarding diesel fill ports, gasoline fill ports and previous USTs depicted on the plan. Do they belong to the Fire Department or to the adjacent property? Roux will submit a revised work plan and the requested information. AZ

2/11/2008 An e-mail was sent to Roux/DDC/VB/Greyhawk: "I have reviewed Semi-Annual Monitoring Report for the above site submitted in November 2007. The report included the revised Work Plan. However, DEC comments were only partially taken into account. DEC requested installation of two wells between potential site of the previous USTs and the degreasing pit. These wells were not proposed by Roux. Also, DEC requested information regarding ownership of the diesel fill ports, gasoline fill ports and previous USTs depicted on the plan. This information has not been provided to DEC. These deficiencies should be corrected and modified Work Plan with the requested information submitted to DEC. AZ

2/12/2008 Conversation w/Brian Morrissey (Roux). Brian suggested installing two wells in the alleyway as the first step in the investigation. After these wells are installed and sampled, a decision will be made by DEC regarding installation of two additional off property wells at the adjacent property as per DEC's previous request. Also, Roux will provide DEC with the information regarding UST locations at EC 229 property and information regarding the ownership of the former USTs as well as diesel and gasoline fill ports in conjunction with the first stage of the investigation. AZ

10-31/2008 An e-mail was sent to Roux/DDC/Greyhawk/V.B.: "I have reviewed Semi-Annual Monitoring Report for the above site for the period of July 2007 to June 2008 and dated August 4, 2008. Based on the report, the additional site investigation, approved by DEC in February 2008, has not been performed. The submitted investigation plan is approved and should be performed without delay. After proposed wells/borings are installed, a decision will be made by DEC regarding installation of two additional off site wells at the adjacent property as per DEC's previous request. According to the PBS records, a 2,000 gallon fuel oil tank was closed in place at the site. A 550 gallon diesel tank is in active status at the site. Locations of these tanks and their fill ports should be indicated on the plan. Also, location of 275 gallon gasoline tank fill ports should be indicated on the plan." AZ

12-21-2009 Additional investigation work plan approved by DEC on February 11, 2008, February (ASIWP) has not been performed. According to Roux it will be performed by the incoming construction management firm. Intermittent kerosene product is observed in MW-4 and MW-02. An investigation REQUESTED BY NYSDEC (Spill #0130048, 407 Leonard Street) DEC determined that product in MW-2 and MW-4 doesn't appear to be from this potential upgradient source. Roux will continue to use absorbent socks. AZ

8-25-2010 An e-mail was sent to LiRo S. Frank: "I have reviewed Site Turn-Over Status Report. Result of the additional investigation which was approved by DEC should be sent to the Department. Well MW-01 could be removed from the sampling program. Wells M-06 and MW-07 should be replaced." AZ

12-21-2010 An e-mail was sent to LiRo S. Frank, V. Brevdo, F. Ashkan: "Dear Steve, I have reviewed semi-annual sampling/quarterly monitoring and additional investigation report for this site. The report proposed continuation of sampling and adding SVOC analysis to groundwater sampling protocol. Also, report suggested hot spot shallow excavation at boring RXSB-04. These proposals are approved. LiRo recommended removal of wells MW-01 and MW-07 from the sampling program and reduction of gauging to semi-annual, since product has not been observed since 2008. These recommendations are approved. The Responsible Party and Contractors are responsible for the safe execution of the Work Plan."

Elevated levels of soil and dissolved groundwater contamination exist at this site. A series of 11 injection wells were installed at the site. PermeOx slurry was injected in each well. Consultants submitted additional site investigation plan which has been approved by DEC. In June 2010 LiRo performed the revised Additional Revised Investigation Plan. Elevated PID readings and petroleum odor was noted in all seven borings mainly between 5 and 15 ft. bgs. VOC and SVOC concentrations exceeded TAGM soil guidance. Contamination is present just above and at the groundwater table interface. LiRo recommended conducting hot spot shallow excavation to remove VOCs in soil. DEC approved this recommendation. AZ

6-28-2011 Reviewed report for the site dated March 31, 2011. Soil samples collected indicate shallow SVOC contamination above and at groundwater table. Soil below gw table do not indicate contamination. LiRo proposed to conduct hot spot excavation at boring RXSB-04 and DEC approved it in December 2010. Free phase product was detected in RXMW-01 (0.01') and MW-04 (0.22') in November 2010. The product was identified as gasoline. Due to the presence of free phase, quarterly gauging will be conducted. Monthly vacuum truck extraction in wells MW-02, MW04, and RXMW-01 will be conducted for a period of 3 months. AZ



ACTIVE TANK TEST FAILURES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 21 **187 BEDFORD AVE** **Spill Number: 0307525** **Close Date:**
 187 BEDFORD AVENUE BROOKLYN, NY 11211 TT-Id: 520A-0048-056

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
 Approximate distance from property: 1269 feet to the W

ADDRESS CHANGE INFORMATION

Revised street: 187 BEDFORD AVE
 Revised zip code: NO REVISION MADE

Source of Spill: PRIVATE DWELLING Spiller: ALEX WEROCKI Spiller Phone: (646) 87 -6165
 Notifier Type: Tank Tester Notifier Name: PHIL FAZIN Notifier Phone: (516) 375-5890
 Caller Name: PHIL FAZIN Caller Agency: A-1 CROWN LEAK CORPOATION Caller Phone: (516) 375-5890
 DEC Investigator: BKFALVEY Contact for more spill info: ALEX WEROCKI Contact Person Phone: (646) 87 -6165

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.

Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved	Meets Cleanup Standards	Penalty Recommended
10/16/2003		TANK TEST FAILURE	2-608263	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks: NO REMARKS GIVEN FOR THIS SPILL

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "DEMEO"
 TTF letter sent to Mr. Wersocki at 187 Bedford Ave Bklyn 11211

12/3/05: CBN
 Called Alex Wersocki (718) 963-2659 and left a message for hm to call me back, but haven't heard from him yet.

12/1/08 bf: Sent ttf old spill letter to:
Alexander Wersocki
187 Bedford Avenue
Brooklyn, NY 11211



ACTIVE UNKNOWN CAUSE SPILLS AND OTHER CAUSE SPILLS IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 22 **PROPERTY** **Spill Number: 0503901** **Close Date:**
 55 ROEBLING ST BROOKLYN, NY TT-Id: 520A-0044-434

MAP LOCATION INFORMATION
 Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 338 feet to the SW

ADDRESS CHANGE INFORMATION
 Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: UNKNOWN Spiller: RACHEL ATAMAN - PROPERTY Spiller Phone: (631) 462-5866
 Notifier Type: Local Agency Notifier Name: RACHEL ATAMAN Notifier Phone: (631) 462-5866
 Caller Name: RACHEL ATAMAN Caller Agency: HYDRO TECH ENVIRON. Caller Phone: (631) 462-5866
 DEC Investigator: SKCARLSO Contact for more spill info: RACHEL ATAMAN Contact Person Phone: (631) 462-5866

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
06/30/2005		UNKNOWN	NO		NO	

Material Spilled	Material Class	Quantity Spilled		Quantity Recovered		Resource(s) Affected
		Units		Units		
GASOLINE	PETROLEUM	0	GALLONS	0	GALLONS	SOIL
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

DOING SAMPLES. CLEAN UP IS NOT IN PROCESS.

DEC Investigator Remarks:

gasoline contaminated soil

need to track down the property owner and then prepare/send a contaminated soil letter.

11/21/05 - Mr. Ted Firetog, Attorney of owner which is Dekalb Aquisition Entity called. He said they never got any letter from DEC. He aslo mentioned a report was given to Ed Rossan when Ed was out at the site for inspection on July? I requested Mr. Firetog to submit the report to me for review. - KST

12/2/05 - Mr. Firetog fax a letter requesting closure. I called him back and asked for the report again. He said he will eamil to me by Monday. - KST

12/8/05: Case transfered to Andersen. Reviewed above noted Waste Characterization Report. No Furthur action letter sent. Low level contamination due to old fill material. Acetone present probably from laboratory analysis.

12/29/05-Vought-Received message from Jack Eisenberg (917-494-9097) regarding status of spill. Vought referred call to DEC Andersen.

05/17/07-Vought-New File review by Vought due to possible concerns that this site contributing to contamination at open spill #068858 at 234 North 9th Street.

Waste Characterization Report (PW Grosser)-12/5/05. 24 samples collected beneath concrete slab "to characterize soil quality". Two samples from each boring were collected. "...it is our understanding that the purchaser intends to excavate the entire site to a depth of twelve feet". Soil analyticals show: 220ppb benzene(WC-03 8-12'bg), 210ppb benzene(WC-11 8-12'bg), 1700ppb xylene(WC-12 2-4'bg), 87ppb benzene(WC-12 8-12'bg).

Remedial Action Plan (PW Grosser)-March 2006. Site formerly contained three gasoline USTs as per Sanborn maps, and one 1500-gallon fuel oil UST as per Phase I. Collection of 32 soil samples and five groundwater samples via installation of twelve soil borings. Depth to groundwater is approximately 8-12' below grade. Vapor barrier installation specifications included. Remedial action plan calls for excavation of soil in two areas of concern. and excavation up to a depth of ten feet. Closure Report will be submitted once items in Remedial Action Plan are completed.

Subsurface Investigation Report (PW Grosser)-3/27/06. 14 soil borings performed and Soil analyticals show: 1100ppb benzene(SB1 12-16'bg), 1700ppb xylene(Sb1 12-16'bg), 5500ppb tert-butylbenzene(SB1 12-16'bg), 1400ppb benzene(SB2 4-8'bg), 13000ppb xylene(SB2 4-8'bg), 51000ppb tert-butylbenzene(SB2 4-8'bg), 10000ppb toluene(SB2 4-8'bg), 220ppb benzene(WC-03 8-12'bg), 210ppb benzene(WC-11 8-12'bg), 1700ppb xylene(WC-12 2-4'bg), 87ppb benzene(WC-12 8-12'bg). Groundwater analyticals show: 660pp benzene(GW-01 20-24'), 170ppb toluene(GW-01 20-24'), 270ppb ethlybenzene(GW-01 20-24'), 340ppb xylene(GW-01 20-24'), 420ppb naphthalene(GW-01 20-24'), 3200ppb benzene(GW-02 14-18'), 2200ppb toluene(GW-02 14-18'), 270ppb ethylbenzene(GW-02 14-18'), 1600ppb xylene(GW-02 14-18'), 3900ppb naphthalene(GW-02 14-18'), 37ppb benzene(GW-03 18-22'bg), 7ppb ethylbenzene(GW-03 18-22'bg), 15ppb xylene(GW-03 18-22'bg), 170ppb naphthalene(GW-03 18-22'bg), 69ppb benzene(GW-04 20-24'bg), 11ppb toluene(GW-04 20-24'bg), 600ppb ethylbenzene(GW-04 20-24'bg), 86ppb naphthalene(GW-04 20-24'bg), 470ppb benzene(GW-06 15-19'bg), 9ppb toluene(GW-06 15-19'bg), 11ppb ethylbenzene(GW-06 15-19'bg), 46ppb xylene(GW-06 15-19'bg), 110ppb naphthalene(GW-06 15-19'bg). Slight petroleum odor and sweet chemical odor noted in boring logs. Vought referred new information to DEC Carlson for possible spill reopening.

5/17/07: Spill reopened. Called DEP Project Manager and left message :

Terrell Esesen
NYCDEP
59-17 Junction Boulevard
Flushing, NY 11373
Phone: 718-595-4473

Called PW Grosser project manager and left message:
Kris Almskog: 631 589 6353, krisa@pwgrosser.com

Spoke to Terrell Esesen. DEP issued a notice to proceed with redevelopment. He has not heard anything since. A Notice of Satisfaction (required for a building department CO) has not been issued. Indoor air sampling is required for a notice of satisfaction. CC DEP on correspondence.

Spoke to Kris Almskog. The building was demolished. Excavation was not started yet. Split samples were collected in coordination with spill 068858. He will send info on split samples and an update on redevelopment.

5/18/07: Sent letter requiring endpoint sample collection, a RAP addendum with the location of excavation and a workplan for groundwater treatment, delineation north and south of the planned building.

5/21/07: Spoke to Kris Almskog. Hot spots were already excavated. Endpoint samples were not collected. Test pits will be dug to find to collect soil samples at the depth that was excavated. Will submit site plan with proposed well locations. Will submit RAP after well installation. Test pits expected to be dug on Friday. Footing have been installed. Vapor barrier installation planned in the next couple of weeks.

6/6/07: Spoke to Kris Almskog. Test pits were dug in the areas excavated, endpoint samples were collected at the depth that was excavated. Wells will be installed soon. Some foundation work has been completed.

6/20/07: Emailed Kris Almskog to followup on status.

6/22/07: Received email from Kris Almskog:

"Due to changes in surface elevations due to construction activities, groundwater was observed at approximately 8' BGS at SP-01 and 10' BGS at SP-02, at the time of the sample event. Because of a slight staining in the soils in the SP-01 7-8' sample, a second sample was collected from 10-11' BGS (below the water table). Results are summarized in the attached table. VOCs in the endpoint samples from this round of sampling were all below NYSDEC RSCO, with the exception of 4-Isopropyltoluene in SB-02. This is a significant decrease when compared to the results detailed in the March 27, 2007 Subsurface Investigation Report.

Due to site conditions due to construction, the installation of the monitoring wells was temporarily postponed. It is estimated that the wells will be installed in approximately 2-3 weeks. Following installation and collection of gw samples, a report detailing the soil endpoint and gw

sampling results will be prepared and submitted.

As detailed in the March 2006 RAP, there will be no living space on the first floor of the finished building, just parking and a recreation area, and a 20 mil HDPE vapor barrier will be installed beneath the buildings slab. The vapor barrier and the slab will be installed next week. Once access is available, we will install the 3 monitoring wells detailed in our work plan."

6/25/07: Performed site visit. Pilings were being installed. Pilings installed to 8 ft, (10 ft for elevator pit). Vapor barrier in rear portion will be installed this week.

6/29/07: Received email from Kris Almskog indicating that the slab was not yet installed, well installation tentatively planned on July 13, requested additional letter with well locations for DOT permit.

7/2/07: Sent letter with specific well locations for DOT sidewalk permit.

7/12/07: Called PW Grosser to confirm well installation date. Well installation delayed for DOT sidewalk permit.

8/9/07: Left phone message for Kris Almskog to followup on well installation/sampling.

8/13/07: Received phone message from Kris Almskog. Three wells were installed. They will be sampled and the results submitted.

9/21/07: Left voice message for Kris Almskog to followup on update report.

10/12/07: Left voice message for Kris Almskog (cell: 516-807-6899) to followup on site status and update report submission.

10/18/07: Reviewed subsurface investigation report. Soil samples collected from two test pits at depth of excavation in hotspots. No VOCs except isopropyltoluene. SVOCs that are likely from fill. Four monitoring wells installed. Max BTEX 2760 ppb (MW4), MTBE ND. Sent letter requiring RAP for groundwater treatment, quarterly monitoring, and submittal of indoor air sampling results that is required by DEP.

3/4/08: Reviewed letter dated 2/8/08. Letter concludes there may be an off-site source to the east, although the property to the east is residential. Spoke to Kris Almskog, requested that an additional well be installed to the east, on the sidewalk.

3/5/08: Issued a letter requesting an additional on-site well and an additional off-site well.

3/31/08: Received phone call from Ted Firetog following up on site status.

4/2/08: Reviewed well installation report dated March 19, 2008. Report did not include boring logs or gauging data. Spoke to Zeb Youngman, he will send data.

4/3/08: Received phone call from Ted Firetog following up on site status.

Theodore Firetog

Attorney and Counselor at Law
111 Thomas Powell Boulevard
Farmingdale, NY 11735-2251

Received boring logs, well construction logs, and gauging data. Groundwater flow is south/southwest.

4/15/08 - Carlson: Sent letter requiring a well on the south side of N 8th street, and quarterly gauging, sampling, and reporting.

5/8/08 - Carlson: Spoke to Ted Firetog. He proposed waiting to install an additional well until after the next quarterly sampling period. He will offer recommendations on well installation in the next quarterly report.

8/28/08 - Carlson: Reviewed Quarterly Report dated July 28, 2008. TVOCs 3,421 ppb in MW4. The groundwater flow direction is unclear. Sent letter requiring delineation workplan by 9/28/08. Additional wells are required to confirm groundwater flow direction and to delineation petroleum groundwater impact.

12/8/08 - Carlson: Spoke to Ted Firetog. An additional well is still required upgradient to confirm the possibility of an off-site source.

1/14/09 - Carlson: Spoke to Ted Firetog, they will submit workplan for upgradient sampling. Issued letter and stipulation agreement requiring workplan for upgradient delineation. (Ted Firetog: tfiretog@eniinternet.com, Zeb Youngman: zeby@pwgrosser.com)

1/22/09 - Carlson: Reviewed workplan. One upgradient sampling point requested. Sent letter requiring a revised workplan, three wells required.

Map Identification Number 23



N 11TH STREET SIDEWALK
204-214 NORTH 11TH ST
MCCAREN MEWS

BROOKLYN, NY 11211

Spill Number: 0750535

Close Date:

TT-Id: 520A-0049-156

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 487 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: Other
Caller Name:
DEC Investigator: SFRAHMAN

Spiller:
Notifier Name:
Caller Agency:
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone:
Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/02/2007		UNKNOWN	NO	NO

NO MATERIAL INFORMATION GIVEN FOR THIS SPILL

Caller Remarks:

P.W Grosser installed six monitoring wells as part of oil seepage investigation. Free product was encountered in one of the wells on N 11th street, unsure where it is coming from. Other wells were free of petroleum contamination.

DEC Investigator Remarks:

07/10/07 As per discussion with RSE and Jeff Vought of DEC, this new spill case has been created to open a PIN project and perform investigation by a state funded contractor. (SR)

07/16/07 I met with National Environmental at the site and explained the site's current situation to Bruce Beck, handed him over previous investigation data. National Env. will prepare a new investigation work plan, will be executed after DEC's approval. (SR)

07/17/07-Vought-Meeting held with DEC Nagi, DEC Austin, DEC Brevdo, DEC Sun, DEC Vought, DEC Karwiel and DEC Cruden to request permission to use non-lowest bidder contractor due to prior performance issues with National and high visibility of site to surrounding public. Permission granted to use second highest bidder (Envirotrac) by DEC Albany and DEC Nagi.

07/20/07 Site meeting on 07/23/07 at 11:00 AM with Envirotrac. Jeff vought will attend the meeting on behalf of DEC.

07/23/07-Vought-As per DEC Austin, DEC requires: 1) delineation via installation of semi-circle of monitoring wells around MW1 including one well in street and two in sidewalk 2) groundwater monitoring and sampling from all onsite and offsite wells. Site visit with EnviroTrac (Dave Lorthior) and Vought provided copies of all previous reports on CD, copies of spill report, contractor work authorization form, site plan and discussed scope of work. On site is six story building under construction will full scaffolding along N. 11th Street. To perform scope of work, contractor must both get a sidewalk permit and a street opening permit. Note that gas line may be immediately adjacent to curb and water and or sewer run down N. 11th Street. Vought discussed scope of work with Austin who required that markouts be performed and Schwatz be contacted with respect to date of scaffold removal. Vought called PW Grosser (Kris Almskog 631-589-6353) and left message to return call. Once schedule of scaffolding is determined, notification will be made to EnviroTrac for markouts to ensure that they are valid.

To consider: Sampling at the the former UST location was never considered and never reported. Furthermore the location of the fill line and the supply return lines to the boiler were never known and no tightness testing or information is available in the file. Project manager may want to consider investigation on sidewalk adjacent to tank at most likely location of former fill line. Project manager may want to consider submission of documentation of soil sampling during UST removal and tightness testing data and former fill line location.

07/31/07-Vought-As per DEC Austin, DEC requires: 1) delineation via installation of semi-circle of monitoring wells around MW1 including one well in street and two in sidewalk 2) groundwater monitoring and sampling from all onsite and offsite wells. Vought also will: 1) send notification to PW Grosser for collection of split samples and or witness to boring 4) Send email to envirotrac with scope request notification with status of street opening permit. Vought spoke with DEC Austin and as per Austin if wells

show product then further delineation will be performed in second phase. Vought sent email to Envirotrac with requirements and also cc'd PW Grosser (Almskog).

08/1/07-Vought-Called:

Issac Schwartz
Cell(917) 282-6071
office:(718)218-8330

Dave Yudelson (Sive Paget)
Cell (917)295-6449
Office: (212)421-2150
D.Yudelson@sprlaw.com

Kris Almskog
Office: (631)589-6353
KrisA@pwgrosser.com

Vought sent email to above, DEC Austin and Envirotrac Lorthior requesting Lorthior to submit possible drilling dates after investigation into sidewalk permit, street opening permit and markouts.

8/013/07 Rec'd email from Envirotrac(Tom Bosshard).DOT permit for well installation is delayed due to a bonding issue with the NYC DOT.Envirotrac also looking into subcontracting the permit expediting service to another company that may already have DOT bond approval.As per request, I wrote a letter to DOT requesting to expedite the permit process.(SR)

08/30/07 I spoke with Frank Jiran of Envirotrac regarding the DOT permit.The original project manager Dave Lorthior is on vacation.The tentative date for well installation was set for September 5th,07, provided that the permit will be secured by this time.As of now, the permit is not available yet.(sr)

09/05/07 Well installation took place today.DEC Jeff Vought and Sharif Rahman were present at the time of well installation.Two wells were installed on side walk,on both sides of existing MW that collecting oil in it.Two soil samples, one at 5-7' and other one at 7-9' were collected for analysis.At 9-11' free product was encountered.Monitoring well on street could not be installed due to presence of utility lines closely located to each other.PW Grosser rep Richel also took soil sample, on behalf of the developer(sr).

09/12/07 As per RSE's recommendation one well was installed on N.11th street as part of oil source investigation.According to EnviroTrac project manager Dave Lorthior, no soil contamination observed above water table.Gross contamination was found at 1.5' below water table beneath the clay layer.One boring was advanced at approximately 14' east of MW-1, got refusal at 7'.Gross soil contamination observed at 6-7'.Samples wers taken for analysis.PW Grosser rep also collected sample from this one.I left the site at that point, Envirotrac will do more on the side walk today and Friday, 14th.I called Kris Almskog of PW Grosser and requested him to send DEC the photographs of the site at different stages of soil excavation taken from different area of the site including the UST location.(sr)

09/27/07 Two new wells and two soil borings near the existing wells were advanced on north side N 11th street today.Gross contamination observed below water table between 10-15 ft.(SR)

03/07/08 Department's letter requiring aggressive contamination removal from underneath the sidewalk went out to P.W.Grosser Consulting on 02/12/08. The letter asked to perform removal of contaminated soil and free product from underneath the sidewalk by excavating, as technically practical and feasible. Letter was approved by RSE and DLA. We had a meeting with DEC Vought, RSE Mr. Austin, John Urda and DEC Sharif Rahman in RSE's office and discussed P.W. Grosser's response regarding their proposal to VEFR the wells only, instead of excavation and removal of gross contamination underneath the sidewalk. RSE Mr. Austin opined that due to poor transmissivity of the oil, quantity of accumulation to the wells is also nonsignificant. Therefore, without excavation, VEFR will not work well to recover free product from underneath the sidewalk. RSE recommended to contact Key Span Energy to study feasibility of excavation near their gas main to remove contamination. A meeting with property owner's consultant, counsel was scheduled on 03/13/08 at DEC office to discuss about remedial strategy. (sr)

03/17/08 A meeting was held on 03/13/08 at DEC region 2 office with P.W. Grosser (Kris Almskog), Proper owner Issac Swartz and Mr. Firetog. On DEC side- John Urda, Randall Austin, Jeff Vought and Sharif Rahman. DEC explained that due to the fact that ground water flow direction is from the site to the north and an UST that had oil in it with strong evidence of oil release to the ground, the site 204 N 11th Street is the most potential source of this oil contamination and there was no other source found. It was decided that P.W. Grosser will prepare revised work plan to excavate and remove contamination from the sidewalk after consulting and keeping KeySpan in the loop. KeySpan has to be notified and clearance is needed from them in order to excavate near gas line. KeySpan Energy's contact info was given to P.W. Grosser. As per RP's request to close out this spill, DEC decided to close Spill 0750535 after the cost of investigation is paid by McCarren Park Mews. Issac Swartz agreed to pay the bill for investigation done by Envirotract. Total cost of the investigation was provided to John Urda for dispatching to McCarren Mews. It was also discussed to analyze ground water quality once excavation and removal of gross contamination is completed. (sr)

05/27/08 I called Dave Lorhtior (EnviroTrack) and requested him again to send DEC a confirmation letter when the bill for PIN job is paid by McCarren Park Mews so that I can request DEC central office to take off the PIN number and spill 0605974 can be closed as per the stipulation agreement. Spill#0750535 will remain open until the remedial work is completed as per the Corrective Action Plan (CAP). (sr)

06/02/08 I spoke with Envirotract's project manager Dave Lorhtior regarding the bills, he said they have been paid and he would send us the confirmation by today. Erin Gaus from Test America (Lab) also told me the same. Once we receive the confirmation letter, this spill case will be closed. I contacted with Kris Almskog of P.W. Grosser to get the update on the sidewalk excavation job. As per Kris, A.B. Environmental was hired to perform the work, application for sidewalk work permit has been submitted to NYC DOT. Kris also indicated that as part of IRM, wells will be monitored today. (sr)

06/06/08 Rec'd letter/e-mail from Envirotract and Test America confirming that the invoices were paid in full and there is no other bill unpaid associated with spill#0750535/PIN 04394. As per Stipulation agreement, R2-20080502-236 and consent from RSE and DLA (John Urda), spill#0605974 is closed.

** Additional remedial activities will be carried out under Spill#0750535** (sr)

** 06/18/08 I stopped by the site and observed some soil excavation taking place at the south west side proposed parking lot area, soil has black stain and it has odor. I suggested to take soil samples from the bottom of the excavation in a grid pattern and perform air monitoring today and after. P.W. Grosser (Chris Almskog) sending crew to take samples today, as per our conversation today. I also suggested Isaac Swartz to cover the stockpiled soil in order to prevent the odor from spreading. Chris Almskog indicated that they are working with Keyspan and Contractor A.B. Environmental to schedule the excavation and removal of contaminated soil from under N 11th street sidewalk. (sr)**

06/23/08 I responded to the site with DEC Hasan Ahmed.P.W.G.C rep Jennifer Lewis, AB Environmental, National Grid(KeySpan) rep Douglas Laregina were present at the site.AB Environmental started excavation at MW-1 location.With Keyspan's approval the excavation dimension was approx 9'deep,2'wide and 4' long along N 11th Street.Free product found in the excavation hole that was sucked out by A.B Environmental.Excavation will be back filled today as there is safety issues involved, but will be reopened for more excavation and installation of recovery well.I told PWGC and Issac Swartz that actual dimension of the excavation for efficient and safe recovery of the soil/oil contamination must be determined by a licensed Professional Engineer as per DEC's letter Feb 12'2008.MW-11 was checked for product by a stick and free product was found.MW-12 and MW-4 are also the potential location for free oil contamination.(sr)

06/26/2008-Hasan Ahmed-DEC Ahmed and Vought went to the site. Kevin Waters from PWGC , AB Environmental, a representative from National Grid(KeySpan) were present at the site. AB Environmental started excavation at MW-12 location.With Keyspan's approval the excavation dimension was approx 7.5 ft deep,2' wide and 5' long along N 11th Street. Free product was noticed in the excavation that was vacuumed out by A.B Environmental. Excavation would be back filled today. PWGC would replace the existing MW12 with a 6" recovery well. Pictures were taken of excavation and free product in groundwater.

06/30/08 I spoke with Chris Almskog today and asked him the status of the excavation.Chris indicated that PWGC and A.B. environmental went there on 06/26/08 and 06/27/08 an dexcavation to other places took place with supervision of a licensed professional engineer, in order to determine the extent of excavation without compromising the existing utility lines.Chris also indicated that PID monitoring was done while excavation and removal of contamination going on to identify air quality deterioration.I told Chris Almskog to take end point samples before backfilling, as I was told to do by RSE.I also asked about additional excavation near MW 1, most contaminated area on N 11th-Chris said that he would check it with A.B. Environmental and get back to DEC with written explanation from a P.E if additional excavation was not possible due to structural/utility issues.(sr)

07/03/08-Vought-Site visit by Vought as per DEC Austin. Site backfilled and crew onsite placing rebar for foundation and concrete pouring. No observable soil contamination via olfactory and visual however soil also was also very uncsolidated suggesting fresh backfill. No odors emanating from site. Noted beginning demolition of adjacent site at 320 Roebing.

08/28/08 Rec'd side walk excavation report from P.W. Grosser.Due to the presence of two high pressure gas main beneath the sidewalk,a KeySpan/National Grid rep was on site and provided guidance during all soil disturbances.Soil in the vicinity of MW 1, MW 4, MW 11, MW 12 were removed utilizing Guzzler Truck down to approx. one to two ft below the water table. Free floating product was also removed from the excavation area.Excavation limits were determined based on field observations and limitation imposed by onsite National Grid rep based on the buried gas main.On 06/23/08 excavation around MW 1 began and continued on 06/26/08 to the west of MW 1.Upon excavation of soil below ground water,LNAPL was observed and removed four times using a pump truck to skim the surface of the ground water.A 6" monitoring well was installed to the west the that area .Excavation near MW 12 was approx. 7X3' and 9ft deep, followed by 6" monitoring well installation.Excavation near MW 11 was 8X3' and near MW 4 was 5x2.5 ft.MW was installed after each excavation.Bi monthly monitoring of the wells will continue untill no measurable product is identified for three consecutive monitoring events in each individual wells.Product will be removed utilizing hand bailers and absorbent pads as needed.Quartely status report will be sent to DEC.(sr)

09/24/08 I was at the site this morning when P.W.Grosser rep monitoring the wells. MW-1 had 3" of free product.MW-7/MW-8 did not have any product in it. I left the scene while P.W. Grosser rep performing the measurerent of the other wells.(sr)

12/12/08 3rd quarterly report rece'd on 11/22/08.MW 15,RW-12, MW-1,MW-11 showed presence of free product(0.01ft-0.20ft). Product thickness decreased to some extent. I called PW Grosser and recommended to develop the wells for greater recovery of the product.

I also asked for recent data table for the well monitoring result.(sr)

** Next quarterly report will be available in February'09**

01/13/09 Rec'd email from P.W Grosser(Kris Almskog)indicating diminishing trend of free product in MW-1(0.01' on 01/09/09)and RW-12(0.08' on 01/09/09).A total of 13 gallons product has been removed this month.(sr)

02/26/09 Spoke with Kris Almskog and told him that aggressive recovery has to be performed at this point via developing wells and VEFR.Kris Almskog will talk to the property owner and let DEC know about his response.(sr)

05/07/09 Spoke with Issac Swartz and asked him to perform the product recovery in our presence by a health and safety trained crew and the waste has to be disposed properly.I also asked him to develop the well on order for better recovery of the product from wells.(sr)

08/04/09 P.W Grosser no longer represents 204 N 11th owner, and has not been doing any remediation work due to non payment. I spoke with Issac Swartz this morning and he told me that the bank(lender) may take over the property, in that case bank will be responsible to carry out the remedial activities. Mr Swartz will let us know about the bank's decision soon.(sr).

02/03/10 Mccaren Park Mews LLC owns the property now(Capital One Bank did not take over).Mr. Schwartz told me few days ago,P.W. Grosser will be rehired to continue the remedial works.Spoke with Kris Almskog(P.W. Grosser)this morning, P.W. sent a proposal to MacCaren Mews with scope of remedial work, waiting for approval.Left a messege for Mr. Schwartz asking the status of the proposal.(sr)

02/23/10 MW monitoring took place on 02/19/10 morning by P.W Grosser.(sr)

05/20/10 PW Grosser no longer representing McCarren Mews LLC. Left messege for Mr. Issac Swartz asking the status of the wells.Recent monitoring data from 04/02/10 showed RW-12(0.16 ft), MW-1(0.02 ft)product.(sr)

03/04/11 Rec'd monthly Well gauging and product recovery data for October 2010 to December 2010.During the fourth quarter of 2010, measurable product was found in wells MW-1, MW-8, MW-13, RW-11 and RW-12.Approx 5 gallons of product have been recovered during the fourth quarter of 2010.(sr)

Map Identification Number 24**COMMERCIAL PROPERTY**

454 DRIGGS AVE

BROOKLYN, NY

Spill Number: 0703695**Close Date:**

TT-Id: 520A-0038-156

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 885 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL	Spiller: DAVE YUDELSON - COMMERCIAL PROPERTY	Spiller Phone: (212) 421-2150
Notifier Type: Local Agency	Notifier Name:	Notifier Phone:
Caller Name:	Caller Agency:	Caller Phone:
DEC Investigator: vszhune	Contact for more spill info: DAVE YUDELSON	Contact Person Phone: (212) 421-2150

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Any Type of RP Including No RP - No DEC Field Response - Corrective Action by Spill Response Not Required

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
06/29/2007		UNKNOWN	NO		NO	

Material Spilled	Material Class	Quantity Spilled		Quantity Recovered		Resource(s) Affected
		Units		Units		
UNKNOWN MATERIAL	OTHER	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

RAPHAEL KATENI FROM DEC REGION 2 OBSEVED TANKS BEING REMOVED SEVERAL MONTHS AGO WITH NO PROBLEMS, RECENT SOIL SAMPLES SUGGEST CONTAMINATION: RAPHAEL KATENI WAS ADVISED ROUGHLY 1/2 HOUR AGO:

DEC Investigator Remarks:

6/29/07 - Raphael Ketani. The site is at the corner of 12 Street and Driggs Avenue in Brooklyn. It is a vacant lot that had 2 tanks in a vault. The tanks were pulled many months ago and contaminated soil was found. Otherwise, there are no other significant issues with the site.

The PBS registration is for 432 Driggs Avenue (one of the alternate addresses). The PBS is #2-282464. A 3000 gal. tank with #2 oil was closed in place on 12/1/69. (I had thought I saw 2 tanks during my site visit months ago.)

The site is block and lot 02291 and 0017. The owners are 432 Driggs Avenue Corp., 432 Driggs Avenue, Brklyn, 11211-1116. Other listed owners are Edward H. Freiburger, 9 Prospect Park West, Brklyn., 11215, and Gary R. Goldberg, 11 Woodlawn Avenue, Great Neck, NY, 11023.

The attorney for the owners is Dave Yudelson (212) 421-2150/cell (917) 295-6449 at Sive Paget & Riesel, P.C., 460 Park Avenue, NY, 10022-1906.

7/16/07 - Raphael Ketani. Mr. Yudelson called me. Soil samples were taken in the vault area and they came back with oil contamination. He said that the parking lot has the tank vault area amd it will be dug up, and end-point samples taken. I told him I wanted to see the site when everything is dug up and fresh soil is exposed. He said that there is a small building adjacent to the site and this will also be knocked down. He added that I will be called to see the site once the soil and building are removed.

10/2/07 - Raphael Ketani. I tried to contact Mr. Yudelson, but could only leave a message.

10/3/07 - Raphael Ketani. I received an e-mail from Mr. Yudelson stating that DEP just gave permission to do the digging and that he will let me know when they will start.

11/28/07 - Raphael Ketani. I tried to contact Mr. Yudelson, but could only leave a message.

Mr. Yudelson called me back. He said that they are waiting until they get all of the building plans before any work takes place. The documents have to be submitted to the City before anything can happen.

1/9/08 - Raphael Ketani. I tried to contact Mr. Yudelson at (212) 421-2150, but could only leave a message.

1/10/08 - Raphael Ketani. Mr. Yudelson sent me an e-mail that the owner is presently demolishing the building and will begin excavation in the next 3 weeks. He will let me know when the excavation starts.

4/8/08 - Raphael Ketani. I tried to contact Mr. Yudelson, but could only leave a voice mail on his cell (917) 295-6449.

4/17/08 - Raphael Ketani. Mr. Yudelson called. He said that excavation at the site will probably take place in 2 to 3 weeks. He said that getting the permits from the City was holding things up. The financing for the project will also come along in 2 to 3 weeks.

8/18/08 - Raphael Ketani. The case is being prepared for transfer due to a case realignment within the unit. The case manager needs to make followup calls to check on the progress of the investigation and remediation. The DEC needs to receive the investigation/remediation report and the revised PBS registration for two tanks.

Map Identification Number 25
 **169-175 NORTH 10TH STREET**
 169-175 NORTH 10TH STREET

BROOKLYN, NY

Spill Number: 0611495

Close Date:
 TT-Id: 520A-0048-057

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 886 feet to the NW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
 Notifier Type: Other
 Caller Name:
 DEC Investigator: rmpiper

Spiller: SHARRISSA
 Notifier Name:
 Caller Agency:
 Contact for more spill info: SHARRISSA

Spiller Phone: (212) 353-8280
 Notifier Phone:
 Caller Phone:
 Contact Person Phone: (212) 353-8280

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
01/16/2007		OTHER	NO		NO		
Material Spilled		Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL		PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

SOIL TESTING FOUND CONTAMINATION

DEC Investigator Remarks:

DEC Piper to investigate surce of cont.
 2/5/08- DEC Piper recieved addendum to RAP where a basement will now be constructed rather than slab on grade.

Map Identification Number 26

INSIDE MCCARREN POOL
 BAYARD AND LORIMER ST.

BROOKLYN, NY

Spill Number: 0907892

Close Date:
 TT-Id: 520A-0233-017

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING
 Approximate distance from property: 999 feet to the NE

ADDRESS CHANGE INFORMATION

Revised street: BAYARD ST / LORIMER ST
 Revised zip code: 11211

Source of Spill: COMMERCIAL/INDUSTRIAL
 Notifier Type: Local Agency
 Caller Name:
 DEC Investigator: vszhune

Spiller: UNKNOWN
 Notifier Name:
 Caller Agency:
 Contact for more spill info: CALLER

Spiller Phone:
 Notifier Phone:
 Caller Phone:
 Contact Person Phone:

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
10/13/2009		UNKNOWN	NO		NO		
Material Spilled		Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL		PETROLEUM	0	POUNDS	0	POUNDS	SOIL

Caller Remarks:

Soil borings determined soil and contamination. Remediation in progress.

DEC Investigator Remarks:

10/14/09-Zhune called Michelle Lortz from Westin Solutions (732)417-5821. Left a message

10/28/09- Michelle called and said the City of New York is renovating the pool located on Bayard and Lorimer St. Westin Solutions performed a Phase II. The report will be send next month.
Project Manager Barry Schaartc 718-391-1333 with New York City Department of design and Construction.

11/13/09-Zhune spoke to Barry from DDC. He said Westin Solution is one of their contractor. They are doing Environmental soil Investigation(Phase II) at this site. The NYSParks owns this site. They want to rivise the use of the pool in the property. Westin Solution found mild contamination around the UST Tank. The report will be sent in 3 weeks.

Map Identification Number 27



G&A AUTO REPAIR
291 METROPOLITAN AVE

BROOKLYN, NY

Spill Number: 0607903

Close Date:
TT-Id: 520A-0038-230

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1586 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: Other
Caller Name:
DEC Investigator: RVKETANI

Spiller: CHRIS TOMASELLO - G&A AUTO REPAIR
Notifier Name:
Caller Agency:
Contact for more spill info: CHRIS TOMASELLO

Spiller Phone: (516) 233-7944 ext. C
Notifier Phone:
Caller Phone:
Contact Person Phone: (516) 233-7944 ext. C

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.
Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
10/11/2006		UNKNOWN	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL, GROUNDWATER

GASOLINE	PETROLEUM	0	GALLONS	0	GALLONS	SOIL, GROUNDWATER
MTBE (METHYL-TERT-BUTYL ETHER)	HAZARDOUS MATERIAL	0	UNKNOWN	0	UNKNOWN	
BTEX	OXYGENATES	0	UNKNOWN	0	UNKNOWN	

Caller Remarks:

not yet cleaned

DEC Investigator Remarks:

Phase 2 - soil samples have contamination in it - Owner wants to move this to brownfields.

7/23/07 - Raphael Ketani. I have heard nothing in a long time regarding this site as to whether it is part of the voluntary cleanup program (VCP). So I talked to Jocelyn Shapiro, EG I of unit A of DER Region 2, as she is involved in some VCP projects. She said it wasn't her site and directed me to Jane O'Connell or the unit head, Dan Walsh, EG III. I spoke to Mr. Walsh. He said that there was a pre-application meeting in January 2007, but nothing else happened. I looked for the site in the DER database and found nothing. Therefore, I am going to start the process of investigating this site as a spill location and I will send out a CSL.

The block and lot are: 02353 and 0013. The main address is 291 Metropolitan Avenue. The alternate addresses are: 146 Roebling Street and 206 to 212 North 4th Street.

The site has two PBS records, #2-145726 and #2-455083. #2-145726 is a closed case with the name as Arvy Service Station Inc./Getty. Six 550 gas tanks are listed as administratively closed on 4/1/95. #2-455083 is active with the name G&A Auto Repair. One 250 waste oil tank is in service with the other six gas tanks listed as closed in place.

There are two owners: C&H Holding Corp., 1394 Third Avenue, NY, 10021; 291 Metropolitan Avenue, LLC, 861 Manhattan Avenue, Suite 14, Brooklyn, NY, 11222.

I sent out the CSLs to both owners.

7/26/07 - Raphael Ketani. Eva Krocka of Minnow Associates (291 Metropolitan Avenue, LLC) called to say that the site is part of the brownfield program. I told her that the DEC doesn't have anything confirming this and that their site does not appear in the DEC Remediation database. She said that Advanced Site Restoration Co. (212) 809-1110 was remediating the site and was supposed to take care of everything. She said that DEC was sent reports. I told her that we have nothing in our files regarding the site. She said she will get back to me.

A new search of the Remediation database revealed that 291 Metropolitan Avenue has made an application to be part of the BCP. The case number is C224124. The case manager is Sondra Martinkat of DER Region 2 Unit A. I spoke to her and she said that the site is not yet approved for the BCP, but she expected them to be so very soon. She said that she was willing to accept the spill case.

I spoke to Randall Austin, Chief of the Spills Unit, and he told me to change the case manager to Ms. Martinkat. I changed the case manager to her name.

8/5/09: BCP termination letter sent by OGC (D. Tuohy) - see eDocs. Management of site reverts back to Region 2 spills. Transferred to R. Ketani. (JHO)

8/6/09 - Raphael Ketani. I was assigned the spill case yesterday. So I talked to the former case manager, Brian (York) Wong from Unit A of Region 2 DER. He said that he was waiting for the project to be accepted into the BCP, but this never happened as the corporation fell apart. He said that no cleanup or development has taken place regarding the case since 2007.

I made an unannounced site visit and took several pictures (see E-docs). The site consists of a service station. There is an old, small, three story walk up apartment building to the west of the service station. The service station has a sign that displays G&A Auto Diagnostic Center (718) 486-3700. The apartment building is the other property that the corporation had owned. I met a person who worked at the service station. He said that a waste oil UST and the gas USTs were closed in place with cement. He showed me the many cement filled boring locations that are on site. He said that there were no problems. I asked him who he was, but he just said that he was someone who works here. However, he did say that C&H owned the site. After this I left.

8/7/09 - Raphael Ketani. I tried to contact Chris Tomasello of ASR (212) 809-1110 regarding the site and its ownership, but could only leave a message.

I reviewed the October 2006 ISR. The elevation of the site is at 23' above mean sea level. Groundwater was encountered at a depth of 17' to 20' below grade. However, Section 9 of the ISR states that groundwater is 9' to 10' below grade. Groundwater flow direction is unknown. There is a school directly across the street to the northeast. Soil contamination that exceeds TAGM was present at SB-5 at 10' to 16.' Groundwater contamination with high exceedences was found at SB-2 and SB-3.

There is also a page with case manager notes that refer to wells marked AOC and TW, but there are no diagrams depicting these wells in the case file.

8/10/09 - Raphael Ketani. Mr. Tomasello returned my call. He talked about the site. He mentioned that the partnership broke up and the property was sold about a year ago. The former owner was Robert Vigorito of C&H Holding Corp., 1394 Third Avenue, NY, 10021. Mr. Tomasello has had no contact with the former or present owners since then.

I looked up the property ownership on Property Shark and on ACRIS. The property was sold on 9/6/09 or 9/15/09, respectively. The new owner is: 291 Metropolitan Avenue, LLC, 861 Manhattan Avenue, Suite 14, Brooklyn, NY, 11222.

I wrote a revised CSL for the sole owner, 291 Metropolitan Avenue, LLC, and sent it out with a green return card.

9/10/09 - Raphael Ketani. The deadline for a response to the CSL was today and there has been no response from the owners of the site. I have not received the green return card, either. I will wait until 9/17/09 before sending a more strongly worded letter to the owners.

9/14/09 - Raphael Ketani. The CSL came back unopened and marked Unclaimed/Unable to Forward on the envelope.

I checked PBS record #2-455083 for any contact information. The record showed the name Ismael Cisneros, Jr. (718) 384-4141. I spoke to Mr. Cisneros. He said that the owner had moved to Manhattan. I asked him who the owner was. He didn't want to say. However, he said that if I sent a letter directly to the service station, then he will forward it to the owners. I told him that I will do this.

I resent the CSL to G&A Auto Repair, 291 Metropolitan Avenue, Brklyn, 11211 by regular mail and by green return card. However, according to the property database ACRIS, 291 Metropolitan Avenue LLC at 861 Manhattan Avenue is still listed as the owner.

9/21/09 - Raphael Ketani. I received the green return receipt card signed by Mendes.

10/29/09 - Raphael Ketani. The owners of the site failed to respond to the CSL by the deadline of October 14, 2009. So I drafted a strongly worded letter stating that the DEC will take legal action if the investigation plan is not received by November 13, 2009. The draft letter was submitted to Randall Austin, Chief of the Spills Unit, for his approval.

11/2/09 - Raphael Ketani. I spoke to Mr. Austin about the case and the letter that I wanted to send. He said that I should submit a Case Initiation Package.

11/3/09 - Raphael Ketani. I put together the Case Initiation Package and submitted it to Mr. Austin for his signature.

Mr. Austin signed the CIP and it was hand delivered to the legal department.

4/26/10 - Raphael Ketani. John Urda, Assistant Regional Attorney for Region 2 of DEC, sent Jerrietta Hollinger, a principal of 291 Metropolitan LLC, a STIP agreement today by e-mail.

Her address is:

Jerrietta R. Hollinger, Esq.
Ganz & Hollinger
1394 Third Avenue
New York, New York 10075

Ms. Hollinger responded back by e-mail that she will submit the document to her members and get back to Mr. Urda in a week.

5/13/10 - Raphael Ketani. Ms. Hollinger sent the following e-mail to Mr. Urda:

I expect to review the Stip with Mr. Cisneros
next Tues. I am out of office tomorrow and Monday and will contact you
by middle of next week.

5/20/10 - Raphael Ketani. Ms. Hollinger requested a change in the STIP package CAP that was sent to her by Mr. Urda. She wanted the deadline for submission of the Remedial Investigation Work Plan changed from 15 days to 30 days (paragraph one). Mr. Urda agreed to the change and sent her a STIP with a CAP wherein the owners have 30 days to submit the RIWP (see E-docs).

5/24/10 - Raphael Ketani. The owners of the site signed the STIP.

5/25/10 - Raphael Ketani. The Region 2 director signed the STIP and, thus, it was fully executed and in effect (see E-docs).

7/14/10 - Raphael Ketani. To date, the owners of the site have not submitted the RIWP. The deadline was June 25, 2010.

I drafted a letter to Ms. Hollinger for the review of John Urda of the Office of General Counsel. Mr. Urda reviewed the letter and it was sent out today.

7/15/10 - Raphael Ketani. Ms. Hollinger called me today. She said that P.W. Grosser (the consulting company) is supposed to get back the groundwater analytical data for the site. They will send the DEC a report soon.

7/27/10 - Raphael Ketani. Ms. Hollinger called today. She said that Mr. Wenskus of P.W. Grosser is working on the analytical report for DEC and should submit it in the very near future. The report will state that the soil is alright, but that the groundwater is contaminated. I told Ms. Hollinger that, at the very least, the groundwater contamination needs to be delineated.

8/3/10 - Raphael Ketani. I reviewed the July 30, 2010 P.W. Grosser Phase II ESA report. The scope of the work was based on P.W. Grosser's 6/21/10 proposal and Advanced Site Restoration's October 2006 ISR. The tanks have fuel oil, waste oil, and gasoline. In October 2006, the site was operated only as a car repair shop. Groundwater is at about 18' to 20' below grade and flows north-northwest. ASR found contamination in soil borings at SB-1, 3, 5, and 6. There were also elevated levels of arsenic, cadmium and lead at SB-1. There was elevated groundwater contamination at SB-2 and SB-3. There had been no subsequent investigations or remedial efforts since ASR's 2006 investigation. P.W. Grosser did a Phase II in July 2010. The locations of SB-1, 3, 5, and 6 were utilized for this investigation. P.W. Grosser took soil samples to 20' below grade. Groundwater was sampled from SB-1 to SB-3. The soil results for VOCs and SVOCs were below TAGM RSCOs. Arsenic, cadmium, and lead were below the RSCOs. However, mercury was above its respective RSCO. The groundwater results from SB-6 (downgradient) were completely non-detect. However, there was 22 ppb of naphthalene at SB-3 and 392 ppb of naphthalene at SB-2, with several other low exceedences. MTBE was 421 ppb at SB-1 and 1370 ppb at SB-3. SB-2 had 112,000 ppb of MTBE and 6 other VOC exceedences above 1,000 ppb. P.W. Grosser recommends removing the tanks and quarterly monitoring.

I sent an e-mail to Mr. Wenskus (631) 589-6353 with the following questions and comments:

- 1) why wasn't a boring done in the vicinity of the fuel oil tank to the northwest?
- 2) is the fuel oil tank a UST or an AST?
- 3) was staining observed in the vicinity of the fuel oil tank?
- 4) why wasn't a boring conducted directly to the northwest of the gasoline tanks?
- 5) why weren't borings conducted next to the waste oil tank?

The DEC concurs with the removal of the gas and oil tanks. Groundwater should be collected from SB-2 in order to reduce the MTBE concentration at this location.

8/6/10 - Raphael Ketani. Mr. Wenskus responded back by e-mail today:

1) Due to the presence of debris in the area, PWGC was unable to access the immediate vicinity of the fuel oil tank. During the inspection, PWGC did not see evidence of an AST in the area of the fuel oil tank as identified on the figure. Additionally, PWGC utilized the figure that was provided in the 2006 ASR Phase II for approximate locations of borings and other site conditions.

2) This is unknown at this time; however, according to the ASR report, the fuel oil tank is a UST. As stated above, there was no evidence of an AST in that vicinity. PWGC will contact the property owner to confirm the presence of the fuel oil tank.

3) No staining was observed in the area where the fuel oil tank is reportedly located.

4) As stated above, Mr. Cisneros wanted to confirm the findings of the 2006 Phase II and requested that only the impacted borings from that Phase II be re-sampled.

5) The exact location of the Waste oil UST was unknown and PWGC placed the boring SB-1 in the vicinity of the former boring. The location of SB-1 in the PWGC site plan; however, is incorrect. In addition, the tank locations on our site plan are approximate, based upon the ASR Phase II site plan. The site plan will be corrected to show the correct location of boring SB-1.

I responded back and stated that the DEC still wants a boring performed to the northwest of the gas USTs, next to the waste oil tank, and next to the fuel oil UST to the northwest. Also, P.W. Grosser must submit a site plan which is to scale and which shows the actual location of all appertenances, tanks and pump islands.

Mr. Wenskus replied back that the borings will be performed.

8/12/10 - Raphael Ketani. Mr. Wenskus sent me an e-mail that he informed the owners about DEC's request for additional investigative work. However, he has not heard back from them.

8/18/10 - Raphael Ketani. Mr. Wenskus sent me an e-mail that the drilling for the three additional borings will take place on 8/24/10.

9/27/10 - Raphael Ketani. I received the Supplemental Phase II Environmental Site Assessment report dated 9/22/10 from P.W. Grosser. I began my review.

9/28/10 - Raphael Ketani. I finished my review of the Supp. Phase II. There was no soil contamination above TAGM standards. However, groundwater was found to be impacted. LNAPL was found near the waste oil tank and oil based liquids in the tank. Concentrations of total VOCs were detected up to 128,988 ppb in the immediate vicinity of the gas USTs. SB-2 was the most contaminated groundwater location. SB-3 had elevated groundwater contamination. P.W. Grosser recommends the following:

- proper closure of the gas and waste oil USTs
- removal and disposal of all impacted soil
- injection of oxidants to breakdown the contamination
- collection of end point samples
- installation of groundwater wells
- removal of LNAPL
- quarterly groundwater monitoring

I sent an e-mail to Mr. Wenskus asking him to proceed with the remediation as soon as possible.

11/19/10 - Raphael Ketani. Mr. Wenskus sent the November 2010 Remedial Action Plan by e-mail. I reviewed the plan and it formalized and expanded the remediation plan that was initially described in the Supplemental Phase II. The RAP looked fine, but they weren't planning to install a monitoring well downgradient of the waste oil UST. So I let Mr. Wenskus know that the DEC wanted a well installed in this location and to submit a revised site map showing this well.

Mr. Wenskus responded back that a well will be installed downgradient of the waste oil UST.

2/25/11 - Raphael Ketani. I spoke to Mr. Wenskus (631) 589-6353 and asked him about progress on the site. He said that the owners had received P.W. Grosser's proposal. They told him that they needed to secure funding for the project. However, that was back a couple of months ago. Mr. Wenskus hasn't heard anything since. I asked Mr. Wenskus to contact the owners anyway and to try and find out what is happening.

Ms. Hollinger sent me an e-mail asking whether there was any type of funding that could be obtained for doing the additional work. I wrote that there wasn't and to commence the work immediately.

3/2/11 - Raphael Ketani. Today I received the January 27, 2011 investigation and remediation work proposal and cost estimate from Mr. Wenskus at P. W. Grosser. I reviewed the proposal and it seemed to cover the work that the DEC had asked to be performed. I spoke to Mr. Wenskus (631) 589-6353 and told him that the DEC found the proposal to be acceptable. I asked him whether he had heard from Ms. Hollinger. He said that he hadn't. I told him to call her and to let her know that the DEC is concerned that no progress is being made. He said that he will.

3/3/11 - Raphael Ketani. Mr. Wenskus sent Ms. Hollinger an e-mail (with me as a "c-c") stating that the DEC had the approved work plan. He also wrote in the e-mail that P.W. Grosser was ready to go to work on the site as soon as a retainer is submitted.

3/7/11 - Raphael Ketani. Mr. Wenskus said that he hasn't received approval yet to start the work.

4/5/11 - Raphael Ketani. I received an e-mail today from Mr. Wenskus as a "c-c." In the e-mail, Mr. Wenskus stated that he hasn't heard from Ismael Cisneros, Jr. in two weeks.

In response, I sent an e-mail to Mr. Urda of DEC Region 2 stating that it appears as if work at the site has come to a standstill for this spill.

4/22/11 - Raphael Ketani. Mr. Wenskus sent an e-mail to M I Mechanical requesting a startup date for the work at the site. Ms. Hollinger responded back by e-mail that Mr. Cisneros was out of town, but would be back next week. Once he is back, Ms. Hollinger wrote, Mr. Cisneros will set up a starting date.

4/27/11 - Raphael Ketani. I sent an e-mail to Ms. Hollinger asking whether Mr. Cisneros had returned and whether a starting date had been picked.

5/17/11 - Raphael Ketani. Mr. Wenskus sent me an e-mail that the work will re-start during either later June or early July 2011.

6/6/11 - Raphael Ketani. Mr. Wenskus sent me an e-mail that work will resume at the site on July 18.

7/7/11 - Raphael Ketani. Mr. Wenskus (631) 589-6353 sent me an e-mail that work will start on July 18. He expects the work to take 2 weeks.

7/14/11 - Raphael Ketani. Jerry Hickson of G. Construction Enterprises (631) 206-3700 ext 100 called. His company will be pulling 7 tanks on either teusday or wednesday. They will remove 3 gas tanks, 3 diesel tanks, and 1 waste oil tank.

7/20/11 - Raphael Ketani. I received the following e-mail today from Mr. Wenskus:

The implementation of the approved RAP began today. The site activities today included the following:

- Expose the seven onsite 550-gallon tanks to determine their current condition,
- Assess the tanks to determine their contents (each contained oily water)
- Pump the tanks out - approximately 2,200 gallons removed
- Each tank, with the exception of the waste oil tank was encased in concrete.
- No tanks were removed from the ground today; excavation of the tanks will continue tomorrow.

Map Identification Number 28	AINSLIE ST SUBST TR # 3		Spill Number: 0406787	Close Date:
Site location mapped by: PARCEL MAPPING (4)	34-50 AINSLIE STREET	BROOKLYN, NY		TT-Id: 520A-0043-884
Approximate distance from property: 1644 feet to the S		ADDRESS CHANGE INFORMATION		
		Revised street: NO CHANGE		
		Revised zip code: NO CHANGE		
Source of Spill: RAILROAD CAR	Spiller: ERT DESK - CON EDISON	Spiller Phone: (212) 580-8383		
Notifier Type: Responsible Party	Notifier Name: PAUL DEDONOTO	Notifier Phone: (212) 580-6764		
Caller Name: PAUL DEDONOTO	Caller Agency: CONED	Caller Phone: (212) 580-6764		
DEC Investigator: JMOCONNE	Contact for more spill info: ERT DESK	Contact Person Phone: (212) 580-8383		

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
09/20/2004		UNKNOWN	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	UNKNOWN	0	UNKNOWN	SOIL
UNKNOWN PETROLEUM	PETROLEUM	0	POUNDS	0	POUNDS	SOIL

Caller Remarks:

ON 500 GALLONS OF WATER: CLEAN UP PENDING LAB RESULTS AND NO TO 5 QUESTIONS: CONED # 155449

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
DEC Inspector notes:

9/21/04: Met with Ron Cosentino. This is an old substation - built by Transit Authority circa 1890; sold to Con Ed circa 1930; decommissioned in 1995. There are 4 transformers inside concrete vaults, all located inside the building. The vaults are in the basement of the building, and there are large steel doors from the vaults out to the sidewalk on Ainslie Street. All 4 transformers were drained in 1995. PCB concentrations of residual oil in the transformers was all 10 ppm or less, however all were most likely retro-filled at some point in the recent past (though the company has no records of retro-fills).

Following heavy rain 2 weeks ago, water was found in vault #4 with approx 1 pint of oil. Oil tested 66 ppm PCB. This week, following additional heavy rain, oil was also found in vaults 2 & 3 on top of water. PCB concentrations = 168 ppm (vault 2) and 2832 ppm (vault 3). A duplicate sample was collected from vault 3 today to verify PCB results.

There is a heavy influx of groundwater in the western portion of the basement (outside the vaults). The water coming in appears crystal clear. There are at least 3 sump pits outside the vaults, but none of the pumps are connected. The water in the vaults could be groundwater or could be overflow from street flooding coming in through steel doors (bottom of doors is approx. 6 inches above sidewalk grade). I suspect the oil is residual from old leaks that is trapped beneath the transformers and is being picked up by water.

Clean Harbors is on site with crews to power-wash the vaults. Told Ron Cosentino to have vaults checked on Thursday or Friday (after clean up is complete but before next expected rain event) to see if water re-appears to give indication if water is from rain or groundwater infiltration.

See also spill #s 0406630 and 0406635. (JHO)

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e2mis no. 155449:

ON LOCATION FOR RETIREMENT OF TRANSFORMERS IN AINSLIE ST SUBSTATION AND DUE TO RAIN HE WAS INSPECTING VAULT #3 AND FOUND APPROX. 1/2 GAL. UNKNOWN OIL ON APPROX. 500 GAL WATER. CLEANUP PENDING PCB RESULTS FROM CHEM LAB.

NOTE: THERE ARE FOUR TRANSFORMERS IN THIS DECOMMISSIONED SUBSTATION, WITH E2MIS INCIDENTS FOR VAULT #2 (155289, 66 PPM & 155400, 5 PPM) AND VAULT # 4 (155403, 168 PPM). AS PER AN UPDATE ON E2MIS INCIDENT 155289, EQUIP. GROUP REPORTED ON 9/10/04 THAT ALL FOUR VAULTS ARE INTER-CONNECTED, THEREFORE ALL WILL BE CLEANED AS 50-499 PPM.

AS PER UPDATE ON INCIDENT 155400 [DEC spill # 0406630] FROM EQUIP. GROUP, CLEANUP WILL BE SUPERVISED BY EQUIPMENT GROUP AND CLEANUP PERSONNEL PROVIDED BY CLEAN HARBORS. LIQUIDS TO BE REMOVED WITH CON ED "OVER 50" TANKER AND SOLIDS TO BE BARRELLED AND BROUGHT BACK TO ASTORIA.

UPDATE 20-SEP-2004 HRS

CHEMIST J. HENDRIX CONTACTED THE CONTROL DESK WITH A "PRELIMINARY" PCB COUNT OF >500 PPM PCB.

**Map Identification Number 29** **AINSLIE ST SUBST TR # 4**  
 34-50 AINSLIE STREET

BROOKLYN, NY

**Spill Number: 0406635**

**Close Date:**  
 TT-Id: 520A-0043-883

**MAP LOCATION INFORMATION**

Site location mapped by: PARCEL MAPPING (4)  
 Approximate distance from property: 1644 feet to the S

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

|                                  |                                       |                                      |
|----------------------------------|---------------------------------------|--------------------------------------|
| Source of Spill: UNKNOWN         | Spiller: ERT DESK - CON ED            | Spiller Phone: (212) 580-8383        |
| Notifier Type: Responsible Party | Notifier Name: ANDREW MORRISON        | Notifier Phone: (212) 580-6763       |
| Caller Name: ANDREW MORRISON     | Caller Agency: CONED                  | Caller Phone: (212) 580-6763         |
| DEC Investigator: JMOCONNE       | Contact for more spill info: ERT DESK | Contact Person Phone: (212) 580-8383 |

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.  
 Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |  | Penalty Recommended |  |
|------------|---------------------|----------------|-------------------------|--|---------------------|--|
| 09/16/2004 |                     | UNKNOWN        | NO                      |  | NO                  |  |

| Material Spilled  | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|-------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| UNKNOWN PETROLEUM | PETROLEUM      | 0                | UNKNOWN | 0                  | UNKNOWN | SOIL                 |
| UNKNOWN PETROLEUM | PETROLEUM      | 0                | POUNDS  | 0                  | POUNDS  | SOIL                 |

**Caller Remarks:**

1 PINT OIL LEAKED: CONED # 155403: CLEAN UP PENDING REMOVAL OF TRANSFORMER:

**DEC Investigator Remarks:**

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "O'CONNELL"  
 DEC Inspector notes:

9/21/04 Met with Ron Cosentino. This is an old substation - built by Transit Authority circa 1890; sold to Con Ed circa 1930; decommissioned in 1995. There are 4 transformers inside concrete vaults, all located inside the building. The vaults are in the basement of the building, and there are large steel doors from the vaults out to the sidewalk on Ainslie Street. All 4 transformers were drained in 1995. PCB concentrations of residual oil in the transformers was all 10 ppm or less, however all were most likely retro-filled at some point in the recent past (though the company has no records of retro-fills).

Following heavy rain 2 weeks ago, water was found in vault #4 with approx 1 pint of oil. Oil tested 66 ppm PCB. This week, following additional heavy rain, oil was also found in vaults 2 & 3 on top of water. PCB concentrations = 168 ppm (vault 2) and 2832 ppm (vault 3). A duplicate sample was collected from vault 3 today to verify PCB results.

There is a heavy influx of groundwater in the western portion of the basement (outside the vaults). The water coming in appears crystal clear. There are at least 3 sump pits outside the vaults, but none of the pumps are connected. The water in the vaults could be groundwater or could be overflow from street flooding coming in through steel doors (bottom of doors is approx. 6 inches above sidewalk grade). I suspect the oil is residual from old leaks that is trapped beneath the transformers and is being picked up by water.

Clean Harbors is on site with crews to power-wash the vaults. Told Ron Cosentino to have vaults checked on Thursday or Friday (after clean up is complete but before next expected rain event) to see if water re-appears to give indication if water is from rain or groundwater infiltration.

See also spill #s 0406630 and 0406787. (JHO)

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e2mis no. 155403:

APPX 1 PT OF UNKNOWN OIL, NO WATER IN VAULT NO. 4. THIS IS A SECOND INCIDENT INVOLVING THIS VAULT. THE INITIAL INCIDENT IS NO. 155289, 9/10/04, [NYSDEC spill # 0406371] THE LAB RESULTS AT THAT TIME WERE 66PPM. THEREFORE, THEY ARE TREATING THIS AS A 50-499 PPM CLEANUP.

9/16/04 12:35 HRS

THIS INCIDENT WILL REMAIN OPEN TILL THE TRANSFORMER IS REMOVED.

Map Identification Number 30	AINSLIE ST SUBST TR # 2		Spill Number: 0406630	Close Date:
	34-50 AINSLIE STREET	BROOKLYN, NY		TT-Id: 520A-0043-882
MAP LOCATION INFORMATION		ADDRESS CHANGE INFORMATION		
Site location mapped by: PARCEL MAPPING (4)		Revised street: NO CHANGE		
Approximate distance from property: 1644 feet to the S		Revised zip code: NO CHANGE		
Source of Spill: RAILROAD CAR		Spiller: ERT DESK - CON ED	Spiller Phone: (212) 580-8383	
Notifier Type: Responsible Party		Notifier Name: TOM MARCINEK	Notifier Phone: (212) 580-6763	
Caller Name: TOM MARCINEK		Caller Agency: CON ED	Caller Phone: (212) 580-6763	
DEC Investigator: JMOCONNIE		Contact for more spill info: ERT DESK	Contact Person Phone: (212) 580-8383	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
09/16/2004		UNKNOWN	NO		NO		
Material Spilled		Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM		PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

ON 200 GALLONS OF WATER: NO TO 5 QUESTIONS: NOT SURE WHEN IT WILL BE CLEANED UP DUE TO AGE; CONED # 155400

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"

9/21/04 Met with Ron Cosentino. This is an old substation - built by Transit Authority circa 1890; sold to Con Ed circa 1930; decommissioned in 1995. There are 4 transformers inside concrete vaults, all located inside the building. The vaults are in the basement of the building, and there are large steel doors from the vaults out to the sidewalk on Ainslie Street. All 4 transformers were drained in 1995. PCB concentrations of residual oil in the transformers was all 10 ppm or less, however all were most likely retro-filled at some point in the recent past (though the company has no records of retro-fills).

Following heavy rain 2 weeks ago, water was found in vault #4 with approx 1 pint of oil. Oil tested 66 ppm PCB. This week, following additional heavy rain, oil was also found in vaults 2 & 3 on top of water. PCB concentrations = 168 ppm (vault 2) and 2832 ppm (vault 3). A duplicate sample was collected from vault 3 today to verify PCB results.

There is a heavy influx of groundwater in the western portion of the basement (outside the vaults). The water coming in appears crystal clear. There are at least 3 sump pits outside the vaults, but none of the pumps are connected. The water in the vaults could be groundwater or could be overflow from street flooding coming in through steel doors (bottom of doors is approx. 6 inches above sidewalk grade). I suspect the oil is residual from old leaks that is trapped beneath the transformers and is being picked up by water.

Clean Harbors is on site with crews to power-wash the vaults. Told Ron Cosentino to have vaults checked on Thursday or Friday (after clean up is complete but before next expected rain event) to see if water re-appears to give indication if water is from rain or groundwater infiltration.

See also spill #s 0406635, 0406787 and 9501140 (Transformer #4). (JHO)

THIS INCIDENT WILL REMAIN OPEN TILL THE TRANSFORMERS ARE REMOVED AND INVESTIGATION/CLEANUP CAN BE DONE.

Map Identification Number 31 **APARTMENT BUILDING**
 73 NORTH 8TH STREET

BROOKLYN, NY

Spill Number: 9614852

Close Date:
 TT-Id: 520A-0048-955

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
 Approximate distance from property: 2230 feet to the WNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING
 Notifier Type: Affected Persons
 Caller Name: ALEXANDRA JABLONSKYJ
 DEC Investigator: ADZHITOM

Spiller: ALL KIND QUILTS
 Notifier Name: ALEXANDRA JABLONSKYJ
 Caller Agency: HOMEOWNER
 Contact for more spill info: ALEXANDRA JABLONSKYJ

Spiller Phone:
 Notifier Phone: (718) 782-3109
 Caller Phone: (718) 782-3109
 Contact Person Phone: (718) 782-3109

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
03/25/1997		UNKNOWN	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

FACTORY NEXT DOOR TO APARTMENT BUILDING IS LEAKING OIL INTO THE GROUND WHICH IS SEEPING INTO THE WALLS OF THE BASEMENT OF THE APARTMENT BUILDING FIRE DEPT WAS ON THE SCENE AND TICKETED

FACTORY OWNER UNKNOWN WHEN AND WHAT TYPE OF CLEAN UP WILL TAKE PLACE CALLER REQ CALL FROM DEC

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ZHITOMIRSKY/TIBBE"
 1810 - The pipe was ruptured. The pipe is located in the basement of 13 North 8th Street.
 See also spill #9013128.

Map Identification Number 32 **COMMERCIAL PROPERTY (FORMER SHELL GAS STA)** **Spill Number: 1103309** **Close Date:**
 351 SO FIRST ST & 456 GRAND ST (SAME LOCATION) BROOKLYN, NY TT-Id: 520A-0263-394

MAP LOCATION INFORMATION
 Site location mapped by: PARCEL MAPPING (3)
 Approximate distance from property: 2286 feet to the S

ADDRESS CHANGE INFORMATION
 Revised street: 351 S 1ST ST
 Revised zip code: UNKNOWN

Source of Spill: GASOLINE STATION Spiller: SOVEREIGN CONSULTING - COMMERCIAL PROPERTY (Spiller Phone:
 Notifier Type: Other Notifier Name: Notifier Phone:
 Caller Name: Caller Agency: Caller Phone:
 DEC Investigator: HRAHMED Contact for more spill info: SOVEREIGN CONSULTING Contact Person Phone: (631) 753-8380

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/23/2011		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	0	UNKNOWN	0	UNKNOWN	SOIL

Caller Remarks:

Gas impacted soil found as result of field screening tests. Location is in the Brownsfield Cleanup Program. Cleanup pending.

DEC Investigator Remarks:

6/29/11-HRAHMED-Spoke to Shaminder Singh (212 442 3007) at Mayor's office Brownfield Program. He will ask the contractor send me a site plan showing the location of the spill and summery of the work plan that they submitted to Mayor's office.

Map Identification Number 33 **SYLVAN EQUIPMENT** **Spill Number: 9906462** **Close Date:**
 91 NORTH 12TH ST BROOKLYN, NY TT-Id: 520A-0051-125

MAP LOCATION INFORMATION
 Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 2306 feet to the NNW

ADDRESS CHANGE INFORMATION
 Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL	Spiller: UNKNOWN - UNKNOWN	Spiller Phone:
Notifier Type: Other	Notifier Name: MILIND PRADHAN	Notifier Phone: (614) 888-4953
Caller Name: MILIND PRADHAN	Caller Agency: MALCOLM PIRNIE	Caller Phone: (614) 888-4953
DEC Investigator: HRPATEL	Contact for more spill info: UNK	Contact Person Phone: (718) 387-4872

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.
 Class: Unable or Unwilling RP - DEC Field Response - DEC Corrective Action Required

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
07/15/1999		UNKNOWN	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

HISTORICAL SPILL-FLOATING PRODUCT ON GROUND WATER-SPILL WILL CONTINUE TO BE INVESTIGATED.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ROMMEL"

9/3/99 - Environmental firm was hired by company which is buying the on site company and leasing the land.

Environmental firm did a phase 1 & phase 2 assessment with several wells and borings. Found floating product and contamination.

SS told them to delineate the site, submit a profile of what is there now and a proposal of what will be done to clean it up.

They asked about DEC going after a former owner, SS said no, DEC holds present owner responsible.

Envir. firm will submit such a report "soon"

2/18/2000 Sangesland called Mr. Pradhan at Malcolm Pirnie (614-888-4953). Left a voice mail to ask whatever happened to the report DEC asked for in Sept.99

Report should include:

- 1) Delineate the site
- 2) Outline what is on the property now and what will be built
- 3) Identify how the product will be remediated.

ALSO SEE SPILL # 0003390

4/12/04-Vought-Spill transferred from Sangesland to Rommel as per Rommel.

1/11/2006 - Haggerty - Malcolm Pirnie did Phase I,II site assessments to determine if this property was a candidate for development. After discovering free-floating product on groundwater, the decision was made not to develop this property. As far as I know, no additional investigation or remediation was done on site.

I have made every attempt to locate responsible party with no luck

I am requesting a site visit

Alternate addresses 70-72 Wythe Ave

91-101 N 12 St

82 N 13 St

58 Wythe Ave

92 N 13 St

I believe this property is located at the intersection of North 13th and Wythe Ave

Region 2 rep visited the site, but could not get inside to inspect.

Site is rented to "Nations Rent" - Oscar Parker salesman - 718-387-4872

Posted sign showed two different property managers:

Segal Realty Group LLC 718-388-9000

M.C. O'Brien Inc. 718-252-9191

Albany review (above) - jcrathw

1/29/07 - Austin - Transferred from Albany assignment to Patel in R-2 office for further work - end

03/09/07-Hiralkumar Patel. left message for Bill Blaker (718-387-4872), tenant (Nations Rent) at site.

03/14/07-Hiralkumar Patel. spoke with Mr. Blaker. he gave Mr. Prigozen's number (718-366-7930). spoke with Sage Prigozen. he will ask his father, who is owner of property, to call.

received message from Mr. Prigozen (Cell: 917-750-4112), property owner.

03/16/07-Hiralkumar Patel. spoke with Mr. Prigozen, property owner. currently he is living in Florida. as per him, they found this contamination during tank removal and has all paperwork in storage in NY. he will submit these paper once he comes to NY in June 07.

Elliot Prigozen

3400 Pen American Drive

Miami, Florida 33133

Ph. (917) 750-4112 (C)

Fax (305) 860-6699

email: elliotp@bobcatzone.com

06/14/07-Hiralkumar Patel. tried cell number for Elliot, but no success. left message for Elliot's son.

06/15/07-Hiralkumar Patel. left message for Elliot's son.

06/18/07-Hiralkumar Patel. received call from Elliot Prigozen. he searched for records and found some reports on tank removals. asked him to send copy of those reports. Mr. Prigozen will be back in city after 10 days and will send copies at that time.

PBS #: 2-091030. as per PBS record, site had following tanks:

1. two 1,500 gal Lube Oil UST, closed and removed in July 2000
2. one 1,500 gal gasoline UST, closed and removed in July 2000
3. four 550 gal diesel USTs, closed and removed in Dec. 1998
4. one 1,000 gal diesel AST, closed and removed in Apr. 2002
5. one 550 gal gasoline UST, closed-in-place in June 1989
6. one 550 gal diesel UST, closed-in-place
7. one 1,100 gal gasoline UST, closed-in-place

total 11 tanks were on-site.

sent letter to Mr. Prigozen requiring Phase I, soil and groundwater delineation. letter emailed to Mr. Prigozen.

07/02/07-Hiralkumar Patel. received message from Mr. Prigozen. left message for Sage Prigozen as Elliot's number was busy.

07/05/07-Hiralkumar Patel. received copy of three reports from Mr. Prigozen.

1. addendum to tank closure report (don't have original tank closure report) for four 550 gal USTs
2. geoprobe investigation report for soil investigation in area of previously removed four 550 gal USTs (four 550 gal USTs were located in parking lot along Kent Avenue)
3. closure report for four 1500 gal tanks, which were located near main entrance (on north side) along north 12th street, and were removed in June 2000.

addendum to four 550 gal USTs closure includes a further review of sample analyticals for samples taken after tanks removed in Aug. 1998. during tank removal found heavy SVOC contamination in three endpoint samples out of four samples.

geoprobe investigation in area of previously removed 550 gal USTs was done as found heavy SVOC contamination during endpoint analysis. abstract:

- report prepared on Oct. 7, 1998
- four borings were installed (one on each side of excavation area of previous 550 gal UST location)
- three soil samples from the smear zone at approx. 7 ft bg, were chosen for analysis: S-1 (southeast of excavation), S-3 (northwest of excavation) and S-4 (northeast of excavation)
- all three samples were analyzed for SVOCs only (as didn't found VOCs in previous sampling)
- few SVOC contamination found in sample S-3 (which is along Kent ave)

abstract of tank closure report for 1500 gal tanks:

- removed four 1500 gal single wall, concrete-encased USTs.
- from regional water table maps, groundwater occurs approx. 15 ft bg and flows in a northwesterly direction
- tanks were located approx. 4 ft bg
- tanks were in good condition with no corrosion. no visible holes or leaks were noted
- sidewall samples were collected at 8 ft and bottom sample was collected at 12 ft bg
- groundwater was not encountered at the site during excavation
- approx. 79.16 tons of contaminated soil were removed
- highest PID observed in west side wall sample (PID: 398.3 ppm)
- due to observed staining, odors and documented PID readings, the DEC was notified (spill #: 0003390)
- minor contamination found in soil endpoint samples

spoke with Mr. Prigozen. explained him that spill was reported as found free product on groundwater during environmental investigation in 1999. and during tank removal activities, no groundwater sample was taken. asked him to delineate groundwater contamination. asked him to install monitoring wells atleast to previous tanks locations (one along kent ave and one along north 12th street). sent email to Mr. Prigozen with specific requirement of monitoring well locations.

07/09/07-Hiralkumar Patel. received call from Mr. Prigozen. he mentioned that he removed four 550 gal tanks from his site, which were located along Kent Avenuen and based on closure report addendum, there was no soil contamination. and he believes that groundwater contamination, found in 1999, came from Texaco oil terminal along Kent Avenue. asked Mr. Prigozen to look for investigation report from Aug. 1999, based on which this case was reported. if monitoring wells, during that investigation, were installed along kent ave and found contaminated then based on groundwater flow direction data (if available in report), the department can ask upgradient property to do investigation, but if no site specific groundwater flow direction or previous monitoring well location available to the Department, then the department requires him to do groundwater delineation with site-specific groundwater flow direction. Mr. Prigozen will look for report.

07/09/07- Sangesland received a call from an Environmental consultant in Charlotte, North Carolina. He asked if the DEC required work to be done by a licenced New York State Prof. Engineer. Sangesland said no. The only requirement is the lab used for testing must be NYS Licenced and if any material is removed from the site it must be taken by a licenced hauler.

07/13/07-Hiralkumar Patel. received limited Phase II report from Mr. Prigozen. abstract:

- an affidavit dated 06/13/1989 indicates that one 550 gal gasoline tank was purged and filled with concrete slurry in the southern portion of the site
- two soil borings and nine monitoring wells were installed
- highest PID reading found in boring BK-6 (595 ppm) at 5 to 7 ft bg <-----
- groundwater sample was not obtained from boring location BK-6, which was installed closed to sediment trap area <-----
- based on site topography and nearby waterways, it is determined that the nearby groundwater flow direction is to the northwest
- free product was measured in two monitoring wells (MW-10 with 1.5 inch and MW-7 with 0.05 inch of free product)
- <-----
- minor tetracholorethane was found in (assumed) upgradient groundwater samples (BK-1, BK-2 and BK-3)
- MTBE contamination (236 ppb) found in groundwater samples MW-2 and MW-3 (area near abandoned gasoline tank)
- highest contamination found in soil sample at BK-6 (near old sediment trap)

-----Xylene----Benzene

BK-6 (1-3 ft)-----8,730-----2,025
BK-6 (3-5 ft)-----3,320-----327

//during Phase II, borings were installed to maximum depth of 17.5 ft bg, but report doesn't mentioned about groundwater depth.//

07/18/07-Hiralkumar Patel. after reviewing available reports found following:

- no groundwater depth information
- free product in wells MW-7 and MW-10 along Kent Avneue, but no groundwater flow direction
- MTBE contamination in groundwater sample at BK3, which is close to previously abandoned gasoline tank location
- benzene and xylene contamination in sample at BK-6, which is close to sediment trap. no groundwater sample taken from there.

spoke with Mr. Prigozen. based on available data, asked Mr. Prigozen to do following:

- soil and groundwater sampling at previous sampling location BK-6 (as found Benzene and Xylene in soil and had highest PID during Phase II investigation)
- soil and groundwater sampling at previous sampling location BK-3, close to previously abandoned gasoline UST (as found MTBE in gw)
- complete groundwater delineation (with atleast three permanent monitoring wells and site specific groundwater flow direction) in area of previous boring locations MW-7 and MW-10.

asked Mr. Prigozen to check any previous wells exists on site. if not then he needs to install new wells. based on available data and reports, asked Mr. Prigozen to disregard requirement of Phase I investigation, as mentioned in letter dated June 18, 2007.

07/19/07-Hiralkumar Patel. sent letter to Mr. Prigozen requiring soil/groundwater sampling at previous boring locations BK-3 and BK-6 and complete groundwater delineation in area of previous boring locations BK-7 and BK-10. letter emailed to Mr. Prigozen with map (from former phase II report) indicating locations where the Department requires further investigation.

09/06/07-Hiralkumar Patel. received email from Mr. Prigozen. he is contacting companies for price quote.

09/13/07-Hiralkumar Patel. left message for Mr. Prigozen.

received call from Mr. Prigozen. he is reviewing quotes from companies and will fanalize next week. he will send company's name next week with scheduling and estimated date for report submission.

09/20/07-Hiralkumar Patel. received email from Mr. Prigozen. he has hired Hart & Hickman to do the investigative work. they will be on site in two to three weeks.

Theron Grim
Hart & Hickman, PC
Ph. (704) 586-0007

Mr. Prigozen will call once get dates finalized for investigation work.

09/28/07-Hiralkumar Patel. received email from Mr. Prigozen. contractor will start work on Oct. 8th, 2007.

10/23/07-Hiralkumar Patel. received call from Mr. Grim. he just received analytical data from lab and they found contamination and free product in groundwater. Mr. Grim will submit report within two weeks. asked Mr. Grim to send analytical data, groundwater flow direction and site map with sampling locations for review. he will send these tomorrow.

10/26/07-Hiralkumar Patel. received analytical data for few samples and site map. found soil and groundwater contamination in area of former sediment trap. waiting for full report.

11/06/07-Hiralkumar Patel. spoke with Mat Ingalls Hart & Hickman, PC. Mr. Grim is no longer working there. Mat is sending report to Mr. Prigozen to review and approval and once gets approval, he will forward report.

Mat Ingalls
Ph. (704) 887-4617
email: mingalls@harthickman.com

11/15/07-Hiralkumar Patel. received report from Mr. Ingalls. abstract:

- installed four soil borings (BK-3A, BK-6A, BK-7A and BK-10A); three soil samples (BK-3A, BK-7A and BK-10A) were advanced to depth of 5 ft below grade adjacent to existing wells and boring BK-6A was installed adjacent to the northwest corner of the sediment trap and was advanced to depth of 12 ft bg (later converted to temporary well)
- installed one temporary well (BK-6A)
- found high PID in BK-6A (from 21.3 ppm to 2,350 ppm with max at water table at 7 ft depth)
- sampled recently installed temporary well and two existing wells (BK-3 and BK-7)
- depth to groundwater at the site ranges from approx. 5 ft bg in the northern portion of the site to 10 ft bg in the southern portion of the site
- map indicates shallow groundwater generally flows to the southwest <-----
- during static water level measurements, 2.37 ft of free product was measured in monitoring well BK-10 <-----
- directly south of the bayside fuel oil depot and also upgradient of the subject site is the former Williamburg Manufactured Gas site.

soil analyticals:

-----BK-6A (5-7 ft)
Benzene-----895
Ethylbenzene-----16,300
Isopropylbenzene-----3,180
p-Isopropyltoluene-----10,200
n-Propylbenzene-----5,780
1,2,4-Trimethylbenzene---22,200
Xylene-----2,530

groundwater analyticals:

-----BK-6

Benzene-----2,110
Ethylbenzene-----844
MTBE-----257
Naphthalene-----697
1,2,4-Trimethylbenzene--3,020
Xylene-----247

conclusions:

- based on groundwater elevation data and lack of impacts at the potential source area well BK-7 (previous 550 gal USTs area), it appears the free product in well BK-10 is likely from an offsite source
- Bayside fuel oil depot is located adjacent and upgradient, and site is under Voluntary Cleanup Program (ID #: V00587-2)
- <-----
- petroleum impacts identified in soil sample collected from BK-6A are likely associated with four 1500 gal USTs located adjacent to sediment trap
- lack of groundwater impacts in downgradient monitoring well BK-3 indicates impacts from onsite or upgradient sources have likely not migrated off-site

report missing following:

- no analysis done to identify product found in well # 10
- no site specific groundwater flow direction available
- no information about tidal influence on flow direction

11/20/07-Hiralkumar Patel. left message for Mr. Ingalls to provide missing information. sent email to Mr. Prigozen and Mr. Ingalls with missing information including detailed scaled site plan with all major suspected sites in neighbourhood.

11/21/07-Hiralkumar Patel. received message from Mr. Ingalls. left message for Mr. Ingalls.

11/26/07-Hiralkumar Patel. received email from Mr. Ingalls proposing fingerprint analysis of oil from well # 10, 12 hour tidal survey and detailed site map. sent email to Mr. Ingalls asking 24 hours of tidal survey (instead of 12 hours), fingerprint analysis and detailed site map with surrounding area.

11/28/07-Hiralkumar Patel. received call from Mr. Ingalls. they will do tidal survey on two day period as access available from 8 am to 6 pm only. will submit report after Dec. 10, 2007.

12/13/07-Hiralkumar Patel. received addendum to Phase II report. abstract:

- collected groundwater elevation data from monitoring wells BK-3, BK-4, BK-7, BK-8, BK-10 and BK-11 <-----
- product was found in wells BK-10 and BK-4 <-----
- tidal influence survey indicates that the monitoring well water levels were consistent during the observation period (9.5 hours) and showed no tidal influence <-----
- direction of groundwater flow was determined to be southeast <-----
- product observed in BK-10 is highly weathered middle distillate such as diesel oil or fuel oil <-----
- floating free product (approx. 0.46 ft) was observed in BK-4; BK-4 is located near four former 1500 gal USTs
- collected sample from BK-04 and held at lab (not analyzed)

- Bayside Oil is located upgradient from subject site

based on following, contractor believes that product in BK-10 is from off-site:

- product thickness (2.67 ft)
- degree of weathering and biological degradation
- separation distance (approx. 50 ft) and cross gradient location of BK-10 from the former UST basin
- confirmed site groundwater flow direction to the southeast
- absence of floating product in BK-7 installed in the immediate vicinity of former UST basin

summary:

found free product in two wells: BK-4 and BK-10. BK-4 is located in area of previous 1500 gal USTs and BK-10 is located close to corner of Kent ave and N. 13th st. oil in BK-4 could be from previously removed tanks on-site, but oil in BK-10 could be coming from off-site.

spoke with Matt. he mentioned that they did not find well BK-4 during Phase II investigation, but found during recent well survey. found free product in well and took sample and it is on hold, in lab. asked Matt to analyze sample from BK-4. also asked him to monitor and remove product from existing wells on-site.

discussed with DEC Austin. as owner suspecting off-site spill that impacting well BK-10 at his property, Austin asked to pump out product, weekly for a month to see if any more product comes to the site and then based on product recovery data, may require further work by site owner.

sent email to Matt and Mr. Prigozen requiring analysis of sample from BK-4 and monitoring and product removal from existing wells on weekly basis.

12/24/07-Hiralkumar Patel. spoke with DEC Leszek, who is handling project at Bayside Oil. he confirmed that there was no product found in two monitoring wells (MW-4 & MW-12) located along Kent ave, near 91 N 12th street site.

01/08/08-Hiralkumar Patel. spoke with Matt. he submitted proposal for product removal but haven't heard back. spoke with Mr. Prigozen. he hasn't hire anyone to remove product. asked Mr. Prigozen to remove product from wells on his property and also explained him to install well upgradient from well # 10, on sidewalk, to prove any off-site migration.

01/15/08-Hiralkumar Patel. spoke with Mr. Prigozen. he has authorized Matt to pump product out. asked him to schedule upgradient well installation on sidewalk along kent ave. he is waiting for proposal from Matt. left message for Matt to submit analyticals for sample taken from well # 4. also asked to submit schedule for product removal and to plan for upgradient (from well # 10) well installation.

01/17/08-Hiralkumar Patel. received message from Matt. left message for Matt. received analyticals for sample from well BK-4. during fingerprint analysis, found product from well BK-4 in range from degraded gasoline or similar material to diesel or fuel oil. well BK-4 is installed in area of previous 1500 gal USTs.

01/24/08-Hiralkumar Patel. received call from Matt. they are removing product from BK-4 and BK-10. asked them to continue

removing product from these wells for about a month and then based on remaining product, the department may require downgradient well from BK-4 and upgradient well from BK-10. Matt will send report.

03/20/08-Hiralkumar Patel. left message for Mr. Ingalls to submit product recovery data. sent email to Mr. Ingalls and Mr. Prigozen to submit product recovery data by end of 03/28/08.

03/24/08-Hiralkumar Patel. received message from Mr. Ingalls. they finished field work and will submit report, once get Mr. Prigozen reviews it.

03/27/08-Hiralkumar Patel. received report from Mr. Ingalls. abstract:

- fingerprint result indicate that the product observed in BK-4 is a mix of low boiling material such as petroleum solvent or degraded gasoline, and a middle distillate such as diesel fuel or fuel oil that has undergone extensive biological degradation

apparent product thickness (in feet) in BK-4 and BK-10:

	01/21/08	02/06/08	02/14/08	02/21/08
BK-04	0.53	0.21	0.29	0.34
BK-10	2.55	0.76	0.56	0.91

04/25/08-Hiralkumar Patel. left message from Mr. INgalls to continue product recovery from both wells until finds clean groundwater.

based on recent product recovery report, product thickness in wells BK-04 and BK-10 has been reduced. but closest well to well BK-10 is BK-07 which is 50 ft away and crossgradient and next downgradient well from BK-10 is BK-06A which is 250 ft away and has groundwater contaminated. also closest well to BK-04 is BK-06A which is about 40 ft away and crossgradient and there are no downgradient well from BK-04.

discussed with DEC Austin. as product thickness in both wells reduced, Austin believes that this could be localized problem. Austin asked for complete horizontal delineation of groundwater contamination around BK-04, BK-10 and BK-06A. Austin asked to call owner regarding continuous recovery of product and about further groundwater investigation work.

spoke with Mr. Prigozen. asked him to continue product recovery from both wells. also mentioned to him regarding further groundwater delineation. Mr. Prigozen still believes that product in both wells coming from off-site.

sent letter to Mr. Prigozen requiring removal of product from existing wells and further soil/groundwater delineation around wells BK-04 and BK-10 and previous boring location BK-06A. letter emailed to Mr. Prigozen and Mr. Ingalls.

04/30/08-Hiralkumar Patel. received call from Mr. Ingalls. they still believes that product in BK-10 is coming from off-site. they are planning to install well on sidewalk to see any off-site migration. Mr. Ingalls asked for number of wells around BK-10 and BK-04. mentioned to Mr. Ingalls that the department requires complete delineation which may require multiple wells on-site as well as off-site. asked him to install one permanent well at previous boring location BK-06 as found contaminated groundwater in previous investigation and BK-06 is cross gradient from BK-04.

06/04/08-Hiralkumar Patel. left message for Mr. Ingalls. spoke with Mr. Prigozen. they are currently removing oil from wells and will install required well in two weeks.

07/08/08-Hiralkumar Patel. spoke with Mr. Ingalls. they are removing oil from wells on weekly basis but haven't heard from owner regarding further well installation. spoke with Mr. Prigozen. he was out for work and just came back. he will talk to Mr. Ingalls regarding further well installation and will submit schedule by end of 07/18/08.

08/25/08-Hiralkumar Patel. left message for Mr. Prigozen.

09/19/08-Hiralkumar Patel. spoke with Mr. Ingalls. he mentioned that he tried few times but no response from Mr. Prigozen. left message for Mr. Prigozen.

09/22/08-Hiralkumar Patel. received call from Mr. Prigozen. he mentioned that he was out of country and will contact Mr. Ingalls. will install wells in early october. Mr. Prigozen will ask Mr. Ingalls to call with work schedules.

12/01/08-Hiralkumar Patel. left message for Mr. Ingalls.

spoke with Mr. Prigozen. he will call back as was busy.

12/02/08-Hiralkumar Patel. received message from Mr. Prigozen. left message for Mr. Prigozen.

12/03/08-Hiralkumar Patel. received call from Mr. Ingalls. they are still waiting for authorization for required work.

received call from Mr. Prigozen. he mentioned that he has gave authorization long time back. asked Mr. Prigozen to contact Mr. Ingalls to solve this confusion and asked to call back with work schedule.

received call from Mr. Ingalls. he spoke with Mr. Prigozen and Mr. Prigozen asked him to start work after New Year holiday. mentioned to Mr. Ingalls that required report is overdue since June 2008 and the department can't approve any more extension. he will contact Mr. Prigozen and will call back.

12/04/08-Hiralkumar Patel. received call from Mr. Ingalls. he got approval from Mr. Prigozen for additional work. he spoke with drilling company and can start work from 12/22/08. approves it and asked Mr. Ingalls to submit proposed well location map alongwith existing well locations.

sent email to Mr. Ingalls to submit proposed well location map, by end of 12/09/08, including locations of previous borings and wells. email copied to Mr. Prigozen.

12/05/08-Hiralkumar Patel. received email from Ed from Hart & Hickman with proposed well location. they are proposing to install three wells: one upgradient from BK-10 (along property boundry along Kent ave), one downgradient from BK-04 (along N. 12th street) and one downgradient from previous boring BK-06 (across sediment trap which might be route for groundwater contamination.)

Edward H. Stephens
Hart & Hickman, PC
Ph. (704) 586-0007
(704) 887-4609

Fax (704) 586-0373
email: EStephens@harthickman.com

sent email to Ed and Mr. Prigozen approving proposed well locations. email copied to Mr. Ingalls. required investigation report submission by the end of Jan. 26, 2009 and weekly submission of well monitoring/product recovery data.

12/09/08-Hiralkumar Patel. received call from Ed from Hart & Hickman. he asked about location of well BK-14. he proposed to install well downgradient from sediment trap instead of at BK-14. mentioned to Ed that the Department wants well at (suspect) source location (which is sediment trap) to capture mostly contaminated material and based on findings, more wells needs to be installed.

12/15/08-Hiralkumar Patel. spoke with Ed at Hart & Hickman. they have scheduled well installation on 12/29/08.

01/06/09-Hiralkumar Patel. received email from Ed. they installed four monitoring wells on 12/30/08 and will submit report once gets sample analyticals.

02/04/09-Hiralkumar Patel. received email from Ed with site map including results of recent groundwater investigation. four more wells (or borings) were installed. well/boring BK-12 installed upgradient from BK-10. no contamination found in BK-12. well/boring BK-14 installed near previous sediment trap and found contaminated groundwater. well/boring BK-13 installed on southwest side of BK-14, where no contamination found. well/boring BK-15 was installed on northwest of BK-4 and found contaminated groundwater.

groundwater analyticals:

-----BK-14-----BK-15
Benzene-----1,060
Ethylbenzene-----468
Xylene-----204
Naphthalene-----738-----1,040

02/11/09-Hiralkumar Patel. received call from Ed. he mentioned that during recent survey, they found groundwater flowing in southeast towards northwest portion of the site (near intersection of Kent ave and N. 13th street) and groundwater flowing in south direction towards southeast portion of the site (near intersection of N. 12th street and Wythe ave). according to recent groundwater flow direction, BK-13 is downgradient from BK-14, but cross gradient from BK-4. asked Ed for off-site investigation, downgradient from wells BK-15 and BK-4. also asked for weekly monitoring and recovery of free product. Ed will speak with Mr. Prigozen and will submit complete investigation report.

02/12/09-Hiralkumar Patel. received additional Phase II report (analyticals recorded earlier). abstract:

- four borings were advanced to depth of 15 ft bg
- one soil sample, with highest PID, from each boring was sent for analysis
- groundwater flows to the southeast in the western portion and to the south in eastern portion of the site
- found 1.78 ft of free product in BK-10A
- strong odor found during installation of wells BK-12 and BK-13

- high PID readings were found during installation of BK-13 (276 ppm at 5 ft) and BK-14 (729 ppm at 6 ft)

conclusions from Ed:

- "free product was not observed in BK-12 (which is upgradient from BK-10) during the recent assessment, it is not common to observe a delay in free product recharge into newly installed monitoring well. BK-12 should be observed over time to confirm occurrence of free product."

- "based on local groundwater flow direction and the absence of a potential on-site source in the vicinity of the observed free product at BK-10A, H&H believes the observed free product has migrated on-site from the upgradient Bayside Oil Depot."

- "based upon the result of the receptor survey, soil and groundwater assessment, existing poor groundwater quality in the vicinity of the subject property, and a documented upgradient source of groundwater impacts including free product, soil and groundwater impacts at the site can be most effectively managed through LAND USE RESTRICTIONS AND STANDARD ENGINEERING CONTROLS."

02/20/09-Hiralkumar Patel. spoke with Ed regarding conclusions in submitted report. mentioned to Ed that clean groundwater was found in upgradient well BK-12 which indicates no off-site source. Ed mentioned that they will go back to site to check well again as suspecting that newly installed well could recharge slowly.

spoke with Mr. Prigozen. based on results of investigations till date, asked him to start weekly monitoring of all wells, and removal of any product, immediately. also asked him for off-site investigation downgradient from wells BK-4 and BK-15. told him that product must be removed from wells by next week (end of 02/28/09) and weekly there after.

02/23/09-Hiralkumar Patel. spoke with Mr. Prigozen. will do product removal on 02/25/09.

alternate addresses: 58 Wythe Ave, 91-101 N 12 St, 70-72 Wythe Ave, 82 N 13 St, 92 N 13 St

found two old closed spill reports:

1. 0003390:- consolidated with this spill
2. 0207277:- surface spill reported

02/25/09-Hiralkumar Patel. spoke with Mr. Prigozen. he has hired his mechanic guy to bail out product from wells. he mentioned that he got directions from Ed how to remove product and got some forms for recording. he also mentioned that they have waste oil tank on-site and they will collect product into this on-site tank and will pump out tank once get full. asked Mr. Prigozen to call once he reach to site tomorrow (02/26/09). Mr. Prigozen asked to send STIP at following address:

Sylvan Holdings LLC. **property owner**
c/o Sage Prigozen **Elliot's son**
58-64A Maurice Avenue
Maspeth, NY 11378
Ph. (917) 750-4112 (C)
Fax (305) 860-6699
email: elliotp@bobcatzone.com

02/26/09-Hiralkumar Patel. received call from Mr. Prigozen. he has hired Tri-State environment for product removal (not local mechanic). will submit report. asked him to remove product weekly.

02/27/09-Hiralkumar Patel. received call from Mr. Prigozen. he is planning to hire some local investigation team for further investigation. will call back with company's name who will do further investigations.

sent STIP to Mr. Prigozen (7005 1820 0007 9827 6066). STIP emailed to Mr. Prigozen.

03/13/09-Hiralkumar Patel. received call from Paul from Ecosystems. they have been hired by Mr. Prigozen. will submit work plan for additional investigation.

Paul Ciminello
Ecosystems Strategies Inc.
Ph. (845) 452-1658 (O)
(914) 475-4208 (C)
Email: paul@ecosystemsstrategies.com

03/16/09-Hiralkumar Patel. received STIP delivery confirmation (letter delivered on 03/11/09).

03/25/09-Hiralkumar Patel. received email from Ecosystems with work plan for further investigation. abstract:

- will put absorbent pads in wells BK-4 and BK-10 as an interim remedial measure; pads will be changed, as needed, on a weekly basis
- will verify groundwater flow direction
- propose to install six to ten borings on site
- borings will be extended (at a minimum) to the soil/groundwater interface or until refusal
- at least two soil samples will be collected: one with highest PID and one at groundwater interface; if no PIDs found then only one soil sample will be collected at groundwater interface
- convert one to two borings into a monitoring well
- wells will be installed with a ten ft of screen; minimum of 2 ft of screening will extend above water table

according to submitted site plan in proposed work plan, Ecosystems is planning to install all borings around BK-10, but no investigation proposed to delineation soil/groundwater contamination around BK-04. <-----

spoke with Mr. Prigozen. told him that without having signed Stipulation agreement, i can't approve any work plan. Mr. Prigozen mentioned that his attorney asked him not to sign STIP as he might lose right to get fund from brownfield program. Mr. Prigozen will ask his attorney to call. Mr. Prigozen has chosen to proceed with proposed plan without having approval from the department.

spoke with Paul at Ecosystems. they are at the site today and are surveying all wells to confirm groundwater flow direction. they have put absorbent pads in wells and recovering free product. asked Paul about investigation around BK-04. he is currently concentrating on finding source for BK-10 and will eventually include investigation around BK-04. mentioned to him that the department requires investigation around BK-04 also and will only approve the work plan if it includes soil/gw investigation around BK-04 along with investigation around BK-10.

03/26/09-Hiralkumar Patel. received email from Larry Schnapf, environmental attorney representing Mr. Prigozen. Larry claims that contamination found in BK-10 is from an upgradient oil depot, so he advised his client not to sign STIP which results in waiver of rights to seek reimbursement from the spill fund. he mentioned that his client will sign STIP if oil spill fund waiver paragraph

deleted from agreement.

Larry Schnapf
email: Lawrence.Schnapf@srz.com

04/01/09-Hiralkumar Patel. spoke with Paul at Ecosystem. groundwater flow direction found almost in same direction as found earlier. no product found in well upgradient from BK-10.

04/02/09-Hiralkumar Patel. received email from Paul with report. abstract:

- groundwater flow measurements are broadly consistent with the findings of previous consultant
- groundwater flowing towards the south
- review of sanborn maps indicates that the western portion was associated with oil refining activities predominantly performed on the adjoining property to the west (towards bayside oil depot)
- numerous tanks are shown on the site between 1887 and 1916
- between 1905 and 1965 a tunnel, that appears to have contained pipes connecting both sites, extended beneath Kent ave
<-----
- according to sanborn maps from 1887 to 1916, western portion of the site (in area of Bk-10) was occupied by an oil refining company and site had multiple tanks on western portion
- adjoining to the southwest was MGP site from 1887 to 1916
- 1942 sanborn map showing a tunnel beneath kent ave between the subject site and western property (currently bayside oil depot)

spoke with Mr. Schnapf. Mr. Schnapf mentioned that they are suspecting that old tunnel between two properties (current bayside oil depot and subject site) might be bringing contamination on his client's property. he is planning for more soil and groundwater investigation and investigation about a tunnel before signing STIP. discussed with DEC legal and legal division agreed with this. asked Mr. Schnapf to submit revised work plan for soil and groundwater investigation around BK-4 and BK-10 and tunnel investigation with time schedule. Mr. Schnapf will ask Paul to submit revised work plan by 04/06/09.

spoke with Paul at Ecosystems. asked him for revised work plan. also asked him to submit site map with approx. locations of following:

- BK-10, BK-4
- previous tanks on the property (from 1887 to 1916)
- adjoining MGP site
- tunnel under kent ave

04/06/09-Hiralkumar Patel. sent email (at 3:30 PM) to Mr. Prigozen to submit revised work plan by 4 PM today.

received revised work plan. abstract:

- absorbent booms will be used in wells BK-04 and BK-10 as an interim remedial measures
- will sample all wells
- proposes to dig minimum of three test pits in area where tunnel was located
- test pits will be extended to a maximum depth of 10 ft bg or until groundwater is reached

- if contamination found in soil during test pit installation, samples will be collected and soil will be removed for off-site disposal
- total of 8 to 12 soil borings will be extended across the site with 3 to 5 of these boring being completed as wells
- borings will be extended (at a minimum) to the soil/groundwater interface
- two soil samples will be collected from each borings: one at soil/groundwater interface and one at highest PID
- will submit investigation report within 10 weeks of the approval <-----

04/07/09-Hiralkumar Patel. sent work plan approval letter to Mr. Prigozen. letter emailed to Mr. Prigozen, Paul and Mr. Schnapf.

04/16/09-Hiralkumar Patel. received email from Richard Hooker from Ecosystems. will start investigation work at 8 AM on 04/23/09.

05/06/09-Hiralkumar Patel. received email from Richard. they completed extension of test pits at the western property line and the sampling and laboratory analysis of all existing wells. will install on- and off-site monitoring wells and extension of soil boring on-site on 05/13/09.

06/16/09-Hiralkumar Patel.

4:58 PM:- received email from Paul. he just received comments on the draft report from client and will incorporate these changes. will submit report tomorrow.

06/19/09-Hiralkumar Patel.

3:21 PM:- received investigation summary report from Paul. abstract:

- one test pit was installed immediately southeast of center point of western property line
- eleven soil borings were installed: nine borings (B-1 through B-9) were installed in the vicinity of BK-4 and two borings (B-10 and B-11) were installed in the vicinity of BK-10
- sampling was conducted at each boring location at five-ft intervals to a maximum depth of 20 ft bg or until refusal was reached
- test pit documented the presence of a 10 inch diameter iron pipe in a brick-lined depression
- broken end of pipe was found approx. 2.5 ft bg and the pipe was found to extend down to approx. 6 ft bg before turning sharply west beneath Kent Ave
- water was encountered in test pit at approx. 4 ft bg and no evidence of contamination was encountered <-----
- field evidence of contamination was observed at the groundwater interface at most borings extended in the vicinity of BK-4 <-----
- no field evidence of contamination was encountered in the vicinity of BK-10 <=====
- soil borings B-1, B-9 and B-10 were completed as temporary monitoring wells MW-1, MW-2 and MW-3 respectively
- screen interval from 2 ft above to 8 ft below static groundwater level
- free product was noted in monitoring well MW-2 (B-9) and remains in BK-10
- previously unknown well (MW-4) was discovered to the northeast of BK-10
- found free product in BK-10: 4.7 inches of product on 03/25/09 and 4.2 inches of product on 05/13/09 <-----
- found 1.5 inch of free product in MW-2 <-----
- borings B-10 and B-11 were installed to the southwest and southeast of BK-10; soil samples from these borings at the groundwater interface found no contamination
- boring B-10 was converted into well MW-3; sampled MW-3 and previously unknown well MW-4 (20 ft north of BK-10) and found no contamination

- soil samples from borings collected in the area of BK-4 indicate significant, but uneven soil contamination immediately southeast of the repair shop; these results confirm the presence of an area of subsurface petroleum contamination beneath and southeast of the repair shop
- petroleum odors found in borings B-1 through B-9
- high PID readings found in borings B-2, B-5, B-6 and B-7

PID readings (in ppm):

depth (in ft)	B-2	B-5	B-6	B-7
1	845			
6	400			
7	1,500		142	
8	3,000			
10	3,500			4,943
11	500			

- heavy soil contamination found in soil samples

soil analyticals:

	B-2 10 ft	B-4 9.6 ft	B-4 11 ft	B-5 11 ft	B-5 8.5 ft	B-7 8 ft	B-9
Toluene							510,000
Ethylbenzene	6,000						3,000,000
Xylene	1,700						9,100,000
1,2,4-Trimethylbenzene	30,000			42,000			170,000
1,3,5-Trimethylbenzene	4,200						70,000
Isopropylbenzene	3,100	2,400		2,600	20,000		77,000
n-butylbenzene				23,000			35,000
n-propylbenzene	5,100	4,700		5,400	34,000		52,000

- found high PID in well cap

well	PID (ppm)
BK-10A	159
BK-14	430
BK-13	156
BK-4	316
BK-15	56
MW-2	86

groundwater analyticals:

BK-14

Benzene-----740
Toluene-----50
Xylene-----228
1,2,4-Trimethylbenzene-----1,900
Naphthalene-----260
MTBE-----130

- will submit RAWP by 07/17/09

1:45 PM:- spoke with Mr. Prigozen. based on results of further investigation, informed him that the department requires stipulation agreement signed before reviewing or approving any remediation action work plan. also asked him to schedule a site visit. he agreed to meet at the site at 10 AM on 07/01/09.

2:03 PM:- received call from Paul. he spoke with Mr. Prigozen and will meet at 10 AM on 07/01/09.

07/01/09-Hiralkumar Patel.

10:00 AM:- visited site. met Mr. Prigozen and Paul. repair shop nearby entrance along N. 12th street consists three 275 gal ASTs: two for fresh oil and one for waste oil. waste oil tank is not registered. asked Mr. Prigozen to register waste oil tank.

inspected areas around sediment trap/repair shop, BK-10, old abandoned tunnel and previously abandoned gasoline UST. Paul mentioned that abandoned tunnel extends towards BK-10. Paul will submit RAP by 07/17/09. proposes to excavate area by repair shop entrance as found heavily impacted soil in boring B7. asked Mr. Prigozen to excavate all following areas:

- around BK-10 (as it could be localized problem)
- entire abandoned tunnel running towards BK-10 (to investigate any more product in tunnel)
- in front of repair shop in area of B-7
- around B-9/MW-2 as found free product in it

suggest to remove old abandoned gasoline UST as found 236 ppb MTBE in well BK-3 nearby tank location. Paul suggest to sample BK-3 again before any excavation in this area. mentioned to Mr. Prigozen that based on gw analytical results from BK-3, the department doesn't require removal of the tank, but as they will do excavation in other part of site, it will be easy to use on-site equipments to dug this suspected area. Mr. Prigozen will discuss with Paul regarding gasoline UST removal.

found self-contained parts cleaning machine with small tank (probably 15-20 gal). no stains/odors found around parts cleaning machine.

found well cap missing for BK-10. asked Paul to replace it.

asked Mr. Prigozen to send his tenant's contact info.

12:46 PM:- received email from Mr. Prigozen with tenant's contact info.

David Williams
Director of Real Estate and Construction
Sunbelt Rentals

800 Hartford Turnpike
Shrewsbury, MA 01545-4107
Ph. (508) 925-1611 (O)
(508) 245-1107 (C)
email: David.williams@sunbeltrentals.com

1:40 PM:- left message for Mr. Williams.

3:51 PM:- sent revised STIP to Mr. Prigozen. asked him to submit signed STIP by end of 07/13/09.

07/06/09-Hiralkumar Patel.

1:45 PM:- received message from Mr. Williams.

07/24/09-Hiralkumar Patel.

10:41 AM:- received work plan from Ecosystems. proposes to monitoring/recover product from wells, excavate contaminated soils from areas of B-7 and BK-10.

07/27/09-Hiralkumar Patel.

10:40 AM:- spoke with Paul about work schedule. today he will send cost estimates to Mr. Prigozen and expect to start work by Aug. 3, 2009. asked him to send confirmed work schedule.

10:43 AM:- sent email to Mr. Prigozen approving proposed plan and asked to submit work schedule. email copied to Paul.

08/06/09-Hiralkumar Patel.

11:53 AM:- left message for Paul about work schedule.

12:18 PM:- received message from Paul. he met property owner and tenant yesterday to coordinate excavation and planning to start work on 08/14/09. will send email with confirmed schedule.

08/12/09-Hiralkumar Patel.

10:39 AM:- received email from Paul. they will start soil excavation on 08/21/09 and expect to finish by 08/22/09.

2:10 PM:- sent email to Paul. asked him to call me once excavation starts as planning to visit site during endpoint sample collection.

08/21/09-Hiralkumar Patel.

8:48 AM:- spoke with Richard (845-803-2709) at Ecosystems. they have started excavation in area of BK-10. found contaminated sand, construction debris and clay layer. thick clay layer found right below water table.

11:20 AM:- received call from Richard. while digging area around BK-10, well was destroyed and found brick structure in ground and heavily contaminated soil.

2:00 PM:- visited site. area around BK-10 was excavated and partially backfilled after collecting endpoint samples. found water in excavation, but no product. Richard mentioned that brick walls found on both side of BK-10 running parallel to N. 13th Street. Richard believes that this channel in ground around BK-10 was holding some product which was appearing in BK-10.

crew was excavating area around B-7 (in front of garage entrance) at the time of site visit. found sticky black material from excavation with strange odors. Richard believes that this black material could be source of heavy contamination in B-7. will excavate to depth of 8 ft where contamination found during soil investigation.

crew was also working inside garage where B-2 was installed and product found in MW-2. will collect appropriate endpoint samples.

left site around 3 PM.

3:47 PM:- received call from Mr. Prigozen. while working inside garage around MW-2, they found abandoned tank in ground. will investigate more.

08/22/09-Hiralkumar Patel.

9:25 AM:- received call from Mr. Prigozen. they are planning to remove tank.

08/24/09-Hiralkumar Patel.

8:09 AM:- received call from Mr. Prigozen. he mentioned that tank removal is not possible as tank is located closed to foundation wall. it is about 1,500 gal tank. as per Mr. Prigozen, tank was full of product when discovered. asked him to pump out tank, clean it and then collect soil samples through bottom and sides of the tank to confirm no contamination around tank.

08/25/09-Hiralkumar Patel.

10:58 AM:- spoke with Mr. Prigozen. they pumped out at least 3,000 gal of product from tank. currently cleaning tank.

09/23/09-Hiralkumar Patel.

2:22 PM:- received call from Mr. Williams from Sunbelt Rentals inquiring about waste oil tank registration.

2:26 PM:- sent email to Mr. Williams with PBS registration form and instruction.

09/28/09-Hiralkumar Patel.

2:54 PM:- left message for Paul inquiring about cleanup report.

10/30/09-Hiralkumar Patel.

2:25 PM:- received tank closure and cleanup report from Ecosystems. abstract:

- found shallow (18 inches) dark-stained soil immediately beneath the asphalt during excavation around BK-10
- beneath the stained material, found construction debris to 7 ft bg around BK-10; no evidence of contamination
- immediately beneath well BK-10, a brick lined channel was encountered at 10 ft bg; expanding northwest-southeast for approx. 15 ft, the channel contained grossly contaminated sandy soil and debris
- excavation in area immediately southeast of the machine shop found no field evidence of contamination until groundwater was encountered at approx. 7 ft bg and in shallow soils at the far southeastern corner of the excavation where an area of heavy, bituminous material was encountered at between 2 and 3 ft bg
- found 3,000 gal previously unknown UST in area of MW-2 inside shop
- collected four soil samples through sidewall and two soil samples through bottom of 3,000 gal tank
- collected total of six endpoint soil samples (four sidewalls and two bottoms) from each excavations at BK-10 as well as outside of repair shop
- collected groundwater samples from wells BK-4, BK-13, BK-14, BK-15 and MW-1
- found little SVOC contamination in endpoint soil samples, but no VOC contamination
- found VOC contamination in groundwater sample from BK-13 (but as per report dated 03/04/10, sampling data for BK-13 and BK-14 were switched in the subject report and contamination was actually found in BK-14)

- proposes quarterly monitoring for a year based on groundwater result from BK-13

VOC result:

-----BK-14
Benzene-----570
Toluene-----86
Ethylbenzene-----530
Xylene-----239
1,2,4-Trimethylbenzene-----1,400
Naphthalene-----430
MTBE-----87

11/02/09-Hiralkumar Patel. reviewed all previous soil and groundwater data and found:

- according to Limited Phase II Environmental Site Assessment, dated Aug. 16, 1999, no contamination found in soil sample in BK-4 at 7-9 ft
- found free product in well BK-4, BK-10 and well MW-2 (inside repair shop)
- found soil contamination at the entrance of repair shop
- contaminated soil removed from area around BK-10 and at the entrance of repair shop
- found old 3,000 gal tank inside repair shop nearby MW-2
- collected soil samples through walls and bottom of 3,000 gal UST and found no contamination
- installed two wells BK-13 and MW-1 downgradient from BK-4
- no free product ever observed in BK-13 and MW-1
- no free product or groundwater contamination observed in BK-4 during sampling in Oct. 2009
- found soil and groundwater contamination in area around sediment trap (BK-6 and BK-6A)
- found high PID in BK-6A throughout boring (from 21.3 ppm to 2,350 ppm with max at water table at 7 ft depth)
- no excavation conducted in area of sediment trap

spoke with Richard about excavation around sediment trap and BK-6/BK-6A area. Richard mentioned that as found clean sidewall sample from excavation in front of repair shop area, they didn't excavated area around sediment trap.

11/03/09-Hiralkumar Patel.

9:35 AM:- spoke with Mr. Prigozen and informed him that the department requires removal of contaminated soil from area of BK-6/BK-6A (as there was soil contamination above water table and high PID readings during installation of boring BK-6A). also mentioned that the Department suggest to excavate area around BK-4, while excavating area around BK-6A, as found free product earlier. Mr. Prigozen requested copy of site map and he will discuss with Ecosystem.

9:52 AM:- spoke with Richard about location of 3,000 gal tank and MW-2 inside repair shop. Richard mentioned that MW-2 was about 6 ft from tank's north end and there was drain between tank and MW-2. they removed contamination from drain and MW-2 areas. MW-2 was destroyed during excavation work.

10:32 AM:- sent email to Mr. Prigozen with copy of site maps with sample analyticals and asked Mr. Prigozen to remove contaminated soil from area of sediment trap. email copied to Paul.

11/20/09-Hiralkumar Patel.

3:02 PM:- spoke with Mr. Prigozen regarding excavation in sediment trap. he spoke with Paul and waiting for his response. will call back.

11/24/09-Hiralkumar Patel.

10:39 AM:- received email from Richard. they are discussing with Mr. Prigozen and will call back by next week.

12/04/09-Hiralkumar Patel.

2:43 PM:- left message for Mr. Prigozen.

2:47 PM:- spoke with Richard. they are currently discussing and will call back by end of 12/07/09.

3:45 PM:- received call from Mr. Prigozen. he spoke with Richard and will call back once gets answer from Ecosystem next week.

12/09/09-Hiralkumar Patel. received email from Ecosystem (at 5:20 PM on 12/08/09) including response to soil excavation requirement in area of BK-6/BK-4 (response was recalled immediately). Ecosystem proposed for quarterly groundwater sampling instead of soil excavation in area between BK-6 and BK-4 based on endpoint samples from recent excavation and groundwater sample results in Oct. 2009

2:15 PM:- spoke with Mr. Prigozen. based on level of soil contamination and depth of water table, suggested Mr. Prigozen to excavate area around sediment trap and BK-4 to remove probably last spot of contamination. Mr. Prigozen mentioned that he would like to do excavation, if any, in his presence. he is out of NY during winter and will be back in summer. he requested to postpone soil excavation, if any, till summer.

based on spill history and soil/gw sample results, approved Mr. Prigozen's request to postpone any soil excavation till summer, but required monthly monitoring and quarterly sampling from existing wells.

2:31 PM:- spoke with Richard at Ecosystem regarding their response which was recalled. Richard mentioned that there is some change in it and will send revised one. Richard requested to hold requirement of gw monitoring and sampling until they submit revised response.

12/15/09-Hiralkumar Patel.

11:38 AM:- spoke with Richard regarding response to soil excavation in area of BK-6/BK-4. Richard mentioned that owner's attorney is currently reviewing it and will submit soon.

12/21/09-Hiralkumar Patel.

2:02 PM:- spoke with Richard and asked to send document by end of tomorrow.

12/22/09-Hiralkumar Patel. received email from Richard (at 4:29 PM on 12/21/09) including response regarding excavation in area of BK-6/BK-4. Ecosystem recommends at least three quarterly rounds of groundwater sampling from existing wells and continued monitoring of the booms in BK-4 prior to decision regarding implementation of any additional remediation.

12/23/09-Hiralkumar Patel.

1:37 PM:- left message for Mr. Prigozen and informed him that the department is agreed with recommendations for three rounds of quarterly sampling. asked him to provide dates for first round of sampling.

1:39 PM:- spoke with Richard. informed him that the department agreed with their recommendation of quarterly groundwater sampling. asked Richard to send dates for first round of sampling.

1:53 PM:- sent email to Mr. Prigozen and asked to submit first quarterly groundwater sampling report by the end of 02/12/10. email copied to Richard and Paul.

2:54 PM:- received call from Mr. Prigozen. he received email and will ask Paul to collect groundwater samples in Jan. 2010.

03/04/10-Hiralkumar Patel.

12:02 PM:- received first quarterly groundwater sampling report. collected groundwater samples from wells MW-1, BK-4, BK-13, BK-14 and BK-15 on 02/01/10. groundwater samples were analyzed for VOCs (via 8260) only. no free product observed in well BK-4. found VOC contamination in groundwater sample from BK-14 and very minor contamination in other wells. but as per report from Oct. 2009, no contamination found in BK-14, but contamination was found in BK-13. Paul mentioned that sample results for BK-13 and BK-14 were switched in report dated 10/30/09.

groundwater analyticals:

-----BK-14
Benzene-----469
Toluene-----89
Ethylbenzene-----485
Xylene-----201
1,2,4-Trimethylbenzene-----1,290
Naphthalene-----266
MTBE-----61

06/22/10-Hiralkumar Patel. received quarterly groundwater sampling report from Ecosystems. on 06/08/10, they sampled wells MW-1, BK-4, BK-13, BK-14 and BK-15. found contamination in groundwater sample from well BK-14: the well in previous sediment trap area. found only MTBE (71 ppb) in well BK-4. will sample wells again in Sep. 2010.

groundwater analyticals:

-----BK-14
Benzene-----600
Toluene-----92
Ethylbenzene-----470
Xylene-----196
1,2,4-Trimethylbenzene-----930
Naphthalene-----250
MTBE-----64

11:56 AM:- spoke with Mr. Prigozen. informed him that groundwater is contaminated near sediment trap area and if they continue groundwater monitoring and are planning for no excavation, then this case may be transferred to remediation group for long-term remediation. Mr. Prigozen will discuss with Ecosystems and will call back by 07/10/10.

07/28/10-Hiralkumar Patel.

11:08 AM:- received email from Mr. Prigozen. he mentioned that they will excavate area around BK-6/BK-4 in August, 2010. Ecosystem will send work schedule.

08/04/10-Hiralkumar Patel.

9:01 AM:- received email from Richard. they have scheduled a soil excavation around sediment trap on 08/12/10. work will start at 9 AM.

09/13/10-Hiralkumar Patel.

11:51 AM:- sent email to Paul inquiring updates. email copied to Mr. Prigozen.

11:53 AM:- received email from Paul. he will submit report by end of Sep., 2010.

10/26/10-Hiralkumar Patel.

1:56 PM:- received supplemental remediation report from Ecosystems. the submitted report doesn't include info about depth of endpoint sidewall samples and sample analyticals were compared with Part 375 instead of TAGM 4046.

10/27/10-Hiralkumar Patel.

10:22 AM:- spoke with Richard at Ecosystems regarding excavation dimension and endpoint sampling depths. Richard mentioned that final excavation was approx. 50 ft by 30 ft to 15 ft depth. they collected endpoint sidewall samples at groundwater interface (at 7 ft depth) and bottom soil sample was collected at 15 ft depth. as per Richard, groundwater was seeping into excavation at very low rate, so groundwater was not present in excavation for sampling. asked Richard to submit revised report including info about sidewall sampling depth and sample results comparison with TAGM 4046 instead of Part 375.

10:31 AM:- left message for Mr. Prigozen. informed him that based on results of endpoint samples, the department requires further investigation/remediation.

10:40 AM:- sent email to Richard asking to submit revised report. email copied to Mr. Prigozen.

11:38 AM:- received call from Mr. Prigozen. he mentioned that he doesn't remember discussing about excavation around BK-4 and based on groundwater sampling results, he does not want to dig in area of BK-4. informed Mr. Prigozen that based on quarterly groundwater sampling results from BK-4, the department does not require excavation, but based on endpoint sample results from recent excavation, the department requires further investigation/remediation.

11/30/10-Hiralkumar Patel.

9:32 AM:- spoke with Rich. he will submit revised report. they are proposing for groundwater monitoring at this time and based on monitoring results, may propose additional investigation in former sediment trap area.

12/02/10-Hiralkumar Patel.

2:13 PM:- received revised report from Ecosystems.

- excavated area around former sediment trap and well BK-14

- no field evidence of contamination until groundwater was encountered at approx. 7 ft bg and in shallow soils at the far southeastern corner of the excavation where an area of heavy, bituminous material was encountered at between 2 and 3 ft bg

- during excavation, petroleum odors and PID readings between 300 and 600 were recorded

- five endpoint samples (four sidewalls and one bottom) were collected from excavation

- sampled groundwater in wells BK-4, BK-13, BK-15 and MW-1

- petroleum contaminated soils remain at depths greater than 15 ft below the former sediment trap and below static water level

- found heavy contamination in bottom endpoint soil sample

- very minor VOC contamination found in groundwater samples (max 43 ppb MTBE in BK-4)

-----bottom
15 ft bg

Benzene-----	3,400
Toluene-----	2,900
Ethylbenzene-----	31,000
Xylene-----	5,400
1,2,4-Trimethylbenzene-----	210,000
Naphthalene-----	29,000
Isopropylbenzene-----	19,000
n-Butylbenzene-----	33,000
n-Propylbenzene-----	37,000

due to heavy soil contamination in endpoint bottom sample and heavy contamination in groundwater sample from well BK-14, which was installed in the vicinity of the sediment trap, the department requires further complete delineation of soil and groundwater investigation including installation of one well at the location of endpoint bottom sample with deeper screen.

12/07/10-Hiralkumar Patel. discussed with DEC Austin regarding soil contamination below water table. he asked to contact MGP project manager in Albany as MGP site was in neighbourhood.

11:10 AM:- spoke with DEC William Ottaway in Albany regarding MGP site. Bill mentioned that Douglas MacNeal is the project manager for MGP site (V-00732) on Kent ave. Bill mentioned that MGP waste contains very high SVOCs and may have some VOCs.

reviewed recent report. no SVOCs found in any endpoint sample.

1:38 PM:- sent letter to Mr. Prigozen requiring additional soil and groundwater investigation in former sediment trap area. letter emailed to Mr. Prigozen and Paul.

12/20/10-Hiralkumar Patel.

2:22 PM:- received message from Paul from Ecosystems.

12/21/10-Hiralkumar Patel.

2:31 PM:- left message for Paul.

12/29/10-Hiralkumar Patel.

1:35 PM:- received email from Rich. a well at the former sediment trap will be installed on 01/06/11.

01/04/11-Hiralkumar Patel.

3:21 PM:- spoke with Rich. they will start well installation work around 8 AM. he also mentioned that a new drain structure has been installed in the previous sediment trap area. so they have to relocate the new well. Rich will decide well location once visit the site.

01/06/11-Hiralkumar Patel.

10:01 AM:- received call from Rich. they installed boring in area close to former sediment trap. boring was installed to 19 ft

depth where they found refusal. during boring, found 160 ppm on PID at groundwater interface (groundwater at 7 ft depth) and 75 ppm from 10-15 ft depth. there was no recovery in 15-20 ft range. the boring was installed in previously excavated area to 15 ft depth. so highest PID was found at groundwater interface in backfill material. a well will be installed in boring with 15 ft of screen. as high soil contamination found at 15 ft depth in endpoint sample from excavation and as no recovery in 15-20 ft depth, asked Rich to install another boring in area.

11:15 AM:- visited site. Rich installed another boring to 20 ft depth and collected soil from 15 to 20 ft depth only. minor odor noticed in clayey material from 15 to 20 ft depth. asked Rich to collect two soil samples: one at 15-16 and one at 19-20 ft depth. Rich will sample all existing wells, around former sediment trap area, next week.

02/17/11-Hiralkumar Patel.

1:13 PM:- received supplemental investigation report from Rich. abstract:

- two soil borings (2B-1 and 2B-2) installed in former sediment trap area
- collected two soil samples from each boring: at 7 and 15 ft from 2B-1 and at 15 and 20 ft at 2B-2
- installed 2 inch well (BK-14(R)) at boring 2B-1 with 10 ft of screen (from 5 to 15 ft bg)
- sampled water from wells BK-4, BK-13, BK-14(R) and BK-15
- no contamination found in any soil sample (not even in sample at 15 ft bg in 2B-1 which was collected in same area as endpoint bottom sample after excavation around former sediment trap)
- very minor contamination found in water samples except sample from BK-14(R)

groundwater analyticals:

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-----BK-14(R)
Benzene-----190
Ethylbenzene-----280
Xylene-----120
1,2,4-Trimethylbenzene-----1,300
Naphthalene-----210

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- recommended sampling of wells MW-1, BK-4, BK-13, BK-14(R) and BK-15 after three months

03/17/11-Hiralkumar Patel. discussed with DEC Austin. based on consistent data in well BK-14, Austin asked for remediation.

3:16 PM:- sent letter to Mr. Prigozen requiring submission of a RAP for remediation of contamination in and around the area of the former sediment trap. letter emailed to Mr. Prigozen, Paul and Rich.

05/20/11-Hiralkumar Patel.

10:40 AM:- received call from Paul. he mentioned that as groundwater contamination found in only by former sediment trap area, he propose to monitor groundwater for some time before any active remediation. he will send work plan by 06/03/11.

RAP is due on 04/22/11.

DEC requires: 1) cleanup in area of BK-4, 2) complete soil delineation in area around former sediment trap, 3) installation of monitoring well in former sediment trap area to monitor groundwater

Map Identification Number 34 **MANHOLE #4353** **Spill Number: 0601588** **Close Date:**
 KENT AVENUE & N. 10 STREET BROOKLYN, NY TT-Id: 520A-0038-506

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING
 Approximate distance from property: 2531 feet to the NW

ADDRESS CHANGE INFORMATION

Revised street: KENT AVE / N 10TH ST
 Revised zip code: NO CHANGE

Source of Spill: UNKNOWN Spiller: ERT DESK - CON EDISON Spiller Phone: (212) 580-8383
 Notifier Type: Responsible Party Notifier Name: Notifier Phone:
 Caller Name: Caller Agency: Caller Phone:
 DEC Investigator: JMOCONNE Contact for more spill info: ERT DESK' Contact Person Phone: (212) 580-8383

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
05/11/2006		UNKNOWN	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	3.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

No to the five questions. Unknown cause of the spill. Clean up is pending test results. ConEd#164204

DEC Investigator Remarks:

164204. 5/11/06 - 1820hrs - Damien Youngblood #15199 Splicer, UG, reports while on location for splicing on fdr 6B41 using account #20190 found 3 gallons unknown oil coming thru duct in MH4353 on floor, walls and cable in structure. No water involved. No fire/smoke involved. No sewers or waterways affected. No private property affected. There is a previous incident 164158 cleaned and closed out on 5/9/06 - <1ppm. There is also an incident on MH4352 #164182 dated 5/10/06 - pcb results <1pm - sample taken for oil id this date. This MH4352 turned into EH&S for remediation. Sample taken marked E priority for oil id and pcb and flashpoint chain of custody EE17036. Env stop tag # 38237 placed. As per T. Fernandez OS Env. Ops, reported to D. Hearn that this incident along with other will be turned over to Ann Ip EH&S for remediation due to the reoccurrences of same. Clean up pending. cn#19661

Map Identification Number 35 **99 CENT STORE**
 640 MANHATTAN AVE

BROOKLYN, NY

Spill Number: 0208256

Close Date:
 TT-Id: 520A-0040-262

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
 Approximate distance from property: 2585 feet to the NNE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
 Notifier Type: Affected Persons
 Caller Name: ANNA MARIA LINDBLAD
 DEC Investigator: smsanges

Spiller: UNKNOWN - UNKNOWN
 Notifier Name: ANNA MARIA LINDBLAD
 Caller Agency: TENANT
 Contact for more spill info: JERRY SHERMAN

Spiller Phone:
 Notifier Phone: (718) 389-8876
 Caller Phone: (718) 389-8876
 Contact Person Phone: (718) 383-1515

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
11/08/2002		UNKNOWN	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

CALLER STATES EVERYTIME OIL IS DELIVERED A STRONG ODOR PERMEATES HER APT WHICH IS LOCATED OVER THE STORE. EMPLOYEES IN THE STORE HAVE TOLD CALLER THAT THE BASEMENT IS A MESS FROM DELIVERIES OF OIL LANDLORD WAS ADVISED OF POSSIBLE PROBLEM BUT DID NT SEEM TO CARE.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SANGESLAND"

mailing address for building owner is:
 Sherman Monroe
 20191 E Country Club Dr.
 Aventura FL 33180-3012

10/2007 City Tax records now say:
 Sherman Monroe
 1850 South Ocean Drive Apt 3907

Hallandale, FL 33009

Map Identification Number 36

MH 63427 AND VS 3477
NORTH 12TH ST/KENT AVE

BROOKLYN, NY

Spill Number: 0203699

Close Date:
TT-Id: 520A-0038-989

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2611 feet to the NW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Affected Persons
Caller Name: MARK SCHLAGEL
DEC Investigator: JMOCONNE

Spiller: UNKNOWN
Notifier Name: MR ZAMBRIO
Caller Agency: CON EDISON
Contact for more spill info: MARK SCHLAGEL

Spiller Phone:
Notifier Phone: (212) 580-6763
Caller Phone: (212) 580-6763
Contact Person Phone: (212) 580-6763

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/08/2002		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	402.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

400 gallons of unknown oil ontop of 100 gallons of water in manhole

and 2 gallons on top of 100 gallons of water in vs. 3 samples to be taken and cleanup is pending vendor. material is possibly #6 oil.

con ed # 143845.

DEC Investigator Remarks:

Con Ed e2mis #143845

7/8/02, 10:15 AM - According to Mike Kessler (ERT), Transmission Ops did investigate. Pipeline No. 7 drained/capped in 1999. There is a fill line for nearby building near manhole. Crew still on-site performing clean up. Did no know when manhole was last

opened. Trans Ops claims there would be oil in more manholes if related to pipeline no. 7. (KMF)

7/9/02: met at site with Tino Fernandez (Env. Ops.). Located on dead-end street across from Bayside Fuel Oil company. Approx. 400 gallons #6 oil in MH63427 & VS3477. MH and VS are located approx. halfway down N. 12th St. to west of Kent Ave. Pipeline No. 7 runs along Kent Ave (driained/capped 1999). Clean Harbors supervisor Jeb Cook is on-site with crew. Once they clean MH and VS, Con Ed can determine where oil is seeping from. (KMF).

8/7/02: Met with Ron James (B/Q EH&S). Heavy oil found in manhole and transformer vault on south side of N. 12th Street. After reviewing file for DEC #9202230 (5/23/92), we agree that these structures were initially impacted be leak from Pipeline #7 at corner of N. 12th St/Kent Ave. The oil ID from the structure is "heavy fuel oil" According to e2mis report, the vault was "steam cleaned" last week, but there is still #6 oil visible on sides of transformer.

There are a number of groundwater monitoring wells in the vicinity of the vault. The vault lies across the street from the Bayside oil terminal. I interviewed the site manager and the on-site consultant (TRC) - both indicated that their wells are confined to within the property boundaries, and that there was little impact on south side of their property. Vault is also adjacent to a NYD Sanitation garage. I spoke with Jake Krimgold (DDC monitor) - he indicated that off-site wells are probably his, but that there was no free product. I will look at boring logs for well installations and see if there is any evidence of #6 oil contmaination (as opposed to diesel, which was the focus of their investigation). (JHO)

Update 6/9/06

Spill closed based on final site investigation report located in eDocs App. B Site 25. (SKA)

11/7/06 - spill reopened based on phone call from Matthew Madsen (Con Ed remediation). Manhole was inspected yesterday and was apparently never cleaned out. I requested a revised e2mis report, and requested that adjacent and adjoining structures be inspected for evidence of additional oil. (JHO)

7/18/07: e-mail from Con Ed Remediation (Angel Chang):

"I have tentatively scheduled a site visit with All State Power Vac next June 26 at 10:00am to see these structures as well as the adjacent vaults. From seeing some of the e2MIS spills, it appears that one of them (164182) might have been closed already, do you want me to open

another eMIS number if we need to further clean the structure or would you just re-open the e2MIS number associated?. Of course, we will update the open spills, after conducting the clean-up and provide you with all the required information hopefully leading to closing these spills. Would you be able to attend, if available, next Thursday at 10:00am?" (JHO)

7/18/07: e-mail from Con ed Remediation (Matt Madsen):

"Remediation has (had) accepted responsibility for the manhole on N12th Street several years ago, although the source of the oil was never confirmed. Remediation is undertaking the manhole cleanouts under the assumption that the pipeline was the source, but we will be doing some fingerprinting and forensics when we do the cleanout to try to confirm." (JHO)

7/26/07: Site visit with Con Ed (Chang, Madsen, Ron Cosentino and Ann Ip). Were to meet contractor and Con Ed manhole crew to inspect manholes and vaults along Kent Ave. Manhole crew was delayed due to miscommunication, so site visit was postponed. Sent e-mail later in the day to Con Ed attendees: "As we discussed this morning at our aborted site visit, you should be prepared to check all interconnected manholes in this area when we re-convene next week... Let me know when you have confirmed the date." (JHO)

7/30/07: Samples collected by Con Ed from MH and VS for fingerprint analysis. (JHO)

9/18/07: e-mail to Con Ed (Chang): "As discussed during the Spill Task Force meeting last Wednesday, I would like you to expedite cleanup of these manholes. Please provide me a schedule by Friday 9/21." (JHO)

9/21/07: E-mail from Con Ed (Chang): "We will be performing the clean-up starting on October 1 at 9:00am and for the duration of that week until we finish."

10/2/07: on site with Con Ed (Cosentino, Chang) - manhole and vault are being cleaned today. Oil ID came back as heavy fuel oil. Manhole and vault are located in sidewalk on south side of North 12th Street immediately adjacent to a Dept. of Sanitation Garage. Instructed Con Ed to conduct follow-up inspection of structures in November and Spring 2008 to ascertain whether there is an on-going seepage problem. In meantime, I checked with DEC Zhitomirsky and Kolleeny (former NYCDDC monitors) to find out if there was any investigation/remediation activities going on at the Sanitation garage. They indicated that they were unaware of any activities. (JHO)

3/12/08: Spoke with Ron Cosentino - he indicated that oil has been observed in the manhole and vault following the cleaning. Checked PBS/Spills/HW databases.

PBS no. 2-456098

Spill no. 9401167 - Tank test failure (?) for diesel tank. Closed, cross-referenced to spill no. 9600011.

Spill no. 9600011 - Groundwater and soil contamination (free product plume). Closed and cross-referenced to HW 224055 (KeySpan Williamsburg Works MGP site).

Spill no. 9607376 - Product in monitoring well. Closed, cross-referenced to spill no. 9600011.

V00704 - Voluntary Cleanup Agreement with KeySpan Energy. Terminated when site was transitioned into BCP.

C224055 - KeySpan applied to transition to the BCP. Agreement terminated. Superfund site number opened.

HW224055 - Albany Bureau C is lead bureau.

Sent e-mail to Bob Schick (Bureau C director): "A check of UIS shows three remedial program codes for this site (V00704, which was terminated when KeySpan transitioned to BCP under site C224055, and then a SSF number 224055 where the trail runs cold). Can you tell me who the PM is for this site and what the current status is?"

3/13/08: Received e-mail response from Gardiner Cross, MGP Section Chief in Bureau B: "The PM for the Williamsburg MGP will be Lisa Gorton in my section. We're expecting to receive a "preliminary work plan" (not sure if that's a scope of work or a more detailed plan) within the next few weeks. We will be scheduling a site walkover some time in early April."

Sent e-mail response back to G. Cross: "Con Ed has a manhole adjacent to the north wall of the Sanitation Garage that keeps accumulating NAPL (ID'd as heavy fuel oil, but based on weathering it could be something else). There were open spills associated with a plume of diesel from the Sanitation USTs, unfortunately the regional PM closed the spill and [dererred] the responsibility on the MGP PM. Give me a shout when you are planning your site visit."

Received a copy of the forensic analysis for the samples collected in August from Angel Chang. Forwarded a copy to Gardiner Cross for his records. (JHO)

Site is being excavated under an "E" designation with the city because of lead contamination. One of the dump trucks hit a pylon and ruptured a diesel saddle tank. Area was soil, but was contained as best they could. ABC Pumped out the puddles & scraped up the contaminated soils. The area is being excavated and end point samples will be taken. Kevin Brussee will forward a spill closure report to DEC within the next couple of weeks.

Map Identification Number 38 **WYTHE AVE & N 13TH ST** **Spill Number: 8912490** **Close Date:**
 **WYTHE AVE & N 13TH ST** **BROOKLYN, NY** **TT-Id: 520A-0039-354**

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING
 Approximate distance from property: 2246 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: WYTHE AVE / N 13TH ST
 Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL Spiller: CON ED Spiller Phone:
 Notifier Type: Responsible Party Notifier Name: Notifier Phone:
 Caller Name: Caller Agency: Caller Phone:
 DEC Investigator: JMOCONNIE Contact for more spill info: Contact Person Phone:

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.

Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/01/1989		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIELECTRIC FLUID	PETROLEUM	6000	GALLONS	0	GALLONS	SOIL

Caller Remarks:

Reported by Con Ed as required under Consent Order.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
 APPENDIX B SITE NO. 63.

THE FOLLOWING ACTIVE SPILLS FOR THIS CATEGORY WERE REPORTED BETWEEN 1/8 MILE AND 1/2 MILE SEARCH RADIUS FROM THE SUBJECT ADDRESS. THESE SPILLS WERE REPORTED TO BE LESS THAN 100 UNITS IN QUANTITY AND CAUSED BY: EQUIPMENT FAILURE, HUMAN ERROR, TANK OVERFILL, DELIBERATE SPILL, TRAFFIC ACCIDENT, HOUSEKEEPING, ABANDONED DRUM, OR VANDALISM. THESE SPILLS ARE NEITHER MAPPED NOR PROFILED IN THIS REPORT.

FACILITY ID	FACILITY NAME	STREET	CITY
0809794	GAS STATION - IND-G LINE	METROPOLITAN AVE @ UNION	BROOKLYN
9103785	FEEDER 61	MEEKER AVE & LEONARD ST	BROOKLYN
0413160	NYCSCA - AUTOMOTIVE TRADE HIGH SCH	50 BEDFORD AVENUE	BROOKLYN
0712424	PARKING LOT	34 BERRY STREET	BROOKLYN



CLOSED STATUS TANK FAILURES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 39 **UNKNOWN GAS STATION** **Spill Number: 0008335** **Close Date: 10/25/2005**
 2 ROEBLING ST BROOKLYN, NY TT-Id: 520A-0039-898

MAP LOCATION INFORMATION
 Site location mapped by: PARCEL MAPPING (2)
 Approximate distance from property: 507 feet to the N

ADDRESS CHANGE INFORMATION
 Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION Spiller: UNKNOWN Spiller Phone:
 Notifier Type: Other Notifier Name: Notifier Phone:
 Caller Name: STEVE CAPONE Caller Agency: A AND M DEMOLITION Caller Phone: (718) 272-1301
 DEC Investigator: JRSTRANG Contact for more spill info: UNKNOWN Contact Person Phone:

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.

Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/17/2000		TANK FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

callers business was contracted for excavation of tank and when contaminated soil was found the callers business was fired.
 another company on scene - dano construction

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ROMMEL"

10/25/05 - New Condo built on-site. Administrative Closure.

Map Identification Number 40 **68 RICHARDSON STREET** **Spill Number: 9312569** **Close Date: 06/11/2001**
 **68 RICHARDSON STREET** **BROOKLYN, NY** **TT-Id: 520A-0047-906**

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 1033 feet to the ENE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL Spiller: HARRY NADLER - BERNSTEIN REALTY Spiller Phone:
 Notifier Type: Other Notifier Name: Notifier Phone:
 Caller Name: BOB DECK Caller Agency: PETRO TANK CLEANERS Caller Phone: (718) 624-4842
 DEC Investigator: SMMARTIN Contact for more spill info: Contact Person Phone:

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors),
 contamination of drinking water supplies, or significant release to surface waters.

Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/25/1994	02/26/2001	TANK FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	-1.00	POUNDS	0.00	POUNDS	GROUNDWATER

Caller Remarks:

AFTER TANK WAS CLEANED - OWNER FOUND RESIDUAL OIL PUMP PIT - CALLED BOB DECK, HE SAID THAT OIL SHOWED UP IN SUMP PIT OWNER ASKED TO SET UP TEMP. TANK (1080 GAL) AND CLEANED THE 2500 GAL UST. FOR INSPE

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MARTINKAT"
 CLOSURE LETTER DATED 7/30/2001. SMM

Map Identification Number 41 **UNICO GAS STATION**
 445 METROPOLITAN AVE

BROOKLYN, NY

Spill Number: 9909193

Close Date: 10/07/2005
 TT-Id: 520A-0051-717

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 1157 feet to the S

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: 11211

Source of Spill: GASOLINE STATION
 Notifier Type: Local Agency
 Caller Name: BEN KANN
 DEC Investigator: hmdudek

Spiller: JOE - UNICO GAS STATION
 Notifier Name: BEN KANN
 Caller Agency: ITAR TANKS
 Contact for more spill info: JOE

Spiller Phone:
 Notifier Phone: (718) 383-4818
 Caller Phone: (718) 383-4818
 Contact Person Phone: (000) 000-0000

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
10/28/1999		TANK FAILURE	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

underground storage tanks were being removed and contaminated soil was discovered - site assessment will be done and the owner will decide what he wants to do for clean up

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ROMMEL"
 11/1/99

On site. All tanks out. Station covered with fresh concrete already. Two 55 gallon drums on side of station need to be disposed. All tanks off site. No stockpile of soil. Spill 9909344 reported by anonymous citizen.

11/2/99

Spoke to Butch (516) 831-2982 - beeper? from ITAR Tanks. Dr. Munroe was on site to collect samples from the excavation. NO soil was removed. Concrete slab was removed. PBS needs to be updated - tanks listed as temporarily-out-of-service.

Site visit 10/5/05 - Site abandoned. No drums present.

Map Identification Number 42 **172 BEDFORD AVE/BKLYN**
 172 BEDFORD AVENUE

NEW YORK CITY, NY

Spill Number: 9006489

Close Date: 05/25/1995
 TT-Id: 520A-0045-654

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 1289 feet to the WNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING
 Notifier Type: Other
 Caller Name: MADELINE STEIGLER
 DEC Investigator: WILSON

Spiller:
 Notifier Name:
 Caller Agency: BAERENKLAU
 Contact for more spill info:

Spiller Phone: (718) 782-0897
 Notifier Phone:
 Caller Phone: (718) 647-4200
 Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
09/13/1990	05/25/1995	TANK FAILURE	UNKNOWN		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	2.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

(2) 275 GAL TANKS MANIFOLDED, (1) TANK LEAKING, SPEEDY DRY APPLIED, ABC TANK WILL REPAIR OR REPLACE TANK.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 43 **174 BEDFORD AVE/BKLYN**
 174 BEDFORD AVENUE

NEW YORK CITY, NY

Spill Number: 9008726

Close Date: 11/08/1990
 TT-Id: 520A-0045-655

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 1298 feet to the WNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING	Spiller: CHARLESTON BLDG	Spiller Phone:
Notifier Type: Responsible Party	Notifier Name:	Notifier Phone:
Caller Name: RALPH NAPOLITANO	Caller Agency: BAERENKLAU	Caller Phone: (718) 647-4200
DEC Investigator: TOMASELLO	Contact for more spill info:	Contact Person Phone:

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/08/1990	11/08/1990	TANK FAILURE	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

OIL TANK IN BASEMENT LEAKED,SLUDGE IN BOTTOM OF TANK IS STOPPING LEAK,SPEEDY DRY APPLIED, WILL FIX TOMORROW.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 44	S/W COR METROPOLITAN/MARC	Spill Number: 9212269	Close Date: 07/20/2007
	402 METROPOLITAN AVENUE	BROOKLYN, NY	TT-Id: 520A-0045-080

MAP LOCATION INFORMATION
 Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 1392 feet to the SSW

ADDRESS CHANGE INFORMATION
 Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION	Spiller: JOSEPH MACCHIA, JR. - CITGO STATION/NORTHLAND	Spiller Phone: (516) 933-0700
Notifier Type: Other	Notifier Name:	Notifier Phone:
Caller Name: DONNA LAKE	Caller Agency: SOIL MECHANICS CO.	Caller Phone: (516) 221-7500
DEC Investigator: WXSUN	Contact for more spill info: JOSEPH MACCHIA, JR	Contact Person Phone: (516) 933-0700

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.
 Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/28/1993		TANK FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	-1.00	POUNDS	0.00	POUNDS	SOIL

Caller Remarks:

WILL BAIL WELL-WILL PULL TANK-OLD AND STEEL (O'DOWD)

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SUN"

10/10/95: This is additional information about material spilled from the translation of the old spill file: CONTAM MONITORING.

402 Metropolitan Avenue, Brooklyn

Owner: Estate of James J. Mannix and Joseph M. Mattone

Leased by: Joseph Macchia - Northland Marketing

Spill #8907310 reported on 10/24/89 when four 550 gallon underground storage tanks (USTs) failed a tank test.

Spill #9212269 was reported on 1/28/93 when Soil Mechanics (hired by the Estate of James Mannix and Joseph Mattone) installed three on-site monitoring wells and encountered 3 1/4 feet of gasoline in MW3.

Spill # 9213355 reported on 3/2/93 when six 550 USTs failed a tightness test. Repairs were made to the stick box and vent lines and the tanks passed a retest on 4/2/93

3/9/93 Case No. R2-0941-93-03 initiated.

12/6/94 Order on Consent No. R2-0966-93-03 signed by Joseph Macchia. All three spill numbers cited in Schedule B - Petroleum Discharge and Clean-Up Violations.

After the signing of the Consent Order, Macchia contracted Berninger Environmental as their consultant. Including the three wells installed by Soil Mechanics, there is now a total of thirteen monitoring wells both on and off-site. The site is currently on a monthly monitoring and bailing schedule. According to the February 2001 Monitoring Report, the hottest well is MW-3 (in the middle of the property, downgradient of the tank mat) with a total of .97 feet of floating product. The report also indicates that a total of 304 gallons of free product has been bailed from the site wells during these monthly visits.

In numerous meetings and letters dated 8/12/98 and 1/22/99 and 9/30/97, DEC required Northland to periodically perform Vacuum Enhanced Fluid Recovery (VEFR) until the tanks are removed and a permanent remediation system installed. According to DEC's file, VEFR was only performed on five occasions with a total of 267 gallons of free product recovered.

9/12/03

Letter mailed to Joe Macchia requiring additional investigation and remediation.

09/23/03

Reassigned from Rommel to Sun.

02/12/04-Sun-File Update by Sun:

-On 09/22/03, Joe Sun sent and also faxed a letter and Stipulation Agreement to Joseph Macchia, Jr. of Northland Marketing Corp. requesting complete delineation of petroleum contamination, submittal of Investigation Summary Report followed by a submittal of a Remedial Action Plan. The investigation must include, but not limited to the following: (1) Confirm groundwater flow direction by surveying site wells, (2) Install additional wells to delineate the contamination to the west, (3) Implement a sampling program, on a quarterly basis, for all non-product monitoring wells and analyze for EPA Method 8270 B/N and 8021 including MTBE, (4) Determine the type of product in MW-9 via product ID analysis, (5) Repair MW-3. Currently the cap for the 2" PVC casing cannot be placed due to insufficient clearance between top of casing and its manhole cover. The PVC casing needs to be shortened. The Department set a deadline of October 3, 2003 for signing of the Stipulation Agreement by the Respondent.

-Monthly Monitoring Report (January 2004, by Berninger Environmental, Inc. (Water Berninger, 631-588-2251): The monitoring wells were gauged on 12/22/03. The free phase products were detected on three monitoring wells: 0.59 feet on MW-1, 0.93 feet on MW-3 and 1.20 feet on MW-6. Snow/ice covered the following monitoring wells: MW-7, MW-8, MW-12 and MW-13, and thus those wells were not gauged. Consultant's Report stated that "it appears that other contractors are working on site, areas fenced off with locked gates, thus denying access to monitoring wells, for at least the sixth time drum for bailing product is missing, various utility mark outs, missing well designation markings etc."

-02/12/04-Joe Sun called the Manager of the current Used Car Services on-site (Alex Tulchistka, 718-388-2424) about what kind of construction activities are being performed onsite. He replied that no new construction activity is performed and no fence or locked gate was installed onsite as far as he knew. Joe Sun then called Walter Berninger again and informed him the conflict information from the Car Service Manager. Berninger will take the picture next time when they perform the monitoring activity and provide more details on gauging the monitoring wells.

12/30/04 File Update by Sun: On 12/21/04, Joe Sun mailed a letter to Kenneth Raisch and Christopher Todd of The Estate of James Mannix and Joseph Matton informing them that the Remedial Action Plan (RAP) submitted by their consultant, Advanced Site Restoration (ASR) has been reviewed by the Department and has the following comments:

- ASR proposed two remedial approaches for managing the petroleum-contaminated soil to be excavated on site. The first approach, transport off-site and proper disposal, is approved by the Department. The alternative, stabilization/solidification approach, is not approved as proposed. If ASR still wishes to pursue this approach the Department has the following comments and requirements which need to be addressed and a revised RAP needs to be resubmitted for review:

1. To evaluate the effectiveness of the proposed remedial process on the subject site, the horizontal hydraulic gradient at the site must be determined, and the hydraulic conductivity and porosity of the soil must be estimated. The seepage velocity and direction of the ground water flow must be calculated.

2. Redraft the "Soil Remediation" section (page 5) for clarity, and refer to the product as "cold mix asphalt" as is done in the

applicable Beneficial Use Determination (BUD) approvals.

3. The use of the term "cement based" (page 6, second to last paragraph) is potentially confusing. The 2001 amendment to BUD Approval 93-0007 allows for the addition of Portland Cement to improve the physical properties of the product, but the petroleum contamination is still stabilized with asphalt emulsion.

4. The sampling schedule required by the BUD (sampling method, analytical method, number of samples and timing of samples) should be tabulated and included in the RAP.

5. The proposed uses for the cold mix asphalt (see page 6, second to last paragraph) are not consistent with the BUD (see 2001 amendment to BUD Approval 93-0007, Operational Requirements, bullet 2). Use of this material as a substitute for conventional asphalt pavement would be a more appropriate application.

The Department has the following comments regarding the proposed free product recovery and groundwater remediation. These issues must be addressed in the revised RAP:

1. Provide the formula used to calculate the amount of BioRem required.

2. The plan to periodically re-inoculate the site with BioRem is troubling. If conditions are suitable for the constituent bacteria in BioRem to grow, re-inoculation would be unnecessary. If conditions are unsuitable for growth, the addition of more of the same bacteria will not change things. BioRem should be contacted to learn the optimum conditions for growth, and the acceptable concentrations. A sampling plan to determine if conditions on the site are within these ranges should be provided for review. BioRem should also provide information about the terminal electron acceptors utilized by their proprietary bacteria so the attenuative capacity of the site can be estimated, and compared to the concentration of residual contamination. This comparison is best done with TPH data, rather than the STARS list of compounds for gasoline spills that is usually requested.

3. There is a potential for LNAPL to be present in areas outside the limits of the proposed excavation. If this is confirmed, depending upon the estimated amount of LNAPL, another technology in addition to BioRem may be required for remediation.

4. The 8 to 18 month time frame allotted for bio-remediation is considerably longer than the 7 to 14 weeks stated in the BioRem H-10 Specification Sheet. A soil and ground water monitoring plan to track the bio-remediation should be developed, and included for review in the re-drafted RAP

5. The RAP should have a provision that samples will be collected and analyzed at the discretion of the ASR site supervisor (see page 9, second to last paragraph) or the direction of the DEC project manager.

6. If soil excavation does not commence soon after the product is removed from the wells with the vac-truck, the wells should be monitored daily for free product and the vac-truck recalled when appropriate.

03/01/05 File Update by Sun: On 02/28/05, Sun sent a letter to the property owner informing him that the Department has reviewed the revised remedial action plan (RAP), prepared by Advanced Site Restoration, LLC dated February 17, 2005. ASR proposed to excavate the contaminated soil and dispose of property off-site and use Bio Rem product H-10 for subsurface bioremediation of hydrocarbon contamination in groundwater. ASR also proposed to remove the free product with a vacuum truck if free-floating hydrocarbons are detected. The Department approves the revised RAP proposed in Reference 1, as noted below:

1. Collection of Soil Samples: As per DER-10 Section 5.4, soil samples must be collected from the bottom of each sidewall for every 30 linear feet of sidewall and one sample from the bottom for every 900 square feet of bottom area. In all cases, samples should be biased toward locations of highest expected contamination as indicated by field evidence or PID measurements.

2. Salvage of Existing Groundwater Monitoring Wells: Page 4 of the revised RAP in Reference 1 under Section 5.0 "Groundwater Remediation" stated that "ASR will attempt to salvage any groundwater observation wells still existing on the site. If additional wells are needed, they will be installed strategically, to maximize the data that can be obtained." It should be noted that according to the historical data, free product was detected in monitoring wells MW-1, MW-3, MW-6 and MW-11. These four monitoring wells and other existing wells must be restored at the same locations or at the locations to be consulted with the Department if they were destroyed during excavation.

11/11/05: Sun received UST Closure Report for the subject site, dated 11/07/05.

11/23/05: Review of the monthly report dated 10/19/05 indicated that Total BTEX ranged from <MDL to 20,900 ppb, and MTBE ranged from <NDL to 6,300ppb. A total of 16 Monitoring wells were gauged and sampled. Only one well (MW-11) had free phased product with thickness of 0.23 feet. (Sun)

12/13/05: Review of the monthly report dated 11/10/05 indicated that Total BTEX ranged from <MDL to 20,900 ppb (October, 2005), and MTBE ranged from <NDL to 6,300ppb (October, 2005). A total of 16 Monitoring wells were gauged and sampled. Only two wells (MW-11 & MW-12) had free phased product with max thickness of 0.49 feet. (Sun)

02/21/06: Review of the monthly report dated 02/10/06 indicated that Total BTEX ranged from <MDL to 13,060 ppb (December, 2005), and MTBE ranged from <NDL to 10,000ppb (December, 2005). A total of 16 Monitoring wells were gauged and sampled. Only two wells (MW-11 & MW-12) had free phased product with max thickness of 0.27 feet. (Sun)

11/14/06-Sun: Based on the Quarterly Report, dated 9/11/06, BTEX ranged 5,258 to 11,180 ppb, and MTBE ranged from 170 ppb to 8000 ppb. (Sun)

04/13/07-Sun: Sun the following email to Chris Tomasello: Hi Chris, I have reviewed the Remediation Progress Report, submitted by ASR, dated January 2007. The Department approves the following recommendations:

1. Stop sampling MW-4, MW-5, MW-6, MW-8, MW-10, MW-12, MW-13. and MW-16.
 2. Continue to sample and monitor the remaining groundwater monitoring wells for VOCs only using EPA 8260 method.
 3. Continue to monitor the concentrations of BTEX, MTBE, and Total VOCs from MW-1, MW-2, MW-3, MW-11, and MW-14.
 4. Continue to monitor the plate counts to determine the colony count for the bacteria.
- Upon review of the analytical results of new round of groundwater sampling data, the Department will determine if quarterly sampling event shall continue or petition for a NFA is warranted.
- The Department requires five days advanced notice of any remedial and/or monitoring events at the site. (Sun)

07/17/07-Sun: Review of the Remediation Progress report dated June 2007 prepared by Advanced Site Restoration, LLC (ASR) indicated that a total of five (5) groundwater monitoring wells were sampled on 5/2/07. Of the five (5) samples analyzed, four (4) indicated a total BTEX concentration of between 150 and 6,700 parts per billion (ppb), and the remaining one (1) well had

total BTEX concentrations of non-detect level. MTBE was detected above the New York State Water Quality Standards in two (2) of the five (5) groundwater monitoring wells. The concentration of the MTBE in both of these two (2) groundwater monitoring wells, was the lowest ever recorded during the twenty month samplin period. High levels of dissolved hydrocarbons have historically been detected in MW-14. MW-14 continues to show the highest levels of dissolved hydrocarbons, although they are at the lowest levels recoreded during twenty month history of sampling the site. Low levels of dissolved hydrocarbons also appeared in MW-1, MW-2.MW-3. AST proposes to monitor the concentration of BTEX, MTBE, and total VOCs by collecting and analyzing groundwater samples frm Mw-1, MW-2, MW-3, Mw-11 and MW-14. ASR will continue to monitor the heterotrophic plate counts to determine the colony count for the bacteria. ASR will continue to document the downward of the residual contamination, to demonstrate that concentrations will continue to acceptable TAGM 4046 Groundwater Standards.

07/20/07-Sun: Review of the groundwater sampling report dated July 14, 2007 prepared by Advanced Site Restoration, LLC (ASR) indicated that the groundwater sample collected from MW-14 wells on 7/12/07 indicated a total BTEX concentration at 318 parts per billion (ppb), including Benzene concentration at 52 ppb, and MTBE concentration at 340 ppb. MW-14 has been historically the hot spot with highest BTEX and MTBE concentrations. Based on these low concentratiuons of BTEX and MTBE and continued downward trend in concentrations of BTEX and MTBE, the spill is closed and NFA letter will be issued. (Sun)

08/16/07-NFA letter was sent to RP and ASR. (Sun)

Map Identification Number 45 	GAS STATION 392 LEONARD STREET	BROOKLYN, NY	Spill Number: 0310672	Close Date: 12/16/2003 TT-Id: 520A-0051-714
MAP LOCATION INFORMATION Site location mapped by: MANUAL MAPPING (3) Approximate distance from property: 1400 feet to the ENE		ADDRESS CHANGE INFORMATION Revised street: NO CHANGE Revised zip code: NO CHANGE		
Source of Spill: GASOLINE STATION	Spiller:	Spiller Phone:		
Notifier Type: Citizen	Notifier Name: ANNOYOMOUS	Notifier Phone:		
Caller Name: ANNOYOMOUS	Caller Agency:	Caller Phone:		
DEC Investigator: SMSANGES	Contact for more spill info: ANNY	Contact Person Phone: (203) 876-7430		

Category: Possible petroleum release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters, known releases with no potential for damage, or non-petroleum/non-hazardous spills.
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/16/2003		TANK FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	0	POUNDS	0	POUNDS	SEWER

Caller Remarks:

CALLER DOES NOT WISH TO GIVE HIS NAME, BUT STATES THAT THE GAS STAION IS POLLUTING THE SEWER BY A BROKEN HOSE OR OTHER, THEY ARE SWEEPING INTO THE SEWER SYSTEM. CALLER VERY CONCERNED.UNKNOWN AMOUNTS. WOULD LIKE SOMEONE TO COME CHECK OUT.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SANGESLAND"

Map Identification Number 46 **STREET SPILL** **Spill Number: 0410795** **Close Date: 01/06/2005**
 HOPE STREET AND RODNEY ST BROOKLYN, NY TT-Id: 520A-0039-225

MAP LOCATION INFORMATION
 Site location mapped by: ADDRESS MATCHING
 Approximate distance from property: 1798 feet to the S

ADDRESS CHANGE INFORMATION
 Revised street: HOPE STREET / RODNEY ST
 Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL VEHICLE Spiller: ROBERT RICHARDS - BERNHARDT FURNITURE COMP Spiller Phone: (800) 438-7057
 Notifier Type: Fire Department Notifier Name: JOESPH MCGOVERN Notifier Phone: (718) 476-6288
 Caller Name: JOESPH MCGOVERN Caller Agency: NYC FIRE DEPT HASMAT1 Caller Phone: (718) 476-6288
 DEC Investigator: TJDEMEO Contact for more spill info: JOESPH MCGOVERN Contact Person Phone: (718) 476-6288

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/03/2005		TANK FAILURE	YES	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	50.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

SANTITATION ON SCENE.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 47 **STREET** **Spill Number: 0410793** **Close Date: 01/06/2005**
 HOPE STREET AND RODNEY ST BROOKLYN, NY TT-Id: 520A-0039-224

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING
 Approximate distance from property: 1798 feet to the S

ADDRESS CHANGE INFORMATION

Revised street: HOPE STREET / RODNEY ST
 Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL VEHICLE	Spiller: UNKNOWN VESSEL	Spiller Phone:
Notifier Type: Fire Department	Notifier Name: DISPATCHER 368	Notifier Phone: (718) 965-8261
Caller Name: DISPATCHER 368	Caller Agency: BROOKLYN FIRE DEPT	Caller Phone: (718) 965-8261
DEC Investigator: TJDEMEO	Contact for more spill info: DISPPATCHER 368	Contact Person Phone: (718) 965-8261

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Any Type of RP Including No RP - No DEC Field Response - Corrective Action by Spill Response Not Required

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
01/03/2005		TANK FAILURE	YES		NO	

Material Spilled	Material Class	Quantity Spilled		Quantity Recovered		Resource(s) Affected
		Units		Units		
DIESEL	PETROLEUM	100.00	GALLONS	0.00	GALLONS	SEWER

Caller Remarks:

IN PROCESS OF CLEAN UP.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 48



NATIONS RENT

91 NORTH 12TH ST

BROOKLYN, NY

Spill Number: 0003390

Close Date: 12/09/2003

TT-Id: 520A-0051-124

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 2306 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: 91 N. 12TH ST
 Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Other

Caller Name: DAN CALLAHAN

DEC Investigator: SMSANGES

Spiller: UNKNOWN - UNKNOWN

Notifier Name: DAN CALLAHAN

Caller Agency: TYREE CORP

Contact for more spill info: CALLER

Spiller Phone:

Notifier Phone: (631) 249-3150

Caller Phone: (631) 249-3150

Contact Person Phone:

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.

Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/19/2000		TANK FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled		Quantity Recovered		Resource(s) Affected
		Spilled	Units	Recovered	Units	
DIESEL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL
HYDRAULIC OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL
MOTOR OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL
WASTE OIL/USED OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

caller reporting a spill of material from a leaky tank no clean up as of yet and no callback is necessary

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SANGESLAND"
 6/20 SPOKE WITH TYREE..CLEANUP IN PROGRESS, WILL TAKE END POINT SAMPLES

3/15/01 HISTORICAL SITE CLEANUP MANAGED BY S. SANGESLAND

This duplicate spill number is closed.

Ref SPILL #9906462



CLOSED STATUS TANK TEST FAILURES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 49 **CLOSED-LACKOF RECENT INFO** **Spill Number: 8706710** **Close Date: 03/04/2003**
 275 NORTH 8TH ST. NEW YORK CITY, NY TT-Id: 520A-0046-974

MAP LOCATION INFORMATION
 Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 617 feet to the SSE

ADDRESS CHANGE INFORMATION
 Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER Spiller: OUR LADY OF MT. CARMEL Spiller Phone: (718) 384-0223
 Notifier Type: Tank Tester Notifier Name: Notifier Phone:
 Caller Name: Caller Agency: Caller Phone:
 DEC Investigator: ADMIN. CLOSED Contact for more spill info: Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/06/1987		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	-1.00	POUNDS	0.00	POUNDS	GROUNDWATER

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		Unknown	0.00	UNKNOWN

Caller Remarks:

5K TANK FAILED WITH A HIGH VOLUME LEAK, WILL EXCAVATE, ISOLATE, AND RETEST. CONTACT: FR. CASSARO (718) 384-0223. CLOSED DUE TO LACK OF ANY RECENT INFO- DOES NOT MEET ANY CLEAN UP REQUIREMENTS.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ADMIN.CLOSED"
03/04/2003-Closed Due To The Nature / Extent Of The Spill Report

Map Identification Number 50 **64 FROST ST** **Spill Number: 9601530** **Close Date: 08/05/2010**
 64 FROST STREET BROOKLYN, NY 11211 TT-Id: 520A-0048-055

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1051 feet to the E

ADDRESS CHANGE INFORMATION

Revised street: 64 FROST ST
Revised zip code: NO REVISION MADE

Source of Spill: COMMERCIAL/INDUSTRIAL	Spiller: MEEKER DISCOUNT MUFFLERS	Spiller Phone: (718) 388-3329
Notifier Type: Tank Tester	Notifier Name: TOM LEDDY	Notifier Phone: (516) 321-4670
Caller Name: TOM LEDDY	Caller Agency: PRO TEST COMPANY	Caller Phone: (516) 321-4670
DEC Investigator: hrpatel	Contact for more spill info:	Contact Person Phone: (718) 388-3329

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.

Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
04/30/1996		TANK TEST FAILURE	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
1-5	550	Horner EZ Check I or II	0.00	FAIL

Caller Remarks:

caller believes its a bad line - 5 - 550 gal tanks manifolded together

DEC Investigator Remarks:

3/11/03 - SAMUEL- File available in active unassigned spill files.

4/3/06 Diaz - Next Steps - February 2000 Investigation report stated further investigation & possible remedial work recommended. Verify & conduct work or close site.

6/28/07. J.Krimgold reviewed and approved IWP submitted by FPM Group (631-737-6200) on June 27, 2007. The plan calls for 4 soil/gw samples around tanks excavation pit

5/21/08. email from FPM's Ben Cancemi informed that excavation and sampling activities will commence on 5/22/08.

02/12/09-Hiralkumar Patel. contaminated groundwater (with sheen) was discovered under basement floor at 684 Lorimer Street, site located behind subject gas station. based on location of both sites, contamination under house at 684 Lorimer street might be originated from subject gas station site.

based on recent findings, case transferred from DEC Jacob to DEC Patel.

found following documents for the subject site:

- tank closure environmental site assessment, Nov. 1999
- subsurface investigation report, Feb. 2000
- subsurface investigation work plan, Jun. 27, 2007
- subsurface investigation report and remedial action plan, Sep. 10, 2007

abstract of tank closure report, Nov. 1999:

- total of eight 550 gal and one 3000 gal USTs were removed including all pipings and portions of pump islands
- all of the tank in very good condition and exhibited no evidence of corrosion
- five of the tanks were empty, and three tanks were filled with concrete
- 3000 gal tank contained approx. 1300 gal of water and petroleum products
- total of eight soil and water samples were collected after tank removal
- depth to groundwater ranged from 14-16 ft bg <-----
- according to fire department record, in Nov. of 1984, the eight 550 gal tanks failed the official 10 year test
- in sept. of 1985, three 550 gal were purged and filled with concrete
- one pump was removed and all associated lines were sealed
- highest PID readings were noted at an average depth of 10 to 15 ft <-----
- fine to medium sized grain sand with clay lenses were found to a level of 12 to 14 ft bg
- a layer of one foot in thickness of peat-like material intermixed with clay occurred at about 16 ft bg
- found xylene contamination in east and north sidewall samples
- found contamination in groundwater samples

soil analyticals:

-----Xylene
North----4,600
East----13,500

groundwater analyticals:

-----west bottom pit-----east bottom pit
Benzene-----160-----230
Toluene-----200-----230
Ethylbenzene-----97-----120
Xylene-----1,410-----1,520
Naphthalene-----390-----640
MTBE-----1,900-----2,300

abstract of subsurface investigation report, feb. 2000:

- eight borings (B1 thru B8) were advanced and collected soil and groundwater samples from borings
- borings B1, B2 and B5 thru B8 were advanced in the immediate vicinity of the former tank field and borings B3 and B4 advanced near the west property line
- groundwater found at 10 ft depth- soil samples collected at 8-10 ft depth from each boring except boring B4 where no sample collected; additional soil sample collected from boring B1 at 0-4 ft depth
- high PID reading found during borings
- contamination found in soil and groundwater samples

PID readings:

-----0-4-----4-8-----8-10
B1-----1,120-----1,160-----1,190
B5-----110-----20-----55
B6-----2,010
B7-----640

soil analyticals:

-----B1-----B1-----B6
 0-4 ft 8-10 ft 8-10 ft
Benzene-----<250
Xylene-----25,000-----5,300-----1,200
1,2,4-Trimethylbenzene--14,000
1,3,5-Trimethylbenzene--23,000-----3,200

groundwater analyticals:

-----GW1----GW-3----GW-4----GW-5----GW-6----GW-7----GW-8

Benzene-----	2,900
Toluene-----	520-----540
Ethylbenzene-----	120-----160-----260---1,700
Xylene-----	360-----640-----420---2,000---15,000
Naphthalene-----	140-----700
MTBE-----	260-----180-----830-----120---1,200---1,500---7,000
1,2,4-Trimethylbenzene---	210-----190-----750---3,600
1,3,5-Trimethylbenzene---	330-----170-----300---1,700---7,200

abstract of subsurface investigation report, Sep., 2007:

- four soil boring were installed to final depth of 15 ft bg
- soils encountered at the property generally consisted of fine to medium grained sand with gravel and trace amount of silt and clay from just below grade to the top of blue-green clay layer
- the top of the blue-green clay layer was evident in all of the borings at depths ranging from approx. 12.5 to 14.5 ft bg
- the blue-green clay layer showed no indications of potential contamination and was not fully penetrated by any of the borings
- staining and petroleum odors were generally observed in the soils from all of the borings in an interval near the water table surface, which was generally encountered at 8 to 8.5 ft bg
- interval of staining/odor was variable in thickness and ranged from approx. one foot at boring B4 to approx. 7 ft at boring B1
- PID readings in stained soils generally ranged between 10 and 60 ppm
- groundwater samples collected from each borings
- no free-phase product was observed in any borings
- found contamination in soil and groundwater samples

soil analyticals:

-----B1 (7-8 ft depth)	
Benzene-----	7,000
Toluene-----	200,000
Ethylbenzene-----	110,000
Xylene-----	620,000
Naphthalene-----	56,000
1,2,4-Trimethylbenzene--	510,000
1,3,5-Trimethylbenzene--	150,000

groundwater analyticals:

-----B1-AQ-----	B2-AQ-----	B3-AQ-----	B4-AQ
Benzene-----	1,500		
Toluene-----	3,700		
Ethylbenzene-----	1,100		
Xylene-----	4,900		
Naphthalene-----	470-----	120	
MTBE-----			300

1,2,4-Trimethylbenzene-----1,500-----140-----440
1,3,5-Trimethylbenzene-----370

abstract of remedial action plan, Sept. 2007:

- proposed to excavate impacted soils in the vicinity of boring B1
- "based on relatively low levels of groundwater impact, its apparently limited extent, and the apparent absence of free-phase product, no groundwater remediation recommended"
- three groundwater wells are proposed to be installed for groundwater flow direction determination
- each well will be installed to a depth of no more than 14 ft, so as not to penetrate the clay underlying the property
- each well will be installed with 10 ft of screen

summary:

- groundwater found at different depths: 14-16 ft during tank removal, 10 ft during subsurface investigation in 2000 and at 8.5 ft during subsurface investigation in 2007
- no groundwater flow direction available
- no permanent wells installed at the site
- heavy soil and groundwater contamination found during each investigation
- contamination found in all sides of previous tank location
- DEC Jacob issued RAP approval letter on Oct. 4, 2007 <-----
- as per email from Ben Cancemi from FPM group, excavation according to approved RAP was scheduled on 05/22/08 <-----

Paul's LLC **site owner**
318 Grand Street
Brooklyn, NY 11211
Attn.: Paul Joffe
Ph. (718) 486-6916 (O)
 (917) 693-3292 (C)
email: pauljoffe@pauljoffe.com

according to building department permit record, Mr. Joffe applied for permit to convert service station into dinning location.

found another spill case reported at the gas station site.

- 9806871: spill called in by citizen on 09/04/1998 about abandoned tanks; tipped over. spill closed on 02/26/2003.

left message for Mr. Joffe.

received call from Mr. Carter from Mr. Joffe's office. informed him about situation. Mr. Carter doesn't know much about this site but will ask Mr. Joffe to call back.

Nathan Carter
Ph. (718) 486-6804

02/13/09-Hiralkumar Patel. left message for Mr. Joffe.

left message for Ben Cancemi, consultant who was going to perform remedial activities.

Ben T. Cancemi, CPG
FPM Group
Ph. (631) 737-6200
Fax (631) 737-2410
email: b.cancemi@fpm-group.com

02/17/09-Hiralkumar Patel. received call from Ben from FPM Group. they excavated contaminated soil to water table in front of stores and installed three monitoring wells in June 2008. but haven't got authorization to sample these wells. Ben mentioned that endpoint sample analyticals were clean. asked Ben to submit sample analytical summary table and scaled site map with locations of endpoint samples and wells. also asked him to include approx. location of tank and dispenser islands.

received email from Ben with sample analytical summary table with site plan showing endpoint sample and well locations. site plan shows that wells were installed in front of stores on-site. but no well observed during site visit, but found some fresh patches in concrete (which could be location of wells).

received call from Mr. Joffe. asked him to submit remedial action report by the end of March 06, 2009. he mentioned that area between his property and houses along Lorimer street is a commercial property at 297 Meeker Ave which is a paint shop.

02/18/09-Hiralkumar Patel. received email from Ben. they will do well sampling on 02/20/09.

02/20/09-Hiralkumar Patel. visited site. met Mr. Joffe and John (FPM group). monitoring wells found in front of store. groundwater was found around 6-7 ft bg. found sheen on water from each wells. will submit sample analyticals and groundwater flow direction.

during site visit, noticed an auto repair shop at 59 Frost Street. met store manager. site has one 275 gal waste oil AST. tank is not registered. asked manager to register tank. sent email to DEC Jacob regarding un-registered waste oil tank at 59 Frost St. no parts cleaning operation at the auto repair shop.

Billy Alex
Unique Auto Repair
59 Frost St
Brooklyn, NY 11211
PH. (718) 387-7537
Fax (718) 384-6180
email: uniqueauto59@gmail.com

during site visit, Mr. Joffe mentioned that site at 297 Meeker Ave runs from Meeker Ave to Frost Street, between the subject gas station and house at 684 Lorimer st where contaminated water was found. Mr. Joffe mentioned that there is painting business at 297 Meeker Ave.

owner's address for 297 Meeker Ave, from property shark:

Wanda Berry
56 Frost St.
Brooklyn, NY 11211
Ph. (516) 627-4245

owner's address for 297 Meeker Ave, from ACRIS:

Wanda Berry
PO Box 131
Manhasset, NY 11030-0131

02/23/09-Hiralkumar Patel. received email from Mr. Joffe. he found from NYC DOB that site across frost st was dry cleaner and had seven 1000 gal USTs.

03/06/09-Hiralkumar Patel. received remedial action report from Ben. abstract:

- 186.34 tons of contaminated soils were excavated from southern portion of the former UST area and in proximity to the location of a reported former fuel dispensing island
- two endpoint bottom samples and four endpoint sidewall samples collected from excavation
- found some contamination in endpoint bottom sample from north end of excavation
- additional soil was removed from the north end and collected additional endpoint bottom sample
- sidewall samples were taken at 7 ft bg and bottom samples taken at 11 ft bg (means bottom endpoint samples were taken below water table)
- three monitoring wells (MW-1 through MW-3) were installed in proximity to the former soil boring locations B1 through B3 (borings that done during subsurface investigation in 2007)
- well MW-2 installed at previous boring B1 and MW-3 installed at previous boring B3
- wells were installed to a depth of approx. 14 ft bg and completed with ten feet of screen
- groundwater was found at around 8 ft depth <-----
- site-specific groundwater flow direction is to the northeast <-----
- no free-phase product or other visible indications of potential contamination were observed
- found MTBE contamination in all three wells

-----MTBE
MW-1-----12
MW-2-----150
MW-3-----50

report missing scaled site map.

03/13/09-Hiralkumar Patel. spoke with Ben at FPM. asked him to submit scaled site map with all previous sampling/well locations. asked Ben about any dewatering as soil was removed from below water table also. Ben mentioned that water was coming into excavation so slowly. they were removing soil from excavation and wait till water from excavation bucket drain out before loading

soil for disposal. so no dewatering happened.

summary: during all previous investigations, highest contamination was found towards the west end of property, in close proximity to existing well MW-2. and MW-2 is the downgradient well at the property edge.

based on results of high soil and groundwater contamination in area of MW-2 and groundwater flow direction, requires off-site groundwater investigation. requires off-site well downgradient from existing well MW-2.

spoke with Mr. Joffe. explained him findings of previous investigations and asked him for one more well downgradient from well MW-2.

sent letter to Mr. Joffe requiring delineation of possible soil and groundwater contamination, downgradient from well MW-2. letter emailed to Mr. Joffe and Ben.

03/27/09-Hiralkumar Patel. received email from Mr. Cancemi with site map including location of proposed downgradient well.

03/30/09-Hiralkumar Patel. received email from Mr. Cancemi. he is planning to install well on April 08, 2009. sent email to Mr. Cancemi approving proposed location.

05/11/09-Hiralkumar Patel.

1:35 PM:- received report from Mr. Cancemi. abstract:

- off-site well installed (MW-4), about 20 ft downgradient from well MW-2
- well installed to a depth of approx. 14 ft bg with 10 ft of screen
- soil generally consisted of fine to medium-grained silty sand with gravel and trace amount of clay. brick, wood, coal, ash and concrete fragments were noted in the entire screen interval, but were more abundant in the top five ft of boring
- faint petroleum odors and PID responses were noted on soils from 8 to 9 ft interval; no odor or PID noticed in other intervals
- groundwater was found at approx. 7.5 ft bg <-----
- one soil sample collected just above water table and one at 8-9 ft depth (below water table)
- no free product observed in any wells on site
- groundwater flow towards northeast <-----
- 1,400 ppb of MTBE found in soil sample at 8-9 ft depth
- 98 ppb of MTBE found in groundwater sample from MW-4

05/29/09-Hiralkumar Patel.

10:46 AM:- sent letter to Mr. Joffe requiring surrounding area site map (with possible off-site source) and quarterly groundwater monitoring and sampling for a period of one year (including wells gauging during each sampling events to define site specific groundwater flow direction). letter emailed to Mr. Joffe and Mr. Cancemi.

09/24/09-Hiralkumar Patel.

3:20 PM:- spoke with Ben. they submitted proposal to Mr. Joffe but hasn't heard back.

3:22 PM:- spoke with Mr. Joffe. he will ask Ben to conduct groundwater sampling.

09/29/09-Hiralkumar Patel.

12:13 PM:- received email from Ben. he will sample wells on 10/01/09. he mentioned that previous samples were analyzed for VOCs only as gasoline spill was the cause. he asked whether SVOC analysis needed for groundwater samples.

12:45 PM:- sent email to Ben to analyze samples for VOCs only.

12/01/09-Hiralkumar Patel.

3:26 PM:- spoke with Mr. Joffe. he spoke with Ben today. Ben is preparing report. asked Mr. Joffe to submit report by the end of 12/11/09.

12/02/09-Hiralkumar Patel.

11:20 AM:- received quarterly groundwater sampling rept from Ben. sampled all four wells in Oct. 2009. minor MTBE contamination found in samples. will sample all wells again in Jan. 2010.

12:42 PM:- sent email to Ben asking to submit next quarterly report by end of Feb. 2010. email copied to Mr. Joffe.

12/11/09-Hiralkumar Patel.

11:20 AM:- received email from Ben including site map showing surrounding area use.

01/25/10-Hiralkumar Patel.

3:41 PM:- received message from Daniel Cole (212-341-0964) from NYC DEP. he mentioned that subject site is e-designated and currently reviewing closure report. Mr. Cole wants to know spill status.

01/26/10-Hiralkumar Patel.

2:40 PM:- received email from Ben. they collected second round of groundwater sampling last week and will submit second quarterly report once lab data is available.

3:06 PM:- spoke with Mr. Cole. Mr. Cole asked if DEC requires anything more than quarterly monitoring. informed Mr. Cole that the department may require additional work based on quarterly groundwater sampling reports. Mr. Cole mentioned that owner did air monitoring. asked Mr. Cole to send copy of air monitoring report. he will email the report.

02/11/10-Hiralkumar Patel.

8:23 AM:- received second quarterly report from Ben. minor MTBE contamination found in groundwater samples (MW-3: 20 ppb, MW-4: 40 ppb). will sample wells in Apr. 2010.

05/12/10-Hiralkumar Patel.

1:56 PM:- received third quarterly report from Ben. minor MTBE contamination found in groundwater samples (MW-3: 23 ppb, MW-4: 57 ppb). will sample wells in July 2010.

08/05/10-Hiralkumar Patel.

8:57 AM:- received fourth quarterly report from Ben. minor MTBE contamination found in groundwater samples (MW-3: 20 ppb, MW-4: 25 ppb).

based on submitted documents, case closed.

2:50 PM:- spill closure letter emailed to Mr. Joffe. email copied to Ben.

Map Identification Number 51 **MARTIN GURSHON**
 179 NORTH 6TH STREET

BROOKLYN, NY

Spill Number: 0902485

Close Date: 11/20/2009
 TT-Id: 520A-0229-644

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
 Approximate distance from property: 1141 feet to the W

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
 Notifier Type: Local Agency
 Caller Name:
 DEC Investigator: JMKRIMGO

Spiller: MARTIN GURSHON
 Notifier Name:
 Caller Agency:
 Contact for more spill info: MARTIN GURSHON

Spiller Phone:
 Notifier Phone:
 Caller Phone:
 Contact Person Phone: (212) 267-4459

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/01/2009		TANK TEST FAILURE	YES	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	UNKNOWN	0	UNKNOWN	

Caller Remarks:

1518 The caller advised dispatch the tank has failed their test and requested to obtain a spill number. No water ways have been affected. This was just a tank test failure. The owner will be incharge of the fixing of the system. At this time chemicals have spilled. 4000 gallon underground tank.

DEC Investigator Remarks:

TTF sent to property manager:
 Mr. Martin Gurshon
 233 Broadway - Suite 2704
 New York, NY 10279

11/20/09. J.Kringold reviewed the letter report submitted by Pro Test Enviro and dated 10/30/09. According to the letter the tank system failed the test due to a leak in the supply and/or return lines. The damaged portions of these line were replaced and the tank system retested and passed. During excavation of piping contaminated soil was encountered. This soil was excavated, drummed and properly disposed of. End point samples show no contaminant above TAGM limits. Case closed.

Map Identification Number 52



179 N 6TH STREET

BROOKLYN, NY

Spill Number: 0104288

Close Date: 12/12/2003

TT-Id: 520A-0045-648

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
 Approximate distance from property: 1141 feet to the W

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Tank Tester
 Caller Name: JIM DONELAN
 DEC Investigator: TJDEMEO

Spiller:

Notifier Name: JIM DONELAN
 Caller Agency: PROTEST ENTERPRISES
 Contact for more spill info: MARY JANE TREVZEN

Spiller Phone:

Notifier Phone: (631) 321-4670
 Caller Phone: (631) 321-4670
 Contact Person Phone: (718) 387-2316

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors),
 contamination of drinking water supplies, or significant release to surface waters.
 Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/23/2001		TANK TEST FAILURE	NO	NO

NO MATERIAL INFORMATION GIVEN FOR THIS SPILL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
1	4000	Horner EZ Check I or II	0.00	FAIL

Caller Remarks:

tank contained #2 fuel oil

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "DEMEO"
 11/28/2001 Tank passed EZY 3 LP test on 9/7/01. jz

12/12/03 TJD

Spill closed based on above entry.

Map Identification Number 53 **ST VINCENT DEPAUL CHURCH** **Spill Number: 0301163** **Close Date: 12/21/2005**
 167 N. 6TH ST BROOKLYN, NY TT-Id: 520A-0045-649

MAP LOCATION INFORMATION
 Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 1229 feet to the W

ADDRESS CHANGE INFORMATION
 Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER Spiller: FR. KING - ST VINCENT DEPAUL CHURCH Spiller Phone: (718) 388-4218
 Notifier Type: Tank Tester Notifier Name: T J OCONNOR Notifier Phone: (516) 678-5115
 Caller Name: T J OCONNOR Caller Agency: DRY AS A BONE Caller Phone: (516) 678-5115
 DEC Investigator: JBLISTER Contact for more spill info: FR. KING Contact Person Phone: (718) 388-4218

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors),
 contamination of drinking water supplies, or significant release to surface waters.
 Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
05/01/2003		TANK TEST FAILURE	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
001	5000	Horner EZ Check I or II	0.00	FAIL

Caller Remarks:

tank test failure

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "KRIMGOLD"
 05/02/03 - ROSSAN, DDO - Tank test failure letter was sent 5/2/03

Letter was sent to: Fr. King

St Vincent De Paul Church

Caller Remarks:

RECOMMEND TO UNCOVER-EVALUATE AND RE-TEST

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "DEMEO"
9/23/03, ROSSAN; DDO: Tank test failure letter was prepared and

sent to:

Mr. Frank Dross

F N W Mechanical

139 North 10th Street

Brooklyn, NY 11211

Ed.

10/3/05: CBN

Called Phil Fazin, the tank tester and was told he would get back to DEC with more info.

9/22/06 ttf letter sent to owner:

Sandra Maislen

San Ten Raz LLC

120 Pleasant St., Apt. 2

Brookline, MA 02446

bf

11/13/06 On 10/12/06, received letter from Sandra Maislen in response to ttf letter. Reviewed letter and the attachments. The fill line, stick line, and vent line failed. I called Petroleum Tanks to see if they remember detecting any contamination when lines were replaced. I was told Mark Salamack was the person in charge of the tank repairs. He was in a meeting at the time of the call and I left a message for him to call me. Mr. Salamack (718-624-4842) called me back and told me that there was no observed contamination and no elevated reading on the PID meter used at the time of the repairs. NFA. bf

Map Identification Number 55



CLOSED-LACKOF RECENT INFO

167 NORTH 5TH STREET

NEW YORK CITY, NY

Spill Number: 8906957

Close Date: 03/06/2003

TT-Id: 520A-0045-651

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 1350 feet to the WSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
 Notifier Type: Tank Tester
 Caller Name: WILLIAM GUNDERSON
 DEC Investigator: ADMIN. CLOSED

Spiller: ST. VINCENT CHURCH
 Notifier Name:
 Caller Agency: GND
 Contact for more spill info:

Spiller Phone:
 Notifier Phone:
 Caller Phone: (516) 933-1085
 Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
10/16/1989		TANK TEST FAILURE	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	-1.00	POUNDS	0.00	POUNDS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		Unknown	0.00	UNKNOWN

Caller Remarks:

5K TANK FAILED PETRO TITE WITH A GROSS LEAK, WILL EXCAVATE, ISOLATE & RETEST.CLOSED DUE TO LACK OF ANY RECENT INFO- DOES NOT MEET ANY CLEAN UP REQUIREMENTS.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ADMIN.CLOSED"
 03/06/2003 Closed Due To The Nature / Extent Of The Spill Report

Map Identification Number 56 **402 METROPOLITAN AVE.**
 402 METROPOLITAN AVENUE

BROOKLYN, NY

Spill Number: 9213355

Close Date: 05/04/1995
 TT-Id: 520A-0045-081

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 1392 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION
 Notifier Type: Tank Tester
 Caller Name: CHRISTINA NALBONE
 DEC Investigator: O'DOWD

Spiller: UNKNOWN OWNER-LANDLORD
 Notifier Name:
 Caller Agency: VIC CONSTRUCTION
 Contact for more spill info:

Spiller Phone: (718) 961-8880
 Notifier Phone:
 Caller Phone: (718) 497-3191
 Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
03/02/1993	05/04/1995	TANK TEST FAILURE	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE MTBE (METHYL-TERT-BUTYL ETHER)	PETROLEUM HAZARDOUS MATERIAL	0	POUNDS	0	POUNDS	SOIL
		0	UNKNOWN	0	UNKNOWN	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		Unknown	0.00	UNKNOWN

Caller Remarks:

TO EXCAVATE & INVEST & POSSIBLY REPAIR SEE SPILL # 9212269.

DEC Investigator Remarks: DEC INVESTIGATOR REMARKS NOT AVAILABLE FOR THIS SPILL ACCORDING TO THE LAST UPDATE.

The following DEC Investigator Remarks were available prior to 1/1/2002:

10/10/95: This is additional information about material spilled from the translation of the old spill file: NO LEAD.

Maximum MTBE concentration: 98805.0 PPB
BTEX offsite: No

Current MTBE concentration: 98805.0 PPB

Source of MTBE

Number of private drinking water wells impacted: 0
Number of public water supply wells impacted: 0
Number of private drinking water wells impacted: 0
Number of replacement wells drilled: 0
Number of water main extensions: 0
Number of water main hookups: 0
Number of residences provided w/ bottled water: 0
Number of people affected: 0

Steel Underground Storage Tank -
Fiberglass Underground Tank -
Aboveground Storage Tank -
Piping - X
Source not identified -
Other source -

Indoor Air Impacts : No
Aquifer Impacts : Yes

Ongoing remediation: Yes

Monitoring Frequency

Monthly - Quarterly - X Semi-annual - Annual - Other -

Remedial Action used

No Action -

Groundwater

Soil

Pump and Treat - X
Air sparging -
Bioreactor -
Natural attenuation -
Oxygen injection -
Biosparging -
Dual phase extraction -
Other -

Soil Vapor extraction -
Excavation and disposal -
Bioremediation -
Low temp thermal desorption -
Oxygen injection -
Other -

Under investigation: No
Dept. of Health involvement: No

Dept. of Health Remarks: No remarks given for this spill

General Remarks: Impacted upper glacial aquifer.

Map Identification Number 57 **402 METROPOLITAN AV/BKLYN** **Spill Number: 8907310** **Close Date: 05/04/1995**
 402 METROPOLITAN AVENUE BROOKLYN, NY TT-Id: 520A-0045-079

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 1392 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL Spiller: DITAL ENERGY CORP Spiller Phone: (718) 384-2705
 Notifier Type: Tank Tester Notifier Name: Caller Agency: KALCO Notifier Phone:
 Caller Name: HOWARD KALMAN Contact for more spill info: Caller Phone: (718) 626-8083
 DEC Investigator: SULLIVAN Contact Person Phone:

Category: Known release which created a fire/explosion hazards (inside or outdoors), drinking water supply contamination, or significant releases to surface waters.
 Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved	Meets Cleanup Standards	Penalty Recommended
10/24/1989	05/04/1995	TANK TEST FAILURE	2-402850	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	-1.00	POUNDS	0.00	POUNDS	GROUNDWATER

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		Unknown	0.00	UNKNOWN

Caller Remarks:

(4) 550 GAL TANKS MANIFOLDED FAILED AIR PRESSURE TEST WITH A LEAK RATE OF 1.5LBS/1/2HR, NYCFD ON SCENE, TANKS TO BE ISOLATED & RETESTED. SEE SPILL # 9212269.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 58 **154-158 NORTH 7TH ST/BKLY**
 154-158 NORTH 7TH STREET

BROOKLYN, NY

Spill Number: 8909928

Close Date: 06/18/2008
 TT-Id: 520A-0044-432

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
 Approximate distance from property: 1444 feet to the W

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
 Notifier Type: Tank Tester
 Caller Name: NAT MOSER
 DEC Investigator: BKFALVEY

Spiller:
 Notifier Name:
 Caller Agency: GND
 Contact for more spill info:

Spiller Phone: (718) 388-9360
 Notifier Phone:
 Caller Phone: (516) 933-1085
 Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
01/16/1990		TANK TEST FAILURE	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	-1.00	UNKNOWN	0.00	UNKNOWN	GROUNDWATER

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		Unknown	0.00	UNKNOWN

Caller Remarks:

3K TANK FAILED PETRO TITE WITH A LEAK RATE OF -.161GPH.

DEC Investigator Remarks:

Tank test failure. PBS file shows tank in service, but next tank tes due prior to the date of this spill. PBS registration expired in 2000. Need to follow up.

9/22/06 left message for attorney found on deed to contact Williamsburgh Square LLC (new owner as of 2003). address:154 N. 7th St., Brooklyn 11211. deed had no individual's name (only corporation). bf

4/30/08 Sent Old TTF letter to:

Jerry Lebedowicz
 Williamsburg Square LLC
 52-47 Browvale Lane
 Little Neck, NY 11362

Address obtained from tank closure application. bf

5/2/08 Received message from J. Lebedowitz to call him back. bf

5/5/089 Received call from J. Lebedowitz tank was closed. Athena Environmental sampled after tank was removed. bf

6/18/08 Yesterday, recieved message from Spiro of (Name not clear) Environmental Services. He requested call back to (718)784-7490. I called the number today, but number is not in service at this time and no further informatuion is available. Review of PBS file shows tank was closed in 2008. They should have closure report. Called Jerry Lebedowicz and left message to call me back. His number (from PBS application) is (718)784-7490. Mr. lebedowicz hand-delivered sampling results from Athenica Environmental Services. One contaminant was above soil clean-up objectives to protect gw quality: chrysene (690 ppb) in sample B-3. Faxed nfa letter to Mr. Lebedowicz. Fax: (718)229-7111. Also mailed letter to him at address above. NFA. bf

Map Identification Number 59	AUTOMOTIVE HIGH SCHOOL - TTF		Spill Number: 0900454	Close Date: 03/22/2011
	50 BEDFORD AVENUE	BROOKLYN, NY 11222		TT-Id: 520A-0226-135
MAP LOCATION INFORMATION		ADDRESS CHANGE INFORMATION		
Site location mapped by: PARCEL MAPPING - LARGE SITE		Revised street: NO CHANGE		
Approximate distance from property: 1798 feet to the N		Revised zip code: NO CHANGE		
Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER	Spiller: KEVIN BOGER - NYC SCHOOL CONSTRUCTION AUTHORITY	Spiller Phone:		
Notifier Type: Responsible Party	Notifier Name:	Notifier Phone:		
Caller Name:	Caller Agency:	Caller Phone:		
DEC Investigator: LXZIELIN	Contact for more spill info: JOSE ORCENI	Contact Person Phone: (201) 797-1909		

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
04/13/2009		TANK TEST FAILURE	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
WASTE OIL/USED OIL	PETROLEUM	0	GALLONS	0	GALLONS	

Caller Remarks:TANK TEST FAILURE ON A 1000 GALLON UST UNK IF ANY PRODUCT WAS SPILLED.

DEC Investigator Remarks:

4/24/2009 TTF letter sent to:
 NYC Dept of Field Operations - Fuel Division
 Mr. James Merlo
 44-36 Vernon Blvd
 Long Island City, NY 11101

6/12/09. J.Krimgold reviewed and approved the proposed scope of work outlined in the letter report submitted by TRC and dated June 2, 2009.

01/28/10. J.Krimgold reviewed the SIR dated 08/07/09 and concurs with conclusions and recommendations of the report. However, requested closure of waste oil tank and submittal of appropriate Bulk Storage Application.

02/17/11 - LZ

The waste oil tank was permanently closed in place (edocs), which meets DEC requirements. An application was submitted to change the status of the tank. However, it has been returned to the applicant since the tightness test for another tank at the facility is overdue.

The spill case is closed.

Map Identification Number 60**PS 610**

50 BEDFORD AVENUE

BROOKLYN, NY 11222

Spill Number: 0004062**Close Date: 03/21/2005**

TT-Id: 520A-0044-918

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING - LARGE SITE
 Approximate distance from property: 1798 feet to the N

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Tank Tester

Caller Name: JOHN LEDDY

DEC Investigator: TJDEMEO

Spiller: NONE

Notifier Name: JOHN LEDDY

Caller Agency: PROTEST ENTERPRISES

Contact for more spill info: FRANK CARDELLO

Spiller Phone:

Notifier Phone: (516) 321-4670

Caller Phone: (631) 321-4670

Contact Person Phone: (718) 391-6832

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.

Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
06/30/2000		TANK TEST FAILURE	NO		NO		
Material Spilled		Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL		PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
1	20000	Horner EZ Check I or II	0.00	UNKNOWN

Caller Remarks:

tank test failure, no product leaked

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "DEMEO"

3/21/2005 This spill number (tank test failure) is being closed out and consolidated with a new spill (#0413160) which involves the removal of this tank and contaminated soil found around it.

Map Identification Number 61 **COMMERCIAL BUILDING** **Spill Number: 9913062** **Close Date: 06/21/2005**
 93 NORTH 9TH STREET BROOKLYN, NY TT-Id: 520A-0051-123

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 1886 feet to the NW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL	Spiller: MYRON CUTLER - COMMERCIAL BUILDING	Spiller Phone: (718) 388-3133
Notifier Type: Tank Tester	Notifier Name: SAME	Notifier Phone: ext. 0216200
Caller Name: TJ OCONNOR	Caller Agency: DRY AS A BONE	Caller Phone: (516) 678-5115
DEC Investigator: JEDURNIN	Contact for more spill info: MYRON CUTLER	Contact Person Phone: (718) 388-3133

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.

Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
02/16/2000		TANK TEST FAILURE	NO		NO		
Material Spilled		Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL		PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
1	1080	Horner EZ Check I or II	0.00	UNKNOWN

Caller Remarks:

tank failed the test.

DEC Investigator Remarks:

04/24/2000: Tank was re-tested on 04/06/2000 and passed the test.

Report was received on 04/24/2000. All piping was replace. pyh

07/11/2001 TANK REMOVED DURING RENOVATIONS (SEE SPILL# 0103335, same site)

01/26/04: Reassigned from Rommel to Austin

02/17/04: Reassigned from AUSTIN to KRIMGOLD.

Based on the above information (tank passed test, replaced piping, tank removed) this site is closed. John Durnin 6/21/2005

Map Identification Number 62



BRUMAR SHEET METAL INC
498 LEONARD STREET

BROOKLYN, NY 11222

Spill Number: 0212132

Close Date: 09/26/2006
TT-Id: 520A-0040-325

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)

Approximate distance from property: 2098 feet to the NNE

ADDRESS CHANGE INFORMATION

Revised street: 498 LEONARD ST

Revised zip code: NO REVISION MADE

Source of Spill: COMMERCIAL/INDUSTRIAL	Spiller: JILL HUEY - BRUMAR SHEET METAL INC	Spiller Phone: (718) 782-9052
Notifier Type: Tank Tester	Notifier Name: DAVE FAZIN	Notifier Phone: (516) 939-2959 ext. 0
Caller Name: DAVE FAZIN	Caller Agency: CROWN LEAK DETECTION	Caller Phone: (516) 939-2959
DEC Investigator: VSZHUNE	Contact for more spill info: JILL HUEY	Contact Person Phone: (718) 782-9052

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.

Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved	Meets Cleanup Standards	Penalty Recommended
03/10/2003		TANK TEST FAILURE	2-608752	NO	NO

Material Spilled	Material Class	Quantity Spilled		Quantity Recovered		Resource(s) Affected
		Units		Units		
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

RECCOMEND CLEAN TANK DISCONNECT PIPING AND RETEST

DEC Investigator Remarks:

01/27/2006 Kuldeep received the Fax from Brumer, but again information not adequate and need more follow up.

01/23/2006 Kuldeep sent a letterfor more information.

01/09/2006 Kuldeep Gupta- Facility Faxed on -01/06/2006 copy of consent Order. Region 2 Nick Lombardo on 01/09/2006 Faxed Report of 5000 gallon Tank Test report of 01/05/2004.

01/06/06 Kuldeep Gupta talked to Ms. Jill Huey and she need a letter in writing what document we need. She wanted to fax it at 1-718-486-6862. DEC Faxed the letter as requested. Kuldeep discussed with Philip Lodico Senior Attorney DEC and found Consent order signed on 03/24/2003 for not this spill.

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIPPLE" Does not appear on PBS database. Called Jill Huey. She stated that she received a Consent Order to bring the facility in compliance with state laws. The tank is 5000 gallons. 3/11/2003 ars.

DEC Sigona sent TTF notice on March 14, 2003.

9/11/06 This case was transferred from Albany to Region 2. Zhune spoke to Jill Huey (ph: 718-9052) She doesn't want phone calls. She wants every thing by writing. 9/11/06 A TTF letter was sending to :

Jill Huey
498 Leonard Street
Brooklyn, NY 11222

09/18/06 Ms. Huey sent a package of documents the passing tank test from 2003 was missing. 09/19/06 I sent a letter requesting her the tank test results from 2003.

09/22/03 Ms. Huey sent a package of 8 pages including the passing tank test results from 2003, letters stated the following: The system test passed. After the system test failed in October due to a vent bad line, we decided to replace all pipes just to be sure we would pass. Also we would like to convey to your department that no contamination was detected in our system.

What was the cause of the tank test failure on March 3, 2003?

Water in tank issue. Piping needed to be replaced was replaced and systems test passed as a result of replacement.

09/27/06 This case was closed for V. Zhune in accordance with J. Vought.

Map Identification Number 63



UNITED AMBULETTE
495 GRAHAM AVE

BROOKLYN, NY

Spill Number: 0410348

Close Date: 05/03/2005
TT-Id: 520A-0049-641

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2141 feet to the ENE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Tank Tester
Caller Name: JIM MELNICK
DEC Investigator: KMFOLEY

Spiller: BOB - BUSINESS
Notifier Name: JIM MELNICK
Caller Agency: PRO TEST
Contact for more spill info: BOB

Spiller Phone: (718) 234-0024
Notifier Phone: (631) 321-4670
Caller Phone: (631) 321-4670
Contact Person Phone: (718) 234-0024

Category: Possible petroleum release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters, known releases with no potential for damage, or non-petroleum/non-hazardous spills.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
12/17/2004		TANK TEST FAILURE	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	0	GALLONS	0	GALLONS	GROUNDWATER

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
1	4000	Horner EZ Check I or II	0.00	UNKNOWN

Caller Remarks:

RECOMMEND: GAS TANK HAS A WET LEAK: HAS BEEN REPORTED TO FIRE DEPT;

DEC Investigator Remarks:

12/22/2004 - Sangesland - 4,000 gal gasoline tank - PBS # 2-069140

1/14/2005 TTF letter sent to:
United Ambulette 2428 East 18th St, Brooklyn, NY 11222

2/22/05 Reassigned from Rommel to Foley. Spoke to Bob Arcaro, American. He will be submitting documentation and passing test results. No release to environment.

2/28/05 Received passing tightness test results for system. Bob Arcaro to submit affidavit.

3/7/05 Received affidavit. Between 1/31/05 and 2/11/05, American Resource Technology excavated part of the tank system, isolated the tank and piping and the retested. All components tested tight but the condition of the cathodic protection isolating union on the stage 1 was worn and could have compromised the integrity of the line. There was no evidence of contamination in the excavation but the isolating unions were replaced on the stage 1 line, the suction line, the fill line and vent line as a preventative measure. On 2/15/05, a tightness test of the tank system was performed with the piping still exposed and was witnessed by FDNY who had witnessed the tightness test failure on 12/17/04. The system tested tight.

Map Identification Number 64 **146 WYTHE AVE/BROOKLYN**
 146 WYTHE AVENUE**Spill Number: 8905160**
NEW YORK CITY, NY**Close Date: 08/24/1989**
TT-Id: 520A-0045-070

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 2178 feet to the WNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL	Spiller:	Spiller Phone:
Notifier Type: Affected Persons	Notifier Name:	Notifier Phone:
Caller Name: EVELYN MALONE	Caller Agency: CITIZEN	Caller Phone: (212) 412-3497
DEC Investigator: FINGER	Contact for more spill info:	Contact Person Phone:

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/23/1989	08/24/1989	TANK TEST FAILURE	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	-1.00	UNKNOWN	0.00	UNKNOWN	AIR

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		Unknown	0.00	UNKNOWN

Caller Remarks:

CONTRACTOR SAND BLASTING ADJACENT BLDG CAUSING MATERIAL TO AFFECT RESIDENTS OF THE NEIGHBORHOOD, REFERRED CASE TO THE NYCDEP & DOH.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 65	NASH METAL WARE CO, INC	Spill Number: 0408142	Close Date: 05/11/2009
	1 NASSAU AVENUE	BROOKLYN, NY 11222	TT-Id: 520A-0040-587

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
 Approximate distance from property: 2211 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: 1 NASSAU AVE
 Revised zip code: NO REVISION MADE

Source of Spill: COMMERCIAL/INDUSTRIAL	Spiller: STEHPANIE EISENBERG	Spiller Phone: (718) 384-1500
Notifier Type: Tank Tester	Notifier Name: PHIL FRAZIN	Notifier Phone: (516) 375-5890
Caller Name: PHIL FRAZIN	Caller Agency: A-1 CROWN LEAK	Caller Phone: (516) 375-5890
DEC Investigator: BKFALVEY	Contact for more spill info: STEHPANIE EISENBERG	Contact Person Phone: (718) 384-1500

 Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/22/2004		TANK TEST FAILURE	NO	NO

 NO MATERIAL INFORMATION GIVEN FOR THIS SPILL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
1	10000	Horner EZ Check I or II	0.00	UNKNOWN

 Caller Remarks:

PBS No: 2-333166

DEC Investigator Remarks:

8/05-Spoke with A-1 Crown leak. Will get back to me with the owner information.

9/05-Spoke to Stephanie Eisenberg. tank is no longer in use. Will send in paperwork. S. Scharf

4/06- Called stepahnie Eisenberg- reminded her to send in the paperwork that tanks is empty and building now uses gas.

9/14/06 called Stephanie Eisenberg (owner) - left message. bf

9/21/06 ttf letter sent to S. Eisenberg. bf

4/29/09 On 3/30/09, received letter from Mark Salamack of PTC. Tank failed because of many connections to heaters throughout the building were not properly sealed off. No contamination found when tank was removed. No odors or staining of soil found. Three samples taken from under the tank. Minor exceedances in 1 Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene. NFA. bf

Map Identification Number 66 **APARTMENT BUILDING**
 265 SOUTH 2ND ST

BROOKLYN, NY

Spill Number: 0600214

Close Date: 11/17/2006
 TT-Id: 520A-0038-416

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
 Approximate distance from property: 2348 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: 265 SOUTH 2ND ST.
 Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
 Notifier Type: Tank Tester
 Caller Name:
 DEC Investigator: HRPATEL

Spiller: CHUCK MERRITT - APARTMENT BUILDING
 Notifier Name:
 Caller Agency:
 Contact for more spill info: CHUCK MERRITT

Spiller Phone: (718) 767-7997
 Notifier Phone:
 Caller Phone:
 Contact Person Phone: (718) 767-7997

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
04/06/2006		TANK TEST FAILURE	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
1	4000	Horner EZ Check I or II	0.00	UNKNOWN

Caller Remarks:

Tank test failure.

DEC Investigator Remarks:

04/07/06-Hiralkumar Patel. Spoke with Jim at Protest and he found that tank was leaking. this is 4000 gal AST vaulted in Concrete. haven't heard after tank test.
 Left message for Chuck Merritt at Merritt Engineering.

04/17/06-Hiralkumar Patel. Left message for Ms. Marian at Merritt Engineering. Received call from Maryann Wagh from Merritt Engineering. she gave me following information about owner of property:

Super REalty LLC
Mr. Abe Lasker
(917) 753-8996.

Left message for Chuck at Merritt as Maryann doesn't have latest information on case.

Spoke with Abe Lasker at Super Realty. as per Mr. Lasker, somebody did work at site on Thursday to find out leakage. he doesn't know who did it. He is the Manager of property and his address is:

Abe Lasker
Super Realty LLC
PO Box 110525
Brooklyn, NY 11211
Ph. (917) 753-8996
FAX (718) 336-8983

Received call from Chuck (FAX: 718-767-7996) from Merritt Engineering. as per him, Protest did isolation test and found leakage in pipings.

Spoke with John at Pro Test. these are two different buildings and as per him, he found leakage in Vent pipe and remote fill. one building has vent pipe only leakage and another has vent pipe and remote fill. he doesn't know which one has what problem, so he will fax me that information with copies of test results. he still waiting to get approval for repair work.

05/11/06-Hiralkumar Patel. Left message for Jim at Protest. Received message from Jim. they haven't heard from owner yet. left message for Mr. Merritt.

06/01/06-Hiralkumar Patel. Spoke at Protest. Jim is out of office and will be back tomorrow.

06/02/06-Hiralkumar Patel. Spoke to John at Protest. He will call back with more information.

07/06/06-Hiralkumar Patel. spoke to Mr. Lasker and asked to send work invoice and test result. Mr. Lasker will call back. spoke to Maria at Protest. she will call back with updates.

08/01/06-Hiralkumar Patel. left message for Mr. Lasker. received call from Mr. Lasker. he will call protest and will call back with updates.

08/29/06-Hiralkumar Patel. spoke with John. they will be going onsite for repair work in next two weeks. if find any contamination, will remove it and if necessary will take endpoint samples. will send lab analyticals by first week of Oct. 2006.

09/25/06-Hiralkumar Patel. spoke with Bob at Protest. he will check and call back. received call from Bob. he found that Protest has done some piping replacement work and he couldn't find test results. he will ask John to call the Department.

11/08/06-Hiralkumar Patel. left message for John at Protest.

11/17/06-Hiralkumar Patel. received letter and tank test result from Ted from Protest. as per Ted, leak was at remote fill above grade. they have relocate the remote fill and replaced some aboveground pipings.

no PBS record. spoke with Mr. Lasker. this building has been sold out in Aug. 06 and has new management. Mr. Lasker has new management company's information in office and will fax this information. sent fax to Mr. Lasker requesting new management's information and asked him to contact DEC Falvey.

sent email to DEC Falvey with Mr. Lasker's contact number and detail about tank and site. Mr. Falvey will contact new management about tank registration.

based on available documents, case closed.

11/20/06-Hiralkumar Patel. received fax from Mr. Lasker. as per Mr. Lasker, tank is registered. new management is:

Mag Realty Corp
 475 Washington Avenue
 Brooklyn, NY 11238
 Ph. (718) 622-6157
 Fax (718) 789-3500
 Contact: Mitch Asher

spoke with Mr. Asher. he doesn't know about registration. he will check and will do registration if not registered. Mr. Asher asked to send application form.

Map Identification Number 67	273 SOUTH SECOND STREET		Spill Number: 9712027	Close Date: 04/04/2005
	273 SOUTH SECOND STREET	BROOKLYN, NY		TT-Id: 520A-0049-789
MAP LOCATION INFORMATION		ADDRESS CHANGE INFORMATION		
Site location mapped by: MANUAL MAPPING (3)		Revised street: 273 S 2ND ST		
Approximate distance from property: 2350 feet to the SSW		Revised zip code: 11211		
Source of Spill: PRIVATE DWELLING		Spiller: MR STIMETZ - 273 SOUTH SECOND STREET	Spiller Phone: (718) 387-3783	
Notifier Type: Tank Tester		Notifier Name: JOHN LEDDY	Notifier Phone: (516) 321-4670	
Caller Name: JOHN LEDDY		Caller Agency: PROTEST ENTERPRISES	Caller Phone: (516) 321-4670	
DEC Investigator: SFRAHMAN		Contact for more spill info: JOHN LEDDY	Contact Person Phone: (516) 321-4670	

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.

Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/20/1998		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

TANK TEST FAILURE

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "AUSTIN" NO PBS.

3/11/03 - SAMUEL- File available in active unassigned spill files.

3/3/05 - Austin - Reassigned to Rahman

04/04/05-SR//No Further Action was issued on 03/24/1999 by Christopher P. Tomasello. Records are in the file.

Map Identification Number 68 **APARTMENT BUILDING** **Spill Number: 0600215** **Close Date: 11/17/2006**
 278 SOUTH 2ND ST BROOKLYN, NY TT-Id: 520A-0049-160

MAP LOCATION INFORMATION
 Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 2512 feet to the SSW

ADDRESS CHANGE INFORMATION
 Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER	Spiller: CHUCK MERRITT - APARTMENT BUILDING	Spiller Phone: (718) 767-7997
Notifier Type: Tank Tester	Notifier Name:	Notifier Phone:
Caller Name:	Caller Agency:	Caller Phone:
DEC Investigator: HRPATEL	Contact for more spill info: CHUCK MERRITT	Contact Person Phone: (718) 767-7997

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/06/2006		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
1	4000	Horner EZ Check I or II	0.00	UNKNOWN

Caller Remarks:

Tank test failure.

DEC Investigator Remarks:

04/07/06-Hiralkumar Patel. Spoke with Jim at Protest and he found that tank was leaking. this is 4000 gal AST vaulted in Concrete. haven't heard after tank test.
Left message for Chuck Merritt at Merritt Engineering.

04/17/06-Hiralkumar Patel. Left message for Ms. Marian at Merritt Engineering. Received call from Maryann Wagh from Merritt Engineering. she gave me following information about owner of property:

Super REalty LLC
Mr. Abe Lasker
(917) 753-8996.

Left message for Chuck at Merritt as Maryann doesn't have latest information on case.

Spoke with Abe Lasker at Super Realty. as per Mr. Lasker, somebody did work at site on Thursday to find out leakage. he doesn't know who did it. He is the Manager of property and his address is:

Abe Lasker
Super Realty LLC
PO Box 110525
Brooklyn, NY 11211
Ph. (917) 753-8996
FAX (718) 336-8983

Received call from Chuck (FAX: 718-767-7996) from Merritt Engineering. as per him, Protest did isolation test and found leakage in pipings.

Spoke with John at Pro Test. these are two different buildings and as per him, he found leakage in Vent pipe and remote fill. one building has vent pipe only leakage and another has vent pipe and remote fill. he doesn't know which one has what problem, so he will fax me that information with copies of test results. he still waiting to get approval for repair work.

05/11/06-Hiralkumar Patel. Left message for Jim at Protest. Received message from Jim. they haven't heard from owner yet. left

message from Mr. Merritt.

06/02/06-Hiralkumar Patel. Spoke to John at Protest. He will call back with more information.

07/06/06-Hiralkumar Patel. spoke to Mr. Lasker and asked to send work invoice and test result. Mr. Lasker will call back. spoke to Maria at Protest. she will call back with updates.

08/01/06-Hiralkumar Patel. left message for Mr. Lasker. received call from Mr. Lasker. he will call protest and will call back with updates.

08/29/06-Hiralkumar Patel. spoke with John at protest. they will be going onsite for repair work in next two weeks. if find any contamination, will remove it and if necessary will take endpoint samples. will send lab analyticals by first week of Oct. 2006.

09/25/06-Hiralkumar Patel. spoke with Bob at Protest. he will check and call back. received call from Bob. he found that Protest has done some piping replacement work and he couldn't find test results. he will ask John to call the Department.

11/08/06-Hiralkumar Patel. left message for John at Protest.

11/17/06-Hiralkumar Patel. received letter and tank test result from Ted from Protest. as per Ted, leak was at vent pipe. they have replaced leaking vent pipe portion.

no PBS record. spoke with Mr. Lasker. this building has been sold out in Aug. 06 and has new management. Mr. Lasker has new management company's information in office and will fax this information. sent fax to Mr. Lasker requesting new management's information and asked him to contact DEC Falvey.

sent email to DEC Falvey with Mr. Lasker's contact number and detail about tank and site. Mr. Falvey will contact new management about tank registration.

based on available documents, case closed.

11/20/06-Hiralkumar Patel. received fax from Mr. Lasker. as per Mr. Lasker, tank is registered. new management is:

Mag Realty Corp
475 Washington Avenue
Brooklyn, NY 11238
Ph. (718) 622-6157
Fax (718) 789-3500
Contact: Mitch Asher

spoke with Mr. Asher. he doesn't know about registration. he will check and will do registration if not registered. Mr. Asher asked to send application form.



CLOSED STATUS UNKNOWN CAUSE SPILLS AND OTHER CAUSE SPILLS IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 69 **COMMERICAL VACANT LOT** **Spill Number: 0801333** **Close Date: 06/03/2011**
 235-239 N 9TH STREET BROOKLYN, NY TT-Id: 520A-0215-912
 NE CORNER OF ROEBLING

MAP LOCATION INFORMATION **ADDRESS CHANGE INFORMATION**
 Site location mapped by: MANUAL MAPPING (3) Revised street: NO CHANGE
 Approximate distance from property: 128 feet to the W* Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL Spiller: UNKNOWN Spiller Phone:
 Notifier Type: Other Notifier Name: Notifier Phone:
 Caller Name: Caller Agency: Caller Phone:
 DEC Investigator: RVKETANI Contact for more spill info: RAY KAHN Contact Person Phone: (212) 363-3775

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
05/02/2008		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:
 recieved lab results from a historical site; unknown if it is petroleum or not;

DEC Investigator Remarks:
 This site is East side of Roebling/North side of N 9th

Sarah Carlson site is south side of N 9th
Other DEC sites are West of Roebling

6/11/10-Vought-Spill transferred from DEC Vought to DEC Ketani as per DEC Austin and Vought transfer to Section A.

8/25/10 - Raphael Ketani. I made an unannounced site visit. The site was a vacant lot. The south end of the lot had lots of refuse and other debris, but no indications that liquids were being dumped here. The north end of the lot was bare. In the middle of the lot, there were some private vehicles and some roll off containers with what looked like refuse in them.

8/26/10 - Raphael Ketani. The spill took place on 5/2/08 and involved the discovery of some type of material at the site. The spill report indicates that the type of material was not known at the time of the incident.

According to Property Shark, the site is block and lot 2307 and 38. Property Shark shows a picture of a large one story commercial building with no windows. The address is listed as both 35-43 Roebling Street and 235-239 North 9th Street. According to ACRIS, Wing Hon Holding Inc., 2 Rewe Street, Brooklyn, NY, 11211 sold the property on 11/30/07 to 243 North Group, LLC, 543 Bedford Avenue, Brooklyn, NY, 11211.

There is only one PBS registration in the database and no other Spill reports. The PBS is #2-609544. There were 2 550 gal. ASTs in above ground enclosures. Both were closed and removed.

There is no paper file. There are no E-docs.

I tried to contact Ray Kahn of the environmental consulting firm ESPL (212) 363-3775/cell (917) 939-7366. However, I could only leave a message requesting information regarding what was found at the site.

10/13/10 - Raphael Ketani. I spoke to Mr. Kahn (917) 939-7366 regarding the site. He said that the investigation didn't move forward because of the real estate market crash. He said since the DEC is now interested in what's below the site, he will look into the matter and call me back.

12/2/10 - Raphael Ketani. As there has been no information forthcoming from Mr. Kahn, I sent a CSL to 243 North Group, LLC.

12/14/10 - Raphael Ketani. The CSL came back to DEC unopened and marked "refused." I rechecked ACRIS for the latest address for 243 North Group, LLC. I found a document dated 4/15/10 that showed the latest address to be 80 Clay Street, Brklyn, 11222. I resent the CSL to this address.

3/3/11 - Raphael Ketani. As there has been no response from the owners of the site, I sent a followup letter. I set a deadline of April 1 for receipt of the investigation report.

4/1/11 - Raphael Ketani. There has been no response from the owners of the property to the followup letter. Therefore, I sent a STIP package with a deadline of 5/2/11 for the return of the signed STIP.

5/3/11 - Raphael Ketani. Today I received the unopened envelope containing the STIP package. The envelope had a post office sticker indicating that it was unclaimed. I will attempt to hand deliver the STIP.

I made unannounced site visits to two locations in an attempt to locate the owners of the site and their mailing location. The first location I went to was 80 Clay Street in the Greenpoint section of Brooklyn. This turned out to be a one story, yellow commercial building. There was a large Jewish mezzuza on the door frame. I knocked on the door, but no one answered. There was a sign on the door that indicated people should go to 1109-1113 Manhattan Avenue, the cross street location around the corner. I entered the building and met the security guard. He said that 1109-1113 Manhattan Avenue was an apartment building for recovering drug addicts. I saw two sheets of paper behind him with lists of different LLCs which receive their mail here. However, 243 North Group was not one of them. He said that the building at 80 Clay Street had been recently sold (this is what ACRIS shows), but he had never heard of 243 North Group, LLC.

Next, I went to 543 Bedford Avenue in the Williamsburg section of Brooklyn. This was the previous mailing address for 243 North Group, LLC. The location was a small, red apartment building. The entrance to the building was around the corner on the minor cross street. I entered an office which advertised mostly insurance coverage, among other things. I spoke to an orthodox Jewish man who came from the back. He said that unless I had a person's name or post office box number, he could not help me. I left my business card anyway.

I returned and tried ACRIS. There were various UCC3 assigned parties, but it was not clear who should be sent the STIP. Property Shark was no help, either. I tried the NYS corporation database and saw a new mailing address. This was "c/o PERL, 138 Ross Street, Brooklyn, NY, 11211." I will resend the STIP to this address tomorrow.

5/4/11 - Raphael Ketani. I resent the STIP to PERL at 138 Ross Street with a deadline of June 3 for receipt of the signed STIP page.

6/3/11 - Raphael Ketani. I never received the signed STIP or the green return card.

As it was not determined that the substance found was oil when the investigation took place in 2008, and as there is no evidence to confirm or deny that oil substance was oil, and as my site visit on 8/25/10 did not reveal that an oil spill had taken place or that an oil release was likely, and as attempts to contact the owner in order to find out what had been discovered were fruitless, I have determined that there is no basis upon which to continue to have an active spill case for this site. Therefore, I closed the spill case today.

Map Identification Number 70**WAREHOUSE**

261 NORTH 9TH STREET

BROOKLYN, NY

Spill Number: 0602498**Close Date: 01/10/2007**

TT-Id: 520A-0049-808

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 144 feet to the SSE*

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER	Spiller: DENNY SING - WAREHOUSE	Spiller Phone: (718) 857-3100
Notifier Type: Other	Notifier Name:	Notifier Phone:
Caller Name:	Caller Agency:	Caller Phone:
DEC Investigator: SFRAHMAN	Contact for more spill info: DENNY SING	Contact Person Phone: (718) 857-3100

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
06/05/2006		OTHER	NO		NO	

Material Spilled	Material Class	Quantity Spilled		Quantity Recovered		Resource(s) Affected
		Units		Units		
GASOLINE	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

FOUND CONTAMINATED SOIL AT LOCATION

DEC Investigator Remarks:

Placed call into Denny Sing of Don Carlo Env. requesting callback and info. Need to send CSL. Owner as per Property Shark Vazquez, Alvaro 86 Havemeyer St Brooklyn NY 11211-3348 07/17/06 Rahman- As per Lisa from Don Carlo(718.857.3100), the property owner is 263 N Group LLC C/O Mr. Sam Pearl 80 Clay Street, Brooklyn, NY 11222. Ms. Lisa will get back to DEC with accurate info. 01/10/07 Rahman- Phase II report prepared by Don Carlo Env. Services Inc. Petroleum related VOC/SVOCs were not found in Phase II soil/ground water samples. Presence of only certain SVOCs (Benzo group) indicate that those are related with historic fill material. Heavy metals were found in ground water samples. In DCES's opinion, those metals came from the historic use of the site as a metal smelting and storage facility. The proposed development for the subject property is a five story residential building. Contaminated soil will be removed during the excavation for new foundation. A water proofing barrier will be incorporated in the foundation slab. The site is a NYC DEP "E" designated site. Spill closed due to absence of petroleum constituents in soil/ground water. Presence of heavy metals will be addressed as part of NYC DEP's requirement.

Map Identification Number 71 **BETWEN NORTH 10 /11TH**
 **ROEBLING**

WILLIAMSBURG, NY

Spill Number: 0612377

Close Date: 02/15/2007
 TT-Id: 520A-0048-060

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (4)
 Approximate distance from property: 300 feet to the N

ADDRESS CHANGE INFORMATION

Revised street: ROEBLING ST
 Revised zip code: 11211

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
 Notifier Type: Other
 Caller Name:
 DEC Investigator: rmpiper

Spiller: JOE - BETWEN NORTH 10 /11TH
 Notifier Name:
 Caller Agency:
 Contact for more spill info: JOE

Spiller Phone: (646) 522-3622
 Notifier Phone:
 Caller Phone:
 Contact Person Phone: (646) 522-3622

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
02/12/2007		OTHER	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		Unknown	0.00	UNKNOWN

Caller Remarks:

OIL COMING UP FROM A BUILDIONG AT CONSTRUCTION SITE

DEC Investigator Remarks:

spill is a duplicate. See 0609092 and 0605974. This spill closed.

Map Identification Number 72 **MH 4927**
 HAVERMYER ST/N 9TH ST

BROOKLYN, NY

Spill Number: 0202473 **Close Date: 08/26/2002**
 TT-Id: 520A-0044-450

MAP LOCATION INFORMATION
 Site location mapped by: ADDRESS MATCHING
 Approximate distance from property: 315 feet to the SSE

ADDRESS CHANGE INFORMATION
 Revised street: HAVEMEYER ST / N 9TH ST
 Revised zip code: NO CHANGE

Source of Spill: UNKNOWN	Spiller: UNKNOWN	Spiller Phone:
Notifier Type: Affected Persons	Notifier Name: LOU ZAMBRIO	Notifier Phone:
Caller Name: RICHARD ROACH	Caller Agency: CON EDISON	Caller Phone: (212) 580-6763
DEC Investigator: KMFOLEY	Contact for more spill info: RICHARD ROACH	Contact Person Phone: (212) 580-6764

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/07/2002		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN MATERIAL	OTHER	2.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

2 quarts unk oil ref # 143204. this was a 24 hr dinmininus spill originally.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "FOLEY"
 Con Ed e2mis #142204:

06-JUN-2002 1020HRS. YOUNGBLOOD #15199 U/G REPORTS FOUND 2 QUARTS OF UNKNOWN OIL ON 10 GALLONS WATER IN M-4927. NO FIRE OR SMOKE. NO INJURIES. NO PRIVATE PROPERTY AFFECTED. IT APPEARS TO BE CONTAINED TO STRUCTURE. NO SEWERS OR WATERWAYS APPEAR TO BE AFFECTED. TOOK SAMPLE ON A E PRIORITY . HUNG ENVIROMENTAL STOP TAG # 32084. NO VISUAL WATER MOVEMENT. WATER IS STANDING STILL. NO CRACKS IN THE STRUCTURE WALLS. THIS WILL BE ON THE COMPANY 24 HOUR DIMIMIS PROGRAM. CHAIN OF CUSTODY # ISBB07157. CIG MORRIS NOTIFIED @ 1100HRS.

UPDATE @ 2152 HRS 6/6 LAB RESULTS RECEIVED SEQ#02-05256-001 @ <1PPM PCB.

UPDATE 6-7-02 0800 HRS K. QUEST MECH "A" FLUSH DEPT REPORTS HE LOADED TWO FLUSH TRUCK (NO COMPANY TANKER AVAILABLE) STRUCTURE IS MAKING WATER , WILL BE UNABLE TO COMPLETE THIS STRUCTURE ON TIME. TAKING THIS OFF THE 24HRS DEMINIMIS PROGRAM. NOTIFIED CIG ROACH

AT 0806 HRS

6/7/02= 1840HRS ADEPAO ENVIR OPPS REPORTS CLEANUP COMPLETED. DOUBLED WASHED STRUCTURE USEING BIO-GEN 760. FOUND NO SUMP. REMOVED ENVIR TAG# 32084.

Update 6-11-02- 13:30 hrs. Cleanup completed by double washing structure with bulldog. Liquids were removed by tanker and solids were removed by vactor. No leaking company equipment.

Map Identification Number 73 **AUNT HEDDY'S BAKERY** **Spill Number: 0608858** **Close Date: 10/04/2007**
 234 NORTH 9TH STREET BROOKLYN, NY TT-Id: 520A-0048-950

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
 Approximate distance from property: 340 feet to the W

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL Spiller: SHARISSA SINGH - AUNT HEDDY'S BAKERY Spiller Phone: (212) 594-8140
 Notifier Type: Local Agency Notifier Name: Notifier Phone:
 Caller Name: Caller Agency: Caller Phone:
 DEC Investigator: JBVOUGHT Contact for more spill info: SHARISSA SINGH Contact Person Phone: (212) 594-8140

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/01/2006		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	GROUNDWATER

Caller Remarks:

DURING SOIL AND GROUNDWATER SAMPLING, CONTAMINATED SOIL AND GROUNDWATER WAS DICOVERED AT THIS LOCATION:

DEC Investigator Remarks:

city "E" designation

Phase 2 done found petroleum contaminated soil & water.

No petroleum tank on site.... probably from a neighbor

Geo Environmental has been hired by the potential purchaser of the site. They are VERY actively trying to resolve the environmental issues so they can move on with rehabing the existing building on the site. There will be limited excavation on the site, mostly in the basement to accomodate new footings to allow additional floors to be added to the existing building. Week of 11/20 Geo Environmental will be doing additional soil borings in the area to identify the source of on site contamination.

03/13/07-Vought-File review by Vought:

Revised Remedial Action Workplan (GZA Geoenvironmental-Sharissa Singh-212-594-8140). "The existing building will not be demolished but renovated to accomodate residential condominiums". Petroleum contamination result of "migration from upgradient property (a former gasoline service station)". Site was formerly used as bakery building. Existing foundation systems are to remain in place. "In addition a new self leveling concrete slab will be poured on top of the existing slab to further protect and seal the occupants from the subsurface contamination". "...a sub-surface ventilation system will be installed". NYCDEP Innocent Taziva required excavation of B6, however GZA feels excavation is not warranted at this location. Proposal to excavate soils around B2.

NYCDEP also required sub-slab contamination system however GZA feels sub-slab is not warranted. Sub-slab depressurization system pilot test performed to determine radius of influence. One AST on-site (possibly 275-gallon) #2 fuel oil. "...soil exhibiting petroleum odors at 4-6 feet below the basement slab". Groundwater flow to the southwest. Fill material below site("sand, silt, brick and glass) may be contributing to SVOCs. Petroleum odors also noted in B6 at 6-8' below grade. Indoor air samples were also collected from inside residence. ROI pilot test for SSDS show 29' radius of influence. Air monitoring plan will be implemented during construction. Excavation of soils around B2 "will extend into the soil horizon until no visual evidence of petroleum contamination is noted (approximately 1 foot into the groundwater table)". AST will be removed from basement. Indoor air concentrations of VOCs do not exceed the background levels of VOCs in homes studied by NYSDOH and USEPA. Remedial action report will be submitted. Soil analyticals show: 38500ppb toluene(B2 4-6'bg), 57200ppb ethylbenzene(B2 4-6'bg), 141600ppb xylene(B2 4-6'bg), 519000ppb 1,2,4-trimethylbenzene. Groundwater at depth of approximately 4-6'. Groundwater analyticals show: 7ppb naphthalene(MW2), 6ppb tert-butylbenzene(GW2), 17ppb sec-butylbenzene(GW2), 17ppb n-butylbenzene(GW2). As per Singh no signs of leaks at ASTs and all supply/return lines were above ground. Refual obtained immediately downgradient from gasoline station.

Vought called NYCDEP Wuthenow (718-595-4426).

DEC requires: 1)sub-slab depressurization system 2)collection of endpoint samples and analysis for 8260/8270 3)installation of four monitoring wells(three in adjacent sidewalk and on offsite adjacent to suspected source) and determination of groundwater flow direction 4)investigation of offsite gasoline source that is under construction as per Singh.

03/14/07-Vought-Performed site visit to offsite former gasoline station as per Singh, Building removed from site and soil excavated down to approximately 4' below grade. Piles began to be driven into soil. No signs of petroleum odor or staining. Possibly one remote fill port on sidewalk of building. Building address as per work permits is 66 Roebling Street. Inpsection of PBS database and spills database show no records for this address. Spills database shows former spill closed by DEC Carlson (#0503901) with some residual soil contamination left in place (210ppb benzene WC12, 1700ppb xylene WC12 both at depths of 2-4' below grade). Vought called GZA Singh and requested that she return call with source of information that site was formerly gas station. Property Shark database shows building was formerly three story brick warehouse. Stop work order placed on property fence from DOB. No site activity or personnel at time of visit. Information for suspected gasoline station at 63 Roebling:

Owner/Developer: Roebling Park LLC
320 Roebling Street #316
Brooklyn, NY 11211
DOB Emergency Contact: 718-802-3687

Contractor: YBG Construction of New York
Isaac Schwartz
199 Lee Avenue Suite 617
718-782-1018 fax 718-782-1482
Empire Pile-718-241-3900

Vought called DOB and they do not have case in database. Vought called Issac Schwartz and left message that continued construction may cause health impacts without proper investigation and remediation (if applicable). Vought also explained that if callback was not received then both DEP and DOB would be contacted. Vought called Empire Pile and left message to return call. Vought called DEP Wuthenow and he will return call with E designation of site. Vought received callback form DEP Wuthenow who indicated that site was E designated.

3/15/07-Vought-Received call from Issaac Schwartz. As per Schwartz work has stopped due to illness of contractor. Issac stated that RAP was sent to DEC Walsh and DEC Brezner. Vought discussed installation of monitoring wells, necessity of vapor barrier and possibly further investigation/remedial action.

03/16/07-Vought-Received call from Issac Shwartz (917-282-6071 office:718-218-8330) and Kris Almskog-PW Grosser (631-589-6353). As per Kris previous finding shows groundwater flow direction in opposite direction as GZA flow direction. Vought discussed Waste Characterization Report for former gasoline station site and soil sample analyticals. Vought also provided name and number for Sharissa Singh to PW Grosser so split sampling and witnessing of well installation/determination of flow direction could be documented by both parties. Required them to contact Department when drilling date is scheduled so site visit may be performed.

3/20/07-Vought-Spoke to DEC Walsh and he never received report nor knew of site. Vought called Schwartz and left message to resend report as none was on file with the DEC.

03/20/07-Vought-Spoke to Schwartz and he will contact PW Grosser for copies of RAP. Received message from Schwartz that PW Grosser will be sending in RAP.

05/16/07-Vought-Complete File Review by Vought:

Phase I & Phase II Environmental Site Assessment Report (GZA)-10/16/06. Purpose of Phase II was to investigate the presence of Little E Designation by NYCDEP. Site is occupied by Aunt Heddy's Bakery. Two (275-gallon) ASTs in basement. Four soil borings performed on 9/20/06. Groundwater at depth of 9-10' bgs. "Additionally visual and olfactory evidence of petroleum-like contamination were noted in B-1, B-2 and B-4." "Based upon the above findings GZA concludes that a petroleum release at an adjacent or upgradient property has resulted in contamination of the groundwater beneath the site". "GZA recommends that a sub-slab depressurization system be installed at the Site...". Soil analyticals show: Soil analyticals show: 38500ppb toluene(B2 4-6'bg), 57200ppb ethylbenzene(B2 4-6'bg), 141600ppb xylene(B2 4-6'bg), 519000ppb 1,2,4-trimethylbenzene. Groundwater at depth of approximately 4-6'. Groundwater analyticals show 22ppb acenaphthene.

Sampling and Analysis Plan (GZA) submitted to NYCDEP Heath-11/7/06. Proposal for GPR survey to find buried tanks and lines, the installation of four soil borings in the basement, collection of soil samples from under basement slab to a depth of 6' below slab and collection of three groundwater samples from site, five wells in sidewalks to determine possible offsite contributions and determination of groundwater flow. Plan shows same boring well locations as those in 10/16/06 report without soil or groundwater analyticals.

Remedial Action Workplan (GZA)-1/9/07. Show additional groundwater analyticals of 6ppb tert0-butylbenzene(GW2), 17ppb sec-butylbenzene(GW2) and n-butylbenzene(GW2)

Letter from DEP Wuthenow to GZA Singh-1/25/07. "Based on our review of the submitted documentation, DEP finds the RAP inadequate. The petroleum impacted soil detected around soil boring B-6 must be removed and disposed of in accordance to all applicable federal, state and local regulations. DEC should be notified of the petroleum release".

Revised Remedial Action Workplan (GZA Geoenvironmental-Sharissa Singh-212-594-8140)-2/9/07. "The existing building will not be demolished but renovated to accommodate residential condominiums". Petroleum contamination result of "migration from upgradient property (a former gasoline service station)". Site was formerly used as bakery building. Existing foundation systems are to remain in place. "In addition a new self leveling concrete slab will be poured on top of the existing slab to further protect and seal the occupants from the subsurface contamination". "...a sub-surface ventilation system will be installed". NYCDEP Innocent Taziva required excavation of B6, however GZA feels excavation is not warranted at this location. Proposal to excavate soils around B2. NYCDEP also required sub-slab contamination system however GZA feels sub-slab is not warranted. Sub-slab depressurization system pilot test performed to determine radius of influence. One AST on-site (possibly 275-gallon) #2 fuel oil. "...soil exhibiting petroleum odors at 4-6 feet below the basement slab". Groundwater flow to the southwest. Fill material below site("sand, silt, brick and glass) may be contributing to SVOCs. Petroleum odors also noted in B6 at 6-8' below grade. Indoor air samples were also collected from inside residence. ROI pilot test for SSDS show 29' radius of influence. Air monitoring plan will be implemented during construction. Excavation of soils around B2 "will extend into the soil horizon until no visual evidence of petroleum contamination is noted (approximately 1 foot into the groundwater table)". AST will be removed from basement. Indoor air concentrations of VOCs do not exceed the background levels of VOCs in homes studied by NYSDOH and USEPA. Remedial action report will be submitted. As per Singh no signs of leaks at ASTs and all supply/return lines were above ground. Refusal obtained immediately downgradient from gasoline station.

Letter from DEC Vought to Chris Horrigan-3/13/07. Letter sent requiring: 1)collection of soil samples from excavation 2)installation of SSDS system 3)delineation via installation of monitoring wells (three wells on sidewalk adjacent to site and one well by suspected offsite source of contamination".

Email from DEC Vought to GZA Singh-3/14/07. Excavation will occur to water table and since soil source will be removed vapor barrier only required (SSDS not required). Vought also required installation of monitoring wells and sent her requirements for installation of vapor barrier as per NYSDOH specs.

Email between Vought to GZA Singh-3/15/01. Singh identified suspected source site as 55-63 Roebling which was formerly used as filling station. Vought called Wuthenow and left message to return call and repeated requirement to install soil and groundwater borings in sidewalk of suspected source at 55 Roebling.

Final Remedial Action Workplan (GZA Singh)-3/20/07. "The existing building will not be demolished but renovated to accommodate residential condominiums". "The petroleum contamination encountered beneath the slab of the building is characterized as residual

contamination and is the result of migration from an upgradient property". New concrete slab will be poured on existing slab to "further protect and seal the occupants from the subsurface". Remedial action includes excavation of soil at SB-2 and collection of endpoint soil samples, installation of a 10 mil vapor barrier, delineation via installation of off-site and on-site monitoring wells. Report maintains that contamination observed in B2 at 4'6"bg due to capillary fringe contamination from groundwater table. Three borings installed in sidewalks (two on Roebling St and one on North 9th Street). SSDS pilot test was also performed on 1/4/06 showing effective ROI of 29'. Air monitoring plan will be implemented during excavation activities. Indoor and outdoor air quality samples were collected and show VOCs below NYSDOH background concentrations. GZA also performed risk for vapor intrusion as per EPA Guidance and no significant risk. Plan also includes installation of four monitoring wells and determination of groundwater flow as required by NYSDEC. GZA will send in Remedial Action Report (RAR) with remedial actions at site submitted to DEC and DEP.

Email from GZA Singh to DEC Vought-4/2/07. Notice that drilling will proceed on 4/5 and 4/6 and request if anything was heard from owner of 55-63 Roebling.

DEC requires: 1)vapor barrier installation 2)collection of endpoint samples and analysis for 8260/8270 3)installation of four monitoring wells(three in adjacent sidewalk and on offsite adjacent to suspected source) and determination of groundwater flow direction 4)investigation of offsite gasoline source that is under construction as per Singh 5)cc to DEP.

05/17/07-Vought-Called Sharissa to approve Final Remedial Action Work Plan and to inquire about submission of results for sidewalk borings mentioned in same Plan. Vought spoke to Sharissa and soil was excavated to groundwater and endpoint samples were collected and results were received from lab and have not been examined to date. Four wells were installed and they were sampled for soil and groundwater and report will be sent to DEC. Soil and groundwater results show no contamination in front of 55-63 Roebling Street. Excavation will be backfilled, vapor barrier will be installed and new slab will be poured. DEC will send reponse letter once RAR is received and DEC will require quarterly groundwater sampling for one year. Vought instructed Singh to file FOIL request for info on 55-63 Roebling.

10/05/07-Vought-Reviewed Remedial Action Report (GZA Cela) dated September 2007 and received on 09/24/07. Building being redeveloped as residential condominiums. Soil was excavated and endpoint samples were collected. Vapor barrier was installed in two parts, "The first membrane was installed over the excavation after backfilling. The second membrane was installed over the existing slab and beneath the 4-inch thick self-leveling concrete slab." Four additional monitoring wells were installed. Groundwater at depth of 6'b below grade and flows to the north-northwest. Four additional soil borings were performed in surrounding sidewalks and converted into groundwater monitoring wells. Borings showed fill material to depth of 8'bg and clayey silt below. "The absence of physical evidence of petroleum contamination in boring B-1 (which was installed at 55-63 Roebling Street) indicated that the source of the contamination was not likely the upgradient, former gasoline station". ASTs were also removed from basement as site will be using natural gas. Soil was excavated to depth of 1.5' below the water table and final depth of excavation was 3.5 to 4 feet below the basement slab. Six tons of soil were removed from the site. Four soil sidewall samples were collected. Soil analyticals show minor dibenzo(a,h)anthracene exceedence (PAH) up to 88ppb attributable to fill material. Groundwater analyticals show 8ppb acenaphthene. No further groundwater monitoring required due to non-detect VOCs in past two groundwater sampling events. Vought sent No Further Action letter with cc to NYCDEP. Spill closed by Vought.

Map Identification Number 74 **MANHOLE #4900**
 NORTH 11TH ST/UNION AVE

BROOKLYN, NY

Spill Number: 9910471

Close Date: 03/27/2002
 TT-Id: 520A-0039-743

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING
 Approximate distance from property: 354 feet to the NE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
 Notifier Type: Other
 Caller Name: STEPHEN CRIBBINS
 DEC Investigator: COMENALE

Spiller: UNKNOWN - UNKNOWN
 Notifier Name: STEPHEN CRIBBINS
 Caller Agency: CON EDISON
 Contact for more spill info: STEPHEN CRIBBINS

Spiller Phone:
 Notifier Phone: (212) 580-6763
 Caller Phone: (212) 580-8576
 Contact Person Phone: (212) 580-8576

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
12/02/1999		UNKNOWN	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

SPILL IS CONTAINED-CLEANUP PENDING SAMPLE RESULTS-CON ED #129165

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 75 **AMONIUM HYDROCHLORIDE SPI**
 215 N. 10TH ST

NEW YORK CITY, NY

Spill Number: 8604708

Close Date: 10/23/1986
 TT-Id: 520A-0040-760

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 378 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL Spiller: ROBINSON BROS. CHEMICALS Spiller Phone:
 Notifier Type: Fire Department Notifier Name: Notifier Phone:
 Caller Name: Caller Agency: Caller Phone:
 DEC Investigator: UNASSIGNED Contact for more spill info: Contact Person Phone:

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/22/1986	10/23/1986	UNKNOWN	UNKNOWN	NO

NO MATERIAL INFORMATION GIVEN FOR THIS SPILL

Caller Remarks:

SPILL FROM VALVE DEP & FD ON SCENE

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was " "
 10/10/95: This is additional information about material spilled from the translation of the old spill file: AMONIUM HYDROCHLORID.

Map Identification Number 76 **CONSTRUCTION/EXCAVATION SITE** **Spill Number: 0911340** **Close Date: 01/25/2010**
 568 UNION AVENUE BROOKLYN, NY TT-Id: 520A-0248-294

MAP LOCATION INFORMATION
 Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 386 feet to the ENE

ADDRESS CHANGE INFORMATION
 Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: UNKNOWN Spiller: UNKNOWN Spiller Phone:
 Notifier Type: Other Notifier Name: Notifier Phone:
 Caller Name: Caller Agency: Caller Phone:
 DEC Investigator: hrpatel Contact for more spill info: CHRIS YESMONT Contact Person Phone: (646) 265-6108

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/18/2010		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	UNKNOWN	0	UNKNOWN	AIR

Caller Remarks:

ANON. 311 CALL TO DEP, REPORTING HEAVY SMELL OF PETROLEUM PRODUCT IN THE AIR AT ABOVE LOCATION. REPORTED LATE DUE TO MISCOMMUNICATION W/IN DEP.

DEC Investigator Remarks:

01/22/10-Hiralkumar Patel. spoke with Chris (at 4:05 PM on 01/21/10) at NYC DEP. Chris mentioned that he went to site, but site was locked. he smelled odors in area.

7:30 AM:- visited site. met Afifa Mahmood, construction supervisor/property manager. Afifa mentioned that odors coming from a storm drain catch basin located at the intersection of Union Ave and Richardson Street. walked through construction site. currently piles being installed for new 7 story residential building with no basement. as per Afifa, elevator pit will go down to 5 ft bg and there will be a vapor barrier installed. found water in couple of holes in site, but no sheen or petroleum odors from excavation holes. Afifa mentioned that they are dewatering excavation holes into a concrete well which is located on-site and once they install piles, they put water back into hole. no dewatering into city sewer system. Afifa asked to contact their architect Robert Jakel about any environmental investigation work prior to construction.

inspected catch basin at the intersection of Union ave and Richardson street. found mixed odors in area.

current project includes three lots (Block: 2731; Lot #: 1, 45 and 47) and owner bought these properties in 2008 and at that time all lots were empty lot (no buildings on-site).

Block/Lot - 2731/1:- addresses: 568-580 Union Ave, 2-16 Richardson St, 1-9 Frost St

Block/Lot - 2731/45:- address: 13-15 Frost Street

Block/Lot - 2731/47:- address: 11 Frost Street

568 Union Ave LLC. **property owner**
c/o Heatherwood Communities LLC. **managment company**
1737 Veterans Memorial Highway
Islandia, NY 11749
Attn.: Afifa Mahmood **property manager**
Ph. (718) 963-0635
Fax (718) 963-0435
email: afifa@heatherwoodapartments.com
568union@heatherwoodapartments.com

Robert Jakel **architect**
Ph. (212) 219-9733 Ext. 15

9:02 AM:- left message for Mr. Jakel.

found PBS record at 568 Union ave property. no spills history at 568 Union Ave. no PBS or spill records found at 11 Frost Street

or 13-15 Frost street.

PBS #- 2-610135. as per PBS record, 568 Union Ave site had one 4,000 gal #6 oil UST which was removed on 01/29/06.

9:57 AM:- spoke with Mr. Jakel. he mentioned that Phase I was done during property transaction and there were no recognized conditions that may require Phase II, so Phase II was never conducted.

10:00 AM:- spoke with Holly at Heatherwood. she has Phase I report and will send copy next week.

Holly O'Brien
Heatherwood Communities, LLC.
PH. (631) 234-1600 Ext. 243

from NYCDOB website found that all three lots has "E" restriction for Hazmat.

10:08 AM:- spoke with Afifa. she mentioned that Phase II was done by previous owner before property transaction. asked Afifa to send copy of Phase I and Phase II for review.

10:46 AM:- received email from Ms. O'Brien with copy of Phase II report. Phase II report was prepared by Don Carlo in April 2007. abstract:

- did GPR survey and found no underground anomalies
- eleven soil borings (B-1 through B-11) were installed to depth of 12 ft bg where groundwater found
- soil was screened every four feet and found no PID readings
- collected two soil samples from each borings: one at 0-4 ft and second at 8-12 ft depth (groundwater interface)
- collected total of three groundwater samples from borings B-1, B-4 and B-8 where temporary well points installed to depth of 14 ft bg
- fill material encountered throughout site from 0-4 ft
- found heavy SVOCs and metals in soil samples and groundwater sample
- no VOC contamination found in any samples except Naphthalene (max: 1,000 ppb in B-6 at 8-12 ft depth)

Ms. O'Brien will send copy of Phase I, RAP and CHASP.

01/25/10-Hiralkumar Patel.

3:39 PM:- received Phase I and RAP from Afifa.

Based on submitted documents, case closed.

Map Identification Number 77 **MANHOLE 4925**
 WITHERS ST/UNION AV

BROOKLYN, NY

Spill Number: 9910080

Close Date: 03/29/2002
 TT-Id: 520A-0039-736

MAP LOCATION INFORMATION
 Site location mapped by: ADDRESS MATCHING
 Approximate distance from property: 387 feet to the SE

ADDRESS CHANGE INFORMATION
 Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
 Notifier Type: Responsible Party
 Caller Name: MARK SCHLAGEL
 DEC Investigator: CAENGELH

Spiller: CALLER - CON EDISON
 Notifier Name: HERBST
 Caller Agency: CON EDISON
 Contact for more spill info:

Spiller Phone:
 Notifier Phone: (212) 580-6764
 Caller Phone: (212) 580-6763
 Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
11/19/1999		UNKNOWN	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

1 PINT UNK OIL ON 50GAL OF WATER - CONTAINED - CASE #129045

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ENGELHARDT"

Map Identification Number 78 **MANHOLE 53375**
 WITHERS ST/ UNION AVE

BROOKLYN, NY

Spill Number: 9909108

Close Date: 12/08/1999
 TT-Id: 520A-0039-723

MAP LOCATION INFORMATION
 Site location mapped by: ADDRESS MATCHING
 Approximate distance from property: 387 feet to the SE

ADDRESS CHANGE INFORMATION
 Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: UNKNOWN	Spiller: UNKNOWN	Spiller Phone:
Notifier Type: Other	Notifier Name: MR POVERELLI	Notifier Phone:
Caller Name: BILL MURPHY	Caller Agency: CON EDISON	Caller Phone: (212) 580-6763
DEC Investigator: JHOCONNE	Contact for more spill info: BILL MURPHY	Contact Person Phone: (212) 580-6763

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
10/27/1999		UNKNOWN	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	2.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

2 GALS OF OIL ON 150 GALS OF WATER. CONTAINED. CLEAN UP PENDING TEST RESULTS. CON ED 128-668

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
 Con Ed E2MIS notes:

FDR 6B54 found approx. 2 gallons unknown oil on approx. 150 gallons of water in MH 53375. No other oil filled equipment, took a liquid sample.

Lab seq# 99-11330<1.0PPM. Car over hole, follow up in the AM, reports <1.0PPM cleanup completed using bio-gen 760 and tag#11762 removed, incident is closed.

Map Identification Number 79
 **MANHOLE #4837**
 ROEBLING AVE/NORTH 11TH

NEW YORK, NY

Spill Number: 9812337

Close Date: 06/16/2003
 TT-Id: 520A-0049-153

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING
 Approximate distance from property: 401 feet to the N

ADDRESS CHANGE INFORMATION

Revised street: N 11TH ST / ROEBLING ST
 Revised zip code: 11211

Source of Spill: COMMERCIAL/INDUSTRIAL	Spiller: RICHARD ROACH - CON EDISON	Spiller Phone: (212) 580-6764
Notifier Type: Responsible Party	Notifier Name: MR DELECROSS	Notifier Phone: (212) 580-6763
Caller Name: RICHARD ROACH	Caller Agency: CON EDISON	Caller Phone: (212) 580-6763
DEC Investigator: JHOCONNE	Contact for more spill info: RICHARD ROACH	Contact Person Phone: (212) 580-6764

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
01/05/1999		UNKNOWN	NO		NO	

Material Spilled	Material Class	Quantity Spilled		Quantity Recovered		Resource(s) Affected
		Units		Units		
UNKNOWN MATERIAL	OTHER	250.00	POUNDS	0.00	POUNDS	SOIL

Caller Remarks:

ABOVE TAR-LIKE MATERIAL DISCOVERED AT ABOVE LOCATION. TESTING TO BE DONE ON MATERIAL BEFORE CLEANUP IS DONE. NO CALL BACK REQUESTED.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL" DEC responder notes:

1/6/99 D. Perez (ERT)- found while making repair on secondary joints. Solid sample collected - requested oil ID.

e2mis no. 122-247:

IN MH4837 WHILE TRYING TO REPAIR SECONDARY JOINTS FOUND A SOLID TAR-LIKE SUBSTANCE IN MH COVERING WALLS & FLOOR. CONTAINED TO STRUCTURE, NO SEWERS OR WATERWAYS AFFECTED. SOLID SAMPLE TAKEN & STOP TAG #04324 PLACED.NOTE;;; PRIOR TO PREFORMING ANY WORK IN MH #9 TO BE NOTIFIED DUE TO DEFECTIVE SECONDARY JOINTS IN MH.

UPDATE 1309 HRS 1/6 D.PEREZ ERT CALLED REQUESTING THAT WE MAKE SURE SAMPLE IS ALSO TESTED FOR OIL ID. CALLED ASTORIA CHEM LAB SPOKE TO P.KEERAN HE WILL LOCATE SAMPLE & CALL BACK.

1429 hrs received call back from chem lab [marta] sample found & id will be done. sample is still drying at this time.

Map Identification Number 81 **CONSTRUCTION SITE**
 NORTH 11TH ST & ROEBLING

BROOKLYN, NY

Spill Number: 0608859

Close Date: 11/07/2006
 TT-Id: 520A-0049-154

MAP LOCATION INFORMATION
 Site location mapped by: ADDRESS MATCHING
 Approximate distance from property: 401 feet to the N

ADDRESS CHANGE INFORMATION
 Revised street: N 11TH ST / ROEBLING ST
 Revised zip code: 11211

Source of Spill: COMMERCIAL/INDUSTRIAL
 Notifier Type: Local Agency
 Caller Name:
 DEC Investigator: SFRAHMAN

Spiller: COUNCILMAN YASSKY - CONSTRUCTION SITE
 Notifier Name:
 Caller Agency:
 Contact for more spill info: COUNCILMAN YASSKY

Spiller Phone: (718) 875-5200 ext. M
 Notifier Phone:
 Caller Phone:
 Contact Person Phone: (718) 875-5200 ext. M

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/01/2006		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

DURING EXCAVATION AT THIS LOCATION PETROLEUM CONATMINATION WAS DISCOVERED

DEC Investigator Remarks:

11/07/06 Rahman- Cross referenced to spill #0605974

Map Identification Number 82 **W OF ROBLING AV**
 N 8TH ST

BROOKLYN, NY

Spill Number: 9814263

Close Date: 04/02/1999
 TT-Id: 520A-0050-180

MAP LOCATION INFORMATION
 Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 466 feet to the WSW

ADDRESS CHANGE INFORMATION
 Revised street: NO CHANGE
 Revised zip code: 11211

Source of Spill: UNKNOWN	Spiller: UNKNOWN	Spiller Phone:
Notifier Type: Affected Persons	Notifier Name: MR WAYNEWRIGHT	Notifier Phone: (212) 580-6763
Caller Name: TONY CONSTATINE	Caller Agency: CON EDISON	Caller Phone: (212) 580-6763
DEC Investigator: JHOCONNE	Contact for more spill info:	Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
02/26/1999		UNKNOWN	NO		NO	

Material Spilled	Material Class	Quantity Spilled		Quantity Recovered		Resource(s) Affected
		Units		Units		
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

1 PINT OF UNK OIL (TM69) WAS INADVERTENTLY SUCKED UP INTO A FLUSH TRUCK - 123305 IS CON ED REEF # - TRUCK IS BEING QUARANTINED IN YARD

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
 Con ed e2mis notes:

Approx 1 pt unknown oil mixed with 4 cubic feet of dirt from floor of TM. No oil remaining in TM. I&A networks pressure tested and checked oil level of TM-- no leaks and oil level okay. Truck was quarantined in the 3rd ave yard. One sample oil and dirt sent to chem lab.

Results water <1.00ppm.

W.Tudy Env. ops reports <1.0 ppm cleanup complete and tag removed. Incident is closed.

Map Identification Number 83 **213 NORTH 9TH STREET** **Spill Number: 0708819** **Close Date: 10/22/2008**
 213-217 NORTH 9TH STREET BROOKLYN, NY TT-Id: 520A-0210-496

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 471 feet to the WNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL Spiller: FRED BARILLA Spiller Phone: (631) 589-6353
 Notifier Type: Other Notifier Name: Notifier Phone:
 Caller Name: Caller Agency: Caller Phone:
 DEC Investigator: AXDORONO Contact for more spill info: FRED BARILLA Contact Person Phone: (631) 589-6353

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
11/13/2007		OTHER	YES		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

PHASE TWO INVESTIGATION FOUND CONTAMINATED SOIL:

DEC Investigator Remarks:

Sangesland left a voice message with Fred Barilla requesting additional information on the Phase 2 investigation and any follow up work they may have already planned.

12/07/07 A csl was sent to

Mr. Simon Dushinsky
 Hope Street Holdings
 39 Hayward Street
 Brooklyn, NY 11211

01/30/08 I inspected the site this morning, met PW Grosser rep Fred Barilla. He indicated that one 1,000 gallon tank, partially buried was removed from the SE corner of the site. PW did not witness the tank removal but there was few inches of sludge at the bottom of the tank. Soil excavation is being done today at the former tank location, contaminated soil discovered at the tank bottom. I did smell petroleum at the excavation area and recommended covering of the stockpiled soil to prevent spreading odor. I also told them to collect soil sample from the bottom of the tank excavation to characterize the soil. There was no liquid product observed at the excavation hole during my visit, but later on, I got a call from Fred Barilla saying that they discovered free

product at the hole after my departure. I strongly recommended to take pictures, samples of the product from the hole. Fred said air monitoring is being done continuously and actions will be taken as per health and safety plan previously submitted to DEC. There are two other spots where they found anomaly on GPR survey on the site. (SR)

*****The site is designated with a Hazardous Materials "E" (E-138) as part of the Greenpoint-Williamsburg Rezoning Action (CEQR#04DCP003K)*****

02/20/08 Preliminary Phase II was done in September 2006. Five soil borings were performed. Elevated VOCs and SVOCs were detected in soil and ground water. PW Grosser performed supplemental investigation in October 2007. Several elevated VOCs were identified at B 14, several SVOCs were also identified above RSCOs limit across the site. Three ground water samples were collected from B12, B15 and B16. VOCs in ground water were within the NYSDEC GQS. In January 2008 investigation, Area of B-14 (Center of the site) has elevated VOCs along the south wall and excavation bottom at north side. Recent VOCs in end point soils are: Benzene 500 ppb, Ethylbenzene 8900 ppb, m+p-Xylene 30,000 ppb, n-Propylbenzene 16000 ppb, Isopropylbenzene 7400 ppb; VOCs concentration in ground water are: Benzene 110 ppb, Isopropylbenzene 300 ppb, Naphthalene 1800 ppb, Ethylbenzene 69 ppb, 1,2,4 Trimethylbenzene 590 ppb, p-Isopropyltoluene 1200 ppb, n-Butylbenzene 1200 ppb. End point samples along N 9th street will be collected, was not taken due to additional excavation. Soil and GW testing at western side of the excavation also required. RAP and Phase II report are in the file. Case referred to Remediation section for further management. (SR)

02/25/2008: This spill case was transferred to A. Doronova. AD

Spoke with F. Barilla of PWG and scheduled site visit for Friday, February 29, 2008.

02/29/2008: Visited the site with J. Kolleeny. Fred Barilla of PWGC and David Yedelson (attorney) met us at the site. They showed property grounds with three areas of concern. There are some high hits of petroleum contamination in groundwater sample from test pit TP-3 (few thousand ppb), no soil analytical data was available for this boring. Also some elevated levels of VOCs and SVOCs were detected in the Excavation pit B14 (Benzene - 110ppb) It was agreed that the consultant will provide DEC with a work plan for some additional groundwater delineation through installation of a few GW wells and to include in this plan some remedial actions such as: RegenOx application into the excavation pits and excavation of the soil in the area of test pit TP-3. AD

03/07/2008: Received a copy of work plan from F. Barilla of PWG. Will review. AD

03/10/2008: Reviewed the work plan. Monitoring wells locations have to be changed. Spoke with F. Barilla of PWG. Asked him to relocate the wells and indicate on the site diagram extend of excavation. Amar Nagi of DEC requested preparation of the STIP for this site to ensure implementation of the required by DEC investigative and remedial actions. AD

03/11/2008: Prepared the STIP with a cover letter and CAP. Spoke with F. Barilla of PWG. Informed him about DEC decision to issue the STIP and additional requirements to the investigation plan. Faxed him the site diagram with locations for four more wells. Sent the STIP to Mr. Simon Dushinsky of the Rabsky Group, LLC. with cc: J. Kolleeny - DEC; F. Barilla - PWG and file. AD

03/13/2008: Spoke with D. Yedelson. He was disagree with Paragraph 3 in STIP. I referred him to J. Urda of DEC. Spoke with J. Kolleeny regarding this site. AD

03/14/2008: D. Yedelson sent an email to Ms. Suzanne Y. Mattei of DEC with request to schedule a meeting. AD

03/25/2008: Spoke with D. Yedelson. He would like to schedule a meeting with DEC regarding Paragraph 3 in Stipulation Agreement. AD

03/28/2008: D. Yedelson copied me an email he sent to Ms. Mattei of DEC with request of time extension to execute the stipulation until the issue with Paragraph 3 in STIP will be resolved. Forwarded his email to John Urda of DEC, because of legal issues involved. Spoke with J. Urda. AD

04/03/2008: Received a copy of email from D. Yedelson to Ms. Mattei of DEC in which he states that his client will submit the requested remedial and investigatory work plan today and Mr. Yedelson is scheduling the field work. STIP was not signed yet. Forwarded this email to J. Urda of DEC. AD

04/07/2008: Received a Supplemental Investigation Workplan from PWG. Spoke with J. Urda. AD

04/09/2008: Spoke with J. Urda and L. Oliva of DEC regarding submitted investigation work plan. They confirmed that I can review the work plan and issue an approval letter if applicable, without signed STIP. AD

04/14/2008: Sent an approval letter to Mr. Dushinsky of Rabsky Group, LLC.(owner). (cc: J. Kolleeny-DEC; F. Barilla-PWG; eDocs). Spoke with Fred Barilla of PWG, to make sure they will collected soil samples from soil borings. AD

Received an email from F. Barilla of PWG.

05/02/2008: Spoke with D. Yedelson regarding backfilling of the excavation pit. They plan to do it on Monday, May 5, 2008. Will visit the site prior the backfilling. AD

05/05/2008: Visited the site with J. Kolleeny of DEC. Met with F. Barilla of PWG and D. Yedelson. Newly installed monitoring wells were surveyed and sampled. GW labresults are not ready yet. End-point soil samples results from excavation around TP-3 did not indicated VOC concentrations above required standards. Approved to backfill excavation pit in the vicinity of TP-3. Asked to collect six additional individual end-point soil samples from the excavation pit along 9th street and along the night club building. Requested to submit a summary report with conclusions and recommendations. AD

05/14/2008: Received hard copies of laboratory results. Will review. AD

08/14/2008: Called and left a message to F. Barrila regarding the report submission. AD

09/16/2008: Received a Spill Closure report. Will review. AD

10/01/2008: Spoke with Fred Castellano of PWG, asked him to submit PDF copy of the report. AD

10/06/2008: Received requested CD with the report. Was not able to DL it to eDocs due to oversized format. AD

10/10/2008: Reviewed the report. Some data is missing. Called and left a message to F. Castellano regarding re-submisssion of CD. AD

10/14/2008: Called and spoke with Cris of PWGC regarding new PDF copy of the report and some missing data (analyticals for end-point samples SW-1B through SW-4B, and map with location of soil samples CS1 through CS-7). He said that requested data will be submitted in a few days. AD

10/17/2008: Received a phone call from Z. Youngman of PWGC. He sent CD with PDF copy of the report today with some changes. We will receive it probably Monday, Oct. 20. AD

10/21/2008: Received a reduced size PDF copy of the spill closure report. DL to eDocs. A requested summary table with results for samples SW-1 through SW-4 was presented. Regarding samples CS1 through CS-7 Mr. Youngman explained that they were collected for waste soil characterization. AD

10/22/2008: Discussed the site with J. Kolleeny of DEC. Issued a NFA letter addressed to Simon Dushinsky of Hope Street Holdings. (cc: J. Kolleeny-DEC, D. Yudelson - attorney, Zeb Youngman-PWGC, file). This decision was made based on submitted analytical data and remedial actions performed at the site. In addition, this site is listed as "E" restricted by NYCDEP, so future mitigation work such as:

- removal of any additional contaminated soil found during pre-construction excavation at the site;
 - installation of vapor barrier beneath new slab;
 - installation of sub-slab depressurisation system;
- will be required at the site by the NYCDEP in conjunction with the construction of the proposed building. AD

Map Identification Number 84**EXCAVATION**

214 NORTH 11TH STREET
CORNER DRIGGS ST

BROOKLYN, NY

Spill Number: 0612680

Close Date: 02/22/2007

TT-Id: 520A-0048-949

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 487 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Other
Caller Name:
DEC Investigator: sfrahman

Spiller: BOB - EXCAVATION
Notifier Name:
Caller Agency:
Contact for more spill info: BOB

Spiller Phone: (909) 226-0990
Notifier Phone:
Caller Phone:
Contact Person Phone: (909) 226-0990

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
02/22/2007		OTHER	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

CALLER STATES THAT A DEC REP NEEDS TO GO TO ABOVE ADDRESS AND CHECK SITE OUT, THEY ARE EXCAVATING AND ALL KINDS OF BLACK STINKY SOIL IS COMING UP

DEC Investigator Remarks:

This is a duplicate spill to an existing ongoing spill case.
 Ref spill #0605974 - DEC Manager is Sharif Rahman

Map Identification Number 85 **EXCAVATION SITE** **Spill Number: 0605974** **Close Date: 06/06/2008**
 204-214 NORTH 11TH ST BROOKLYN, NY 11211 TT-Id: 520A-0048-948
 MCCAREN MEWS

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 487 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO REVISION MADE

Source of Spill: UNKNOWN Spiller: CHARLIE SOSIK - EXCAVATION SITE Spiller Phone: (631) 589-6353
 Notifier Type: Local Agency Notifier Name: Notifier Phone:
 Caller Name: Caller Agency: Caller Phone:
 DEC Investigator: SFRAHMAN Contact for more spill info: CHARLIE SOSIK Contact Person Phone: (631) 589-6353

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
08/23/2006		UNKNOWN	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	GROUNDWATER

Caller Remarks:

CLEAN UP IN PROCESS AND WAS FOUND DURING EXCAVATING.

DEC Investigator Remarks:

**** Removed tank needs to be registered****

Sangesland spoke to Charlie Sosik of PW Grosser Consulting.

Site is an open excavation site right now with plans to build a residential tower. Because of it's industrial history and the contamination found during a Phase 2 investigation, the NYC Buildings Dept has given the site an "E" designation (meaning there are environmental issues to be resolved before the building can be finished)

Right now they're excavating the soil and sending it to an approved facility. During this process they found oil soaked soil (that's why they called in the spill report).

Because of the high water table (8ft depth?) when the basement floor will be at 12 ft depth, the contractor will need to install a "Frac Tank" to pump the contaminated water/oil mix until it can be removed from the site.

The longer term plan to remove the water from the site, is to set up an oil/water separator, contain the oil and discharge the water into the city sewer system (with city approval).

PW Grosser has done this type of work before and will keep the DEC up to date with the progress on cleaning up the site.

11/02/06 Rahman- Spoke with Chris Almskoz of PW Grosser Consulting. He told me that the excavation begun around July of this year and contaminated soil is being sent to disposal facility in NJ. There is a dewatering system active at that site with permit city DEP. He also indicated that they are continuously monitoring air quality(dust & odor)at that site. I told him to take immediate measure to minimize petroleum odor(cover the stockpiled soil, use deodorant powder)that travelling down wind. DEC will receive Phase II and RAP shortly.

11/03/06 Rahman- Spoke with Chris Almskog again this morning. DEC rec'd air quality monitoring data over past few days from different locations of the site. The PID meter(mini RAE 2000) detected highest voc concentration as 1.8 ppm(As per DER 10, at 5.00 ppm voc level work activities must be temporarily halted, at 25.00 ppm level work activities must be shutdown). Nonetheless, covering of the stockpiled soil with polythin sheeting, use of deodorant foam and direct loading to the truck have been strongly recommended at this time.

11/16/06 Rahman- Inspected the site again on 11/15/06 at around 4.00 pm after getting the odor complaint from Mr. Avigail Milde, a neighbor next door. I could not verify the complaint as there was no odor at that time and PID meter detected no reading(0.0 ppm)at street level and inside the lot. Oil-water mix is being pumped out to a settling tank for disposal as they accumulate at the bottom of the excavation. Sharif noticed covering of stock piled soil with green polytheen sheet to suppress the odor if it tends to spread.

The subject property is the planned site for the construction of a residential building. The proposed development will include the construction of a six-story, 19,800 square foot (foot print) building with a basement, and a separate three story 10,000 square foot (foot print)

parking garage. Excavation to an approximate depth of ten to twelve feet will be required for the construction of the foundation beneath the building and to a depth of 5 feet below the parking garage. The remainder of the property approximately 8,000 square

feet will be capped with concrete and will serve as an open courtyard.

During the excavation, a previously abandoned 3,000 gallon heating oil UST was uncovered. It was located about 110' west of Roebing and 25' south of North 11th Street. In early August, Koon Tang visited the site with Charlie Sosik (formerly of PWGC) to discuss the UST and how to proceed. As per PW Grosser's claim, it was agreed upon to continue the excavation process to the proposed construction dimensions and Koon Tang or other DEC rep would visually re-inspect the site after soils were removed and properly disposed of.

Regarding the odor issue- the developer has vacuumed out floating product (11/15/06) from the onsite exposed water, used absorbent pads to collect product as it is observed, has been covering soil stockpiles with plastic sheeting after excavation activities, and he has

been soliciting contractors to apply an odor suppressing solution and/or foam encapsulant as excavation activities continue.

They plan on continuing to vacuum out floating product and use absorbent pads and/or booms when and if it continues to build up and to apply suppressant as needed.

They are in the process of obtaining a dewatering permit. Once they obtain the permit, the developer will continue to excavate directly into trucks for proper soil disposal. Once the proper excavation limits are achieved the developer is planning on installing a suitable sub-base for the foundation and slab and then setting concrete forms and pouring the foundation. It is anticipated that dewatering of the site will continue until after the foundation and slab are in place and waterproofed.

DEC requires clean end point samples and periodic sample of dewatering water before installing the foundation.

12/12/06 Rahman- I inspected the 204 N 11 Street excavation site 12/11/06 morning and met one of the owners Mr. Issac Schwarz. Currently, the excavation and removal of contaminated soil is proceeding towards the western side of the lot. On the eastern side, the installation of the pile caps is occurring, as the confirmatory end point samples results shows the organics were within acceptable range. There was no odor at the side walk level surrounding the lot, but I found a slight odor inside the lot near the stockpiled soil (PID reading; 0.5 ppm to 1.5 ppm). I suggested to the owner of the property that he cover the stockpiled soil until it is removed from the site for disposal (that action was taken immediately by the owner). Additional rounds of sampling will be performed in the middle and western side, once the excavation is completed down to proposed construction depth. Soil beneath the proposed building slab is to be covered with a vapor barrier line, followed by the concrete slab. As per phase II investigation, ground water was not impacted by the release from the buried tank. PW Grosser Consulting is overseeing the environmental issues. DEC has been notified that Bio solve solution is being used to suppress odor at the site, in addition to covering the stockpiled soil with polythin sheet.

Three Ground Water samples have been suggested to send to lab again to reconfirm the ground water quality at the end of the removal of perched oil water mix from the site.

01/26/07 Rahman- One out of four GW samples came up with some hits of voc/svocs.

02/20/07 Rahman- Offsite source investigation comprised of five monitoring wells have been submitted to DEC. I recommended for additional one on north sidewalk of N 11th street across the current seepage.

02/27/06 Rahman- I inspected the site this afternoon after being advised by the Regional Spill Engineer. No activity (excavation, installation of pile cap) was observed at the site today. There was no odor on sidewalk level (four sides of the lot), PID meter reading was .0 - 0.5 ppm. Two crews were at the site to pump the little amount of oily water as it accumulates. Apparently, the seepage has been subsided.

Dept. rec'd the recent end point sampling result along with proposed monitoring wells installation plan.

03/05/07 Sharif inspected the site today, excavation of soil proceeding at the southwestern side, no odors observed.

03/14/07 Rahman- I stopped by the site today. Excavation extended to the southeast side currently. There is a slight odor spreading of the exposed soil today, that soil will be covered with polythene at the end of excavation today. 211 n 11th Street is a wire house across the 204 N 11th site. There are doing a Phase II as part of property transaction. Copy of Phase II can be found on request from Roy Leonard @ (646) 262-2840.

03/27/07- Inspected the site today at noon. MW installation will take place on coming thursday/friday. The seepage along the N 11th

Street has decreased, in terms of quantity and pumping operation is in effect as needed. There was no odor outside of the lot, slight odor was observed in the lot. Stockpiled soil is kept covered until loaded to the truck for disposal.

03/29/07 Wells installation taking place today. I was there this morning when the well drilling was being performed. I came to know that a UST was removed recently from 211 N 11th street garage, which is directly across the seepage spot. I spoke with that property owner Mr. Roy Leonard and he confirmed that a 1080 gallon UST was removed and no spill/contamination was found. I requested him to send us the tank closure affidavit/company name who removed the tank.

One well is being installed IFO 211 N 11th street.

04/10/07 Activities are suspended because of the holidays, will resume on 04/11/07. No odor was observed on 04/06/07 visit to the site. Sampling of the six wells will take place today on 04/10/07. (SR)

04/16/07 Flood water stranded in the lot, is being pumped out to the storm drain, no sheen/evidence of oil observed during my visit this morning. (SR)

05/10/07 Sharif spoke with P.W Grosser (Kris Almskog). The monitoring wells sampling data is being reviewed by PW Grosser. As per Kris, well on south side of N11th street indicated some product only. Wells on roebbling side indicated presence of BTEX, no free product. PW Grosser plans to collect the free product from wells and perform another round of sampling.

06/06/07 AB Environmental pumped out oil from one well on side walk this morning. All other wells were checked for product, but there was no floating product. I was present that time. Approx. 2 gallon was collected from one well. (SR)

06/28/07 MW#1 was checked on 06/27/07 morning around 09:15 AM and approx. one gallon product was collected for disposal. (SR)

07/25/07 Spill#0750535 has been created to investigate the source of the petroleum seepage by state funded contractor, PIN case#04394. (SR)

10/02/07 Reviewing Phase II report done in March 2006. Contamination was observed in shallow and deep soil throughout the site and also in ground water. DEC was not notified that time about the contamination discovery, why? Again, in Phase II report, soil analytical for VOC/SVOCs were not provided.

I spoke with Mr. Issac Swartz and told him to provide DEC the Soil analytical result with pictures of the site at different stages of the excavation work.

I emailed and left a message for Kris Almskog of PW Grosser few days ago regarding the pictures of the site and Soil analytical from Phase II. (SR)

10/04/07 According to Phase I report by CA Rich Environmental Services, the building at 203 N 11th St had been used as a record storage warehouse for at least twenty years. Phase I identified former use of oil to heat the building based on a 1950 oil burner application to Department of Building. No evidence of vent pipes, fill ports or concrete patches was observed during Phase I investigation. During excavation activities for building development, 2,000 gallon UST was found and on August 1st 2006 tank was removed by Tradw Winds Environmental. Apparently, the UST had been in the soil for about fifty years. No details information was provided about the Tank conditions like, corrosion, leak, holes or contamination around the tank. Affidavit from Trade Winds says remaining oil was removed from the tank and tank was removed with piping for disposal. Waste disposal manifest shows approx. 100 gallon sludge was removed from tank bottom. Waste disposal manifest also shows approx. 6,000 gallon petroleum contaminated water was disposed during tank removal month. Apparently, the petroleum contaminated water was removed from the tank area. DEC requires the following information:

1) Soil analytical from Phase II

2) Details information about the UST condition (corrosion, leak, contamination around the tank)

3) Pictures of the site during soil excavation works. PW Grosser (Kris Almskog) told me that they have more than 100 photographs of the site during excavation.

4) Disposal manifest for liquid in the settling tank. A settling was engaged on N 11th Street to collect oil water mix since October 2006 for about 7/8 months.

5) PBS registration of UST. (SR)

10/17/07 Developer of 204 N 11th site Mr. Schartz(718.218.8330) called me this morning and asked me if the investigation is completed and he could get the spill closed on his property.I told him that DEC's contractor expeditiously working to complete the investigation and at this point DEC requires additional information from his consultant PW Grosser regarding the UST on site, soil analytical from Phase II,details info on corrosion/holes of the UST with pictures,pictures of the excavation site during the excavation and removal of contaminated soil and water, etc.He told me that PW grosser will contact me today with the required info.(SR)

10/25/07 Conference call in DEC attorney John Urda's office with John Urda, Sharif Rahman, Jeff Vought and Dev Yudelson on the phone.DEC requires photos of the site at different stages of excavation and removal of contaminated soil/water, disposal manifest for the oil removed from the settling tank.Dev Yudelson indicated that he would advise his client accordingly.(SR)

10/26/07 Artie Baldwin from Trade Winds called me this morning in response to John Urda's call yesterday regarding the Tank at 204 N 11th site.He told me that they have a file on that tank which includes some pictures,too.He would send DEC whatever documents they have regarding the tank.

03/07/08 Department's letter requiring aggressive contamination removal from underneath the sidewalk went out to P.W.Grosser Consulting on 02/12/08.The letter asked to perform removal of contaminated soil and free product from underneath the side walk by excavating, as technically practical and feasible.Letter was approved by RSE and DLA.We had a meeting with DEC Vought, RSE Mr. Austin, John Urda and DEC sharif Rahman in RSE's office and discussed P.W Grosser's response regarding their proposal to VEFR the wells only, instead of excavation and removal of gross contamination underneath the sidewalk.RSE Mr. Austin opinioned that due to poor transmittivity of the oil, quantity of accumulation to the wells is also nonsignificant. Therefore, without excavation,VEFR will not work well to recover free product from underneath the sidewalk. RSE recommended to contact Key Span Energy to study feasibility of excavation near their gas main to remove contamination.A meeting with property owner's consultant, counsel was scheduled on 03/13/08 at DEC office to discuss about remedial strategy.(sr)

03/17/08 A meeting was held on 03/13/08 at DEC region 2 office with P.W. Grosser(Kris Almskog),Proper owner Issac Swartz and Mr. Firetog.On DEC side- John Urda, Randall Austin,Jeff Vought and Sharif Rahman.DEC explained that due to the fact that ground water flow direction is from the site to the north and an UST that had oil in it with strong evidence of oil release to the ground, the site 204 N 11th Street is the most potential source of this oil contamination and there was no other source found.It was decided that PW Grosser will prepare revised work plan to excavate and remove contamination from the sidewalk after consulting and keeping KeySpan in the loop.KeySpan has to be notified and clearance is needed from them in order to excavate near gas line.KeySpan Energy's contact info was given to P.W. Grosser.As per RP's request to close out this spill, DEC decided to close Spill 0750535 after the cost of investigation is paid by Mccarren Park Mews.Issac Swartz agreed to pay the bill for investigation done by Envirotract.Total cost of the investigation was provided to John Urda for dispatching to McCarren Mews.It was also discussed to analyze ground water quality once excavation and removal of gross contamination is completed.

(sr)

05/27/08 I called Dave Lorhtior(EnviroTrack) and requested him again to send DEC a confirmation letter when the bill for PIN job is paid by McCaren Park Mews so that I can request DEC central office to take off the PIN number and spill 0605974 can be closed as per the stipulation agreement.Spill#0750535 will remain open until the remedial work is completed as per the Corrective Action Plan(CAP).(s.r)

06/02/08 I spoke with Envirotract's project manager Dave Lorthior regarding the bills, he said they have been paid and he would send us the confirmation by today. Erin Gaus from Test America(Lab) also told me the same.Once we receive the confirmation letter, this spill case will be closed.I contacted with Kris Almskog of P.W. Grosser to get the update on the sidewalk excavation job.As per Kris, A.B. Environmental was hired to perform the work, application for side work permit has been submitted to NYC

DOT.Kris also indicated that as part of IRM, wells will be monitored today.(sr)

06/06/08 Rec'd letter/e-mail from Envirotract and Test America confirming that the invoices were paid in full and there is no other bill unpaid associated with spill#0750535/PIN 04394. As per Stipulation agreement,R2-20080502-236 and consent from RSE and DLA(John Urda), spill#0605974 is closed.

** Additional remedial activities will be carried out under Spill#0750535** (sr)

** 06/18/08 I stopped by the site and observed some soil excavation taking place at the south west side proposed parking lot area, soil has black stain and it has odor.I suggested to take soil samples from the bottom of the excavation in a grid pattern and perform air monitoring today and after. P.W Grosser(Chris Almskog)sending crew to take samples today, as per our conversation today.I also suggested Isaac Swartz to cover the stockpiled soil in order to prevent the odor from spreading.Chris Almskog indicated that they are working with Keyspan and Contractor A.B. Environmental to schedule the excavation and removal of contaminated soil from under N 11th street sidewalk.(sr)**

06/23/08 I responded to the site with DEC Hasan Ahmed.P.W.G.C rep Jennifer Lewis, AB Environmental, National Grid(KeySpan) rep Douglas Laregina were present at the site.AB Environmental started excavation at MW-1 location.With Keyspan's approval the excavation dimension was approx 9'deep,2'wide and 4' long along N 11th Street.Free product found in the excavation hole that was sucked out by A.B Environmental.Excavation will be back filled today as there is safety issues involved, but will be reopened for more excavation and installation of recovery well.I told PWGC and Isaac Swartz that actual dimension of the excavation for efficient and safe recovery of the soil/oil contamination must be determined by a licensed Professional Engineer as per DEC's letter Feb 12'2008.MW-11 was checked for product by a stick and free product was found.MW-12 and MW-4 are also the potential location for free oil contamination.(sr)

07/09/08 I and Jeff Vought discussed sampling result taken from the parking garage area with RSE Mr. Austin.As per RSE, the exceedances of VOC/SVCOs in soil samples are not indicative of petroleum release in that part of the lot and the garage area will be covered with 8" thick concrete slab sealing the pathways for vapor migration, according to the PWGC RAP.However,RSE instructed to check the investigation report of 200 N 11th Street, site west to 204 N 11th for ground water contamination.Phase II investigation report for 200 N 11th Street was checked and only minor exceedances of some VOCs were observed.That spill was closed(0609092).(sr)

10/29/08 Spoke with P.W.Grosser(Kris Almskog)this morning,he said the monitoring wells were surveyed last week and a report will be sent to DEC on quarterly status of the product recovery and monitoring wells.(sr)

** This case is closed and referred to spill 0750535.**

Map Identification Number 86 **GAS STATION** **Spill Number: 0000373** **Close Date: 02/27/2003**
 **2 ROEBLING ST** **BROOKLYN, NY** **TT-Id: 520A-0039-808**

MAP LOCATION INFORMATION
 Site location mapped by: PARCEL MAPPING (2)
 Approximate distance from property: 507 feet to the N

ADDRESS CHANGE INFORMATION
 Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION Spiller: CALLER - ANTHONY FURNACOLA Spiller Phone: (516) 457-3365
 Notifier Type: Affected Persons Notifier Name: Notifier Phone:
 Caller Name: GERARD RUTIGLINO Caller Agency: SHARP ENVIO Caller Phone: (631) 451-7300
 DEC Investigator: TOMASELLO Contact for more spill info: CALLER Contact Person Phone: (516) 457-3365

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors),
 contamination of drinking water supplies, or significant release to surface waters.
 Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/10/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

CALLER STATES THAT HE IS DOING EXCAVATION AND HAS DISCOVERED CONTAMINATED SOIL. CALLER REQ CALL BACK ON CELL PHONE. NUMBER LISTED ABOVE

DEC Investigator Remarks: DEC INVESTIGATOR REMARKS NOT AVAILABLE FOR THIS SPILL ACCORDING TO THE LAST UPDATE.

The following DEC Investigator Remarks were available prior to 1/1/2002:

NAC CORP DID TANK REMOVAL DID NOT NOTIFY THE dec. gAS TANKS GERALD OF sHARP TRANSP AND DISPOSAL is the project coordinator. 631-451-7300. GOR ENDPOINTS THAT ARE CLEAN. OVERNIGHTED ME REPORTS. SIX 550S. i SAID DO 2 gw SAMPLes, one on each side of the tank field. WILL have it done tomarrow, with an AUGER. IONG ISLAND aNALYTICAL will take the samples. tomasello 5/9/2000.

sAMPLES TAKEN AND REVIEWED. cASE CLOSED 6/13/2000 SEE dec ARCHIVE FILE

Map Identification Number 87 **ABANDONED BUCKET**
 9 RICHARDSON ST

BROOKLYN, NY

Spill Number: 0800508

Close Date: 08/01/2008
 TT-Id: 520A-0215-900

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
 Approximate distance from property: 509 feet to the NE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
 Notifier Type: Citizen
 Caller Name:
 DEC Investigator: smsanges

Spiller: UNKNOWN
 Notifier Name:
 Caller Agency:
 Contact for more spill info:

Spiller Phone:
 Notifier Phone:
 Caller Phone:
 Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
04/12/2008		OTHER	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

Caller states someone left a bucket of oil in a parking lot. Unk sizre of the bucket. Bucket is leaking.

DEC Investigator Remarks:

04/14/08-Vought-Off hours responder. DEC Vought and DEC Ahmed to peform site visit.

Map Identification Number 88 **COMMERCIAL PROPERTY**
 200 NORTH 11TH STREET

BROOKLYN, NY

Spill Number: 0609092

Close Date: 04/30/2007
 TT-Id: 520A-0048-947

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 608 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER	Spiller: ZEB YOUNGMAN - COMMERCIAL PROPERTY	Spiller Phone: (631) 589-6353
Notifier Type: Other	Notifier Name:	Notifier Phone:
Caller Name:	Caller Agency:	Caller Phone:
DEC Investigator: SFRAHMAN	Contact for more spill info: ZEB YOUNGMAN	Contact Person Phone: (631) 589-6353

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
11/08/2006		OTHER	NO		NO	

Material Spilled	Material Class	Quantity Spilled		Quantity Recovered		Resource(s) Affected
		Units		Units		
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

DURING SOIL INVESTIGATION FOUND CONTAMINATED SOIL: UNCLER OF SOURCE STILL INVESTIGATING

DEC Investigator Remarks:

Sangesland spoke to Zeb Youngman at PW Grocer. He says they did a phase 2 on the site in Late Oct 2006 (labresults not back yet)
 5 soil borings - all had petroleum oder and water had oil sheen. widespread problems throughout site.
 204 North 11th st (next door) has an open spill number managed by Sharif Rahman and the site is upgradient of this site.
 PW Grocer will take additional soil borings to prove the contamination is coming from 204 North 11th.
 *****Sharif Rahman is case manager for 204 North 11th St.*****
 01/05/07 Rahman- A CSL was sent to (extracted from property shark)

Louise Deyirmenjian
 80 Virginia Dr
 Manhasset, NY 11030

Case has been transferred to Rahman as he has a spill adjacent to this site.
 04/30/07 AES was retained to prepare a Phase II report.The site has a single-story concrete and brick building.The site is a "E" designated site.One UST existed on site and has been removed.One test pit(8-10') was excavated on north side of the lot. Three other soil borings were conducted at three different locations.Eight soil samples were analyzed for VOCs/SVOCs.No VOCs were detected above TAGM, no evidence of free product observed.There were some SVOC exceedances; compound detected are typical of historic urban fill.Comparision of th ePhase II performed by AES and PW Grosser indicate that type of contaminants and concentrations are consistent.AES concluded that containants identified in Phase II investigation consistent with historic urban fill and not petroleum contamination.NFA required.Reports in edocs.(SR)

** There is an open spill case(Spill#0605974) at 204 N 11th Street,which is adjacent to this property.Mccaren Park Mews is the

owner of 204 N 11th Street.**

Map Identification Number 89 **MANHOLE 4930** **Spill Number: 9910564** **Close Date: 03/27/2002**
 UNION AVE/JACKSON ST BROOKLYN, NY TT-Id: 520A-0039-745

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING
 Approximate distance from property: 609 feet to the SSE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: UNKNOWN Spiller: UNKNOWN Spiller Phone:
 Notifier Type: Other Notifier Name: MR POVERELLI Notifier Phone:
 Caller Name: STEVE ROMERO Caller Agency: CON EDISON Caller Phone: (212) 580-6763
 DEC Investigator: COMENALE Contact for more spill info: STEVE ROMERO Contact Person Phone: (212) 580-6763

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/05/1999		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

1 qt oil on 70 gals of water. clean up pending. con ed 129-194

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 90 **MANHOLE 16282** **Spill Number: 9902735** **Close Date: 05/18/2000**
 IFO 288 NO 8TH ST BROOKLYN, NY TT-Id: 520A-0044-449

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 630 feet to the S

ADDRESS CHANGE INFORMATION

Revised street: IFO 288 N 8TH ST
 Revised zip code: 11211

Source of Spill: UNKNOWN	Spiller: UNKNOWN	Spiller Phone:
Notifier Type: Affected Persons	Notifier Name:	Notifier Phone:
Caller Name: STEVE ROMERO	Caller Agency: CON EDISON	Caller Phone: (212) 580-6763
DEC Investigator: JHOCONNE	Contact for more spill info: CALLER	Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
06/09/1999		UNKNOWN	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	2.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

CALLER REPORTS 2 GALLONS ON 15 GALLONS OF WATER. CON ED #125460.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
 Con ed e2mis notes:

approx 2 gallons unknown oil on 15 gallons water in mh. Results: 7ppm, cleanup complete and tag removed. Incident is closed.

Map Identification Number 91	AMOCO STATION -MTBE	Spill Number: 9414922	Close Date: 02/11/2009
	243 MEEKER AVENUE	BROOKLYN, NY	TT-Id: 520A-0049-809

MAP LOCATION INFORMATION
 Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 730 feet to the ESE

ADDRESS CHANGE INFORMATION
 Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION	Spiller: SPARTAN PETROLEUM	Spiller Phone: (516) 365-8700
Notifier Type: Local Agency	Notifier Name:	Notifier Phone:
Caller Name: DAWN MEDAGLIA	Caller Agency: TYREE ENVIRONMENTAL TECH.	Caller Phone: (516) 249-3150
DEC Investigator: JAKOLLEE	Contact for more spill info:	Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/13/1995		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	-1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

GEO PROBE SURVEY ON SITE, FOUND CONTAMINATION.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "K FOLEY"
3/14/03 REASSIGNED FROM TIBBE TO VOUGHT.

12/1/03 Transferred from Vought to Foley.

10/16/06 reassigned from Foley to Tang. (Sun)

11/06/08: This spill case transferred from K. Tang to J. Kolleeny. Recommended to Vadim Brevdo that this spill be added to MTBE Pilot Project, Vadim agreed. - J. Kolleeny

02/05/09: Contacted Jay Semelmacher (emergency contact on PBS form, #2-247405). He didn't have any information regarding the site and suggested sending a letter to Spartan Petroleum.

Spartan Petroleum Corp.
333 New Hyde Park Road
Suite 201
New Hyde Park, NY 11042 (JK/KG)

02/09/09: Letter sent to Spartan requiring:

1. Tank closure assessment report,
2. Explanation of the cause of the release,
3. Subsurface investigation report, including a site location map and a site plan showing the former and current locations of underground storage tanks and soil and groundwater sampling locations. A North arrow and scale bar must be included on the site plan.

If no tank closure report was prepared or no subsurface investigation previously conducted, the Department requires that a work plan for a site assessment including a soil and groundwater investigation be prepared and submitted. The work plan should include a site location map and a site plan showing proposed soil and groundwater sampling locations, as well as current and former tank locations. A North arrow and scale bar must be included on the site plan." Report due 03/19/2009. (JK/KG)

02/12/09: Rec'd letter dated 02/10/2009 from Kevin Kleaka of Impact Environmental stating that this spill has already been closed. Included was the UST Closure Report prepared by Impact dated 10/6/2004 and the No Further Action Letter dated 10/7/2004. Upon review of the documents, the spill was closed by Kevin Hale (central office) in 2004. At that time, this spill was not closed in the NYSDEC database. The spill is now closed in the database and the UST closure report and NFA letter have been uploaded to eDocs. (JK/KG)

Map Identification Number 92 **VACANT/ COMMERCIAL** **Spill Number: 0712729** **Close Date: 04/11/2008**
 506 DRIGGS AVE BROOKLYN, NY TT-Id: 520A-0215-867

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (3)
 Approximate distance from property: 753 feet to the WNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL Spiller: VACANT/ COMMERCIAL Spiller Phone:
 Notifier Type: Other Notifier Name: Notifier Phone:
 Caller Name: Caller Agency: Caller Phone:
 DEC Investigator: rvketani Contact for more spill info: MICHAEL BORELLO Contact Person Phone: (917) 217-7334

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
03/04/2008		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
PESTICIDES	OTHER	0	GALLONS	0	GALLONS	SOIL
UNKNOWN MATERIAL	OTHER	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

semi-volatile MATERIAL AND PESTICIDES; SOIL SAMPLE RESULTS; CLEAN UP PENDING FURTHER INVESTIGATION;

DEC Investigator Remarks:

Consultant was hired to do a Phase 2 on this property for City "Little e" designation. They found small amounts of SVOC and Pesticides in shallow soil borings (2ft depth)

3/5/08 - Raphael Ketani. I looked up the site in the PBS, but it wasn't listed. The block and lot are 2312 and 22. According to ACRIS, the owners are Tadeusz and Krystina Zablocki, 75 Berry Street, Brooklyn, 11211-1917, and Michael Lichtman, 132 Greene Street, New York, 10013.

The environmental company is Environmental Building Solutions. The contact is Michael Borello (917) 217-7334.

I sent a CSL to the owners.

3/11/08 - Raphael Ketani. Today I received a letter from Joseph Horowitz, PE, 76-06 137 St., Flushing, 11367 ((718) 544-5105). The letter stated that a Phase II was currently taking place. Previously, a Phase I was performed for the site and submitted and approved by NYC DEP. NYC DEP is involved because the site has an "E" designation. Mr. and Mrs. Zablocki plan to construct a four story building. The building will require a foundation which is 10 feet deep. Excavation will be at least to a depth of 10 feet. Clearance sampling will take place and the remediation work will be incorporated into the construction work. Mr. Horowitz stated that DEC will get a copy of the Phase II ESA and the Phase III Work Plan. Mr. Horowitz stated that he, Mr. and Mrs. Zablocki, Michael Borello, Principal, Environmental Building Solutions, LLC, 295 Madison Avenue, Suite 1826, NY, 10017, and Innocent Taziva, NYC DEP ((718) 595-3585) should all be copied on any correspondence from DEC.

The NYC DEP reference number is 08DEPTECH159K/04DCP003K.

3/12/08 - Raphael Ketani. I left a message for Mr. Horowitz that the DEC would like the contaminated soil to be removed immediately and that we would like the end point soil sample analytical results.

Mr. Horowitz called me back. He said that the site is half an open yard and half a garage. He said he is waiting for the necessary permits to demolish the garage. Otherwise, they can't move forward. He said that the owners are as anxious as DEC to move forward and get rid of the contaminated soil. Groundwater samples were taken and he is waiting to receive the analytical results.

3/18/08 - Raphael Ketani. Today I received the Phase I for the site from Mr. Horowitz. I reviewed the document. The entire document was lightly reproduced as it may have been printed from a copy of a copy of the Phase I document. The pages in appendices IV and V were too light to read. However, these were mostly maps and neighboring property descriptions, respectively. I had no other comments regarding the Phase I.

3/24/08 - Raphael Ketani. I received a call today from John Zablocki, one of the owners (646) 361-6839. He said that the engineer he had hired was billing him for "all kinds of things." He also wanted to know if he needed to contact DEC before doing the site excavation for the contaminated soil. I told him he didn't have to wait for DEC's approval, but he would need to provide DEC with documentation that he had characterized the soil, and had sent it to the appropriate disposal site. I added that DEC would also need manifests for the loads of soil. I told him that soil borings would have to be taken to delineate the extent of the contamination, unless he already knows this. I told him that DEC had already received some information regarding the level of the contamination. He asked whether he can take the soil samples himself in order to save money. I told him he could and I explained the entire process of soil contamination delineation, sending the samples to a laboratory, submitting a soil sampling plan to be approved by DEC before the work starts, the analytical methods to be used and other details. In the end of our 45 minute conversation, I informed him that hiring an environmental professional, particularly a person with a PE might be the best way to

go, even if it is expensive. I told him that this person will know what to do and the ins and outs of the process. I added that the bank may cut his funding if a PE doesn't oversee the job. I told him to be careful as regards what he does with his project. He said he plans on building a 6 family apartment building. I told him that he should be very careful that the work is done properly. He thanked me for all of the information and the conversation ended.

3/26/08 - Raphael Ketani. I received the (Draft) Subsurface Soil and Groundwater Investigation report dated 3/13/08 from Environmental Building Solutions, LLC. I reviewed the report.

I finished my review of the report. The soil analyticals showed that there were hits for SVOCS in the soil. These were the combustion series of analytes in the 0' to 2' sample and the 14' to 16' sample for B3. There were low level exceedences of TAGM for the 0' to 2' sample. Only a small number of hits were present in the other samples. The samples were almost entirely non-detect for SVOCS. Almost all of the samples were also non-detect for VOCs. Most of the hits were in B-2 in the 0' to 2' sample. The groundwater sample had only some low level SVOC exceedences of TAGM.

The boring location map shows that the drilling sites were widely spaced. I wrote a letter to Mr. Horowitz stating that there should be more borings.

3/27/08 - Raphael Ketani. I spoke to Mr. Horowitz (718) 544-5105 about the site. He said that the Zablockis received the DEC letter requesting 3 additional borings and soil samples. He said that he doesn't want to try to do the borings and get the analytical results for the soil samples as this will take a lot of time. He said that the City program they are involved with gives them a tax break for constructing on their property, but only if they have the foundation under construction before the end of June 2008. He said that what DEC is asking for will take too much time. He said that all of the soil will be dug up anyway and handled as hazardous material due to the pesticide hits. I told him that is fine, but DEC still doesn't know what the subsurface conditions are.

I told him that the site is 100 feet long and that 3 borings are just not enough to characterize the subsurface. I told him that he doesn't have to go down any further than 15 feet and that the analytical results just need to show the 12 most common VOCs and the 12 most common SVOCS. I told him that there are dozens of environmental and remediation companies and that someone has to have equipment available to do a few borings on short notice. He said that he will call me back later.

Mr. Horowitz called a half hour later and asked how many soil samples would be needed. I told him to send off the 3 dirtiest ones. He said nothing is really dirty. I told him that is fine. He asked that he be allowed to order testing via STARS for VOCs and SVOCS. I told him that will be fine. He said that he will talk to the Zablockis and get back to me.

Later, Mr. Horowitz sent me an e-mail memorializing the agreement between him, the Zablockis, and DEC. The agreement stated in the e-mail is: borings will take place March 31 or April 1, 3 borings opposite the existing locations will go down to 16', the dirtiest sample will be collected, analyses will be done via STARS methods 8260 and 8270, results will be presented in an Addendum to the Phase II.

4/1/08 - Raphael Ketani. Mr. Horowitz sent me an e-mail containing a DRAFT letter for Mr. Taziva of NYC DEP. He asked me to comment on the parts of the letter mentioning correspondences between him and me. The statements regarding the correspondences appeared accurate. A made a copy of the DRAFT letter and put it in the paperfile. His DRAFT letter also mentions that the 3 additional borings were performed on April 1, 2008 and soil samples were sent to the laboratory for 24 hour turn around.

4/4/08 - Raphael Ketani. Today I received the final Subsurface Soil and Groundwater Investigation report dated March 13, 2008 from Mr. Horowitz. The report was accompanied by a cover letter to Mr. Taziva of DEP dated 4/2/08. The cover letter states that a vapor barrier will be installed. The report did not include the soil analyses for the 3 additional borings that were requested by DEC. I had no comments regarding the letter, nor the report.

4/8/08 - Raphael Ketani. I received the analytical results for the 3 additional borings that were performed. The respective samples were B-6, B-7, and B-8. All of the results for VOCs and SVOCs were completely non-detect.

I spoke to Mr. Horowitz regarding the analytical results. I asked him why the numbering order goes 6, 7, and 8. He said that he was just following the numbering system from the previous reports. He said that no samples were missing. I asked him why the analytical sheets say that the sample type is "GRAB" when they are supposed to be the soil cores. He said that the samples are from the soil borings.

4/9/08 - Raphael Ketani. Yesterday, I received the Subsurface Soil Investigation Addendum dated 4/4/08 from Mr. Horowitz. I reviewed the document. The analytical results for borings B-6, B-7, and B-8 were the same as the ones I had previously reviewed on 4/8/08.

However, borings B-1 and B-3 were in different locations than in the 3/13/08 report. Also, the Addendum depicts boring B-4 at the location of B-2 and boring B-5 is at the location of B-3. The Addendum puts B-3 at the location of B-1 of the 3/13/08 report. Additionally, I never received the analyticals for B-4 and B-5. I tried to contact Mr. Horowitz to discuss this, but could only leave a message.

4/10/08 - Raphael Ketani. Mr. Borello of Environmental Building Solutions, LLC (646) 290-5925, exr 25 called me back. He said he was sorry for the confusion. He e-mailed me the three different site plans showing the different stages and placements of the series of borings and the well. He also e-mailed me the analytical results for 3 composite samples that were taken to characterize the soil. The analytical results were mostly non-detect with only a handle of low hits of SVOCs.

4/11/08 - Raphael Ketani. Mr. Horowitz sent me the entire analytical package from Environmental Testing Laboratories for the 3 composite samples, along with copies of the Chain of Custody Forms and the 3 different boring location site plans. I reviewed the package and had no comments.

Based upon the analytical results in the March 13, 2008 Phase II, the analytical results in the Addendum to the Phase II dated April 4, 2008, and the April 10, 2008 soil characterization testing results package, I am closing the spill case.

I sent an NFA letter to Mr. Horowitz, with a c-c to Innocent Taziva of DEP.

Map Identification Number 93

LOT NEXT TO 583 DRIDGES

Spill Number: 9904275

Close Date: 02/14/2003



CRN DRIGGES AVE & 8TH

BROOKLYN, NY

TT-Id: 520A-0050-181

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (5)
 Approximate distance from property: 768 feet to the W

ADDRESS CHANGE INFORMATION

Revised street: CRN DRIGGES AVE / 8TH
 Revised zip code: 11211

Source of Spill: UNKNOWN
 Notifier Type: Affected Persons
 Caller Name: MARY SAGAN
 DEC Investigator: SMSANGES

Spiller: UNKNOWN
 Notifier Name:
 Caller Agency: CITIZEN
 Contact for more spill info: CALLER

Spiller Phone:
 Notifier Phone:
 Caller Phone: (718) 388-1973
 Contact Person Phone: (718) 388-1973

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
07/11/1999		UNKNOWN	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN MATERIAL	OTHER	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

caller reports tanks leaking on site next to her residence unknown fluid believes site used to be a old autobody shop.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SANGESLAND"
 SANGESLAND MADE A SITE INSPECTION ON JULY 12, 1999. THE SITE WAS AN OPEN EXCAVATION HOLE, NO EMPLOYEES ON SITE. SS WALKED DOWN TO INSPECT NEW FOUNDATION WALLS. SEVERAL OLD SMALL METAL TANKS (LIKE WELL WATER EQUIPMENT) WERE FOUND IN A PILE OF TWISTED METAL. AN AREA APPROX. 15 FEET LONG AND 5 FEET WIDE ALONG THE INSIDE OF THE WEST (DRIGGS ST) FOUNDATION WALL SHOWED AND SMELLED LIKE GASOLINE.

PROPERTY OWNER: MENDEL GOODMAN - 718-384-2124 WAS GIVEN WRITTEN INSTRUCTIONS TO HAVE THE CONTAMINATED SOIL REMOVED AND TO OBTAIN A MANIFEST SHEET FOR THE DISPOSED SOIL.

PHONE MESSAGE ON 7/15 FROM MR. GOODMAN SAID THE WORK WOULD BE DONE BY 7/21.

ADMINISTRATIVE CLOSURE - AUSTIN

Map Identification Number 94 **SUBWAY TRACKS-NYCT**
 257 NORTH 6TH ST

BROOKLYN, NY

Spill Number: 9800896

Close Date: 02/15/2008
 TT-Id: 520A-0046-973

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 804 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
 Notifier Type: Local Agency
 Caller Name: RONALD LOCHAN
 DEC Investigator: MCTIBBE

Spiller: JOHN RILEY - NYC BOARD OF EDUCATION
 Notifier Name: NYC TRANSIT AUTHORITY
 Caller Agency: NYC DEP
 Contact for more spill info: RONALD LOCHAN

Spiller Phone:
 Notifier Phone: (718) 927-7373
 Caller Phone: (718) 595-4724
 Contact Person Phone: (718) 595-4724

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors),
 contamination of drinking water supplies, or significant release to surface waters.
 Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
04/01/1998		UNKNOWN	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	5.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

UNDERGROUND TANK FROM BOARD OF EDUCATION BELIEVED TO HAVE LEAKED
 IN AREA OF SUBWAY. BILL MATHESON SUPERINTENDANT HAS BEEN CONTACTED ALSO.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
 10/3/03 - AUSTIN - TRANS. FROM HALE TO TIBBE - END

02-15-08: According an e-mail from NYCT Liz Deluca, the area was inspected and no product was found.

Map Identification Number 95 **IN STREET** **Spill Number: 0613323** **Close Date: 03/13/2007**
 **MEEKER AVE/ UNION AVE** **BROOKLYN, NY** **TT-Id: 520A-0050-752**

MAP LOCATION INFORMATION

Site location mapped by: **MANUAL MAPPING (4)**
 Approximate distance from property: **829 feet to the SSE**

ADDRESS CHANGE INFORMATION

Revised street: **MEEKER AVE / UNION AVE**
 Revised zip code: **11211**

Source of Spill: **COMMERCIAL VEHICLE** Spiller: **JERARD ALEXANDRE - RELIABLE PAPER RECYCLING** Spiller Phone: **(201) 333-5244**
 Notifier Type: **Fire Department** Notifier Name: Notifier Phone:
 Caller Name: Caller Agency: Caller Phone:
 DEC Investigator: **hrpatel** Contact for more spill info: **OFFICER ON DUTY** Contact Person Phone: **(718) 476-6288**

Category: **Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.**
 Class: **Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency**

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
03/12/2007		OTHER	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	20.00	GALLONS	0.00	GALLONS	SEWER

Caller Remarks:

GARBAGE TRUCK HIT CURB AND PUNCTURED TANK ON VEHICLE; HAS BEEN CLEANED; BEIVE 2 GALLONS ENTERED SEWERS;

DEC Investigator Remarks:

03/13/07-Hiralkumar Patel. spoke with Celest Okoli (347-672-6059) during off hour duty on yesterday. Celest works with DEP. he was at scene. spill was happened after truck hit curb and broke saddle tank. as per Celest, FDNY left drums filled with diesel on street (not on sidewalk) in corner and could be hit by another vehicle during night. Celest asked DEC to remove these drums. discussed with DEC Austin. he told that DEC will not remove these drums as spill happened from truck and have information of responsible party. regarding location of drums on street, he suggest to call FDNY as they left drums on street. spoke with Celest again and asked him to call FDNY to relocate drums on safe location. Celest gave truck company's info:

Reliable Paper Recycling
 ph. (201) 333-5244

left message at reliable recycling to remove drums from location.

received call from Bob from Reliable recycling today morning. they are removing drums.

all cleaned up. case closed.

Map Identification Number 96 **GAS STATION** **Spill Number: 9608904** **Close Date: 10/18/1996**
 25 SKILLMAN AVE BROOKLYN, NY TT-Id: 520A-0051-730

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
 Approximate distance from property: 901 feet to the SE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION Spiller: UNKNOWN - GAS STATION Spiller Phone:
 Notifier Type: Other Notifier Name: JERRY ESPOSITO Notifier Phone: (718) 389-0009
 Caller Name: JERRY ESPOSITO Caller Agency: CITIZEN COMMUNITY BOARD 1 Caller Phone: (718) 389-0009
 DEC Investigator: JMKRIMGO Contact for more spill info: UNKNOWN Contact Person Phone: (000) 000-0000

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors),
 contamination of drinking water supplies, or significant release to surface waters.

Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
10/17/1996		OTHER	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

citizens are complaining of gasoline fumes-feel that the
 under ground tanks at gas station are leaking

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "KRIMGOLD"

Map Identification Number 97 **25 SKILLMAN AVE**
 25 SKILLMAN AVE

BROOKLYN, NY

Spill Number: 9111612

Close Date: 02/12/2003
 TT-Id: 520A-0051-729

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
 Approximate distance from property: 901 feet to the SE

ADDRESS CHANGE INFORMATION

Revised street: 25 SKILLMAN AVE.
 Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION
 Notifier Type: Fire Department
 Caller Name: LT. ROSEA
 DEC Investigator: SULLIVAN

Spiller: COASTAL OIL OF NY
 Notifier Name:
 Caller Agency: NYC FD
 Contact for more spill info:

Spiller Phone:
 Notifier Phone:
 Caller Phone: (718) 965-8229
 Contact Person Phone:

Category: Known release which created a fire/explosion hazards (inside or outdoors), drinking water supply contamination, or significant releases to surface waters.
 Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
02/10/1992		UNKNOWN	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	0	POUNDS	0	POUNDS	SEWER

Caller Remarks:

NUMEROUS COMPLAINTS OF AREA RESIDENT OF GASOLINE ODOR IN THEIR BUILDING.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 98 **MANHOLE #53380**
 MEEKER AVE/WITHERS ST

BROOKLYN, NY

Spill Number: 9909065

Close Date: 02/22/2002
 TT-Id: 520A-0050-234

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 921 feet to the E

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: UNKNOWN

Source of Spill: COMMERCIAL/INDUSTRIAL Spiller: UNKNOWN - UNKNOWN Spiller Phone:
 Notifier Type: Other Notifier Name: STEPHEN CRIBBIN Notifier Phone: (212) 580-6763
 Caller Name: STEPHEN CRIBBIN Caller Agency: CON EDISON Caller Phone: (212) 580-6763
 DEC Investigator: CAENGELH Contact for more spill info: STEPHEN CRIBBIN Contact Person Phone: (212) 580-6763

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
10/26/1999		UNKNOWN	NO		NO	

Material Spilled	Material Class	Quantity Spilled		Quantity Recovered		Resource(s) Affected
		Units		Units		
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

20 GALS OF WATER IN MANHOLE-SAMPLE TAKEN-CLEANUP PENDING RESULTS
 CON ED #128653

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ENGELHARDT"

Map Identification Number 99 **MANHOLE 4880** **Spill Number: 0508207** **Close Date: 11/30/2005**
 218 N 7 ST BROOKLYN, NY TT-Id: 520A-0044-433

MAP LOCATION INFORMATION
 Site location mapped by: PARCEL MAPPING (2)
 Approximate distance from property: 924 feet to the WSW

ADDRESS CHANGE INFORMATION
 Revised street: 218 N 7TH ST
 Revised zip code: NO CHANGE

Source of Spill: UNKNOWN Spiller: Spiller Phone:
 Notifier Type: Other Notifier Name: DONATONE,MR Notifier Phone: (212) 580-6763
 Caller Name: TOM ENRIGHT Caller Agency: CONED Caller Phone: (212) 580-6766
 DEC Investigator: GDBREEN Contact for more spill info: ERT DESK' Contact Person Phone: (212) 580-8383

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
10/07/2005		UNKNOWN	NO		NO	

Material Spilled	Material Class	Quantity Spilled		Quantity Recovered		Resource(s) Affected
		Units		Units		
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

2 QTS UNK OIL ON 100 GALLONS OF WATER. NO TO ALL 5 QUESTIONS. CLEAN UP PENDING ACCESS. CON ED #161428.

DEC Investigator Remarks:

161428. 10/7/05 - 0810. A. GLODOWSKI - 18711 - MECH, ENV OPS, WHILE RESPONDING TO A CUSTOMER COMPLAINT (ACCT: C7160), REPORTS FINDING APPROX 2 QTS OF AN UNNOWN OIL ON APPROX 100 GALS OF WATER IN MH4880. SPILL IS CONTAINED TO THE STRUCTURE. NO SEWERS OR WATERWAYS AFFECTED. NO FIRE OR SMOKE INVOLVED. NO INJURIES. NO PRIVATE PROPERTY AFFECTED. NO MOVEMENT IN THE WATER. NO SEWER CONNECTIONS. CANNOT VERIFY THE EXISTENCE OF ANY SUMPS OR DRAINS. NO PARKING 0930 - 1030 TUES & FRI. TAG # 49109 PLACED IN STRUCTURE. THE OIL COULD POSSIBLY BE COMING FROM A LEAKY FDR IN THE STRUCTURE. A # 9 FOREMAN WILL BE SENT TO VERIFY. PCB SAMPLE TAKEN. CHAIN OF CUSTODY FORM # DD19519 FILLED OUT AND MARKED 'E' PRIORITY. CLEANUP PENDING LAB RESULT. TJ - 50495

Friday, October 07, 2005 9:45 PM. Lab Sequence Number: 05-10582-001 3.0 ppm

10/10/05 0425HRS INCIDENT WILL BE TAKEN OFF 72HR DEC PROGRAM DUE TO VEHICLE OVER STRUCTURE.

Closed. 11-30-05. see eDocs. GB

Map Identification Number 100 **546 DRIGGS AVE**
 546 DRIGGS AVE

BROOKLYN, NY

Spill Number: 8604284

Close Date: 10/03/1986
 TT-Id: 520A-0045-647

MAP LOCATION INFORMATION
 Site location mapped by: PARCEL MAPPING (2)
 Approximate distance from property: 935 feet to the W

ADDRESS CHANGE INFORMATION
 Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: UNKNOWN Spiller: UNK Spiller Phone:
 Notifier Type: Citizen Notifier Name: Notifier Phone:
 Caller Name: Caller Agency: Caller Phone:
 DEC Investigator: UNASSIGNED Contact for more spill info: Contact Person Phone:

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/30/1986	10/03/1986	UNKNOWN	UNKNOWN	NO

NO MATERIAL INFORMATION GIVEN FOR THIS SPILL

Caller Remarks:

RESIDENT SICK FROM ODOR

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was " "
 10/10/95: This is additional information about material spilled from the translation of the old spill file: AMONIA ODOR.

Map Identification Number 101 **RESIDENCE** **Spill Number: 0811948** **Close Date: 02/18/2009**
 684 LORIMER ST BROOKLYN, NY TT-Id: 520A-0226-081

MAP LOCATION INFORMATION
 Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 944 feet to the E

ADDRESS CHANGE INFORMATION
 Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING Spiller: UNKNOWN Spiller Phone:
 Notifier Type: Affected Persons Notifier Name: Notifier Phone:
 Caller Name: Caller Agency: Caller Phone:
 DEC Investigator: hrpatel Contact for more spill info: ANTHONY MARIANO Contact Person Phone: (516) 379-1500

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/02/2009		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	

Caller Remarks:

CALLER STATES THAT A WATER MAIN BROKE RESULTING IN HIS BASEMENT BEING FLOODED. THERE IS A SHEEN ON THE WATER, THE SUMP WAS IMPACTED.

DEC Investigator Remarks:

2 - 275 gal tanks near the front of the building basement (probably NOT the source of the problem)
 Another building behind this one is vacant and had a water main break. Water flooded across the property line into this building. The basement was pumped out. Then they dug a hole in the floor near the rear of the basement to install a sump pump. The next day a mix of water with an oil sheen came up through the floor.
 Anthony Mariano from Milro will schedule a site visit with Ryan Piper in the next couple of days.

02/12/09-Hiralkumar Patel. spoke with Anthony at Milro. he mentioned that due to water main brake, basement at the subject site was flooded with water and had sheen on it. FDNY Hazmat and DEP responded to the site. after initial cleanup, sump pumps set up in couple of rooms in basement. later on sheen was observed on water in sump in bedroom which is adjacent to boiler room.

Anthony also mentioned that there is a vacant building behind subject site which was gas station in past and owner suspect that oil coming from this vacant building.

C.F.A., Inc. **building owner**
 2977 Mandalay Beach
 Wantagh, New York 11793
 Attn.: Carmine Infante **President**
 PH. (516) 779-2534 (C)
 email: italy31@aol.com

spoke with Mr. Infante. he bought building in 2003 and site has two 275 gal #2 oil ASTs in basement. tanks are located towards front end of building and oily water coming through foundation in back of the basement. Mr. Infante mentioned that there is an abandoned gas station (64 Frost Street, Brooklyn) behind his building and suspect leak at the gas station.

visited site at 11 AM. met Carmine. found odors and sheen on water inside sump located in bedroom. no odors noticed in other part of basement. basement apartment is not continuously occupied as Carmine lives in this basement apartment for couple of days in month. boiler room located behind bedroom. one sump located in boiler room. two other sumps located in room behind bathroom, on north side of boiler room. supply line for tank system at the site, runs aboveground and didn't found any spill in visible areas. no spill noticed under tank location. Carmine removed concrete and some soils from boiler room as was impacted with contaminated water. removed soil stockpiled in backyard of the building, which is behind abandoned gas station site.

asked Carmine to backfill sumps to avoid any odors inside building. Carmine choose to backfill sumps in bedroom and in boiler

room. will keep sumps in adjacent room to the boiler room. also asked Carmine to test his tank system to confirm tightness of the system.

there is another commercial property (297 Meeker ave/56 Frost Street) between the subject site and the gas station site.

inspected gas station site also. found excavated area in front of on-site stores. this excavated area could be location of previous gasoline/diesel tanks. also found signs of borings on concrete surface in front of stores. gas station located at 64-66 Frost Street at the intersection of Frost street and Meeker Ave.

owner of abandoned gas station site:

Paul Joffe
Paul's LLC
318 Grand Street
Brooklyn, NY 11211
Ph. (718) 486-6916

according to building department permit record, Mr. Joffe applied for permit to convert service station into dinning location.

found two spill cases reported at the gas station site.

1. 9601530: tank test failure reported on 04/30/1996. case still open.
2. 9806871: spill called in by citizen on 09/04/1998 about abandoned tanks; tipped over. spill closed on 02/26/2003.

received call from Mr. Carter from Mr. Joffe's office. informed him about situation and asked him to provide all documents regarding spill case at the gas station site.

Nathan Carter
Ph. (718) 486-6804

02/18/09-Hiralkumar Patel. received fax from Carmine with letter from Century Utility Systems, Inc, who tested two 275 gal AST systems and found tanks tight. spoke with Carmine. he mentioned that he will keep sump in bedroom but will cover it and seal it from top. asked Carmine to seal sump property to avoid any odors inside building.

based on result of tank test and suspecting upgradient spill at abandoned gas station, case closed. refer to spill #: 9601530.

03/13/09-Hiralkumar Patel. spoke with Carmine. told him that groundwater under gas station is not flowing towards his property so whatever sheen was observed on water in sump, could be coming from somewhere else. he mentioned that no more sheen observed in sump. suggest him to close sump to prevent flooding in basement with contaminated water.

Map Identification Number 102 **STAR SOAP AND CANDLE CO.** **Spill Number: 0706592** **Close Date: 09/13/2007**
 304 NORTH 7TH STREET BROOKLYN, NY TT-Id: 520A-0037-679

MAP LOCATION INFORMATION
 Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 945 feet to the S

ADDRESS CHANGE INFORMATION
 Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING Spiller: WINSTON Spiller Phone: (516) 779-7922
 Notifier Type: Other Notifier Name: Notifier Phone:
 Caller Name: Caller Agency: Caller Phone:
 DEC Investigator: hrpatel Contact for more spill info: WINSTON Contact Person Phone: (516) 779-7922

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/13/2007		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

WHILE PUMPING OUT WATER FOUND OIL MIXED IN:

DEC Investigator Remarks:

09/13/07-Hiralkumar Patel. spoke with Joe. they were hired by Mr. Winston to pump out water from basement of commercial building. during pumping, they found about 10 gal of oil on top of water. as per Joe, it could be #2 oil but due to mix with debris, it look like #6 oil.

all cleaned up.

PBS #: 2-236594

Perry Finkelman ****property owner****
 American Development Corp.
 Ph. (718) 377-0106 (O)
 (516) 770-9004 (C)

Winston Wilson ****property manager****
 Ph. (516) 779-7922 (C)

found another spill cases reported for same site: 0706476 & 0706478.

refer to spill #: 0706476.

Map Identification Number 103  **STAR SOAP AND CANDLE CO.** **Spill Number: 0706478** **Close Date: 09/13/2007**
 304 NORTH 7TH ST BROOKLYN, NY TT-Id: 520A-0037-673

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 945 feet to the S

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL Spiller: STAR SOAP AND CANDLE CO. Spiller Phone: () -
 Notifier Type: Local Agency Notifier Name:
 Caller Name: Caller Agency: Caller Phone:
 DEC Investigator: rmpiper Contact for more spill info: JOHN WILSON Contact Person Phone: (718) 595-4784

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/10/2007		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	500.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

NEW OWNERS ARE THE AMERICAN DEVELOPEMENT GROUP LLC. #516-565-5600; UNSURE WHEN THE SPILL OCCURED BUT IT WAS NOTICED TODAY; NO CLEAN UP AT THIS TIME; ALSO SOME DRUMS FOUND ON PROPERTY;

DEC Investigator Remarks:

refer to spill #: 0706476.

Map Identification Number 104 **310 N 7TH ST**
 310 N 7TH ST

BROOKLYN, NY

Spill Number: 0510912

Close Date: 12/19/2005
 TT-Id: 520A-0046-202

MAP LOCATION INFORMATION
 Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 945 feet to the S

ADDRESS CHANGE INFORMATION
 Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
 Notifier Type: Fire Department
 Caller Name: BENETATOS, ANYTONIO
 DEC Investigator: JXZHAO

Spiller: STAN GUREWICH - GUREWICH, STAN
 Notifier Name: BENETATOS, ANYTONIO
 Caller Agency: FDNY
 Contact for more spill info: CAPT CORRADO

Spiller Phone: (212) 722-4583
 Notifier Phone: (718) 476-6288
 Caller Phone: (718) 476-6288
 Contact Person Phone: (718) 476-6288

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
12/17/2005		UNKNOWN	YES		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	50.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:
 spill in basement from oil tank .

DEC Investigator Remarks:
 Spill was contained - Zhao said case closed

Map Identification Number 105 **704 LORIMER ST**
 704 LORIMER ST

BROOKLYN, NY

Spill Number: 0106834

Close Date: 09/25/2003
 TT-Id: 520A-0047-905

MAP LOCATION INFORMATION
 Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 948 feet to the ENE

ADDRESS CHANGE INFORMATION
 Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: UNKNOWN	Spiller: UNK	Spiller Phone:
Notifier Type: Federal Government	Notifier Name: ELIZABETH CARRANO	Notifier Phone: (718) 388-9680
Caller Name: JOHN WITKOWSKI	Caller Agency: US EPA	Caller Phone: (732) 548-8730
DEC Investigator: MXTIPPLE	Contact for more spill info: MRS CARRANO	Contact Person Phone: (718) 388-9680

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
10/01/2001		UNKNOWN	NO		NO	

Material Spilled	Material Class	Quantity Spilled		Quantity Recovered		Resource(s) Affected
		Units		Units		
UNKNOWN MATERIAL	OTHER	0	GALLONS	0	GALLONS	AIR

Caller Remarks:

Caller states air around her home smells like teargas. She has had exposure to this and recognized the odor

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIPPLE"
 10/02 REFERRED TO THE AIR UNIT

Map Identification Number 106	VACANT LOT	Spill Number: 0601688	Close Date: 03/28/2008
	165 NORTH 10TH ST	BROOKLYN, NY	TT-Id: 520A-0048-058

MAP LOCATION INFORMATION
 Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 963 feet to the NW

ADDRESS CHANGE INFORMATION
 Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: UNKNOWN	Spiller: SELIN AKYUZ - KISKA CONSTRUCTION	Spiller Phone:
Notifier Type: Local Agency	Notifier Name:	Notifier Phone:
Caller Name:	Caller Agency:	Caller Phone:
DEC Investigator: VXBREVDO	Contact for more spill info: RACHEAL ATAMAN	Contact Person Phone: (631) 462-5866

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
05/15/2006		UNKNOWN	NO		NO		
Material Spilled		Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE		PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

SOIL SAMPLE FAILURE. CLEAN UP IS NOT IN PROCESS.

DEC Investigator Remarks:

Contaminated Soil Letter sent to:

Kiska Group
Mr. Selin Zkyuz
170 North 11th St
Brooklyn, NY 112

05/24/06 Sharif Rahman- Rec'd Phase II report prepared by Hydro Tech Environmental, Corp. The site is a NYCDEP 'E' designated site. Borings were installed to investigate the subsurface soil and ground water quality. High concentration of VOC's (SP: Benzene-84,200 ug/kg, Toluene-79,900 ug/kg, Ethylbenzene-51,700 ug/kg, Xylene, Naphthalene-5,180,000 ug/kg) and SVOC's are present in soil and ground water (Benzene- 402ug/L, Toluene- 112 ug/L, Ethylbenze- 26.6 ug/L, Naphthalene-727 ug/L). Visual and olfactory evidence of petroleum was also identified in soil probes. Presence of significant level voc's/svoc's warrants long term soil and ground water remediation. Consultant recommended for excavation of the contaminated soil and injection of ORC to treat impacted ground water.

Case has been transferred to Remediation Section B.

6/21/06 - Tang, reviewed site assessment report dated 5/3/06 by HydroTech. GW impact is minimal. Bulk of the contamination is in soil. Since this is an "E" designated site by NYCDEP and DEP has already approved a work plan to excavate the contaminated soil, DEC will not require GW remedy. Spoke to Kathy DeVoe of HydroTech, informed her to submit the end point sampling results after all the contaminated soil are excavated. Will track this as a P3 site. - KST

9/11/06 - HydroTech, Kathy DeVoe wrote: "We will be starting the field work at the above referenced Site on Monday, September 18, 2006. We are expecting the field work to last approximately 3 days. If there is any change in the scheduling I will let you know." - KST

Map Identification Number 107 **MANHOLE #616218**
 6TH ST & ROEELING ST

Spill Number: 9913229 **Close Date: 02/28/2002**
 BROOKLYN, NY TT-Id: 520A-0043-224

MAP LOCATION INFORMATION
 Site location mapped by: ADDRESS MATCHING
 Approximate distance from property: 966 feet to the SW

ADDRESS CHANGE INFORMATION
 Revised street: N 6TH ST / ROEBLING ST
 Revised zip code: 11211

Source of Spill: UNKNOWN	Spiller: UNKNOWN	Spiller Phone:
Notifier Type: Affected Persons	Notifier Name: JOE POVERELLE	Notifier Phone:
Caller Name: RICHARD ROACH	Caller Agency: CON EDISON	Caller Phone: (212) 580-6763
DEC Investigator: JHOCONNE	Contact for more spill info: RICHARD ROACH	Contact Person Phone: (212) 580-6763

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/22/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:
 cleanup pending test results - sheen on water in manhole ref #130066

DEC Investigator Remarks:
 Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"

Map Identification Number 108 **HYDRO TECH**
 170 NORTH 11TH STREET

Spill Number: 0508858 **Close Date: 01/25/2007**
 BROOKLYN, NY TT-Id: 520A-0040-743

MAP LOCATION INFORMATION
 Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 972 feet to the NW

ADDRESS CHANGE INFORMATION
 Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER	Spiller: MARK ROBBINS - HYDRO TECH	Spiller Phone: (631) 462-5866
Notifier Type: Responsible Party	Notifier Name: MARK ROBINS	Notifier Phone: (631) 462-5866
Caller Name: MARK ROBINS	Caller Agency: HYDRO TECH	Caller Phone: (631) 462-5866
DEC Investigator: rmpiper	Contact for more spill info: MARK ROBBINS	Contact Person Phone: (631) 462-5866

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
10/25/2005		UNKNOWN	NO		NO	

Material Spilled	Material Class	Quantity Spilled		Quantity Recovered		Resource(s) Affected
		Units		Units		
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

SOIL SAMPLES CONTAINED PAH

DEC Investigator Remarks:

Nov 7, 2005
A "Contaminated Soil Letter" was sent to:

Selim Akyuz P.E.
Kiska Construction Corp
181 North 11th- St, Suite 302
Brooklyn, NY 11211

12/12/05-Vought-Reviewed Remedial Action Plan (HydroTech 631-462-5866) dated 11/8/05 and received on 11/18/05. Site labelled by DEP as E designated site (#05DEPTECH063K). "The RAP documents the proposed screening segregation and disposal of contaminated soil from the site during to future site development. NO VOCs on site and SVOCs "appear related to urban fill material". Soil will be segregated on PID basis. Endpoint samples will be collected, "as per DER-10 samples will be obtained for every 30 linear feet of sidewall and every 950 square feet of bottom". DEC requires: 1)submission of detailed soil description of endpoint samples 2)submission of endpoint analyticals to the Department 3)installation of vapor barrier. Vought sent letter approving of RAP pending inclusion of above requirements.

3/15/06-Vought-Spoke with Rachel (Hydrotech) and excavation was performed and elevated levels PAH's. Report will be submitted to DEC.

05/17/06-Vought-Spill transferred from DEC Vought to DEC Piper as per DEC Austin.

5/19/06- DEC Piper reviewed vapro barrier specification and they are acceptable providing they follow the manufacturers specs.

DEC Piper reviewed report. As per report, approx 43 tons of soil were removed,. Enpoints revealed no VOC's above RSCO's and low levels of SVOC related to urban fill. A vapor barrier was placed and the area was backfilled. Piper looked at historical sanborns, as per maps , there were AST in vicinity of property though no UST and underground piping. This area has isolated xontamination through historic use. This spill is closed,.

Map Identification Number 109 **SB 16241** **Spill Number: 0005762** **Close Date: 02/13/2002**
 179 NORTH 7 ST BROOKLYN, NY TT-Id: 520A-0049-812

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 1022 feet to the W

ADDRESS CHANGE INFORMATION

Revised street: 179 NORTH 7TH ST
 Revised zip code: NO CHANGE

Source of Spill: UNKNOWN	Spiller: UNKNOWN	Spiller Phone:
Notifier Type: Affected Persons	Notifier Name: MS NEVILLE	Notifier Phone:
Caller Name: BILL MURPHY	Caller Agency: CON EDISON	Caller Phone: (212) 580-6763
DEC Investigator: JHOCONNE	Contact for more spill info: CALLER	Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
08/14/2000		UNKNOWN	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:
 con ed 132863 sample take clean up pending

DEC Investigator Remarks:
 Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"

Map Identification Number 110 **ON BENCH WALL AND CAT WAL -NYCT**
 K 177 NO 7TH ST

BROOKLYN, NY

Spill Number: 9800014

Close Date: 02/15/2008
 TT-Id: 520A-0049-811

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 1055 feet to the W

ADDRESS CHANGE INFORMATION

Revised street: 177 N 7TH ST
 Revised zip code: 11211

Source of Spill: COMMERCIAL/INDUSTRIAL
 Notifier Type: Local Agency
 Caller Name: LOUIS GRAJALES
 DEC Investigator: MCTIBBE

Spiller: UNKNOWN - HARRY VANDERDALE SCHOOL
 Notifier Name: EMPLOYEE
 Caller Agency: NYC TRANSIT AUTHORITY
 Contact for more spill info: LOUIS GRAJALES

Spiller Phone:
 Notifier Phone:
 Caller Phone: (718) 927-7373
 Contact Person Phone: (718) 927-7373

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
04/01/1998		UNKNOWN	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	4.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

CALLER STATES THAT PRODUCT IS ON TRACKS AND HE REQ A CALL BACK

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
 04/01/04 transfered from Hale To Tibbe.

02-15-08: According to an e-mail from NYCT Liz Deluca, the area of the spill was inspected and no product was found.

Map Identification Number 111 **105 BEDFORD AV**
 105 BEDFORD AVENUE

BROOKLYN, NY

Spill Number: 9711671

Close Date: 05/01/1998
 TT-Id: 520A-0048-951

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 1071 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: 105 BEDFORD AV
 Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
 Notifier Type: Affected Persons
 Caller Name: STEVE ADAMS
 DEC Investigator: MCTIBBE

Spiller: UNK
 Notifier Name: STEVE ADAMS
 Caller Agency:
 Contact for more spill info: STEVE ADAMS

Spiller Phone:
 Notifier Phone: (718) 349-8253
 Caller Phone: (718) 349-8253
 Contact Person Phone: (718) 349-8253

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors),
 contamination of drinking water supplies, or significant release to surface waters.
 Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
11/25/1997		OTHER	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
PAINT	OTHER	0	GALLONS	0	GALLONS	SEWER

Caller Remarks:

OLD PAINT FACTORY AT LOCATION IS BEING DEMOLISHED. SOIL SAMPLES WERE TAKEN IN NOVEMBER THAT SHOW CONTAMINATION FROM THE PAINT INGREDIENTS. DEMOLITION COMPANY IS WASHING DOWN THE SIDEWALKS AND SPREADING THE CONTAMINATION INTO THE SEWER SYSTEM

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE" REFERED TOM HAZ WASTE REMEDIATION.

Map Identification Number 112 **NEW APT BLDG/FORMER PAINT FACTORY**
 95 BEDFORD AVENUE
 BEDFORD AND NORTH 12TH STREET

, NY

Spill Number: 1001766

Close Date: 05/17/2010
 TT-Id: 520A-0252-629

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 1071 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL	Spiller: UNKNOWN	Spiller Phone:
Notifier Type: Other	Notifier Name:	Notifier Phone:
Caller Name:	Caller Agency:	Caller Phone:
DEC Investigator: jbvought	Contact for more spill info: CELEST OKALI	Contact Person Phone: (347) 672-6059

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
05/14/2010		UNKNOWN	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
METALS	OTHER	0	UNKNOWN	0	UNKNOWN	SOIL, SEWER

Caller Remarks:

UNKNOWN CHEMICAL LIQUID LEAKING FROM TWO RED TANKS ON A CONSTRUCTION SITE, POSSIBLY FLOWING INTO STORM DRAINS.

DEC Investigator Remarks:

5/14/10-Vought-Secondary off hours responder and received initial call from hotline as DEC Zhune not available. Vought called and spoke to NYCDEP Celeste Oloke (Cell:347-672-6059) and spill coming from leaking dewatering system that is used to dewater a site where an apartment building is being constructed at the location of a former paint factory. Celeste indicated he received calls from concerned neighbors who knew the industrial nature of the site and were concerned about the discharge effluent impacting the sewer system. Oloke noted that no sheen or petroleum odors were associated with the leaking effluent and that DEP Hazmat was formerly onsite. Oloke also indicated that site did have a NYCDEP discharge permit. Oloke indicated that site owner was listed at 95 Bedford LLC. Contact information on site fence is:

NGI Construction
718-782-4624

Vought googled site address and noted "blogs" of concerned neighbors regarding possible contamination issues at the site and also noted that the Site is a listed EPA RCRA Site. Contact as per EPA database is Sheya Ruttner (Ph:718-782-4624).

5/17/10-Vought-As per DEC Zhune, she spoke with NYCDEP Oloke who returned to site on night of 5/14 and discharge pipe was repaired. Spill closed by Vought as non-petroleum spill and repair of leaking dewatering discharge line. Vought noted that site was E designated and called NYCDEP Dan Cole (Ph:212-341-0964) who noted that he was case manager on site and that site was heavily contaminated with metals and SVOCs. Cole noted that majority of contaminated soil removed from site and that letter was sent to NYCDEP Nagi dated 4/8/08 notifying him of excessive metal concentrations and requiring further guidance. As per Cole he received call from former DEC Chawla noting that if Cole wished to list site as Hazardous Waste site then he should do so. Cole noted that prior soil concentrations of metals onsite were up to 5400ppm arsenic and very high lead levels. Cole also noted that case was being managed by Environmental Business Consultants (Charlie Sosik 631-504-6000). DEC Austin called and left message for DEC BSHM Paul John to return call.

DEC possibly requires:

- 1)referral to DEC Remediation or RCRA Unit
- 2)followup and possible closure of spill 0808463
- 3)possible report submission by EBC Sosik
- 4)Discussion with DEC nagi.

Map Identification Number 113 **EIGHT GAL XFMR LEAK IN MANHOLE #1706** **Spill Number: 0707397** **Close Date: 12/28/2007**
 155 NORTH 11 ST (AT BEDFORD AVE). BROOKLYN, NY TT-Id: 520A-0210-594

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 1071 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: 155 N 11TH ST
 Revised zip code: NO CHANGE

Source of Spill: UNKNOWN Spiller: UNKNOWN NAME - CON EDISON Spiller Phone:
 Notifier Type: Other Notifier Name: Notifier Phone:
 Caller Name: Caller Agency: Caller Phone:
 DEC Investigator: gdbreen Contact for more spill info: ERT DESK' MIKE DAUGHTERY Contact Person Phone: (212) 580-8383

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
10/04/2007		UNKNOWN	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	8.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

8 gal. of unknown oil found in a transformer manhole. Clean up is pending test results. No to the five questions. ConEd#208389

DEC Investigator Remarks:

12/28/07 - See eDocs for Con Ed report detailing cleanup and closure.

208389. see eDocs

Map Identification Number 114 **59-65 FROST STREET**
 59-65 FROST STREET

BROOKLYN, NY

Spill Number: 0212488

Close Date: 02/14/2007
 TT-Id: 520A-0044-679

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 1074 feet to the E

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
 Notifier Type: Responsible Party
 Caller Name: JOHN SCHRETMAYER
 DEC Investigator: WXSUN

Spiller: SAME - SAME
 Notifier Name: SAME
 Caller Agency: ASSOCIATED ENVIROMENTAL
 Contact for more spill info: JOHN SCHRETMAYER

Spiller Phone:
 Notifier Phone:
 Caller Phone: (631) 744-8900
 Contact Person Phone: (631) 744-8900

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors),
 contamination of drinking water supplies, or significant release to surface waters.
 Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
03/10/2003		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM BTEX	PETROLEUM OXYGENATES	0	GALLONS	0	GALLONS	SOIL
		0	UNKNOWN	0	UNKNOWN	

Caller Remarks: NO REMARKS GIVEN FOR THIS SPILL

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SANGESLAND"
 3/19/2003 - JZ/DO: The caller was hired for a site subsurface investigation for property re-finance. Soil and GW samples was analyzed with EPA method 8260 and found contaminations. This site is currently a warehouse. There is no tank evidence. It was a dry cleaner at this location in history. There is no dry cleaner solvents found during the site assessment. Next property is a DEP's repair shop. DO has requested site assessment report snet to Sangesland.

The current owner info: Fratelli Ricatto Developement, 391 Leonard Street, Brooklyn, NY 11211-1301.

11/15/05 called John Schretzmayer and left message to call me. J Lister

11/17/05 spoke with John Schretzmayer (516-658-5304) and he will send work plan. J Lister

10/30/06 Reassigned from Lister to Sun. (MS)

11/27/06 Reviewed Groundwater Monitoring and Sampling Plan dated 10/11/06 and submitted by Hydro Tech Environmental (contact: Mark E. Robbins phone: 631-462-5866). Faxed letter report on 11/27/06 requiring the following: "It must be demonstrated that groundwater contaminant concentrations are decreasing to Groundwater Quality Standards in a reasonable time frame. Therefore, the Department requires that one (1) more round of groundwater monitoring and sampling be performed as well as an Exposure Assessment/Sensitive Receptor Survey, before the above referenced spill can be considered for closure."

VOC contamination is only observed in 2 of the 5 wells onsite and are obviously decreasing over time, however one more sampling event will confirm natural attenuation.(JS/MS)

2/12/07: NYSDEC received Exposure Assessment Report and latest groundwater analytical results on 2/9/07 and is reviewing. (JS/MS)

2/14/2007: Upon receipt and review of the Exposure Assessment Report as well as the results of the latest groundwater sampling event for this site, submitted by Hydro Tech, this spill site has been closed and a No Further Action letter has been sent to the property owner and consultant. The following is a brief summary of factors supporting this action. As stated in the Report; the source of contamination has been removed, no significant receptors or exposure pathways are present at the site, and a 90% decrease in overall VOC concentration has been observed over time. Only limited VOC contamination remains (1,3,5 and 1,2,4 Trimethylbenzene= 8.57 and 6.7 ug/L, respectively) in one monitoring well. No further action is needed, spill case is closed. (JS/MS)

Map Identification Number 115

30 SKILLMAN AVE
30 SKILLMAN AVE

BROOKLYN, NY

Spill Number: 9200714

Close Date: 04/21/1992
TT-Id: 520A-0049-162

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1080 feet to the SE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: Citizen
Caller Name: AL TUDESCO
DEC Investigator: TOMASELLO

Spiller:
Notifier Name:
Caller Agency:
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone: (718) 389-7968
Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
04/18/1992	04/21/1992	UNKNOWN	UNKNOWN		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	-1.00	UNKNOWN	0.00	UNKNOWN	AIR

Caller Remarks:

FUMES/ODOR

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 116



BEDFORD AVE/N 9TH ST

BROOKLYN, NY

Spill Number: 0303594

Close Date: 07/07/2003

TT-Id: 520A-0037-349

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING
 Approximate distance from property: 1112 feet to the WNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: UNKNOWN	Spiller: UNKNOWN	Spiller Phone:
Notifier Type: Citizen	Notifier Name:	Notifier Phone:
Caller Name: CHRIS KUREK	Caller Agency:	Caller Phone: (718) 388-9647
DEC Investigator: JXZHAO	Contact for more spill info: CHRIS KUREK	Contact Person Phone: (718) 388-9647

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
07/07/2003		UNKNOWN	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
MOTOR OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

spill of product on roadway - unk source or cause - no clean up

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ZHAO"
 7/7/2003 1:50AM: Since NYC Sanitation Hotline dose not response at midnight, Zhao contact local Fire Department for assistant. FD responded.

Map Identification Number 117 **GAS STATION**
 445 METROPOLITAN AVE

BROOKLYN, NY

Spill Number: 9909344

Close Date: 11/02/1999
 TT-Id: 520A-0051-716

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 1157 feet to the S

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION
 Notifier Type: Citizen
 Caller Name: FRANK CRAWFORD
 DEC Investigator: JMROMMEL

Spiller: GAS STATION
 Notifier Name: FRANK CRAWFORD
 Caller Agency: CITIZEN
 Contact for more spill info: UNK

Spiller Phone:
 Notifier Phone: (718) 966-6109
 Caller Phone: (718) 966-6109
 Contact Person Phone: (000) 000-0000

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors),
 contamination of drinking water supplies, or significant release to surface waters.
 Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
11/01/1999		UNKNOWN	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

CALLER STATES TANKS ARE BEING PULLED AND STRONG ODOR OF GASOLINE IS
 COMING FROM THAT AREA-MATERIAL IS BEING SPILLED FROM TANK REMOVAL ALSO.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ROMMEL"
 11/2/99

Closed and cross-referenced to spill #9909193.

Citizen's number is incorrect.

Map Identification Number 118 **BROTHERS CLEANERS**
 122 ROEBLING ROAD

BROOKLYN, NY

Spill Number: 0410954

Close Date: 07/27/2005
 TT-Id: 520A-0045-714

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
 Approximate distance from property: 1164 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: 122 ROEBLING ST
 Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
 Notifier Type: Affected Persons
 Caller Name: RAY KAHN
 DEC Investigator: JMKRIMGO

Spiller: TONY BLAKE - BROTHERS CLEANERS
 Notifier Name: RAY KAHN
 Caller Agency: ESPL
 Contact for more spill info: RAY KAHN

Spiller Phone:
 Notifier Phone: (212) 330-7501
 Caller Phone: (212) 330-7501
 Contact Person Phone: (212) 330-7501

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
01/07/2005		OTHER	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

svoc was found in the soil after a phase II assesment test. Unsure as to where the material came from. This is being investigated.

DEC Investigator Remarks:

2/8/05. CSL was sent to:
 Tony Blake
 Brothers Cleaners
 122 Roebbling Street
 Brooklyn, NY 11211 YK

4/7/2005 Sangesland spoke to "Sherri" who says she's the owner and wanted to know what work was needed to prove that the SVOC levels are from old fill. SS

4/28/05. J.Krimgold talked to Sherri Leone - new owner. Her phone 718-388-2473 and address
 89 Ainslie Street
 Brooklyn, NY 11211

6/1/05. J.Krimgold reviewed and approved a scope of work for additional soil investigation.

7/27/05. J.Krimgold reviewed the results of additional soil sampling. Composition of contaminants and their concentrations found in soil suggest a background fill contamination which is not effecting groundwater and not associated with previous releases at this site. NFA letter.

8/9/05. NFA letter was returned back undeliverable. YK.

Map Identification Number 119 **CAMPBELL RESIDENCE**
 120 BEDFORD AVE

BROOKLYN, NY

Spill Number: 9702730

Close Date: 08/15/2005
 TT-Id: 520A-0045-068

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
 Approximate distance from property: 1191 feet to the NW

ADDRESS CHANGE INFORMATION

Revised street: 120 BEDFORD AV
 Revised zip code: NO CHANGE

Source of Spill: UNKNOWN	Spiller: UNKNOWN	Spiller Phone:
Notifier Type: Affected Persons	Notifier Name: KEITH CAMPBELL	Notifier Phone: (718) 486-8446
Caller Name: KEITH CAMPBELL	Caller Agency: RESIDENT	Caller Phone: (718) 486-8446
DEC Investigator: JLDYBER	Contact for more spill info: KEITH CAMPBELL	Contact Person Phone: (718) 486-8446

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/03/1997		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled		Quantity Recovered		Resource(s) Affected
		Units		Units		
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

CALLER CAN SMELL AND NOTICED THAT THE SOIL ON HIS PROPERTY IS A VERY DARK COLOR - CALLER DOES LIVE NEXT TO AN INDUSTRIAL COMPLEX

DEC Investigator Remarks:

8/15/05, Dyber: No call back from Keith Campbell. Administrative closure.

8/1/05, Dyber, Left another message for Keith Campbell.

7/18/05, Dyber: Left message for Keith Campbell to see if complaint was taken care of.

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "M TIBBE"
F&N Mechanical, 139 North 10th Street.

Frank Dross, manager 718-384-5751. New Owner Sanjar Raz. Mr. Poliacoff former owner.

Map Identification Number 120	TRAFFIC ACCIDENT		Spill Number: 0702380	Close Date: 05/29/2007
	MEEKER AVE/METROPOLITAN A	BROOKLYN, NY		TT-Id: 520A-0050-811
MAP LOCATION INFORMATION		ADDRESS CHANGE INFORMATION		
Site location mapped by: MANUAL MAPPING (4)		Revised street: MEEKER AVE / METROPOLITAN AVE		
Approximate distance from property: 1200 feet to the S		Revised zip code: 11211		
Source of Spill: PASSENGER VEHICLE		Spiller: BRIAN SCOTT - BRIAN SCOTT	Spiller Phone: (917) 880-7354	
Notifier Type: Fire Department		Notifier Name:	Notifier Phone:	
Caller Name:		Caller Agency:	Caller Phone:	
DEC Investigator: jbvought		Contact for more spill info: FF SANACORE	Contact Person Phone: (347) 203-6886	

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
05/28/2007		OTHER	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	10.00	GALLONS	0.00	GALLONS	SEWER

Caller Remarks:

CALLER REPORTS SPILL DUE TO VEH RUNNING OVER OBJECT ON THE BROOKLYN QUEENS EXPRESSWAY PUNCTURING THE GAS TANK. SPILL HAS BEEN CONTAINED AND IN THE PROCESS OF BEING CLEANED UP. SPILL DID INFILTRATE THE STORM SEWER SYSTEM.

DEC Investigator Remarks:

05/29/07-Vought-Spill cleaned by FDNY Hazmat using absorbent material and tank was also pumped by Hazmat and gasoline was disposed of by tow truck company. DEP notified with respect to impact to sewer. Spill closed by Vought due to no impact to soil and/or groundwater.

Map Identification Number 121 **ASCENTION CHURCH/BKLYN**
 N 5TH ST / METRO. AVE

NEW YORK CITY, NY

Spill Number: 8900756

Close Date: 07/01/1989
 TT-Id: 520A-0042-770

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING
 Approximate distance from property: 1282 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: N 5TH ST/METROPOLITAN AVE
 Revised zip code: 11211

Source of Spill: UNKNOWN
 Notifier Type: Other
 Caller Name:
 DEC Investigator: TOMASELLO

Spiller:
 Notifier Name:
 Caller Agency:
 Contact for more spill info:

Spiller Phone:
 Notifier Phone:
 Caller Phone:
 Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Unknown RP - DEC Field Response - DEC Corrective Action Required

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/24/1989		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled		Quantity Recovered		Resource(s) Affected
		Units		Units		
GASOLINE	PETROLEUM	-1.00	POUNDS	0.00	POUNDS	AIR

Caller Remarks: NO REMARKS GIVEN FOR THIS SPILL

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 122 **COMMERCIAL LOT**
 407 LEONARD STREET/BAYARD

BROOKLYN, NY

Spill Number: 0409303

Close Date: 11/19/2004
 TT-Id: 520A-0044-683

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 1307 feet to the ENE

ADDRESS CHANGE INFORMATION

Revised street: 407 LEONARD ST
 Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
 Notifier Type: Citizen
 Caller Name: ANNYOMOUS
 DEC Investigator: JMKRIMGO

Spiller: ANNY - COMMERCIAL LOT
 Notifier Name: ANNYOMOUS
 Caller Agency:
 Contact for more spill info: ANNY

Spiller Phone:
 Notifier Phone: () -
 Caller Phone: () -
 Contact Person Phone:

Category: Investigation indicates there was no spill.
 Class: Any Type of RP Including No RP - No DEC Field Response - Corrective Action by Spill Response Not Required

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/19/2004		OTHER	NO	NO

NO MATERIAL INFORMATION GIVEN FOR THIS SPILL

Caller Remarks:

CALLER STATES THAT EXCAVATION IS GOING ON AT THIS SITE AND THE ODORS ARE HORRIBLE, WOULD LIKE SOMEONE TO CHECK OUT: TRACKING DOWN THE ROAD ALSO;

DEC Investigator Remarks:

11/19/2004. Same site as in spill # 0130048.

Map Identification Number 123

COMMERCIAL LOT
 407 LEONARD ST

BROOKLYN, NY

Spill Number: 0130048

Close Date: 02/18/2005
 TT-Id: 520A-0051-743

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 1307 feet to the ENE

ADDRESS CHANGE INFORMATION

Revised street: 407 LEONARD ST.
 Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL	Spiller: PATRICK FITZGERALD	Spiller Phone: (815) 338-0110
Notifier Type: DEC	Notifier Name:	Notifier Phone:
Caller Name: JACOB KRIMGOLD	Caller Agency: NYS DEC	Caller Phone: (718) 482-6389
DEC Investigator: JMKRIMGO	Contact for more spill info:	Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Unable or Unwilling RP - DEC Field Response - DEC Corrective Action Required

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/15/2001		OTHER	YES	NO

Material Spilled	Material Class	Quantity Spilled		Quantity Recovered		Resource(s) Affected
		Units		Units		
DIESEL	PETROLEUM	0	GALLONS	0	GALLONS	GROUNDWATER

KEROSENE	PETROLEUM	0	GALLONS	0	GALLONS	GROUNDWATER
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Caller Remarks:

NYSDEC has performed a subsurface investigation on adjacent property Spill # 9703488 @ 75 Richardson Ave. and determined that the motor fuel storage systems located on this property might have been a source of contamination.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "KRIMGOLD"
See file Eng. CO. 229 @ 75 Richardson Ave.

09/10/03. J.Krimgold spoke over the phone with Iradg Youssefinia from NY Petroleum, Inc. @ 251 Post Ave., Westbury, NY 11590 (516) 338-0626. He is a consultant/contractor preparing proposal to investigate this site for Mr. Morris Borenbaum (new owner?). He will submit an investigation plan for the Departmental review.

6/16/2004 Attorney for new owner called to ask what needed to be done to close out the case. Sangesland told him to ask Krimgold. Attorney said he has a report from Dr. Yousefinia showing clean water and soil samples. Sangesland told him to mail in a copy of the report to Krimgold for review.

8/2/04. J.Krimgold has reviewed the Phase II report submitted by NY Petroleum and Driling Co. and dated 06/10/04. The report was not approved and a letter requesting to make corrections ans resubmit the report has been sent to Mr. Borenbaum and Mr. I Youssefnia.

11/01/04. J.Krimgold has reviewed a corrected report dated 09/16/04. The report still cannot be approved due to the lack of information (Phase I is missing). J.Krimgold requested an on-site meeting with a consultant.

12/03/04. J.Krimgold met with Mr. I. Youssefnia at the site and maped locations of additional soil borings.

See also 0409303. Rommel

2/18/05. J.Krimgold reviewed the Ground Water Investigation report submitted on January 13, 2005 by NY Petroleum and Drilling Corp. Based on the findings of this and previouis reports no contamination was found at this property. NFA letter.

Map Identification Number 124



MANHOLE 64805

MEECKER AVE A DN FROST ST

BROOKLYN, NY

Spill Number: 0904192

Close Date: 08/18/2009

TT-Id: 520A-0230-843

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (4)

Approximate distance from property: 1332 feet to the E

ADDRESS CHANGE INFORMATION

Revised street: MEEKER AVE / FROST ST

Revised zip code: 11211

Source of Spill: COMMERCIAL/INDUSTRIAL Spiller: UNK Spiller Phone:
 Notifier Type: Other Notifier Name: Notifier Phone:
 Caller Name: Caller Agency: Caller Phone:
 DEC Investigator: RWAUSTIN Contact for more spill info: ERT Contact Person Phone: (212) 580-8383

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
07/10/2009		UNKNOWN	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
OTHER	PETROLEUM	7.00	GALLONS	0.00	GALLONS	

Caller Remarks:

7 gallons of unk oil into manhole contained to the structure. Clean up pending sample results.

DEC Investigator Remarks:

8/18/09 - Austin - Spill of cable oil - Spill contained and cleaned up - see eDocs for details - spill closed - end

Map Identification Number 125 **MAN HOLE #4934** **Spill Number: 0004891** **Close Date: 10/23/2001**
 UNION AVE / KEAP ST BROOKLYN, NY TT-Id: 520A-0038-057

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING
 Approximate distance from property: 1370 feet to the SSE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL Spiller: UNKNOWN - UNKNOWN Spiller Phone:
 Notifier Type: Affected Persons Notifier Name: TONY LOPEZ Notifier Phone: (212) 580-6763
 Caller Name: TONY LOPEZ Caller Agency: CON EDISON Caller Phone: (212) 580-6764
 DEC Investigator: JHOCONNE Contact for more spill info: TONY LOPEZ Contact Person Phone: (212) 580-6764

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
07/24/2000		UNKNOWN	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

con ed # 132535 spill confined in man hole clean up pending lab results spill on surface of 60 gallons of water

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
 Con Ed e2mis Notes:

7/24/00 1/2pint unknown oil on 60gal water in manhole. One liquid sample taken. Cleanup treated as 50-499ppm. Sample returned <1ppm. Water was pumped into tanker. 1 barrel solid waste removed. Manhole double washed with slix. Wash water pumped into tanker. No earthen sump.

Map Identification Number 126 **125 NORTH 10TH ST**
 125 NORTH 10TH ST

BROOKLYN, NY

Spill Number: 9902614

Close Date: 10/18/2005
 TT-Id: 520A-0045-069

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 1395 feet to the NW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
 Notifier Type: Other
 Caller Name: PAT MCDERMOTT
 DEC Investigator: GWBURKE

Spiller: STEVE
 Notifier Name: PAT MCDERMOTT
 Caller Agency: GASOLINE INSTALLATIONS
 Contact for more spill info: STEVE

Spiller Phone: (917) 763-3043
 Notifier Phone: (516) 371-2743
 Caller Phone: (516) 371-2743
 Contact Person Phone: (917) 763-3043

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved		Meets Cleanup Standards		Penalty Recommended
06/07/1999		UNKNOWN	2-604226		NO		NO
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected	
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL	

Caller Remarks:

during a tank install an old tank was encounterd and there is a slight odor of fuel oil in soil

DEC Investigator Remarks:

10/18/05 - Close - 2004 PBS states tanks removed and closed. GB

Map Identification Number 127

MANHOLE 15285
METROPOLITAN AVE/HAVEMEYE

BROOKLYN, NY

Spill Number: 0002608

Close Date: 09/25/2001
TT-Id: 520A-0050-177

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1397 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: METROPOLITAN AVE / HAVEMEYER ST
Revised zip code: 11211

Source of Spill: UNKNOWN	Spiller: UNKNOWN	Spiller Phone:
Notifier Type: Other	Notifier Name: STEVE ROMERO	Notifier Phone: (212) 580-6763
Caller Name: STEVE ROMERO	Caller Agency: CON EDISON	Caller Phone: (212) 580-6763
DEC Investigator: JHOCONNIE	Contact for more spill info: CALLER	Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/01/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

unknown amount of unknown oil discovered on top of 1000 gallons of oil. con ed #131662 clean up pending test results

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
 Con Ed e2mis Notes:

6/1/00 Undiaperable sheen of unknown oil on 100gal water in manhole. Sample returned <1ppm PCB.

6/5/00 Cleanup completed by double washing with slix. Liquids removed by tanker, solids by vactor. No leaking equipment. No sump.

Map Identification Number 128



392 LEONARD STREET

BROOKLYN, NY

Spill Number: 9900802

Close Date: 08/10/1999
 TT-Id: 520A-0051-715

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 1400 feet to the ENE

ADDRESS CHANGE INFORMATION

Revised street: 392 LEONARD ST
 Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL	Spiller:	Spiller Phone:
Notifier Type: Other	Notifier Name:	Notifier Phone:
Caller Name: MR TUROFF	Caller Agency: TRINITY PETROLEUM	Caller Phone: (718) 257-8470
DEC Investigator: SMSANGES	Contact for more spill info: UNKNOWN	Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/21/1999		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
MOTOR OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:CALLER STATES THAT DURING REMOVAL OF 550 GAL TANKS CONTAMINATED SOIL WAS FOUND.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SANGESLAND"

5/19/99 SPOKE TO REED TUROFF (TRINITY CONSULTING - 718-257-8470) HE SAID THE OLD TANKS WERE PULLED IN APRIL. SINCE A PROBLEM WAS FOUND, NO NEW TANKS HAVE BEEN INSTALLED AND THE OWNER & OPERATOR ARE IN DISCUSSIONS AS TO WHO IS RESPONSIBLE AND WHAT WILL BE DONE. ACCORDING TO MR. TUROFF, THE OPERATORS ARE: KAY SINGH AND K. JANGI (718-388-3329). OWNERS ARE: DIMITRI (DAVID) SHTAIRMAN AND WALTER ROMANSKY (718-388-3464)

7/28/99 SPOKE WITH DIMITRI SHTAIRMAN - HE SAYS A NEW LEASE WAS SIGNED WITH KAY SINGH FOR THE STATION AND MR. SINGH AS OPERATOR IS RESPONSIBLE FOR ALL ENVIRONMENTAL WORK ON THE SITE.

DIMITRI SAYS THAT ALL CONTAMINATED SOIL HAS BEEN DUG OUT AND REMOVED. HE SAYS END POINT SAMPLES OF THE OPEN HOLE WERE TAKEN BY ASTEM LAB INC (DR. NORMAN MUNROE 718-459-3770). RIGHT NOW THE SITE HAS A LARGE OPEN HOLE AND THEY ARE NOW WAITING FOR THE CONTRACTOR TO INSTALL THE NEW TANK & SYSTEM, BACKFILL AND REPAVE THE SITE.

8/10/99 - ASTEM LABORATORIES, INC. SUBMITTED A REPORT SHOWING 6 END POINT SAMPLES (1 EACH SIDE, 2 BOTTOM) TAKEN FROM PIT WHERE 550 TANKS WERE. ALL SAMPLES WERE TESTED FOR 8021 + MTBE. ALL RESULTS INDICATE BTEX AND MTBE WERE <50 PPB.

CLOSE OUT (CPT SAYS OK)

Map Identification Number 129**CONSTRUCTION SITE**

392 LEONARD STREET

BROOKLYN, NY

Spill Number: 0610686**Close Date: 08/26/2010**

TT-Id: 520A-0051-713

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 1400 feet to the ENE

ADDRESS CHANGE INFORMATION

Revised street: 392 LEONARD ST

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Police Department

Caller Name:

DEC Investigator: RVKETANI

Spiller: GABRIEL KAPUR - CONSTRUCTION SITE

Notifier Name:

Caller Agency:

Contact for more spill info: GABRIEL KAPUR

Spiller Phone: (917) 682-3753 ext. C

Notifier Phone:

Caller Phone:

Contact Person Phone: (917) 682-3753 ext. C

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
12/20/2006		UNKNOWN	NO		NO		
Material Spilled		Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE		PETROLEUM	0	GALLONS	0	GALLONS	SOIL

 Caller Remarks:

CALLER REPORTS A CALL REGARDING LARGE PUDDLES OF GASOLINE AT THIS SITE: SERVICE NUMBER 1516668

 DEC Investigator Remarks:

Vought was on off hours

8/16/10 - Raphael Ketani. The spill was called in on 12/20/06 by the NYPD and Gabriel Kapur of the NYCDEP (917) 682-3753. The spill was large gas puddles on the surface of the site.

The site is block and lot 2733 and 7. It was sold on 7/28/87 by Lawrence Sievers of 5 Mt. Logan Court, Farmingville, NY to Walter Romansky and Dimitri Shtairman of 2421 East 74 Street, Brklyn, NY.

There are two PBS registrations. PBS #2-510793 is for the 278 Fuel Stop, Inc. It lists four 4,000 gal. USTs and one 550 UST as still active with gasoline and diesel. The 4,000 gal. tanks were installed in either 1972 or 1999. The 550 UST was installed in 1939. There were 4 USTs that were closed and removed in 1939. The owner of the site is 278 Fuel Stop, Inc. (718) 388-3329. The contact is Kuldeep S. Sakota (718) 388-3329/(201) 548-1658.

PBS #2-611136 is for A-1 Auto Repairs, Inc. It lists just a 275 gal. waste oil tank as being in service that was installed in 6/1/08. The owner of the site is Avtar Singh, 126 Berwood Drive, Linden, NJ 07036 (908) 486-0412. Mr. Singh is also at (718) 388-3464.

There is no paper file and there are no E-docs.

There are two other spill cases, both of which were closed by Steve Sangesland of Spills. They are #9900802 and #0310672. Case #9900802 was opened on 4/21/99 and closed on 8/10/99. It was based upon the discovery of oil contaminated soil when they pulled the 550 gal. UST. The soil was dug out and the end point samples were below 50 ppb.

Case #0310672 was opened on 12/16/03 and closed on 12/16/03. There was an anonymous call regarding someone sweeping gas into the sewers.

8/25/10 - Raphael Ketani. I made an unannounced site visit today. It was raining moderately, but I felt that it would still be possible to determine the site conditions. The site fronts on Leonard Street and on Meeker Avenue, where it parallels the

Brooklyn Queens Expressway. There wasn't much to see from the Leonard Street side. There is a corrugated still building that opens onto Leonard Street. It has a sloping roof (see E-docs). The building was being used as a metal fabrication shop. The floor was clean. Next, I went to the Meeker Avenue side of "278 Fuel Stop." Even though it was raining, I didn't see any sheen on the pavement in the fueling area (see E-docs). There appeared to be some small (about 6" diameter) stains on the, but nothing else. Next, the gas station manager showed me the repair area. The area was largely dry as it was mostly covered by a roof. There were several trucks in and next to the garage. I didn't see any free product on the pavement, but there were some old stains. I told the station manager to make sure that any spills that occur are cleaned up quickly. After this, I left the site.

As the spills mentioned in the original spill report are no longer present, and as there appeared to be no new spills, I have determined that there is no threat to the environment or the public. Therefore, I am closing the spill case.

Map Identification Number 130 **VS 3971** **Spill Number: 9900576** **Close Date: 04/26/1999**
 BAYARD ST/LENARD ST BROOKLYN, NY TT-Id: 520A-0043-029

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING
 Approximate distance from property: 1419 feet to the ENE

ADDRESS CHANGE INFORMATION

Revised street: BAYARD ST / LEONARD ST
 Revised zip code: 11222

Source of Spill: COMMERCIAL/INDUSTRIAL	Spiller: UNKNOWN	Spiller Phone:
Notifier Type: Responsible Party	Notifier Name: PACE	Notifier Phone: (212) 580-6763
Caller Name: MIKE CESARE	Caller Agency: CON EDISON	Caller Phone: (212) 580-6763
DEC Investigator: JHOCONNE	Contact for more spill info: MIKE CESARE	Contact Person Phone: (212) 580-6763

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
04/15/1999		UNKNOWN	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:
 APPROX 1 ONCE OF ABOVE MATERIAL DISCOVERED AT ABOVE LOCATION.
 CLEAN UP PENDING TEST RESULTS. CON ED #124261. NO CALL BACK

REQUESTED.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
 Con ed e2mis notes:

Found unknown & undiaperable sheen in VS 3971 on 20 gallons of water. Spill is contained. Sump pit only in structure no sewer connection. Pressure tested VS o.k. records show V.S. to have 224 ppms (FDR 6B53)

<1.0 ppm, 4-16-99, 0400 hrs, K. Hufford flush reports in VS3971 cleanup completed.

Map Identification Number 131 **390 METROPOLITAN AV/BKLYN** **Spill Number: 8808650** **Close Date: 02/28/1989**
 390 METROPOLITAN AVENUE BROOKLYN, NY TT-Id: 520A-0045-082

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
 Approximate distance from property: 1431 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: UNKNOWN	Spiller: UNKNOWN	Spiller Phone:
Notifier Type: Fire Department	Notifier Name:	Notifier Phone:
Caller Name: HARRY OTT	Caller Agency: NYCFD	Caller Phone: (718) 403-1230
DEC Investigator: SULLIVAN	Contact for more spill info:	Contact Person Phone:

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/01/1989	02/28/1989	UNKNOWN	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	-1.00	POUNDS	0.00	POUNDS	AIR

Caller Remarks:

GAS STATION AT 402-18 METROPOLITAN AVE IS NEAR RESIDENTS, COULD BE OVERFILL OR DUMPING, SAME COMPLAINT CALLED IN A FEW MONTHS AGO, TANKS WERE TESTED & PASSED,NYCFD NOTIFIED DEC(SULLIVAN).

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 132 **VACANT BUILDING**
 142 NORTH 8TH ST

BROOKLYN, NY

Spill Number: 9813469

Close Date: 09/28/2001
 TT-Id: 520A-0045-073

MAP LOCATION INFORMATION
 Site location mapped by: PARCEL MAPPING (2)
 Approximate distance from property: 1435 feet to the WNW

ADDRESS CHANGE INFORMATION
 Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING
 Notifier Type: Affected Persons
 Caller Name: AVRASEM
 DEC Investigator: JMROMMEL

Spiller: ISAC YNAVER - VACANT BUILDING
 Notifier Name:
 Caller Agency: COSMOS ENVIORMENTAL
 Contact for more spill info: ISAC YNAUER

Spiller Phone:
 Notifier Phone:
 Caller Phone: (516) 374-7890
 Contact Person Phone: (973) 357-8100

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
02/03/1999		UNKNOWN	YES		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

CONTAMINATED SOIL DISCOVERED DURING PHASE 1 EXCAVATION

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ROMMEL"
 09/28/2001 - After reviewing the file and additional information provided by Cosmos Environmental Services this site meets TAGMs.
 A site diagram of the oil/water seperator was included in the additional information provided by Cosmos. wtc

Map Identification Number 133 **SERVICE BOX**
 87 RICHARDSON ST

BROOKLYN, NY

Spill Number: 0008222

Close Date: 03/27/2001
 TT-Id: 520A-0047-904

MAP LOCATION INFORMATION
 Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 1451 feet to the ENE

ADDRESS CHANGE INFORMATION
 Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: UNKNOWN	Spiller: UNKNOWN - UNKNOWN	Spiller Phone:
Notifier Type: Affected Persons	Notifier Name: MR DELLACROSE	Notifier Phone:
Caller Name: STEVE ROMARO	Caller Agency: CON ED	Caller Phone: (212) 580-6763
DEC Investigator: KMFOLEY	Contact for more spill info: CALLER	Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
10/13/2000		UNKNOWN	NO		NO	

Material Spilled	Material Class	Quantity Spilled		Quantity Recovered		Resource(s) Affected
		Units		Units		
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

CALLER REPORTING A SPILL OF MATERIAL FROM AN UNK SOURCE CONED#133919 SAMPLES TAKEN CLEAN UP PENDING LAB RESULTS NO CALLBACK NECESSARY

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "FOLEY"
 e2mis Notes:

1 pint unknown oil on 300 gallons water. Appears to be contained to structure. Oil ID not able to be run due to insufficient amount of material recovered. PCB sample <1ppm. Cleanup completed by double washing with slix. Liquids and solids removed by tanker and vactor. No leaking equipment. KMF 4/3/01.

Map Identification Number 134	MANHOLE (UNK #)	Spill Number: 0001500	Close Date: 09/21/2001
	87 RICHARDSON ST	BROOKLYN, NY	TT-Id: 520A-0047-903
MAP LOCATION INFORMATION		ADDRESS CHANGE INFORMATION	
Site location mapped by: MANUAL MAPPING (3)		Revised street: NO CHANGE	
Approximate distance from property: 1451 feet to the ENE		Revised zip code: NO CHANGE	

Source of Spill: UNKNOWN	Spiller: UNKNOWN	Spiller Phone:
Notifier Type: Affected Persons	Notifier Name: MR PACE	Notifier Phone:
Caller Name: BRIAN JOYCE	Caller Agency: CON EDISON	Caller Phone: (212) 580-6763
DEC Investigator: JHOCONNE	Contact for more spill info: BRIAN JOYCE	Contact Person Phone: (212) 580-6763

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
05/05/2000		UNKNOWN	NO		NO	

Material Spilled	Material Class	Quantity Spilled		Quantity Recovered		Resource(s) Affected
		Units		Units		
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

ABOVE MATERIAL DISCOVERED AT ABOVE LOCATION. AMOUNT REPORTED AS 3 OUNCES. MATERIAL ON TOP OF 3 GALLONS OF WATER. SAMPLE TAKEN AND CLEANUP IS PENDING RESULTS. CON ED # NOT AVAILABLE. NO CALL BACK REQUESTED.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL" Con Ed e2mis #131243 Notes:

5-5-00 1/2pt unknown oil on 3gal water. Liquid sample taken returned <1ppm PCB. Cleanup completed by double washing with slix. Liquids removed by tanker, solids by vactor. No leaking equipment.

Map Identification Number 135 **BEDFORD AVE&N 6TH ST/BKLY**
 BEDFORD AVE / N 6TH ST

NEW YORK CITY, NY

Spill Number: 8710843

Close Date: 02/10/2003
 TT-Id: 520A-0039-333

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING
 Approximate distance from property: 1451 feet to the W

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
 Notifier Type: Affected Persons
 Caller Name: CAPTAIN GORMAN
 DEC Investigator: SULLIVAN

Spiller: ELI WHITNEY HIGH SCHOOL
 Notifier Name:
 Caller Agency: NYCFD
 Contact for more spill info:

Spiller Phone: (718) 782-1397
 Notifier Phone:
 Caller Phone: (718) 403-1280
 Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
03/25/1988		UNKNOWN	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	20.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

SUSPECT OIL LEAK WHEN THEY RECEIVED OIL DELIVERY AT HIGH SCHOOL, NYCFDHAS ISSUED VIOLATIONS TO HAVE PRESSURE TEST OF FUEL STORAGE SYSTEM.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 136 **354 LEONARD ST**


BROOKLYN, NY

Spill Number: 9909588

Close Date: 03/15/2004
 TT-Id: 520A-0048-943

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 1451 feet to the E

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING	Spiller:	Spiller Phone:
Notifier Type: Affected Persons	Notifier Name: MARYANNE GRAPPONE	Notifier Phone: (718) 389-9187
Caller Name: MARYANNE GRAPPONE	Caller Agency: CITIZEN	Caller Phone: (718) 389-9187
DEC Investigator: RWAUSTIN	Contact for more spill info: MARYANN GRAPPONE	Contact Person Phone: (718) 389-9187

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.
 Class: Unable or Unwilling RP - DEC Field Response - DEC Corrective Action Required

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
11/07/1999		UNKNOWN	NO		NO	

Material Spilled	Material Class	Quantity Spilled		Quantity Recovered		Resource(s) Affected
		Units		Units		
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SEWER

Caller Remarks:

ON GOING COMPLAINT - MARK TIBBE IS AWARE OF THE PROBLEM - NEIGHBOR MUST HAVE GOTTEN A DELIVERY RECENTLY - SEVERE OIL ODOR IN THE HOUSE

REQ A CALL FROM DEC

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "AUSTIN"
 3/15/04 - AUSTIN - SEWER SPILL FROM OVER 4 YRS. AGO - CLOSED - ORIG. ASSIGNED TO COMENALE - END

Map Identification Number 137



354 LEONARD ST

BROOKLYN, NY

Spill Number: 9814583

Close Date: 02/19/2003

TT-Id: 520A-0048-942

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 1451 feet to the E

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING Spiller: 348 OR 350 LEONARD ST Spiller Phone:
 Notifier Type: Affected Persons Notifier Name: MARYANN GRAPPONE Notifier Phone: (718) 389-9187
 Caller Name: MARYANN GRAPPONE Caller Agency: HOMEOWNER Caller Phone: (718) 389-9187
 DEC Investigator: COMENALE Contact for more spill info: MARYANN GRAPPONE Contact Person Phone: (718) 389-9187

Category: Possible petroleum release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters, known releases with no potential for damage, or non-petroleum/non-hazardous spills.
 Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
03/07/1999		UNKNOWN	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

CALLER STATES THAT WHENEVER NEIGHBORS HAVE OIL DELIVERED -HER HOUSE BECOMES FILLED WITH OIL FUMES AND THEY IRRITATE HER THROAT

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 138

 ROEBLING ST & N 4TH ST

BROOKLYN, NY

Spill Number: 0003172

Close Date: 09/26/2001
TT-Id: 520A-0050-176

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 1489 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: ROEBLING ST / N 4TH ST
 Revised zip code: UNKNOWN

Source of Spill: COMMERCIAL/INDUSTRIAL Spiller: CON EDISON Spiller Phone: (212) 580-6763
 Notifier Type: Responsible Party Notifier Name: MR. ZAMBRIO Notifier Phone:
 Caller Name: MARK SCHLAGEL Caller Agency: CON EDISON Caller Phone: (212) 580-6763
 DEC Investigator: JHOCONNE Contact for more spill info: Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
06/14/2000		UNKNOWN	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	1.00	GALLONS	SOIL

Caller Remarks:

MANHOLE 4883. 1/2 PINT UNKNOWN OIL ON THREE GALLONS OF WATER. CONTAINED WITHIN MANHOLE. SAMPLES TAKEN. CLEAN UP PENDING TEST RESULTS. CON EDISON REFERENCE NUMBER 131841.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
Con Ed e2mis Notes:

6/14/00 1/2pint unknown oil on 3gal water. Liquid sample returned <1ppm PCB. Cleanup completed by double washing with slix. Liquids removed by tanker, solids by vactor. No leaking equipment. No sump.

Map Identification Number 139



MANHOLE 12074

115 BERRY ST

BROOKLYN, NY

Spill Number: 0502373

Close Date: 07/25/2005

TT-Id: 520A-0045-075

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 1492 feet to the WNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: Responsible Party
Caller Name: TOM MARCINEK
DEC Investigator: SKARAKHA

Spiller:
Notifier Name: WAINWRIGHT,MR
Caller Agency: CON ED
Contact for more spill info: ERT DESK

Spiller Phone:
Notifier Phone: (212) 580-6763
Caller Phone: (212) 580-6763
Contact Person Phone: (212) 580-8383

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
05/27/2005		UNKNOWN	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

2 QTS OIL ON 100 GALLONS OF WATER. COMING OFF 24-HR PROGRAM DUE TO CAR BEING ON MANHOLE (NO ACCESS). NO TO ALL 5 QUESTIONS. CON ED REF # 158811.

DEC Investigator Remarks:

e2mis no 158811

EVANGELIST FOUND APPROX 2-QUARTS OF UNKNOWN OIL ON 100 GALLONS OF WATER IN MH-12074.IT APPEARS TO BE CONTAINED AT THIS TIME NO SEWERS OR WATERWAYS AFFECTED. 1-SAMPLE TAKEN. CLEANUP PENDING TEST RESULT.

5/27/2005 19:29 HRS. -- RECEIVED PCB RESULTS < 1.0 PPM, LSN 05-05035-001.

UPDATE: 5/28/05 - 1100. T. SACCARA - ENV. OPS., RPEORTS CLEANUP COMPLETED BY DOUBLE WASHING STRUCTURE WITH BIO GEN 760. SUMP FOUND SEALED. TAG # 43978 REMOVED. TJ - 50495.

Closed. 7-25-05. George Breen

Map Identification Number 140



**METROPOLITAN AVE/BTWN
HAVEMEYER ST-ROEBLING**

BROOKLYN, NY

Spill Number: 9513631

Close Date: 01/27/1996

TT-Id: 520A-0050-175

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1530 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: METROPOLITAN AV / HAVEMEYER ST / ROEBLING ST
Revised zip code: 11211

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Local Agency
Caller Name: JANET MORALES
DEC Investigator: TOMASELLO

Spiller: UNK CONST CO AT LOCATION
Notifier Name: RUEDE DAGNELLO
Caller Agency: DEP
Contact for more spill info: RUEDE DAGNELLO

Spiller Phone:
Notifier Phone: (718) 387-3233
Caller Phone: (718) 595-6700
Contact Person Phone: (718) 387-3233

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.
 Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
01/27/1996		OTHER	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

CONSTRUCTION BEING DONE AT LOCATION WHICH IS KNOWN AS ASCENSI SQ
 FUEL IS LEAKING OUT OF SOME SORT OF MOTOR - NOTIFIER STATES
 THE CONSTRUCTION CO. KNOWS ITS LEAKING BUT REFUSES TO DO ANYTHING
 TO STOP IT

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 141	MANHOLE 4939		Spill Number: 9901889	Close Date: 10/18/1999
	564 METROPOLITAIN AVE	BROOKLYN, NY		TT-Id: 520A-0047-067

MAP LOCATION INFORMATION	ADDRESS CHANGE INFORMATION
Site location mapped by: MANUAL MAPPING (3)	Revised street: 564 METROPOLITAN AVE
Approximate distance from property: 1533 feet to the SSE	Revised zip code: 11211

Source of Spill: UNKNOWN	Spiller: UNKNOWN	Spiller Phone:
Notifier Type: Affected Persons	Notifier Name: SAME	Notifier Phone:
Caller Name: FRANK MASSERIA	Caller Agency: CON EDISON	Caller Phone: (212) 580-6763
DEC Investigator: JHOCONNIE	Contact for more spill info: SAME	Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
05/18/1999		UNKNOWN	NO		NO		
Material Spilled		Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN MATERIAL		OTHER	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

con ed #124959 spill in manhole pending cleanup

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
 Con ed e2mis notes:

Approx 1 gallon unknown fluid on approx 15 gallons water in mh, 564 Metropolitan ave, does not look like oil contained, does not see any sewer connection- cant tell if there is a sump due to water. Sees just primary cable in structure no joint regulator. He called chem lab and they're on their way to take 2 samples id and pcb. Color of water is brownish color and is poamy.

<1ppm pcb

unknown liquid: 1 gal

pcb 1ppm

AROCLOR 1242 1PPM

AROCLOR 1254 1PPM

AROCLOR 1260 1PPM

<1.0 PPM CLEANUP COMPLETE AND TAG REMOVED. Incident is closed.

Map Identification Number 142 **ON SIDEWALK** **Spill Number: 0403862** **Close Date: 07/26/2005**
 34 AINSLIE/RODNEY STREET BROOKLYN, NY TT-Id: 520A-0051-737

MAP LOCATION INFORMATION
 Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 1551 feet to the S

ADDRESS CHANGE INFORMATION
 Revised street: NO CHANGE
 Revised zip code: UNKNOWN

Source of Spill: UNKNOWN Spiller: ERT DESK - ON SIDEWALK Spiller Phone: (212) 580-8383
 Notifier Type: Responsible Party Notifier Name: PAUL DEDONOTO Notifier Phone: (212) 580-6764
 Caller Name: PAUL DEDONOTO Caller Agency: CONED Caller Phone: (212) 580-6764
 DEC Investigator: SKARAKHA Contact for more spill info: ERT DESK Contact Person Phone: (212) 580-8383

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
07/12/2004		UNKNOWN	NO		NO	

Material Spilled	Material Class	Quantity Spilled		Quantity Recovered		Resource(s) Affected
		Units		Units		
UNKNOWN PETROLEUM	PETROLEUM	0	UNKNOWN	0	UNKNOWN	SOIL

Caller Remarks:

on sidewalks ontop of manholes: no to 5 questions: coned 3 154304: unknown how or what happened:

DEC Investigator Remarks:

e2mis no 154304

7/12/2004 08:55 HRS.

J. RONALLO FOUND 3RD PARTY SPILL WITH APPROX. 2 QTS. UNKNOWN OIL ON APPROX. 10 FT BY 20 FT AREA OF STREET AND SIDEWALK. OIL IS ON TOP OF TWO MANHOLE COVERS LOCATED ON SIDEWALK F/O 34 AINSLIE ST. IT APPEARS TO BE MOTOR OIL, BUT SOURCE IS UNKNOWN. SPILL APPEARS TO BE CONTAINED. NO SEWERS OR WATERWAYS APPEAR TO BE AFFECTED. RONALLO IS IN PROCESS OF CONTAINING SPILL, BUT WILL NEED ASSISTANCE FROM ENV OPS TO CLEAN IT. HE DOES NOT EXPECT CLEANUP TO BE COMPLETED WITHIN TWO HOURS. HE HAS NOT CHECKED INSIDE THE TWO MANHOLES FOR SIGNS OF OIL (THESE WILL NEED TO BE CHECKED BY ENV. OPS. PRIOR TO COMPLETING CLEANUP). CLEANUP PENDING ARRIVAL OF CREWS FROM ENVIRONMENTAL OPS.

7/12/2004 11:00 HRS. -- J. RONALLO OF EQUIPMENT GROUP REPORTS SPILL ON SIDEWALK AND STREET CLEANED WITH OIL ABSORBANT AND DOUBLE WASHED WITH SLIX.

7/12/2004 11:05 HRS.

E. WILLIAMS, O/S BROOKLYN ENV OPS, REPORTS OIL AFFECTED THREE MANHOLES:

1. MH-55010 (PLACED ENV STOP TAG 38228)
2. MH-55011 (PLACED ENV STOP TAG 08144)
3. MH-139 (PLACED ENV STOP TAG 34050)

HE TOOK TWO SAMPLES FROM EACH MANHOLE FOR PCB AND OIL ID TESTING. ALSO REPORTS THAT A TOTAL OF FOUR BAGS OF OIL ABSORBANT WERE USED FOR CLEANUP ON STREET AND SIDEWALK.

Lab Sequence Number: 04-05421-001: Analysis indicates the presence of a substance similar to a lubricating oil.

Lab Sequence Number: 04-05421-002: Analysis indicates the presence of a substance similar to a lubricating oil.

Lab Sequence Number: 04-05421-003: Analysis indicates the presence of a substance similar to a dielectric fluid.

Lab Sequence Number: 04-05422-001: PCBs < 1 ppm

Lab Sequence Number: 04-05422-002: PCBs < 1 ppm

Lab Sequence Number: 04-05422-003: TOTAL PCB 11 ppm

From: Williams, Eugene

Sent: Tuesday, July 13, 2004 4:23 PM

Subject: Update for Inc# 154304

I met with an <50 tanker and Flush crew to drain Manholes 139, 55010, and 55011. the Tanker took 1,700 gallons of liquid from all structures combined; (2) of the structures were making water and we found uncapped cables but could not get a #9 crew to come and address it we will have to follow up these jobs with a #9 crew. Tag remain in place.

UPDATE 9/11/04 22:36 HRS ENV OPS N.GIORGIANNI REPORTS ALL CLEAN UPS ARE 100% COMPLETE AS FOLLOWS:

M139 WAS DOUBLE WASHED WITH BIO-GEN 760, ALL WASTE WAS REMOVED WITH VACTOR#60624, A CEMENTED SUMP WAS FOUND, AND ENV TAG#34050 WAS REMOVED.

M55011 WAS DOUBLE WASHED WITH BIO-GEN 760, ALL WASTE REMOVED WITH VACTOR 60624, NO SUMPS FOUND, AND ENV TAG#08144 WAS REMOVED.

M55010 WAS DOUBLE WASHED WITH BIO-GEN 760, ALL WASTE REMOVED WITH VACTOR 60624, NO SUMPS FOUND, AND ENV TAG#38228 WAS REMOVED.

ALSO AN UNDER 50 SILVER BULLET WAS ON LOCATION TO REMOVE WATER FROM THE STRUCTURES.

UPDATE 2/02/2005 17:02

B Ticket (BE04026152) dated 9/112004 indicates all uncaped cables have been sealed in all 3 man holes. Incident closed.

Map Identification Number 143 **BERRY ST & 10TH AVE/BKLYN** **Spill Number: 8905700** **Close Date: 12/08/1992**
 BERRY ST & 10TH AVENUE NEW YORK CITY, NY TT-Id: 520A-0042-772

MAP LOCATION INFORMATION
 Site location mapped by: ADDRESS MATCHING
 Approximate distance from property: 1562 feet to the NW

ADDRESS CHANGE INFORMATION
 Revised street: BERRY ST / N 10TH ST
 Revised zip code: 11211

Source of Spill: COMMERCIAL/INDUSTRIAL Spiller:
 Notifier Type: Affected Persons Notifier Name:
 Caller Name: MICHAEL Caller Agency:
 DEC Investigator: SIGONA Contact for more spill info: Spiller Phone:
 Notifier Phone:
 Caller Phone: (201) 843-4008
 Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/21/1989	12/08/1992	UNKNOWN	UNKNOWN	NO

NO MATERIAL INFORMATION GIVEN FOR THIS SPILL

Caller Remarks:

SITE OF DRY CLEANING PLANT.

DEC Investigator Remarks: DEC INVESTIGATOR REMARKS NOT AVAILABLE FOR THIS SPILL ACCORDING TO THE LAST UPDATE.

The following DEC Investigator Remarks were available prior to 1/1/2002:

10/10/95: This is additional information about material spilled from the translation of the old spill file: ETHYL XYLENE.

Map Identification Number 144 **152 NO. 5TH ST./HOLY GHOS** **Spill Number: 8705743** **Close Date: 11/05/1993**
 152 NO. 5TH ST BROOKLYN, NY TT-Id: 520A-0045-650

MAP LOCATION INFORMATION
 Site location mapped by: PARCEL MAPPING (2)
 Approximate distance from property: 1569 feet to the WSW

ADDRESS CHANGE INFORMATION
 Revised street: 152 NO. 5TH ST.
 Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER	Spiller: HOLY GHOST UKRANIAN SCHOO	Spiller Phone: (718) 782-9592
Notifier Type: Tank Tester	Notifier Name:	Notifier Phone:
Caller Name:	Caller Agency:	Caller Phone:
DEC Investigator: BATTISTA	Contact for more spill info:	Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved	Meets Cleanup Standards	Penalty Recommended
10/07/1987	11/05/1993	OTHER	2-277347	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	-1.00	POUNDS	0.00	POUNDS	GROUNDWATER

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		Unknown	0.00	UNKNOWN

Caller Remarks:

5K TANK FAILED WITH A HIGH VOLUME LEAK, WILL EXCAVATE, ISOLATE, AND DETERMINE IF IT CAN BE REPAIRED.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 145 **MANHOLE 12074**
 113 BERRY ST

BROOKLYN, NY

Spill Number: 0501940

Close Date: 07/28/2005
 TT-Id: 520A-0045-072

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
 Approximate distance from property: 1575 feet to the WNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: UNKNOWN	Spiller: ERT DESK MIKE DAUGHTERY - MANHOLE 12074	Spiller Phone: (212) 580-8383
Notifier Type: Other	Notifier Name: WAINWRIGHT	Notifier Phone:
Caller Name: RON ELLIOTT	Caller Agency: CON ED	Caller Phone: (212) 580-8383
DEC Investigator: GDBREEN	Contact for more spill info: ERT DESK MIKE DAUGHTERY	Contact Person Phone: (212) 580-8383

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
05/17/2005		UNKNOWN	NO		NO	

Material Spilled	Material Class	Quantity Spilled		Quantity Recovered		Resource(s) Affected
		Units		Units		
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

One pint of unknown oil stayed in vault. Clean up is pending samples. Earthen sump found. 158640.

DEC Investigator Remarks:

158640. 5/17/05 - 1415hrs - Charles Lugo # 03594 - Mech A, Env. Ops reports while on routine flush request for I&A acct # 44559 found 1 pt unknown oil on 1/2 gallon water in M12074. No fire/smoke involved. No sewers or waterways affected. No private property affected. Sample taken, marked E priority - 24 hr program - chain of custody # DD15032. Env. stop tag # 46885 placed. Clean up pending test results. Placed guardrails and tied to mh cover along with cones to secure structure for access. cn#19661

5/18/2005 01:33 HRS. -- RECEIVED PCB RESULTS <1.0 PPM, LAB SEQ # 05-04611-001. -- W.W. #17344 --

5/18/2005 03:32 HRS. -- S. ADEAPO OF BROOKLYN ENV OPS REPORTS EARTHEN SUMP FOUND IN STRUCTURE. ENV OPS WILL CEMENT SUMP AND CONTINUE CLEANUP. INCIDENT REMOVED FROM 24-HOUR DEMINIMIS AT 04:02 HRS (DUE TO E2MIS DOWN).

5/18/2005 04:04 HRS. -- NOTIFIED R. ELLIOTT OF C.I.G. -- W.W. #17344 --

5/18/2005 04:30 HRS. -- S. ADEAPO OF BROOKLYN ENV OPS REPORTS HE & D.LICHTENSTEIN DOUBLE WASHED STRUCTURE WITH BIOGEN 760, SEALED SUMP WITH CEMENT AND REMOVED ENV STOP TAG # 46885. CLEANUP COMPLETE AT THIS TIME. -- W.W. #17344 --

Closed. 7-28-05. George Breen

Map Identification Number 146  **BMT L LINE**
LORIMER/METROPOLITIAN

BROOKLYN, NY

Spill Number: 0607434

Close Date: 10/10/2006
TT-Id: 520A-0048-000

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1587 feet to the SE

ADDRESS CHANGE INFORMATION

Revised street: LORIMER ST / METROPOLITAN AVE
Revised zip code: 11211

Source of Spill: RAILROAD CAR
Notifier Type: Other
Caller Name:
DEC Investigator: SMSANGES

Spiller: DISPATCHER 727 - BMT L LINE
Notifier Name:
Caller Agency:
Contact for more spill info: DISPATCHER 727

Spiller Phone: (718) 965-8261
Notifier Phone:
Caller Phone:
Contact Person Phone: (718) 965-8261

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
09/29/2006		UNKNOWN	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN MATERIAL	OTHER	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

train is being evacuated- unknown what happened and still investigating

DEC Investigator Remarks:

not a petroleum related problem

Map Identification Number 147  **METROPOLITIAN AV AND**
LORIMER ST

BROOKLYN, NY

Spill Number: 0002207

Close Date: 11/25/2002
TT-Id: 520A-0042-559

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1587 feet to the SE

ADDRESS CHANGE INFORMATION

Revised street: METROPOLITAN AVE / LORIMER ST
Revised zip code: 11211

Source of Spill: UNKNOWN	Spiller: UNKNOWN	Spiller Phone:
Notifier Type: Citizen	Notifier Name:	Notifier Phone:
Caller Name: DIANE ALFIERI	Caller Agency: CITIZEN	Caller Phone: (212) 708-3791
DEC Investigator: JMROMMEL	Contact for more spill info:	Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
05/21/2000		UNKNOWN	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN MATERIAL	OTHER	20.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

caller noticed greenish material on road yesterday and would like it looked into as to what the material is. caller req a call asap

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ROMMEL" Robert L. called.

Caller said that liquid spread out onto four block radius after may 21, sunday's rain. probably started near an empty lot. can see liquid clearly in potholes union ave. no smell of oil or gasline dep was called [case#165296 stan siebenbery] who in turn called sanitation

Map Identification Number 148 **REGENCY METAL STAMPING**
 140 NORTH 7TH ST

BROOKLYN, NY

Spill Number: 9803782

Close Date: 09/26/2005
 TT-Id: 520A-0045-653

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 1610 feet to the W

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL Spiller: UNKNOWN - REGENCY METAL STAMPING Spiller Phone:
 Notifier Type: Citizen Notifier Name: COMMUNITY BOARD Notifier Phone:
 Caller Name: ANONYMOUS Caller Agency: Contact for more spill info: UNKNOWN Caller Phone:
 DEC Investigator: NEPUTNAM Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/25/1998		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled		Quantity Recovered		Resource(s) Affected
		Units		Units		
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

caller states strong petroleum odor is constantly emitted from location. epa advised and citizen was advised by them to contact us.

DEC Investigator Remarks:

Sep 26/05 -Nathan- Spill Closed per Guidance for Closure Decisions.

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "M TIBBE"

Map Identification Number 149 **433 UNION AVE**
 433 UNION AVE

BROOKLYN, NY

Spill Number: 9800933

Close Date: 05/11/1998
 TT-Id: 520A-0046-728

MAP LOCATION INFORMATION
 Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 1616 feet to the SSE

ADDRESS CHANGE INFORMATION
 Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION
 Notifier Type: DEC
 Caller Name: KEVIN HALE
 DEC Investigator: KGHale

Spiller: CUMBERLAND FARMS
 Notifier Name: KEVIN HALE
 Caller Agency: NYS DEC
 Contact for more spill info: KEVIN HALE

Spiller Phone:
 Notifier Phone: (718) 776-6080
 Caller Phone: (718) 776-6080
 Contact Person Phone: (718) 776-6080

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.
 Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
04/21/1998		UNKNOWN	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
WASTE OIL/USED OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

contaminated soil noted during excavation - excavation will continue

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "HALE"

Map Identification Number 150 **MANHOLE 4935**
 MANHOLE 4935
 UNION AVE/DEVOE STREET

, NY

Spill Number: 9910034 **Close Date: 03/29/2002**
 TT-Id: 520A-0051-728

MAP LOCATION INFORMATION
 Site location mapped by: ADDRESS MATCHING
 Approximate distance from property: 1621 feet to the SSE

ADDRESS CHANGE INFORMATION
 Revised street: UNION AVE/DEVOE STREET
 Revised zip code: 11211

Source of Spill: UNKNOWN	Spiller: UNKNOWN - UNKNOWN	Spiller Phone:
Notifier Type: Other	Notifier Name: DON HERBST	Notifier Phone: (212) 580-6763
Caller Name: RICHARD ROACHE	Caller Agency: CON EDISON	Caller Phone: (212) 580-6766
DEC Investigator: COMENALE	Contact for more spill info: CALLER	Contact Person Phone:

Category: Possible petroleum release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters, known releases with no potential for damage, or non-petroleum/non-hazardous spills.
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
11/18/1999		UNKNOWN	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

caller reporting 1 pint of material on 30 gal of water clean up pending lab results coned#129034 no callback necessary

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 151  **CYN BAR**
 NORTH 5TH & BEDFORD AVE
 BROOKLYN, NY
Spill Number: 0610684 **Close Date: 01/15/2009**
 TT-Id: 520A-0048-006

MAP LOCATION INFORMATION
 Site location mapped by: ADDRESS MATCHING
 Approximate distance from property: 1633 feet to the W

ADDRESS CHANGE INFORMATION
 Revised street: N 5TH ST / BEDFORD AVE
 Revised zip code: 11211

Source of Spill: COMMERCIAL/INDUSTRIAL Spiller: CYN BAR Spiller Phone:
 Notifier Type: Citizen Notifier Name: Notifier Phone:
 Caller Name: Caller Agency: Caller Phone:
 DEC Investigator: JBVOUGHT Contact for more spill info: KATHERINE WALDROP Contact Person Phone: (203) 804-8630

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
12/20/2006		UNKNOWN	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
ANTIFREEZE	OTHER	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

CALLER REPORTS OBSERVING LARGE AMOUNTS OF NEON GREEN LIQUID COMING OUT OF PIPES IN BUILDING, BASEMENT AND PATIO AT THIS LOCATION: MATERIAL IS BELIEVED TO BE ANTIFREEZE AND IS ENTERING THE STREET AND SIDEWALK AT THIS LOCATION:

DEC Investigator Remarks:

01/15/09-Vought-Non petroleum spill. Spill closed by Vought due to non-petroleum and age of spill (occurred two years ago).

Map Identification Number 152 **MANHOLE 4869** **Spill Number: 0203510** **Close Date: 11/04/2002**
 BEDFORD AVE/N 5TH ST BROOKLYN, NY TT-Id: 520A-0037-317

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING
 Approximate distance from property: 1633 feet to the W

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: UNKNOWN	Spiller: UNKNOWN	Spiller Phone:
Notifier Type: Other	Notifier Name: STEVE PACE	Notifier Phone:
Caller Name: SEAN MCKEEVER	Caller Agency: CON EDISON	Caller Phone: (212) 580-6763
DEC Investigator: AERODRIG	Contact for more spill info: SEAN MCKEEVER	Contact Person Phone: (212) 580-6763

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
07/02/2002		UNKNOWN	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

1/2 GAL UNK OIL ON 50 GALS OF WATER - CONFINED TO MANHOLE - LAB RESULTS SHOW LESS THAN 1 PPM PCB - CON ED 143716 - NO CLEAN UP

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "RODRIGUEZ"

E2MIS NOTES 143716

7/2/02 - 1245

N. MCCONNELL - 29670 - #9, REPORTS FINDING APPROX 1/2 GAL OF AN UNKNOWN OIL ON APPROX 50 GALS OF WATER IN MH4869. SPILL IS

CONTAINED. NO SEWERS OR WATERWAYS AFFECTED. NO FIRE OR SMOKE INVOLVED. NO INJURIES RELATED TO THE SPILL. NO PRIVATE PROPERTY AFFECTED. NO SEWER CONNECTIONS. CANNOT VERIFY THE EXISTENCE OF ANY SUMPS. NO SUBSTANTIAL CRACKS IN THE STRUCTURE. NO MOVEMENT IN THE WATER. MR. MCCONNELL IS WAITING FOR HIS FOREMAN TO ARRIVE WITH SAMPLE JARS & A CHAIN OF CUSTODY FORM. CLEANUP PENDING SAMPLE RESULT WHEN TAKEN.

UPDATE 7-2-02 1400 HRS K. NEWLAND OS SERV BUR REPORTS HE PLACED E.S.TAG #35081 AND CHAIN OF CUSTODY # CC3927 . K. NEWLAND ALSO SAID THERE IS A POSSIBILITY OF A D-FAULT IN STRUCTURE. FLUSH TRUCK TO CLEAN STRUCTURE FROM THE TOP WHEN SAMPLE RESULTS COME BACK . SERV BUR TO INSPEC STRUCTURE FOR D-FAULT BEFORE GOING INTO STRUCTURE TO COMPLETE CLEANUP.

UPDATE** 7-3-02 01:00HRS LAB SEQ# 02-06127-001 <1.0 PPM

UPDATE** 7-3-02 06:50HRS JOB WILL BE TAKEN OFF THE 24HR CLOCK DUE TO MAN POWER AND HEAT CONTINGENCY.

UPDATE @ 040 HRS 8/1 D.HERSKOWITZ REPORTS INSPECTED STRUCTURE FOUND NO EVIDENCE OF A D-FAULT. HE DOUBLE WASHED STRUCTURE. NO SUMP FOUND, TAG REMOVED.

Map Identification Number 153

MH 4869

BEDFORD AVE/NORTH 5TH STBR

BROOKLYN, NY

Spill Number: 0203177

Close Date: 08/30/2002

TT-Id: 520A-0051-095

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING
 Approximate distance from property: 1633 feet to the W

ADDRESS CHANGE INFORMATION

Revised street: BEDFORD AVE / N 5TH ST
 Revised zip code: NO CHANGE

Source of Spill: UNKNOWN	Spiller: UNKNOWN	Spiller Phone:
Notifier Type: Affected Persons	Notifier Name: HOGAN	Notifier Phone:
Caller Name: BILL MURPHY	Caller Agency: CON EDISON	Caller Phone: (212) 580-6763
DEC Investigator: AERODRIG	Contact for more spill info: BILL MURPHY	Contact Person Phone: (212) 580-6763

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/25/2002		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN MATERIAL	OTHER	20.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

20 gal unk material on 100 gal water...samples taken clean up will be 50 to 499 ppm. ref # 143572.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "RODRIGUEZ"
Con Ed e2mis #144572:

25- JUN- 2002 12: 05 HRS.

EMERGENCY DEPT #9. TRBL SHOOTER HV. K. BARTHOLOMEW EMP# 55495

REPORTS: WHILE ON LOCATION FOR EMERGENCY WORK FOUND: APPROX. 20 GAL'S OF UNKNOWN OIL ON APPROX. 100 GAL'S OF WATER. SPILL IS CONTAINED. NO SEWERS OR WATER WAYS APPEAR TO BE AFFECTED. THERE IS NOT NOW NOR WAS THERE PRIOR FIRE INVOLVEMENT .THERE IS NOT NOW NOR WAS THERE PRIOR SMOKE INVOLVEMENT. THERE WERE NO INJURIES RELATED TO THIS INCIDENT. THERE ARE NO INCLEMENT WEATHER CONDITIONS OR HAZARD THAT CONTRIBUTED TO THIS SPILL . NO KNOWN SUMP OR PUMP. NO KNOWN SEWER CONNECTION PRESENT. NO PRIVATE PROPERTY AFFECTED. OWNER OF SUBSTANCES IS UNKNOWN. NO KNOWN SUBSTANTIAL CRACKS IN STRUCTURE. ENVIR. TAG# 22889 PLACED. 1 LIQ. SAMPLE TAKEN FROM SPILL & MARKED PRIORITY " E " CHAIN OF CUSTODY# AA- 24718. SAMPLE TO BE TAKEN TO ASTORIA CHEM. LAB. BEING DONE AS 50-499..

S. STATHIS OF EHS NOTIFIED.

UPDATE - 25- JUN- 2002 12: 51 HRS. CIG MR. W. MURPHY NOTIFIED

6/ 25/ 02 16: 49 HRS. -- OIL ID RESULTS, LAB SEQ # 02-05884: "Analysis indicates the presence of a substance similar to a dielectric fluid".

UPDATE 6/ 25/ 02 17: 20 HRS. -- S. STATHIS OF B/ Q EH& S REPORTS HE SPOKE WITH ERT WHO TOLD HIM DEP WILL NOT BE RESPONDING

TO LOCATION. CLEANUP IN PROGRESS AND STATHIS IS LEAVING LOCATION AT THIS TIME.

UPDATE @ 2120 HRS 6/ 25 J. CUADRADO ENVIROMENTAL OPS REPORTS CLEANUP COMPLETED TANKER REMOVED ALL LIQUIDS SOLIDS PUT INTO 3 DRUMS. TO BE PICKED UP. STRUCTURE DOUBLE WASHED WITH BIO GEN 760. NO DRAIN OR SEWER CONNECTION IN STRUCTURE. STOP TAG REMOVED.

6/ 25/ 02= 2134HRS LAB RESULTS RETURNED 16PPM LSN= 05833

Map Identification Number 154 **CONSTRUCTION SITE**
 161 NORTH 4TH

BROOKLYN, NY

Spill Number: 0513611

Close Date: 03/21/2006
 TT-Id: 520A-0046-203

MAP LOCATION INFORMATION
 Site location mapped by: PARCEL MAPPING (2)
 Approximate distance from property: 1637 feet to the WSW

ADDRESS CHANGE INFORMATION
 Revised street: 161 N 4TH ST
 Revised zip code: 11211

Source of Spill: UNKNOWN	Spiller: UNKNOWN)	Spiller Phone:
Notifier Type: Other	Notifier Name: CARLE LORLF	Notifier Phone: (718) 383-7489
Caller Name: CARLE LORLF	Caller Agency: CITIZEN	Caller Phone: (718) 383-7489
DEC Investigator: rmpiper	Contact for more spill info: UNKNOWN	Contact Person Phone:

Category: Possible petroleum release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters, known releases with no potential for damage, or non-petroleum/non-hazardous spills.
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
02/24/2006		UNKNOWN	YES		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

caller states they are excavating black soil from the ground, was advised by reg 2 to call in.

DEC Investigator Remarks:

Sangesland spoke to caller. He said he works in the area and saw the site from the sidewalk. Site used to be a furniture manufacturer. Building has been leveled and an excavator was digging out the site into trucks. Caller did NOT smell anything, but said the soil looked unusually black.
 Caller has taken some pictures and will e-mail them to the DEC next week.

2/27/2006 E-mail with photos was received by DEC - Piper responded to the site. Area was fenced off and no construction work was being done. Piper did not smell any problem at the site. He will try to revisit the site on another day.

3/21/06- DEC Piper walked site and did not notice petroleum odors. Piper did see muni- gas meter and piping. Closed.

Map Identification Number 155 **AINSLE ST. S/S**
 34 AINSLIE STREET

BROOKLYN, NY

Spill Number: 9501140

Close Date: 05/12/2008
 TT-Id: 520A-0043-879

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (4)
 Approximate distance from property: 1644 feet to the S

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
 Notifier Type: Other
 Caller Name: STEVE CRIBBIN
 DEC Investigator: JHOCONNE

Spiller:
 Notifier Name:
 Caller Agency: CON EDISON
 Contact for more spill info:

Spiller Phone:
 Notifier Phone:
 Caller Phone: (212) 580-6763
 Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
04/24/1995		UNKNOWN	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
TRANSFORMER OIL	PETROLEUM	0	POUNDS	0	POUNDS	SOIL
UNKNOWN PETROLEUM	PETROLEUM	-1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

FOUND OIL IN THE SUMP UNDER TRANSFORMER #4 - THINKS UNKNOWN AMPUNT OF OIL HASS BEEN PUMPED INTO SEWER.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ENGELHARDT"
 4/27/95: Engelhardt went to Ainsle S/S, met with Con Ed (Keith Baruch - Env. Affairs, Steve Zalloughi - Brklyn Env. Manager, Rich Opah - S/S supervisor). Opah discovered oil several days ago. It was sampled, PCBs = 177 ppm. Some oil is dripping from transformer but this is thought to be PCB-free. Facility is built on top of underground spring - water is pumped to sewer when level reaches pre-set height - DEP PERMIT REQUIRED! Tomorrow, Con Ed will pump out and clean the vault, clean the area immediately surrounding the vault, perform wipe tests in and around the vault and test the oil in the transformer for PCBs. Keith Baruch to send results of analyses.

Duplicate report of spill # 9501155.

5/12/08: Close - track under DEC # 0406630. (JHO)

Map Identification Number 156 **AINSLIE ST SUBST TR #4**
 34-50 AINSLIE STREET

BROOKLYN, NY

Spill Number: 0406371

Close Date: 09/21/2004
 TT-Id: 520A-0043-881

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (4)
 Approximate distance from property: 1644 feet to the S

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
 Notifier Type: Responsible Party
 Caller Name: PAUL DEDONOTO
 DEC Investigator: JHOCONNE

Spiller: ERT DESK - CON ED
 Notifier Name: PAUL DEDONOTO
 Caller Agency: CONED
 Contact for more spill info: ERT DESK

Spiller Phone: (212) 580-8383
 Notifier Phone: (212) 580-6764
 Caller Phone: (212) 580-6764
 Contact Person Phone: (212) 580-8383

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/09/2004		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled		Quantity Recovered		Resource(s) Affected
			Units		Units	
UNKNOWN PETROLEUM	PETROLEUM	0	UNKNOWN	0	UNKNOWN	SOIL
UNKNOWN PETROLEUM	PETROLEUM	0	POUNDS	0	POUNDS	SOIL

Caller Remarks:

LESS THAN 1 OUNCE ON 1000 GALLONS OF WATER CAME BACK AT 66 PPM: CONED # 155289: NO SEWERS OR WATERWAYS CLEAN UP PENDING CREWS:
 **** was on 24 hr clock and now coming off*****

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
 e2mis no. 155289:

BQE reports that in Transformer # 4 concrete vault 1000 gallons of water was found and sampled and the results came back as 66 ppm of PCB oil. The transformers have previously been drained. This substation is a decommissioned station and the water was found on an inspection due to the amount of rainfall that has occurred. Clean up pending.

DUE TO STRUCTURES BEING INTERCONNECTED ALL FOUR UNITS (#1, #2, #3 & #4) ARE BEING TREATED AS 50-499 PPM. WATER QUANTITY IS APPROX. 5000 GALS; OIL QUANTITY IS APPROX. 3 GALS. AT 66 PPM AS PER

RESULT ON LS# 04-07120.

9/10/2004 20:35 HRS. -- EQUIPMENT GROUP O/S R. BRENSEKE REPORTS COMPARTMENT #4 DRAINED WITH TANKER, FOUND AN ABANDONED SUMP PIT AND RE-SEALED THE ALREADY SEALED CONNECTIONS WITH CONCRETE.

Update - 9/11/04 0820hrs

Sean McKeever reports > 50 tanker removed 6,200 gallons of water. Removed also 8 barrels of solid waste from all 4 transformer vaults. Double washed by Clean Ventures. Removed env. stop tag # 06423. Clean up completed as of this time.

~~~~~  
DEC Inspector notes:

9/21/04: Duplicate spill report - see 0406635. Close out. (JHO)

**Map Identification Number 157**      **213519; 133 NO. 5 ST**  
      133 NO. 5 ST

NEW YORK, NY

**Spill Number: 0814442**

**Close Date: 09/15/2008**

TT-Id: 520A-0248-414

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)  
 Approximate distance from property: 1674 feet to the W

ADDRESS CHANGE INFORMATION

Revised street: 133 N 5TH ST  
 Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL  
 Notifier Type: Responsible Party  
 Caller Name:  
 DEC Investigator: DMPOKRZY

Spiller: ERT DESK - CON EDISON  
 Notifier Name:  
 Caller Agency:  
 Contact for more spill info: ERT DESK

Spiller Phone:  
 Notifier Phone:  
 Caller Phone:  
 Contact Person Phone: (212) 580-8383

Category: Possible petroleum release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters, known releases with no potential for damage, or non-petroleum/non-hazardous spills.  
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

| Spill Date        | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|-------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 09/08/2008        |                     | UNKNOWN          | NO                      |                    | NO                  |                      |
| Material Spilled  | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| UNKNOWN PETROLEUM | PETROLEUM           | 2.00             | GALLONS                 | 0.00               | GALLONS             | UTILITY              |

Caller Remarks: NO REMARKS GIVEN FOR THIS SPILL

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

**Map Identification Number 158** **COMMERCIAL** **Spill Number: 0403650** **Close Date: 07/24/2006**  
 125 BERRY ST BROOKLYN, NY TT-Id: 520A-0045-077

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)  
 Approximate distance from property: 1678 feet to the WNW

ADDRESS CHANGE INFORMATION

Revised street: 125 BERRY ST.  
 Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION Spiller: MARK ROBBINS - COMMERCIAL Spiller Phone: (631) 462-5866  
 Notifier Type: Other Notifier Name: MARK ROBBINS Notifier Phone: (631) 462-5866  
 Caller Name: MARK ROBBINS Caller Agency: HYDRO TECH ENVIRONMENTA Caller Phone: (631) 462-5866  
 DEC Investigator: rmpiper Contact for more spill info: MARK ROBBINS Contact Person Phone: (631) 462-5866

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |  | Penalty Recommended |  |
|------------|---------------------|----------------|-------------------------|--|---------------------|--|
| 07/02/2004 |                     | UNKNOWN        | YES                     |  | NO                  |  |

| Material Spilled  | Material Class | Quantity Spilled | Units  | Quantity Recovered | Units  | Resource(s) Affected |
|-------------------|----------------|------------------|--------|--------------------|--------|----------------------|
| UNKNOWN PETROLEUM | PETROLEUM      | 0                | POUNDS | 0                  | POUNDS | SOIL                 |

Caller Remarks:

SPILLED AT A FORMER GAS STATION, SOIL ANALYTICAL RESULTS EXCEED STANDARDS

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "ROMMEL"  
 CSL has been send on 7/7/04 to S.C. TRUCK & AUTO REPAIR,INC., 125 Berry Street, Brooklyn, NY 11211. YK.

08/09/05- spoke to Antoinette Olliviere of HydroTech. They just took over this site several months ago and they are currently installing gw monitoring wells. S. Scharf

10/05- Antoinette Olliviere is discussing project with client, will get back to me. S. Scharf

12/05- send Ms. Doma, the owner, a stipulation agreement to sign after sendign the draft to Hydrotech to make them understand the procedure.

12/05- Ms. Doma rejects Hydrotech bid and is apparently declining to do the work at this time. refer back to Region to follow up. S. scharf

6/13/06 - Austin - Received copy (missing pages) of signed stip via fax from Hydrotech - reassigned from Scharf to Piper - he will review project to determine if this is a "spill response" or will go to Pet. Remediation Section - end

7/7/06- DEC Piper received signed stip agreement and RAWP. Piper approved RAWP and mailed approval letter to owner and hydrotech. Piper will visit site in afternoon.

7/24/06- DEC Piper reviewed closure request summary report. As per report, approx 202 tons of contaminated soil was removed. 5 endpoints were collected and revealed 3 SVOC below TAGM in one sample. Based on excavation, findings, this case is closed , E-Docs if warranted.

**Map Identification Number 159**



**GAS STATION**  
417 UNION AVE

BROOKLYN, NY

**Spill Number: 9803138**

**Close Date: 06/17/1998**  
TT-Id: 520A-0046-729

**MAP LOCATION INFORMATION**

Site location mapped by: PARCEL MAPPING (2)  
Approximate distance from property: 1727 feet to the SSE

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION  
Notifier Type: DEC  
Caller Name: AECO PARRIS  
DEC Investigator: O'DOWD

Spiller: GAS STATION  
Notifier Name: JERRY ESPOSITO  
Caller Agency: DEC  
Contact for more spill info:

Spiller Phone:  
Notifier Phone: (718) 389-0009  
Caller Phone: (718) 482-4885  
Contact Person Phone:

| Spill Date       | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 06/10/1998       |                     | UNKNOWN          | NO                      |                    | NO                  |                      |
| Material Spilled | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| GASOLINE         | PETROLEUM           | 0                | GALLONS                 | 0                  | GALLONS             | AIR                  |

Caller Remarks:

COMPLAINANT DESCRIBED GASOLINE VAPORS IN AIR - CURRENTLY UNDER

SOME TYPE OF CONSTRUCTION - EXCAVATION OPEN

DEC Investigator Remarks: DEC INVESTIGATOR REMARKS NOT AVAILABLE FOR THIS SPILL ACCORDING TO THE LAST UPDATE.

**The following DEC Investigator Remarks were available prior to 1/1/2002:**

6/15/98 2:10 PM WENT TO GULF S/S LOCATED AT 447 UNION AVE. MET WITH BERNIE/GULF AND PETE/PETROL. TECH. UPGRADING EXISTING 3X3K FOR 1998 DEADLINES. SOIL CLEAN SAND AND NO SHEENING ON WATER IN EXCAVATION. EXCAVATION DUG DOWN TO TOP OF USTS. BERNIE SAID TANKS WERE PUMPED OUT OVER 30 DAYS AGO AND SITE HAS TRANSFERRED OWNERSHIP RECENTLY. HE SAID BORINGS WERE DONE AND SOIL DOWN TO 16 FT BG WAS DUG OUT AND HAULED OFF-SITE. NO GASOLINE VAPOR SMELL AND THEY DIDN'T RECEIVE ANY COMPLAINTS. 2:30 PM WENT OT 417 UNION AVENUE. MET WITH ANDREAS PFANNER. ITS A FINE WOODWORKING PLACE WHERE THEY DO FINISHING OF CABINETS AND LAQUERING OF WOODWORK. ONE EXHAUST, NO GASOLINE VAPORS DETECTED. HE DIDN'T HEAR OF ANY COMPLAINTS.

**Map Identification Number 160**      **MAIN ROAD WAY**      **Spill Number: 0902116**      **Close Date: 05/26/2009**  
      HOPE STREET AND MARCY AVE      BROOKLYN, NY      TT-Id: 520A-0229-603

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING  
 Approximate distance from property: 1735 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: HOPE STREET / MARCY AVE  
 Revised zip code: NO CHANGE

|                                        |                                       |                                      |
|----------------------------------------|---------------------------------------|--------------------------------------|
| Source of Spill: COMMERCIAL/INDUSTRIAL | Spiller: UNKNOWN AT THIS TIME         | Spiller Phone:                       |
| Notifier Type: Fire Department         | Notifier Name:                        | Notifier Phone:                      |
| Caller Name:                           | Caller Agency:                        | Caller Phone:                        |
| DEC Investigator: smsanges             | Contact for more spill info: CHAMBERS | Contact Person Phone: (347) 203-6886 |

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.  
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

| Spill Date       | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 05/21/2009       |                     | OTHER            | NO                      |                    | NO                  |                      |
| Material Spilled | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| DIESEL           | PETROLEUM           | 10.00            | GALLONS                 | 0.00               | GALLONS             |                      |

Caller Remarks:

1358 The caller advised dispatch the spill was due to a cement truck that was on fire. The diesel fuel has leaked into a near by

storm drain. Clean up is pending at this time.

DEC Investigator Remarks:

saddle tank spill to street - sanded by sanitation.  
DEP was made aware of the spill to the storm drain.

**Map Identification Number 161** **INTERSECTION FROM MANHOLE 4917** **Spill Number: 1011113** **Close Date: 02/25/2011**  
 **MANHATTAN AVE AND FROST ST** **BROOKLYN, NY** **TT-Id: 520A-0260-387**

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING  
Approximate distance from property: 1793 feet to the E

ADDRESS CHANGE INFORMATION

Revised street: MANHATTAN AVE / FROST ST  
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN Spiller: CON ED Spiller Phone:  
 Notifier Type: Other Notifier Name: Notifier Phone:  
 Caller Name: Caller Agency: Caller Phone:  
 DEC Investigator: RWAUSTIN Contact for more spill info: ERT Contact Person Phone: (212) 580-8383

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |  | Penalty Recommended |  |
|------------|---------------------|----------------|-------------------------|--|---------------------|--|
| 02/04/2011 |                     | UNKNOWN        | NO                      |  | NO                  |  |

| Material Spilled | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| UNKNOWN MATERIAL | OTHER          | 0.01             | GALLONS | 0.00               | GALLONS |                      |

Caller Remarks:

1 qt unknown oil to 20 gallons water - pumped to sewer drain - cleanup pending

DEC Investigator Remarks:

2/25/11 - Austin - 1 quart cable oil leak in service vault, on top of 20 gals water - Spill contained and cleaned up by Con Ed - see documents in Edocs for further information - spill closed - end

**Map Identification Number 162** **FEEDER 61**  
 RODNEY & HOPE ST

BROOKLYN, NY

**Spill Number: 9802008**

**Close Date: 11/01/2002**  
 TT-Id: 520A-0042-917

**MAP LOCATION INFORMATION**

Site location mapped by: ADDRESS MATCHING  
 Approximate distance from property: 1798 feet to the S

**ADDRESS CHANGE INFORMATION**

Revised street: RODNEY ST / HOPE ST  
 Revised zip code: 11211

Source of Spill: COMMERCIAL/INDUSTRIAL  
 Notifier Type: Affected Persons  
 Caller Name: STEVE ROMERO  
 DEC Investigator: JHOCONNE

Spiller: STEVE ROMERO - CON EDISON  
 Notifier Name: MR CRIBBEND  
 Caller Agency: CON EDISON  
 Contact for more spill info: STEVE ROMERO

Spiller Phone:  
 Notifier Phone:  
 Caller Phone: (212) 580-6763  
 Contact Person Phone: (212) 580-6763

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors),  
 contamination of drinking water supplies, or significant release to surface waters.  
 Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |  | Penalty Recommended |  |
|------------|---------------------|----------------|-------------------------|--|---------------------|--|
| 05/15/1998 |                     | UNKNOWN        | NO                      |  | NO                  |  |

| Material Spilled | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| DIELECTRIC FLUID | PETROLEUM      | 1300             | GALLONS | 0                  | GALLONS | SOIL                 |

**Caller Remarks:**

UNKNOWN EXACTLY WHERE LIE IS LEAKING. IT IS LEAKING AT A RATE OF 350 GALS PER MINUTE

**DEC Investigator Remarks:**

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "O'CONNELL"  
 DEC responder notes:

5/15/98: Initial leak rate was 400 gals per hour from a feeder line running between Farragut and Ravenswood Stations. The leak was located at the intersection of Rodney and Hope Streets on the eastbound BQE service road, south of Metropolitan Avenue. The exact location of the leak was found when FDNY was called with a report of oil coming up out of the roadway. The leak rate was updated to 400 gallons per hour (not per minute). Pressure on the feeder was immediately reduced when the leak was noted by Con Edison.

The cause of the leak turned out to be a fence post installed by a fencing contractor hired by NYCDDC for the installation of guard rails along the BQE service road. Apparently the contractor (Metro Fencing) used a pile driver to install the fence posts without getting a complete Code 53 mark-out. They drove a post directly into the feeder cable. Since there was the possibility that the electrical transmission cable itself was damaged, the electrical service along this feeder was shut off (Con Ed has

redundant systems in most of the City, so no one was affected by power outages).

Approximately 1300 gallons of non-PCB dielectric oil leaked before a temporary clamp was installed. Two temporary freeze pits were installed to allow for inspection of the electrical cable before permanent repairs were made. Con Ed's cleanup contractors (Clean Venture and Miller Environmental Group) recovered approximately 500 gallons of liquid waste from both the street and the nearby combined sewer. In addition, several roll-off containers of contaminated soil and debris were also removed. Back end samples were collected from the excavation for analysis. Results are pending. In addition to FDNY, NYC OEM, DEP and DDC responded. (JHO)

On Feb. 8, 1999 Con Ed submitted a spill closure request, including history of spill, amount of oil leaked, amounts recovered and lab analytical for TPH and benzene. (JHO)

e2mis no. 116-869:

5-MAY-1998 @ 14:15 HRS. CONTROL CENTER LEAK DETECTION SYSTEM ACTIVATED ON FDR 61. CONTROL CENTER CHECKING DATA AT FARRAGUT PP#. ALL INDICATIONS FDR HAS A LEAK.

14:31 HRS FDR REQ OOE CAT#1, AND PFT VAN DISPATCHED.

14:35 HRS. FDR 6 C/O UT NOTIFIED TO SEND CREWS OUT, SYSTEMS REQUESTED TO SHUT DOWN PURS ON FDR 61. BROOKLYN DIVISION NOTIFIED TO PATROL FDR61.

14:50 HRS. GAS DISPATCHERS TO INSPECT 11TH STREET CONDUIT.

15:15 HRS BROOKLYN #9 REPORTS FIRE DEPT FOUND LEAK ON THE BQE EAST BOUND EXIT RAMP NEAR METROPOLIATIN AVE. FDNY CLOSED DOWN EXIT RAMP.

16:00 HRS LEAK POSSIBLY ATTRIBUTTED TO CONTRACTOR INSTALLING NEW GUARD RAILS ALONG BQE. APPROXIMATELY 00 GALLONS OF OIL ON SOIL AND BLACKTOP. NO ENTRY TO SEWERS OR WATERWAYS.

16:15 HRS V&R EXCAVATING CONTRACTOR ON SITE, CLEAN VENTURES CONTRACTOR ENROUTE.

15-MAY-1998 @ 20:30 UTO- REPORTS OIL LEAK ON 10 INCH FEEDER PIPE & TEMPORARY CLAMP APPLIED AND LEAK STOPPED.

05/17/98 0100HRS

AS PER ERT THE ORIGINAL REPORT WAS INCORRECT SAYING THAT NO OIL HAD ENTERED A SEWER. AT APPROX. 5HRS ON 5/15/98 A ERT REP. ON THE SCENE CONFIRMED THAT A UNKNOWN AMOUNT OIL DID IN FACT ENTER A SEWER.

Leak rate 250-300 gph. Leak was contained in half-drum at 18:00hrs. Temp clamp installed at 18:30hrs. Lab samples 98-05431 <1.0 ppm PCBs and 24.5 ppm Benzene. Excavation continues to make trench large enough for permanent repairs and for freeze pits. Temporary EPA #NYP004023115 received for benzene solids and PCB/asbesots coal tar coating. X-Rays taken - shows that cable at bottom of pipe and should not be damaged. Freeze pits excavated on both sides of damage Brooklyn FOD ID three locations- freezes

started at 11:00 hrs 5/17/98. Pipe coupon cut out at 12:30 hrs 5/18/98 and engineering inspection made. Cable OK. Custom barrel to be fabricated on 3-11 shift and welded onto pipe on 11-7 shift 5/19/98. Jane O'Connell (DEC) met on site at 09:00 5/18/98. Before cleanup is complete sheeting will need to be pulled and inspection made. She will make inspection on 5/21 with Con Edison remediation representative. Barrel installation completed 07:00 5/19. Freezes released and flushing complete at 07:00 5/20.

Rainey potheads, cooling plant and joint in MH64802 bled at 12:00 - normal pressure requested. TO signed off at 00:45 hrs on 5/21/98. Meeting on 5/21 with Jane O'Connell (DEC) on location while sheeting was removed. Additional soil was removed, absorbents in sewers were replaced and permission was given to backfill excavation. Restoration completed 5/26/98. Clean

Ventures and MEG removed 6400 gallons of oil/water and 187 cubic yards of contaminated material. On 5/26 Clean Ventures replaced sorbents in sewers - removed 2 drums of material for disposal. On 6/2 Clean Ventures replaced sobents in sewers again.

DEC Responder notes:

2/8/99: Spill Closure Request and MEG report submitted. (JHO)

11/1/02: NFA letter sent to Con Ed (see file for copy). (JHO)

**Map Identification Number 163** **TRANSMISSION MANHOLE 71303** **Spill Number: 1011703** **Close Date: 04/19/2011**  
 **MEEKER AND RICHARDSON ST** **QUEENS, NY** **TT-Id: 520A-0265-108**

**MAP LOCATION INFORMATION**  
 Site location mapped by: **MANUAL MAPPING (4)**  
 Approximate distance from property: **1815 feet to the ENE**

**ADDRESS CHANGE INFORMATION**  
 Revised street: **MEEKER AVE / RICHARDSON ST**  
 Revised zip code: **11222**

Source of Spill: **COMMERCIAL/INDUSTRIAL** Spiller:  
 Notifier Type: **Responsible Party** Notifier Name:  
 Caller Name: Caller Agency: Spiller Phone:  
 DEC Investigator: **RWAUSTIN** Contact for more spill info: **ERT** Notifier Phone:  
 Caller Phone:  
 Contact Person Phone: **(212) 580-8383**

Category: **Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.**  
 Class: **Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency**

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|------------|---------------------|----------------|-------------------------|---------------------|
| 02/23/2011 |                     | UNKNOWN        | NO                      | NO                  |

| Material Spilled | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| DIELECTRIC FLUID | PETROLEUM      | 31.00            | GALLONS | 0.00               | GALLONS |                      |

OTHER PETROLEUM 0 UNKNOWN 0 UNKNOWN

Caller Remarks:

water and fluid mix in transmission manhole, investigation ongoing. clean up complete

DEC Investigator Remarks:

4/19/11 - Austin - 31 gals. cable oil found on 800 gals. water in vault - Source not found - Con Ed contained and cleaned up the spill - see eDocs files for more details - spill closed - end

Map Identification Number 164

MH4940

LORIMER ST/DEVOE ST

BROOKLYN, NY

Spill Number: 0006690

Close Date: 11/26/2001

TT-Id: 520A-0038-743

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 1822 feet to the SE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: UNKNOWN  
 Notifier Type: Affected Persons  
 Caller Name: MARK SCHLAGEL  
 DEC Investigator: JHOCONNE

Spiller: UNKNOWN  
 Notifier Name: MR ZAMBRIO  
 Caller Agency: CON EDISON  
 Contact for more spill info: CALLER

Spiller Phone:  
 Notifier Phone:  
 Caller Phone: (212) 580-6763  
 Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|------------|---------------------|----------------|-------------------------|---------------------|
| 09/06/2000 |                     | UNKNOWN        | NO                      | NO                  |

| Material Spilled  | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|-------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| UNKNOWN PETROLEUM | PETROLEUM      | 1.00             | GALLONS | 0.00               | GALLONS | SOIL                 |

Caller Remarks:

300 gals water in mh. no sewers or waterways

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "O'CONNELL"  
 Con Ed e2mis #133224 Notes:

9-6-00 1pt unknown oil on 300gal water in amnhole. Only oil filled equipment in hole is cable. Liquid sample taken returned <1ppm PCB.

12-20-00 Flush employee reports cleanup complete, no sump in structure. Cleanup completed by double washing with slix. Liquids removed by tanker, solids by vactor. No leaking equipment.

|                                                                                  |                              |                                   |                                      |                               |
|----------------------------------------------------------------------------------|------------------------------|-----------------------------------|--------------------------------------|-------------------------------|
| <b>Map Identification Number 165</b>                                             | <b>CONSTRUCITON SITE</b>     |                                   | <b>Spill Number: 0803822</b>         | <b>Close Date: 07/02/2008</b> |
|  | 40 BERRY STREET              | BROOKLYN, NY                      |                                      | TT-Id: 520A-0220-362          |
| <b>MAP LOCATION INFORMATION</b>                                                  |                              | <b>ADDRESS CHANGE INFORMATION</b> |                                      |                               |
| Site location mapped by: MANUAL MAPPING (3)                                      |                              | Revised street: NO CHANGE         |                                      |                               |
| Approximate distance from property: 1823 feet to the NW                          |                              | Revised zip code: NO CHANGE       |                                      |                               |
| Source of Spill: UNKNOWN                                                         |                              | Spiller: CONSTRUCITON SITE        | Spiller Phone:                       |                               |
| Notifier Type: Other                                                             |                              | Notifier Name:                    | Notifier Phone:                      |                               |
| Caller Name:                                                                     |                              | Caller Agency:                    | Caller Phone:                        |                               |
| DEC Investigator: smsanges                                                       | Contact for more spill info: | SEAN DONOHUHE                     | Contact Person Phone: (718) 595-5000 |                               |

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.  
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

| Spill Date        | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|-------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 07/01/2008        |                     | UNKNOWN          | NO                      |                    | NO                  |                      |
| Material Spilled  | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| UNKNOWN PETROLEUM | PETROLEUM           | 0                | GALLONS                 | 0                  | GALLONS             | SOIL                 |

Caller Remarks:  
 ORIGINAL CALLER STATES THERE WAS AN OIL SPILL THAT WAS COVERED OVER WITH CEMENT; NO CLEAN UP;

DEC Investigator Remarks:  
 Annonymous call through city DEP.  
 Site has an existing spill case which is managed by DEC Ketani

**Map Identification Number 166**  **34-42 BERRY ST**  
 40 BERRY STREET  
 A/K/A 34 BERRY ST

BROOKLYN, NY

**Spill Number: 0803286**

**Close Date: 06/19/2008**  
 TT-Id: 520A-0215-950

**MAP LOCATION INFORMATION**

Site location mapped by: MANUAL MAPPING (3)  
 Approximate distance from property: 1823 feet to the NW

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL  
 Notifier Type: Responsible Party  
 Caller Name:  
 DEC Investigator: rvketani

Spiller: SHAWN DONOHUE  
 Notifier Name:  
 Caller Agency:  
 Contact for more spill info: SHAWN DONOHUE

Spiller Phone:  
 Notifier Phone:  
 Caller Phone:  
 Contact Person Phone: (718) 595-5000

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.  
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|------------|---------------------|----------------|-------------------------|---------------------|
| 06/19/2008 |                     | OTHER          | NO                      | NO                  |

| Material Spilled  | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|-------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| UNKNOWN PETROLEUM | PETROLEUM      | 0                | GALLONS | 0                  | GALLONS | SOIL                 |

Caller Remarks:

CONSTRUCTION CREW STRUCK OIL AND BUBBLING UP FROM GROUND , NO FURTHER INFO

DEC Investigator Remarks:

3/19/08 - Steve Sangesland. New spill number for a new incident at a long term cleanup site.

3/19/08 - Raphael Ketani. Allegedly, a construction crew hit oil and it was bubbling up from the ground. I called Tony Kloss of Impact Environmental Remediation (908) 534-8820 and asked him why he had oil coming out of the ground. I asked him whether the crew hit another fuel tank (see the associated spill case #0712424 with 10 tanks), or whether the crew hit a pipe.

Mr. Kloss said that it was nothing like that. He said that he talked to his crew and the consultants on site about this. He added that a coffer dam was constructed on the site and a guzzler truck is collecting oil contaminated water from inside the dam, that's all.

As the spill site is already being managed through the earlier case #0712424, and as a complete removal of all contaminated soils and all tanks is presently underway at the site, and as the contaminated water is being collected, I am referring this case to

the earlier one and closing the spill case.

**Map Identification Number 167** **CONSTRUCTION SITE**  
 351 MANHATTAN AVE

BROOKLYN, NY

**Spill Number: 0602810**

**Close Date: 06/13/2006**  
 TT-Id: 520A-0048-941

**MAP LOCATION INFORMATION**

Site location mapped by: PARCEL MAPPING (2)  
 Approximate distance from property: 1836 feet to the ESE

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER  
 Notifier Type: Other  
 Caller Name:  
 DEC Investigator: rvketani

Spiller: ARDIAN PISTOLI  
 Notifier Name:  
 Caller Agency:  
 Contact for more spill info: ARDIAN PISTOLI

Spiller Phone: (516) 505-2700  
 Notifier Phone:  
 Caller Phone:  
 Contact Person Phone: (516) 505-2700

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|------------|---------------------|----------------|-------------------------|---------------------|
| 06/13/2006 |                     | OTHER          | NO                      | NO                  |

| Material Spilled | Material Class | Quantity Spilled |         | Quantity Recovered |         | Resource(s) Affected |
|------------------|----------------|------------------|---------|--------------------|---------|----------------------|
|                  |                | Units            |         | Units              |         |                      |
| #2 FUEL OIL      | PETROLEUM      | 0                | GALLONS | 0                  | GALLONS | SOIL                 |

**Caller Remarks:**

FOUND CONTAMINATED SOIL AT THIS LOCATION WHILE DIGGING:

**DEC Investigator Remarks:**

6/13/06 - Raphael Ketani. Spill called in by consultant, Yesh Saha of Hydro Tech (718) 636-0800. Owner is Corcom Construction, 327 Hempstead Avenue, West Hempstead, NY 11552. Two 275 gal. tanks were discovered on site. The tanks were removed. Five soil samples were taken in the area where the tanks were. Results came back with only a few hits for all 5 samples. Based upon the 15 FAXed pages of analytical results (the last 3 pages were just chain of custody), I am closing the case.

**Map Identification Number 168** **CONSTRUCTION SITE**  
 14 HOPE ST

BROOKLYN, NY

**Spill Number: 0707011**

**Close Date: 09/26/2007**  
 TT-Id: 520A-0037-691

**MAP LOCATION INFORMATION**

Site location mapped by: PARCEL MAPPING (2)  
 Approximate distance from property: 1846 feet to the SW

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER  
 Notifier Type: Other  
 Caller Name:  
 DEC Investigator: jbvought

Spiller: FIRE DEPT DISPATCH  
 Notifier Name:  
 Caller Agency:  
 Contact for more spill info: FIRE DEPT DISPATCH

Spiller Phone: (718) 965-8300  
 Notifier Phone:  
 Caller Phone:  
 Contact Person Phone: (718) 965-8300

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.  
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |  | Penalty Recommended |  |
|------------|---------------------|----------------|-------------------------|--|---------------------|--|
| 09/25/2007 |                     | UNKNOWN        | NO                      |  | NO                  |  |

| Material Spilled | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| GASOLINE         | PETROLEUM      | 0                | GALLONS | 0                  | GALLONS | SOIL                 |

**Caller Remarks:**

**DURING SOIL SAMPLES FOUND GASOLINE LEAK**

**DEC Investigator Remarks:**

Smell complaint from resident at 28 Hope St.  
 14 Hope had a former spill case that was closed out. New excavation work being done at the site has identified a continuing problem. Old case will now be reopened.

09/26/07-Vought-This spill closed and referred to reopened spill #0611654 which was formerly managed by DEC Rahman.

**Map Identification Number 169** **TEN GAL OIL IN SERVICE BOX #23546**  
 239 BEDFORD AVENUE

BROOKLYN, NY

**Spill Number: 0703005**

**Close Date: 07/23/2007**  
 TT-Id: 520A-0038-140

**MAP LOCATION INFORMATION**

Site location mapped by: MANUAL MAPPING (3)  
 Approximate distance from property: 1862 feet to the WSW

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER  
 Notifier Type: Responsible Party  
 Caller Name:  
 DEC Investigator: gdbreen

Spiller: ERTSDESK - CON EDISON SB #23546  
 Notifier Name:  
 Caller Agency:  
 Contact for more spill info: ERTSDESK

Spiller Phone: (212) 580-8383  
 Notifier Phone:  
 Caller Phone:  
 Contact Person Phone: (212) 580-8383

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.  
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |  | Penalty Recommended |  |
|------------|---------------------|----------------|-------------------------|--|---------------------|--|
| 06/13/2007 |                     | UNKNOWN        | NO                      |  | NO                  |  |

| Material Spilled  | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|-------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| UNKNOWN PETROLEUM | PETROLEUM      | 10.00            | GALLONS | 0.00               | GALLONS | SOIL                 |

**Caller Remarks:**

samples being taken at this time: coned # 206406

**DEC Investigator Remarks:**

07/23/07 - See eDocs for Con Ed report detailing cleanup and closure.

206406. see eDocs

**Map Identification Number 170** **MANHOLE 149**  
 AINSLIE ST & UNION AVE

BROOKLYN, NY

**Spill Number: 0104301**

**Close Date: 08/23/2001**  
 TT-Id: 520A-0038-906

**MAP LOCATION INFORMATION**

Site location mapped by: ADDRESS MATCHING  
 Approximate distance from property: 1877 feet to the SSE

**ADDRESS CHANGE INFORMATION**

Revised street: AINSLIE ST / UNION AVE  
 Revised zip code: NO CHANGE

|                                        |                                          |                                      |
|----------------------------------------|------------------------------------------|--------------------------------------|
| Source of Spill: COMMERCIAL/INDUSTRIAL | Spiller:                                 | Spiller Phone:                       |
| Notifier Type: Affected Persons        | Notifier Name: BILL MURPHY               | Notifier Phone: (212) 580-6763       |
| Caller Name: BILL MURPHY               | Caller Agency: CON ED                    | Caller Phone: (212) 580-6763         |
| DEC Investigator: AERODRIG             | Contact for more spill info: BILL MURPHY | Contact Person Phone: (212) 580-6763 |

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |  | Penalty Recommended |  |
|------------|---------------------|----------------|-------------------------|--|---------------------|--|
| 07/22/2001 |                     | UNKNOWN        | NO                      |  | NO                  |  |

| Material Spilled  | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|-------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| UNKNOWN PETROLEUM | PETROLEUM      | 1.00             | GALLONS | 0.00               | GALLONS | SOIL                 |

Caller Remarks:

1 qt unk oil on 100 gals water in manhole

sample taken - <1 ppm pcb

spill originally classified as a 24 hour diminimus - at 12-30 this date determined spill would not be cleaned in 24 ours due to construction and heavy traffic. 138383

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "RODRIGUEZ"  
CON ED E2MIS REPORT 7-22-01

1qt. of unknown oil on 100gals. of water in MH-149. No fire/smoke,no private property,sewer or waterway affected. Contained to structure. There is a dielectric filled Feeder in structure. One sample taken on 4-6hr. priority. Env. tag hung and an over 50 tanker ordered for cleanup. Incident will be on a 24hr. deminimus program.

2000hrs.

All liquids were removed. Hot zone set up and structure made workable for Underground and FOD.

7-23-01 12:30hrs.

Cleanup will not be completed within 24hrs due to construction and heavy traffic. Incident type changed from Deminimus, will notify CIG

Cleanup completed as of 2215hrs. Structure double washed with slix. No sump in structure, no leaking company equipment. Tag removed, clenaup completed.

**Map Identification Number 171** **APPEARS THAT 20 GAL COOKING OIL** **Spill Number: 0706573** **Close Date: 11/08/2007**  
 **LEONARD ST & METROPOLITAN AVE** **BROOKLYN, NY** **TT-Id: 520A-0037-468**  
**WAS DUMPED INTO XFMR VAULT.**

**MAP LOCATION INFORMATION**

Site location mapped by: ADDRESS MATCHING  
 Approximate distance from property: 1882 feet to the SE

**ADDRESS CHANGE INFORMATION**

Revised street: LEONARD ST / METROPOLITAN AVE  
 Revised zip code: NO CHANGE

Source of Spill: UNKNOWN Spiller: CON EDISON Spiller Phone:  
 Notifier Type: Other Notifier Name: Notifier Phone:  
 Caller Name: Caller Agency: Caller Phone:  
 DEC Investigator: gdbreen Contact for more spill info: ERTSDESK Contact Person Phone: (212) 580-8383

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|------------|---------------------|----------------|-------------------------|---------------------|
| 09/12/2007 |                     | UNKNOWN        | NO                      | NO                  |

| Material Spilled | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| UNKNOWN MATERIAL | OTHER          | 20.00            | GALLONS | 0.00               | GALLONS | SOIL                 |

**Caller Remarks:**

unknown oil down a vault; con ed reference # 208003

**DEC Investigator Remarks:**

11/08/07 - See eDocs for Con Ed report detailing cleanup and closure.

208003. see eDocs

**Map Identification Number 172** **93 NORTH 9TH ST**  
 93 NORTH 9TH STREET

BROOKLYN, NY

**Spill Number: 0103335**

**Close Date: 10/31/2005**  
 TT-Id: 520A-0051-122

**MAP LOCATION INFORMATION**

Site location mapped by: MANUAL MAPPING (3)  
 Approximate distance from property: 1886 feet to the NW

**ADDRESS CHANGE INFORMATION**

Revised street: 93 NORTH 9TH ST  
 Revised zip code: NO CHANGE

Source of Spill: UNKNOWN  
 Notifier Type: Federal Government  
 Caller Name: JOHN ULSHOEFER  
 DEC Investigator: Unassigned

Spiller: UNKNOWN - UNKNOWN  
 Notifier Name: ANONYMOUS  
 Caller Agency: US EPA  
 Contact for more spill info: UNK

Spiller Phone:  
 Notifier Phone:  
 Caller Phone: (732) 321-6620  
 Contact Person Phone: (000) 000-0000 ext. 0

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.  
 Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|------------|---------------------|----------------|-------------------------|---------------------|
| 06/26/2001 |                     | UNKNOWN        | NO                      | NO                  |

| Material Spilled | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| #2 FUEL OIL      | PETROLEUM      | 0                | GALLONS | 0                  | GALLONS | SOIL                 |

**Caller Remarks:**

anonymous caller reported tanks being removed and tanks are leaking

**DEC Investigator Remarks:**

On July 10, 2001, RGM Liquid Waste Removal provides NYSDEC with end-point sample results collected on July 3, 2001.

07/11/2001, nysdec notes that the "TANK PULLED,SOIL EXCAVATED AND STOCKPILED WAITING FOR DISPOSAL. END POINT SAMPLES TAKEN."

9/2/03 TIPPLE SENT REQUEST FOR DOCUMENTATION.

On September 26, 2003, American Environmental Assessment Corporation provided notarized documentation that the tank was properly removed from the site on July 13, 2001.

On November 24, 2003, NYSDEC was provided documentation of two Non-hazardous Material Manifests for the disposal of petroleum-contaminated soil dated July 13, 2005.

Also, on November 24, 2003, NYSDEC was provided documentation of six soil sample analyses from the sides of the tank pit and the

bottom of the pit, dated July 3, 2001. The samples were analyzed for STARS 8021 and 8270 and are acceptable for closing (per TAGM 4046) Spill No.0103335.

**Map Identification Number 173** **COMMERCIAL PROPERTY**  
 120 NEWTON AVENUE

BROOKLYN, NY **Spill Number: 0408368** **Close Date: 07/25/2005**  
 TT-Id: 520A-0044-682

**MAP LOCATION INFORMATION**  
 Site location mapped by: PARCEL MAPPING (2)  
 Approximate distance from property: 1900 feet to the ENE

**ADDRESS CHANGE INFORMATION**  
 Revised street: 120 NEWTON ST  
 Revised zip code: NO CHANGE

|                                                  |                                                       |                                      |
|--------------------------------------------------|-------------------------------------------------------|--------------------------------------|
| Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER | Spiller: MR. ANTHONY GERENIO - 120 NEWTON STREET, LLC | Spiller Phone: (718) 641-1098        |
| Notifier Type: Other                             | Notifier Name: ROMEO SANTOS                           | Notifier Phone: (718) 857-3100       |
| Caller Name: ROMEO SANTOS                        | Caller Agency: DON CARLO ENVIRONMENTAL S              | Caller Phone: (718) 857-3100         |
| DEC Investigator: JMKRIMGO                       | Contact for more spill info: MR. ANTHONY GERENIO      | Contact Person Phone: (718) 641-1098 |

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.  
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

| Spill Date        | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|-------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 10/29/2004        |                     | OTHER            | YES                     |                    | NO                  |                      |
| Material Spilled  | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| UNKNOWN PETROLEUM | PETROLEUM           | 0                | GALLONS                 | 0                  | GALLONS             | GROUNDWATER          |

**Caller Remarks:**

during excavating found unknown petro. strong odor of petro; had a previous spill in 1998:

**DEC Investigator Remarks:**

11/01/04. J.Krimgold spoke to Mr. Romeo Santos (a consultant for the owner). They were called to do phase 1 and 2 site assessment. While excavating a test pit a UST filled with water and dark contaminated soil was found. Also noted a strong sulfuric or methane odor. They took a sample for ID from UST and will analyze soil to ID contamination. Will get back with results on 11/5/04.

03/08/05. J.Krimgold spoke to Danny Singh (718-857-3100) from Don Carlo Env. Serv. Inc. 1,500 tons of contaminated soil was excavated. The size of excavation is ~70x40' to a depth of GW at ~ 11'. They are prePairing a Work Plan to fully investigate (deliniate) area of contamination. Should be ready in 2 weeks. Report also will be send to DEP for rezoning.

7/25/05. J.Krimgold reviewed the Pase II Investigation Report submitted on June 2, 2005 by Don Carlo Env. Services, Inc. (718-857-3100). 1523 tons of contaminated soil were removed and disposed of. Post excavation soil and groundwater sampling did not show contaminant levels above TAGM. NFA letter.

**Map Identification Number 174** **LIKA RESIDENCE** **Spill Number: 0700853** **Close Date: 10/23/2009**  
 114 NORTH 7TH STREET BROOKLYN, NY TT-Id: 520A-0051-093

**MAP LOCATION INFORMATION**

Site location mapped by: MANUAL MAPPING (3)  
 Approximate distance from property: 1906 feet to the WNW

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING Spiller: BILL LIKA - LIKA RESIDENCE Spiller Phone: (917) 519-1094  
 Notifier Type: Local Agency Notifier Name:  
 Caller Name: Caller Agency: Notifier Phone:  
 DEC Investigator: rmpiper Contact for more spill info: BILL LIKA Caller Phone:  
 Contact Person Phone: (917) 519-1094

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|------------|---------------------|----------------|-------------------------|---------------------|
| 04/20/2007 |                     | OTHER          | NO                      | NO                  |

| Material Spilled  | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|-------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| UNKNOWN PETROLEUM | PETROLEUM      | 0                | GALLONS | 0                  | GALLONS | SOIL                 |

**Caller Remarks:**

FILL MATERIAL THAT WAS BROUGHT TO SITE FOLLOWING DEMOLITION, SUMMER OF 06, SUBSURFACE INVESTIGATION AS PART OF NYC DEP LITTLE E COMPLIANCE: LOW LEVELS OF SEMI-VOLATILES AND METALS ABOVE TAGM:

**DEC Investigator Remarks:**

report will send report shortly.

7/9/07- DECP iper recieved and reviewed RAP. As per RAP, a new building will go up. The siute is e- designated. The plan calls for soil removal and a new foundation. Soils will be disposed of properly. The RAP is in order though where the prior fill material came from is unknown.

A subsurface investigation was conducted in the spring of 2007. The site was formerly residential and supplied by gas. GPR survey found no anomalies. Soil testing found elevated level of zinc over Eastern Background levels and minor exceedances in SVOC's potentially related to historic urban fill or recent fill material. Groundwater sample showed no elevated levels. Based on investigation and only one exceedance. This spill closed. NFA granted. Site to be excavated approx 15 bgs for ne foundation. See e-docs if warranted.

|                                                                                  |                                         |                                      |                              |                               |
|----------------------------------------------------------------------------------|-----------------------------------------|--------------------------------------|------------------------------|-------------------------------|
| <b>Map Identification Number 175</b>                                             | <b>CONSTRUCTION SITE</b>                |                                      | <b>Spill Number: 0401691</b> | <b>Close Date: 07/11/2005</b> |
|  | 474 LEONARD STREET                      | BROOKLYN, NY                         |                              | TT-Id: 520A-0040-516          |
| <b>MAP LOCATION INFORMATION</b>                                                  |                                         | <b>ADDRESS CHANGE INFORMATION</b>    |                              |                               |
| Site location mapped by: PARCEL MAPPING (2)                                      |                                         | Revised street: NO CHANGE            |                              |                               |
| Approximate distance from property: 1917 feet to the NE                          |                                         | Revised zip code: NO CHANGE          |                              |                               |
| Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER                                 | Spiller: ROLPH CARL - MANHATTEN AVE/    | Spiller Phone: (718) 383-7489        |                              |                               |
| Notifier Type: Citizen                                                           | Notifier Name: ROLPH CARL               | Notifier Phone: (718) 383-7489       |                              |                               |
| Caller Name: ROLPH CARL                                                          | Caller Agency: CITIZEN                  | Caller Phone: (718) 383-7489         |                              |                               |
| DEC Investigator: JMKRIMGO                                                       | Contact for more spill info: ROLPH CARL | Contact Person Phone: (718) 383-7489 |                              |                               |

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.  
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |  | Penalty Recommended |  |
|------------|---------------------|----------------|-------------------------|--|---------------------|--|
| 05/14/2004 |                     | OTHER          | YES                     |  | NO                  |  |

| Material Spilled  | Material Class | Quantity Spilled | Units  | Quantity Recovered | Units  | Resource(s) Affected |
|-------------------|----------------|------------------|--------|--------------------|--------|----------------------|
| UNKNOWN PETROLEUM | PETROLEUM      | 0                | POUNDS | 0                  | POUNDS | GROUNDWATER          |

Caller Remarks:

LOT & BLOCK IS 2698 & 1: DIGGING AT THIS SITE AND CALLER STATES, THAT DARK, OILY SMELLING, THICK SUBSATNCE IS THERE AND IS CONCERNED, CLOSE TO A PARK:

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "SAWYER"  
 Citizen gave a contact telephone number that was on a sign at the site: 718-641-1098. Sangesland called this number and spoke to a woman who said she was the managing agent for the site. She was given the DEC Hotline number and told to call in and to provide all of the contact info for the property owner and environmental company who is on line to do the work.

5/19/2004 Sangesland received a call from Bazel Sagos of Riverkeepers (845-424-4149 ext.230) He asked for a status update on the site and wanted to know what work was going to be required by the property developer to clean the site.

5/20/04 - Sawyer - Responded to the site on 5/19 and met Mr. John Sindone who works for the owner. We walked all over the excavation and did not find any indication of contamination. I looked at the phase one and II for the site done by Don Carlo Environmental and checked with PTC who had pumped out water from in the excavation. PTC said they remove 800 gallons of 95% water from the pit on the 5/17, the rest was soil and an oil sheen.

6/09/04 - Sawyer - Received copies of the Phase I & II as well as the tank closure report for the above property. There is no indication of finally removing elevated levels of semi volatiles that came back high with from pseudo endpoint samples. I called up Danny from Don Carlo and I am having him get me 1) Clean end point Samples, 2) Information on disposal of dirt from site, and 3) Groundwater samples to make sure of water quality there.

7/11/05. J.Krimgold reviewed the Subsurface Remediation Report submitted by Don Carlo Environmental Services, Inc on June 2, 2005. According to the report remediation of this site has been completed. Post excavation end-point samples bellow TAGM levels. NFA letter.

**Map Identification Number 176**      **210109; KEAP ST**      **Spill Number: 0890374**      **Close Date: 03/05/2008**  
      KEAP ST      , NY      TT-Id: 520A-0218-686  
 M140 S/W/C KEAP ST & HOPE ST

**MAP LOCATION INFORMATION**

Site location mapped by: ADDRESS MATCHING  
 Approximate distance from property: 1943 feet to the S

**ADDRESS CHANGE INFORMATION**

Revised street: KEAP ST / HOPE ST  
 Revised zip code: 11211

Source of Spill: COMMERCIAL/INDUSTRIAL      Spiller: ERT DESK - CON EDISON      Spiller Phone:  
 Notifier Type: Responsible Party      Notifier Name:      Notifier Phone:  
 Caller Name:      Caller Agency:      Caller Phone:  
 DEC Investigator: Unassigned      Contact for more spill info: ERT DESK      Contact Person Phone: (212) 580-8383

Category: Possible petroleum release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters, known releases with no potential for damage, or non-petroleum/non-hazardous spills.  
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

| Spill Date        | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|-------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 03/02/2008        |                     | UNKNOWN          | NO                      |                    | NO                  |                      |
| Material Spilled  | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| UNKNOWN PETROLEUM | PETROLEUM           | 2.00             | GALLONS                 | 0.00               | GALLONS             | UTILITY              |

Caller Remarks:

M140 FOUND APPROX 2 GAL OF AN UNKNOWN OIL ON 500 GAL OF WATER.  
 Closed: Agency Approval Not Required

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

|                                      |                                                                     |                              |                                                       |
|--------------------------------------|---------------------------------------------------------------------|------------------------------|-------------------------------------------------------|
| <b>Map Identification Number</b> 177 | <b>206821; KEAP ST</b><br>KEAP ST<br>M140 - S/W/C KEAP ST & HOPE ST | <b>Spill Number:</b> 0890125 | <b>Close Date:</b> 01/30/2008<br>TT-Id: 520A-0218-687 |
|--------------------------------------|---------------------------------------------------------------------|------------------------------|-------------------------------------------------------|

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING  
 Approximate distance from property: 1943 feet to the S

ADDRESS CHANGE INFORMATION

Revised street: KEAP ST / HOPE ST  
 Revised zip code: 11211

|                                        |                                       |                                      |
|----------------------------------------|---------------------------------------|--------------------------------------|
| Source of Spill: COMMERCIAL/INDUSTRIAL | Spiller: ERT DESK - CON EDISON        | Spiller Phone:                       |
| Notifier Type: Responsible Party       | Notifier Name:                        | Notifier Phone:                      |
| Caller Name:                           | Caller Agency:                        | Caller Phone:                        |
| DEC Investigator: Unassigned           | Contact for more spill info: ERT DESK | Contact Person Phone: (212) 580-8383 |

Category: Possible petroleum release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters, known releases with no potential for damage, or non-petroleum/non-hazardous spills.  
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|------------|---------------------|----------------|-------------------------|---------------------|
| 07/05/2007 |                     | UNKNOWN        | NO                      | NO                  |

| Material Spilled  | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|-------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| UNKNOWN PETROLEUM | PETROLEUM      | 0.50             | GALLONS | 0.00               | GALLONS | UTILITY              |

Caller Remarks:

M140 - FOUND APPROX 2 QTS OF AN UNKNOWN OIL ON CONCRETE FLOOR  
 Closed: Agency Approval Not Required

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

**Map Identification Number 178**



HOPE ST & KEAP ST

BROOKLYN, NY

**Spill Number: 0002744**

**Close Date: 06/05/2000**

TT-Id: 520A-0038-676

**MAP LOCATION INFORMATION**

Site location mapped by: ADDRESS MATCHING  
 Approximate distance from property: 1943 feet to the S

**ADDRESS CHANGE INFORMATION**

Revised street: HOPE ST / KEAP ST  
 Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL VEHICLE  
 Notifier Type: Citizen  
 Caller Name: DAVID ROSEN  
 DEC Investigator: JMKRIMGO

Spiller: VISION TRANSPORT INC  
 Notifier Name: DAVID ROSEN  
 Caller Agency:  
 Contact for more spill info: CALLER

Spiller Phone:  
 Notifier Phone: (718) 599-2021  
 Caller Phone: (718) 599-2021  
 Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.  
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |  | Penalty Recommended |  |
|------------|---------------------|----------------|-------------------------|--|---------------------|--|
| 06/04/2000 |                     | OTHER          | NO                      |  | NO                  |  |

| Material Spilled | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| UNKNOWN MATERIAL | OTHER          | 0                | GALLONS | 0                  | GALLONS | SOIL                 |

**Caller Remarks:**

citizen complaint about a garbage truck parked in a residential neighborhood emitting foul smelling odors and allegedly leaking unk material from the vehicle

**DEC Investigator Remarks:**

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "KRIMGOLD"

**Map Identification Number 179** **MANHOLE 4379** **Spill Number: 9911825** **Close Date: 03/04/2002**  
 **DRIGGS AVE&MANHATTAN AVE** **BROOKLYN, NY** **TT-Id: 520A-0039-764**

**MAP LOCATION INFORMATION**

Site location mapped by: ADDRESS MATCHING  
 Approximate distance from property: 1961 feet to the NNE

**ADDRESS CHANGE INFORMATION**

Revised street: DRIGGS AVE/MANHATTAN AVE  
 Revised zip code: NO CHANGE

Source of Spill: UNKNOWN Spiller: UNKNOWN Spiller Phone:  
 Notifier Type: Affected Persons Notifier Name: Notifier Phone:  
 Caller Name: MARK SCHLAGEL Caller Agency: CON EDISON Caller Phone: (212) 580-6763  
 DEC Investigator: COMENALE Contact for more spill info: CALLER Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.  
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|------------|---------------------|----------------|-------------------------|---------------------|
| 01/11/2000 |                     | UNKNOWN        | NO                      | NO                  |

| Material Spilled  | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|-------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| UNKNOWN PETROLEUM | PETROLEUM      | 0                | GALLONS | 0                  | GALLONS | SOIL                 |

**Caller Remarks:**

caller reported undaiperable sheen on 600 gallons water. con ed #129558.

**DEC Investigator Remarks:** NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

**Map Identification Number 180** **\*\*DRILL\*\* TM 755 \*\*DRILL\*\*** **Spill Number: 0002248** **Close Date: 03/20/2008**  
 **\*\*DRILL\*\* DRIGGS AVE/MANHATTAN AV** **BROOKLYN, NY** **TT-Id: 520A-0038-670**

**MAP LOCATION INFORMATION**

Site location mapped by: ADDRESS MATCHING  
 Approximate distance from property: 1961 feet to the NNE

**ADDRESS CHANGE INFORMATION**

Revised street: DRIGGS AVE/MANHATTAN AV  
 Revised zip code: NO CHANGE

|                                 |                              |                                |
|---------------------------------|------------------------------|--------------------------------|
| Source of Spill: UNKNOWN        | Spiller: UNKNOWN             | Spiller Phone:                 |
| Notifier Type: Affected Persons | Notifier Name: MR ZAMBRIO    | Notifier Phone: (212) 580-6763 |
| Caller Name: MARK SCHLEGEL      | Caller Agency: CON ED        | Caller Phone: (212) 580-6763   |
| DEC Investigator: JHOCONNE      | Contact for more spill info: | Contact Person Phone:          |

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.  
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |  | Penalty Recommended |  |
|------------|---------------------|----------------|-------------------------|--|---------------------|--|
| 05/23/2000 |                     | UNKNOWN        | NO                      |  | NO                  |  |

| Material Spilled  | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|-------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| UNKNOWN PETROLEUM | PETROLEUM      | 0                | GALLONS | 0                  | GALLONS | SOIL                 |

Caller Remarks:

found sheen on 200 gals water -- sample taken - clean up pending results -- con ed 131538 .

DEC Investigator Remarks:

03/20/08 - See eDocs for Con Ed report detailing cleanup and closure.

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "O'CONNELL"

|                                                                                    |                                              |                              |                               |
|------------------------------------------------------------------------------------|----------------------------------------------|------------------------------|-------------------------------|
| <b>Map Identification Number 181</b>                                               | <b>THIRTY GAL UNKNOWN LIQUID IN MH 12081</b> | <b>Spill Number: 0803056</b> | <b>Close Date: 08/05/2008</b> |
|  | BERRY STREET & 5 STREET                      | BROOKLYN, NY                 | TT-Id: 520A-0257-246          |

MAP LOCATION INFORMATION  
 Site location mapped by: ADDRESS MATCHING  
 Approximate distance from property: 1971 feet to the W

ADDRESS CHANGE INFORMATION  
 Revised street: BERRY ST / N 5TH ST  
 Revised zip code: 11211

|                                  |                                       |                                      |
|----------------------------------|---------------------------------------|--------------------------------------|
| Source of Spill: UNKNOWN         | Spiller: CON EDISON                   | Spiller Phone:                       |
| Notifier Type: Responsible Party | Notifier Name:                        | Notifier Phone:                      |
| Caller Name:                     | Caller Agency:                        | Caller Phone:                        |
| DEC Investigator: gdbreen        | Contact for more spill info: ERT DEST | Contact Person Phone: (212) 580-8383 |

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.  
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |  | Penalty Recommended |  |
|------------|---------------------|----------------|-------------------------|--|---------------------|--|
| 06/14/2008 |                     | UNKNOWN        | NO                      |  | NO                  |  |

| Material Spilled | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| LUBE OIL         | PETROLEUM      | 30.00            | GALLONS | 0.00               | GALLONS | SOIL                 |

Caller Remarks:

4 PPM PCB. Cleanup complete. 211925

DEC Investigator Remarks:

08/05/08 - See eDocs for Con Ed report detailing cleanup and closure.

211925. see eDocs

|                                                                                   |                                 |                                         |                              |                               |
|-----------------------------------------------------------------------------------|---------------------------------|-----------------------------------------|------------------------------|-------------------------------|
| <b>Map Identification Number 182</b>                                              | <b>GRAND &amp; HAVEMEYER ST</b> |                                         | <b>Spill Number: 9409087</b> | <b>Close Date: 10/07/1994</b> |
|  | GRAND & HAVEMEYER ST            | BROOKLYN, NY                            |                              | TT-Id: 520A-0042-805          |
| <b>MAP LOCATION INFORMATION</b>                                                   |                                 | <b>ADDRESS CHANGE INFORMATION</b>       |                              |                               |
| Site location mapped by: ADDRESS MATCHING                                         |                                 | Revised street: GRAND ST / HAVEMEYER ST |                              |                               |
| Approximate distance from property: 1977 feet to the SSW                          |                                 | Revised zip code: 11211                 |                              |                               |
| Source of Spill: TANK TRUCK                                                       |                                 | Spiller: T & T TRUCKING                 | Spiller Phone:               |                               |
| Notifier Type: Citizen                                                            |                                 | Notifier Name:                          | Notifier Phone:              |                               |
| Caller Name: ROBERT PARRIS                                                        |                                 | Caller Agency: CITIZEN                  | Caller Phone: (718) 384-1007 |                               |
| DEC Investigator: O'DOWD                                                          | Contact for more spill info:    |                                         | Contact Person Phone:        |                               |

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.  
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

| Spill Date        | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|-------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 10/07/1994        | 10/07/1994          | UNKNOWN          | UNKNOWN                 |                    | NO                  |                      |
| Material Spilled  | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| UNKNOWN PETROLEUM | PETROLEUM           | -1.00            | UNKNOWN                 | 0.00               | UNKNOWN             | SOIL                 |

Caller Remarks:

LEAKING OIL FROM TRUCK-10/07/94 2:10 P.M., WENT TO SITE-DID'T SEE TRUCK W/THAT LICENSE PLATE. SAW ANOTHER TRUCK, NO LEAKS, DIDN'T SEE ANYTHING, NO TRACES OF OIL. SIMILAR ID TAGS, WRONG LICENSE.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 183



MARCY AV NORTH OF GRAND S

BROOKLYN, NY

Spill Number: 9909597

Close Date: 01/03/2000

TT-Id: 520A-0050-033

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (4)  
 Approximate distance from property: 1978 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: MARCY AV  
 Revised zip code: 11211

Source of Spill: COMMERCIAL/INDUSTRIAL  
 Notifier Type: Responsible Party  
 Caller Name: STEVE ROMERO  
 DEC Investigator: CAENGELH

Spiller: CON EDISON  
 Notifier Name: MR. DELLACROCE  
 Caller Agency: CON EDISON  
 Contact for more spill info:

Spiller Phone: (212) 580-6765 ext. 3  
 Notifier Phone:  
 Caller Phone: (212) 580-6763  
 Contact Person Phone:

Category: Possible petroleum release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters, known releases with no potential for damage, or non-petroleum/non-hazardous spills.  
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

| Spill Date        | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|-------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 11/08/1999        |                     | UNKNOWN          | NO                      |                    | NO                  |                      |
| Material Spilled  | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| UNKNOWN PETROLEUM | PETROLEUM           | 1.00             | GALLONS                 | 1.00               | GALLONS             | SOIL                 |

Caller Remarks:

MANHOLE 59599. WEST SIDE OF MARCY AV 30 FEET NORTH OF GRAND ST. ONE QUART UNKNOWN OIL ON 100 GALLONS OF WATER. CONTAINED WITHIN MANHOLE. SAMPLES TAKEN. CLEAN UP PENDING TEST RESULTS. CON EDISON REFERECE NUMBER 128893.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "ENGELHARDT"

**Map Identification Number 184**

**MH 59599**

MARCY AVE AND GRAND ST

BROOKLYN, NY

**Spill Number: 9908492**

**Close Date: 02/21/2002**

TT-Id: 520A-0039-712

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 1978 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: MARCY AVE / GRAND ST

Revised zip code: NO CHANGE

Source of Spill: UNKNOWN  
 Notifier Type: Affected Persons  
 Caller Name: STEVEN CRIBBIN  
 DEC Investigator: COMENALE

Spiller: UNKNOWN  
 Notifier Name: MR DELACROSS  
 Caller Agency: CON ED  
 Contact for more spill info: CALLER

Spiller Phone:  
 Notifier Phone: (212) 580-6764  
 Caller Phone: (212) 580-8576  
 Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|------------|---------------------|----------------|-------------------------|---------------------|
| 10/13/1999 |                     | UNKNOWN        | NO                      | NO                  |

| Material Spilled  | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|-------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| UNKNOWN PETROLEUM | PETROLEUM      | 1.00             | GALLONS | 0.00               | GALLONS | SOIL                 |

Caller Remarks:

2 qts on 12 gals water contained samples taken clean up pending

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

**Map Identification Number 185**     **19 NASSAU AVE./CORNER OF**  
     19 NASSAU AVE

BROOKLYN, NY

**Spill Number: 8706359**

**Close Date: 10/26/1987**  
 TT-Id: 520A-0049-163

**MAP LOCATION INFORMATION**

Site location mapped by: MANUAL MAPPING (3)  
 Approximate distance from property: 1999 feet to the N

**ADDRESS CHANGE INFORMATION**

Revised street: 19 NASSAU AVE.  
 Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION  
 Notifier Type: Citizen  
 Caller Name:  
 DEC Investigator: UNASSIGNED

Spiller: TEXACO/594 JAM. AVE.REALT  
 Notifier Name:  
 Caller Agency:  
 Contact for more spill info:

Spiller Phone:  
 Notifier Phone:  
 Caller Phone:  
 Contact Person Phone:

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| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|------------|---------------------|----------------|-------------------------|---------------------|
| 10/26/1987 | 10/26/1987          | OTHER          | UNKNOWN                 | NO                  |

---

| Material Spilled | Material Class | Quantity Spilled | Units  | Quantity Recovered | Units  | Resource(s) Affected |
|------------------|----------------|------------------|--------|--------------------|--------|----------------------|
| GASOLINE         | PETROLEUM      | -1.00            | POUNDS | 0.00               | POUNDS | SOIL                 |

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**Caller Remarks:**

COMPLAINT OF PERIODIC FIRES OCCURRING AT GASOLINE TANK IN AN ABANDONED GAS STATION.

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**DEC Investigator Remarks:**

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was " "

**Map Identification Number 186**     **CHLORINE FACTORY**  
     126 NEWTON ST

BROOKLYN, NY

**Spill Number: 9809496**

**Close Date: 02/12/2003**  
 TT-Id: 520A-0049-637

**MAP LOCATION INFORMATION**

Site location mapped by: MANUAL MAPPING (3)  
 Approximate distance from property: 2000 feet to the ENE

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL Spiller: CHLORINE FACTORY Spiller Phone:  
 Notifier Type: Local Agency Notifier Name: STAN STETONBURG Notifier Phone: (718) 595-6777  
 Caller Name: OPERATOR 143 Caller Agency: DEP Caller Phone: (718) 595-6777  
 DEC Investigator: KGHale Contact for more spill info: Contact Person Phone:

Category: Possible petroleum release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters, known releases with no potential for damage, or non-petroleum/non-hazardous spills.  
 Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |  | Penalty Recommended |  |
|------------|---------------------|----------------|-------------------------|--|---------------------|--|
| 10/28/1998 |                     | UNKNOWN        | NO                      |  | NO                  |  |

| Material Spilled     | Material Class | Quantity Spilled |         | Quantity Recovered |         | Resource(s) Affected |
|----------------------|----------------|------------------|---------|--------------------|---------|----------------------|
|                      |                | Units            |         | Units              |         |                      |
| CALCIUM HYPOCHLORITE | OTHER          | 0                | GALLONS | 0                  | GALLONS | SOIL                 |
|                      | OTHER          | 0                | GALLONS | 0                  | GALLONS | SOIL                 |

Caller Remarks:

FIRE AT A CHLORINE FACTORY - FIRST REPORTED OEM LIMA 212-374-5500

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "HALE"  
 02/12/2003- Closed Due To The Nature / Extent Of The Spill Report.

**Map Identification Number 187** **BUILDING** **Spill Number: 0711821** **Close Date: 02/11/2008**  
 69 WYTHE AVE BROOKLYN, NY TT-Id: 520A-0215-846

MAP LOCATION INFORMATION  
 Site location mapped by: MANUAL MAPPING (3)  
 Approximate distance from property: 2008 feet to the NW

ADDRESS CHANGE INFORMATION  
 Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER Spiller: UNKNOWN Spiller Phone:  
 Notifier Type: Other Notifier Name: UNKNOWN Notifier Phone:  
 Caller Name: Caller Agency: PHILLIP ROLLER Caller Phone:  
 DEC Investigator: RMPIPER Contact for more spill info: Contact Person Phone: (917) 825-0857

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.  
 Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |  | Penalty Recommended |  |
|------------|---------------------|----------------|-------------------------|--|---------------------|--|
| 02/08/2008 |                     | UNKNOWN        | NO                      |  | NO                  |  |

| Material Spilled | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| NON PCB OIL      | PETROLEUM      | 0                | GALLONS | 0                  | GALLONS | SEWER                |

Caller Remarks:

black oil coming out of a building that is being renovated; not contained; went into a sewer; still on going; believes it is home heating oil

DEC Investigator Remarks:

DEC Piper responded to site though no oil leak was observed. Closed.

**Map Identification Number 188**      **GAS STATION**      **Spill Number: 0601565**      **Close Date: 05/12/2006**  
 116 CONSELYEA STREET      BROOKLYN, NY      TT-Id: 520A-0049-792

MAP LOCATION INFORMATION  
 Site location mapped by: MANUAL MAPPING (3)  
 Approximate distance from property: 2024 feet to the ESE

ADDRESS CHANGE INFORMATION  
 Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

|                                    |                                            |                                      |
|------------------------------------|--------------------------------------------|--------------------------------------|
| Source of Spill: PASSENGER VEHICLE | Spiller: PETER MESSINA - GAS STATION       | Spiller Phone: (718) 388-1620        |
| Notifier Type: Local Agency        | Notifier Name:                             | Notifier Phone:                      |
| Caller Name:                       | Caller Agency:                             | Caller Phone:                        |
| DEC Investigator: SMSANGES         | Contact for more spill info: PETER MESSINA | Contact Person Phone: (718) 388-1620 |

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.  
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |  | Penalty Recommended |  |
|------------|---------------------|----------------|-------------------------|--|---------------------|--|
| 05/11/2006 |                     | OTHER          | NO                      |  | NO                  |  |

| Material Spilled | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| GASOLINE         | PETROLEUM      | 0                | GALLONS | 0                  | GALLONS | SOIL                 |

Caller Remarks:

VACANT GAS STATION AND IT MAY BE LEAKING UNDER GROUND

DEC Investigator Remarks:

This is not a real spill.  
 The caller was asking a question, IF there was an open spill at this site.  
 He says it WAS a gas station over 20-30 years ago and now they're planning a new building on the site.  
 Sangesland looked up the site and found no spills and no PBS history.  
 IF tanks or contamination is found during the excavation for the new building, a spill case will then be opened.

**Map Identification Number 189** **BUILDING** **Spill Number: 0508322** **Close Date: 11/05/2008**  
 146 BERRY STREET BROOKLYN, NY TT-Id: 520A-0045-656

**MAP LOCATION INFORMATION** **ADDRESS CHANGE INFORMATION**  
 Site location mapped by: MANUAL MAPPING (3) Revised street: NO CHANGE  
 Approximate distance from property: 2032 feet to the W Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER Spiller: RACHEAL ATMAN - BUILDING Spiller Phone: (631) 462-5866  
 Notifier Type: Other Notifier Name: RACHEAL ATMAN Notifier Phone: (631) 462-5866  
 Caller Name: RACHEAL ATMAN Caller Agency: HYDRO TECH ENVIR Caller Phone: (631) 462-5866  
 DEC Investigator: JMKRIMGO Contact for more spill info: RACHEAL ATMAN Contact Person Phone: (631) 462-5866

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.  
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|------------|---------------------|----------------|-------------------------|---------------------|
| 10/12/2005 |                     | OTHER          | NO                      | NO                  |

| Material Spilled | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| DIESEL           | PETROLEUM      | 0                | GALLONS | 0                  | GALLONS | SOIL                 |

Caller Remarks:

DURING SOIL TESTING FOUND CONTAMINATION;

DEC Investigator Remarks:

Site was a 1 story industrial garage/warehouse building. In 2007 a 6 floor apartment building was built on the lot. Now known as 150 Berry St. Sangesland spoke to Racheal Atman at Hydrotech and she said that remediation work was performed at the building and she will look for the file and call DEC back.

11/5/2008. J.Krimgold reviewed a Tank Closure report submitted by Hydro Tech Environmental, Corp. dated July 3, 2008. Based on the report 2 USTs (550 and 5000 gal diesel) were removed. During removal no olfactory or visual signs of contamination were observed. End point samples also show no evidence of petroleum releases. NFA.

**Map Identification Number 190**      **2ND AVE SUBWAY- NYCT**      **Spill Number: 0307462**      **Close Date: 09/01/2005**  
      249 GRAND STREET      MANHATTAN, NY      TT-Id: 520A-0044-437

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)  
 Approximate distance from property: 2040 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

|                               |                                               |                                      |
|-------------------------------|-----------------------------------------------|--------------------------------------|
| Source of Spill: UNKNOWN      | Spiller: MTA PROJECT                          | Spiller Phone:                       |
| Notifier Type: Other          | Notifier Name: SAME                           | Notifier Phone:                      |
| Caller Name: SIRISH MUSTHYALA | Caller Agency: METCALF EMERY                  | Caller Phone: (908) 437-7089         |
| DEC Investigator: MCTIBBE     | Contact for more spill info: SIRISH MUSTHYALA | Contact Person Phone: (908) 437-7089 |

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|------------|---------------------|----------------|-------------------------|---------------------|
| 10/15/2003 |                     | OTHER          | NO                      | NO                  |

| Material Spilled | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| #2 FUEL OIL      | PETROLEUM      | 0                | GALLONS | 0                  | GALLONS | SOIL                 |

Caller Remarks: NO REMARKS GIVEN FOR THIS SPILL

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TIBBE"

09/01/05: Elevated PID reading discovered in a boring being performed as part of the 2nd Avenue Subway Project. Corresponding soil and GW sampling showed minor hits of a few SVOCs constituents. The results did show significant levels of some metals in the shallow sample (2-4 feet) which was taken from fill material. This material will have to be handled as a hazardous waste when construction commences.

**Map Identification Number 191**      **OLD PAINT FACTORY**  
 133 JACKSON AVE

BROOKLYN, NY

**Spill Number: 0505877**

**Close Date: 06/20/2007**  
 TT-Id: 520A-0051-725

**MAP LOCATION INFORMATION**

Site location mapped by: MANUAL MAPPING (3)  
 Approximate distance from property: 2041 feet to the E

**ADDRESS CHANGE INFORMATION**

Revised street: 133 JACKSON ST  
 Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER  
 Notifier Type: Other  
 Caller Name: MICHEAL FREEMAN  
 DEC Investigator: lxzielin

Spiller: MICHEAL FREEMAN - OLD PAINT FACTORY  
 Notifier Name: MICHEAL FREEMAN  
 Caller Agency: LAW OFFICE  
 Contact for more spill info: MICHEAL FREEMAN

Spiller Phone: (646) 366-0881  
 Notifier Phone: (646) 366-0881  
 Caller Phone: (646) 366-0881  
 Contact Person Phone: (646) 366-0881

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.  
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|------------|---------------------|----------------|-------------------------|---------------------|
| 08/12/2005 |                     | OTHER          | NO                      | NO                  |

NO MATERIAL INFORMATION GIVEN FOR THIS SPILL

Caller Remarks:

A SPILL WAS CALLED IN ON MAY 17TH: AND WAS CLOSED: SPILL # 0501932: DEC OFFICER RANDY AUSTIN SAID IT NEEDS TO BE CALLED INTO SPILL DIVISION: FOUND HYDROCARBONS AT LOCATION; CLIENT WOULD LIKE TO CLEAN UP QUICKLEY:

DEC Investigator Remarks:

06-19-07 - Zielinski

The May 2007 Site Closure Report(eDocs), prepared by Environmental Business Consultants, provides information on the status of the site contamination. After tanks were removed, contaminated soil excavated, and chemical treatment conducted, endpoint samples were taken in the western part of the site(previously, the department asserted that no further action was required in the eastern part of the property). The analyses of all five collected samples revealed that at location SPW1 tert-butylbenzene was 2,000 ppb(the limit is 1,000 ppb)and 4-isopropyltoluene was 26,000 ppb ( no limit in RSCO). Other analyzed constituents were within the RSCO limits. Presented in the report analyses of groundwater show significant reduction in contaminants' concentration after the chemical oxidant treatment. In downgradient located wells, exceedances include acetone: 290 ppm in at MW-5, 420 ppm at M-19, 170 ppm at MW-20; benzene: 6.2 ppm at MW-5, 5.4 ppm at MW-19; bromomethane; 10 ppm at MW-5; toluene : 47 ppm at MW-5, 180 ppm at MW-17, 11 ppm at MW-19, 35 ppm at MW-20; isopropylbenzene: 54 ppm at MW-19, m,p-xylene: 38 ppm at MW-17, 14 ppm at MW-19; methylene chloride: 53 ppm at MW-17, 12 ppm at MW-20, 9.6 o-xylene: 5.6 ppm at MW-17; The case is closed.

11/20/06 - Zielinski

Contamination from former paint manufacturing operations was found in the western half of the property. By December 2005, about 3,500 tons of contaminated soil was removed from the site. Later, dry chemical oxidant was added to the base of the excavation to attenuate residual contamination. With one exception ( tertbutylbenzene in the northwest corner of the site), endpoint samples showed that these activities had been effective. Subsequently, completed on January 2006, an activated injection program was implemented at 37 locations. Between April and May of 2006, about 500 tons of impacted soil was removed from the northwest corner; 2,000 gallons of total fluids were extracted; spot treatment injection was conducted in the northwestern corner and the center of the site.

In order to complete the remediation of the site, Environmental Business Consultants (EBC), the company conducting remediation activities at the site, propose that oxidant injections will be conducted in three wells in the rear yard of the site. Laboratory analyzes will determine whether additional oxidant treatment is needed.

03-21-06 - Zielinski

By December 2005, about 3,500 tons of contaminated soil was removed from the western part of the property. Later, on January 2006, an activated oxidant injection program, consisted of 37 injection locations in the western part of the property, was completed. The March 16 sampling showed a significant reduction in VOC contamination. To complete remediation process, additional soil from vicinity of MW 5 will be removed and a vapor barrier will be installed. also, the groundwater monitoring at several locations will be continued: In her April 4, 2006, e-mail to Charles Sosik, PWGS project manager, Jie Zhao had no objection to construction at the west part of the property-- she required to replace well # 15 for a long-time monitoring purpose.

02/10/06 - Zielinski

On February 2, 2006, a 30-mil HDPE vapor barrier was installed, and reinforcing steel was placed above the barrier.

8/12/05 - Austin - This location had been previously called in due to the discovery of "paint waste" (spill #0501932). In conversations that I had with two consultants about that report, I directed them to the Brownsfield program. Recently, it was

discovered that this was a former CBS facility that had closed out its tanks in 1998 (#2-000171, listed as 135 Jackson St.). Therefore, we are assigning this spill report to Jie Zhao for remedial review, as per Pts 596.6 and 598.10.

9/8/2005 - jz: Site Investigation Report was received on 8/23/2005. Remedial Action Plan was received on 8/26/2005. Zhao spoke to Mr. Charles B. Sosik, Project Manager from P W Grosser today. Excavate of contaminated soil to groundwater level (about 15 ft below grade) is approved by DEC. Detailed information about ORC application is required before apply which includes possible assessment of groundwater parameters. Soil excavation may start any time.

**Map Identification Number 192**      **CONSTRUCTION SITE**      **Spill Number: 0501932**      **Close Date: 05/20/2005**  
 133 JACKSON AVE      BROOKLYN, NY      TT-Id: 520A-0051-726

**MAP LOCATION INFORMATION**

Site location mapped by: MANUAL MAPPING (3)  
 Approximate distance from property: 2041 feet to the E

**ADDRESS CHANGE INFORMATION**

Revised street: 133 JACKSON ST  
 Revised zip code: NO CHANGE

|                             |                                             |                                      |
|-----------------------------|---------------------------------------------|--------------------------------------|
| Source of Spill: UNKNOWN    | Spiller: UNKNOWN NAME - GLOSS FLOW CORP.    | Spiller Phone:                       |
| Notifier Type: Other        | Notifier Name: LAB RESULTS                  | Notifier Phone:                      |
| Caller Name: DAVID YUDELSON | Caller Agency: ATTORNEY                     | Caller Phone: (917) 295-6449         |
| DEC Investigator: RWAUSTIN  | Contact for more spill info: DAVID YUDELSON | Contact Person Phone: (917) 295-6449 |

Category: Investigation indicates there was no spill.  
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |  | Penalty Recommended |  |
|------------|---------------------|----------------|-------------------------|--|---------------------|--|
| 05/17/2005 |                     | UNKNOWN        | NO                      |  | NO                  |  |

| Material Spilled  | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|-------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| UNKNOWN PETROLEUM | PETROLEUM      | 0                | GALLONS | 0                  | GALLONS | GROUNDWATER          |

**Caller Remarks:**

historical spill from an old paint factory. trimethyl benzene and naphthalene found above DEC limits. The new owner of the property will be contacting someone for clean up.

**DEC Investigator Remarks:**

5/20/05 - Austin - Spoke with Bill Conroy of Conroy Environmental. He indicated that paint waste contamination had been found in the soil of this former paint plant. He indicated that the site may have come under USEPA action in its prior use. I explained that since this was not a petroleum spill, it did not have to be called into the Spills Hotline. I also indicated in

the phone call that he should contact Dan Walsh of the Region's Haz. Waste Remed. Section, for information pertaining to the DEC's Brownsfield program, after he contacts the USEPA to determine their role in oversight of any remediation work. The spill was closed, due to this not being a spill event or involving petroleum. - end

6/6/05 - Austin - Spoke with Mark Robbins of Hydrotech 631-462-5866). I explained to him what the status was of this particular spill report. He indicated that he would go ahead and remove the paint contaminated material, and take post-ex samples to document proper removal, after chemically characterizing the paint waste. He would keep the data for documentation purposes. - end

8/12/05 - Austin - Recnt info came to light that this was a former CBS facility. It received another spill report # (#0505877), and will be assigned to staff for review.

**Map Identification Number 193** **I FO HOUSE** **Spill Number: 9905189** **Close Date: 09/28/1999**  
 143 AINSLIE ST BROOKLYN, NY TT-Id: 520A-0047-066

**MAP LOCATION INFORMATION**

Site location mapped by: PARCEL MAPPING (2)  
 Approximate distance from property: 2056 feet to the SE

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

|                                   |                              |                              |
|-----------------------------------|------------------------------|------------------------------|
| Source of Spill: PRIVATE DWELLING | Spiller: RESIDENCE           | Spiller Phone:               |
| Notifier Type: Affected Persons   | Notifier Name:               | Notifier Phone:              |
| Caller Name: ANONYMOUS            | Caller Agency: CITIZEN       | Caller Phone: (000) 000-0000 |
| DEC Investigator: HUANG           | Contact for more spill info: | Contact Person Phone:        |

Category: Investigation indicates there was no spill.  
 Class: Any Type of RP, Including No RP - DEC Field Response - Corrective Action Not Required or Not Possible

| Spill Date       | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 07/30/1999       |                     | OTHER            | NO                      |                    | NO                  |                      |
| Material Spilled | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| RAW SEWAGE       | OTHER               | 0                | GALLONS                 | 0                  | GALLONS             | SOIL                 |

**Caller Remarks:**

caller reports sewage coming from property listed above, has been going on for over 1 month.

**DEC Investigator Remarks:** NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

**Map Identification Number 194** **209741; WYTHE AVE; M-4848**  
 WYTHE AVE; M-4848  
 N/W/C WYTHE AVE & N 10 ST

, NY

**Spill Number: 0890353**

**Close Date: 02/10/2008**  
 TT-Id: 520A-0218-012

**MAP LOCATION INFORMATION**

Site location mapped by: ADDRESS MATCHING  
 Approximate distance from property: 2071 feet to the NW

**ADDRESS CHANGE INFORMATION**

Revised street: WYTHE AVE / N 10TH ST  
 Revised zip code: 11211

Source of Spill: COMMERCIAL/INDUSTRIAL  
 Notifier Type: Responsible Party  
 Caller Name:  
 DEC Investigator: Unassigned

Spiller: ERT DESK - CON EDISON  
 Notifier Name:  
 Caller Agency:  
 Contact for more spill info: ERT DESK

Spiller Phone:  
 Notifier Phone:  
 Caller Phone:  
 Contact Person Phone: (212) 580-8383

Category: Possible petroleum release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters, known releases with no potential for damage, or non-petroleum/non-hazardous spills.  
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |  | Penalty Recommended |  |
|------------|---------------------|----------------|-------------------------|--|---------------------|--|
| 01/31/2008 |                     | UNKNOWN        | NO                      |  | NO                  |  |

| Material Spilled  | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|-------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| UNKNOWN PETROLEUM | PETROLEUM      | 1.00             | GALLONS | 0.00               | GALLONS | UTILITY              |

Caller Remarks:

M-4848 APPROX 1 GAL OF UNKNOWN OIL ON APPROX 100 GALS OF WATER  
 Closed: Agency Approval Not Required

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

**Map Identification Number 195** **CORNOR OF CONSELYEA**  
 MANHATTEN AVE

BROOKLYN, NY

**Spill Number: 9704676**

**Close Date: 07/18/1997**  
 TT-Id: 520A-0042-892

**MAP LOCATION INFORMATION**

Site location mapped by: ADDRESS MATCHING  
 Approximate distance from property: 2090 feet to the ESE

**ADDRESS CHANGE INFORMATION**

Revised street: MANHATTAN AV / CONSELYEA ST  
 Revised zip code: 11211

|                                                  |                              |                              |
|--------------------------------------------------|------------------------------|------------------------------|
| Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER | Spiller: UNK                 | Spiller Phone:               |
| Notifier Type: Citizen                           | Notifier Name: NONE          | Notifier Phone:              |
| Caller Name: JENIFER ALLEN                       | Caller Agency: CITZEN        | Caller Phone: (718) 387-2037 |
| DEC Investigator: LUCE                           | Contact for more spill info: | Contact Person Phone:        |

Category: Investigation indicates there was no spill.  
 Class: Any Type of RP Including No RP - No DEC Field Response - Corrective Action by Spill Response Not Required

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |  | Penalty Recommended |  |
|------------|---------------------|----------------|-------------------------|--|---------------------|--|
| 07/14/1997 |                     | UNKNOWN        | NO                      |  | NO                  |  |

| Material Spilled | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| TAR              | OTHER          | 0                | GALLONS | 0                  | GALLONS | AIR                  |

Caller Remarks:

TARING OPERATION 24HRS A DAY - FUMES ARE AFFECTING HEALTH OF CALL

WHO LIVES ACROSS STREET - WIND DIRECTION TODAY IS MAKING IT WORSE

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

|                                                                                    |                    |                              |                               |
|------------------------------------------------------------------------------------|--------------------|------------------------------|-------------------------------|
| <b>Map Identification Number 196</b>                                               | <b>EXCAVATION</b>  | <b>Spill Number: 0508101</b> | <b>Close Date: 10/06/2005</b> |
|  | 140 JACKSON STREET | BROOKLYN, NY                 | TT-Id: 520A-0040-740          |

MAP LOCATION INFORMATION  
 Site location mapped by: MANUAL MAPPING (3)  
 Approximate distance from property: 2099 feet to the E

ADDRESS CHANGE INFORMATION  
 Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

|                                                  |                                        |                                |
|--------------------------------------------------|----------------------------------------|--------------------------------|
| Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER | Spiller: BROOKLYN FIRE DEPT #216       | Spiller Phone:                 |
| Notifier Type: Fire Department                   | Notifier Name: BROOKLYN FIRE DEPT #216 | Notifier Phone: (718) 636-1702 |
| Caller Name: BROOKLYN FIRE DEPT #216             | Caller Agency:                         | Caller Phone: (718) 636-1702   |
| DEC Investigator: SMSANGES                       | Contact for more spill info:           | Contact Person Phone:          |

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Any Type of RP Including No RP - No DEC Field Response - Corrective Action by Spill Response Not Required

| Spill Date        | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|-------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 10/06/2005        |                     | OTHER            | NO                      |                    | NO                  |                      |
| Material Spilled  | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| UNKNOWN PETROLEUM | PETROLEUM           | 0                | GALLONS                 | 0                  | GALLONS             | SOIL                 |

Caller Remarks:

AT THIS LOCATION THEY ARE REMOVING CONTAMINATED SOIL AND PUTTING IN DUMP TRUCKS AND TAKING AWAY: CALLER WANTS TO KNOW IF IT IS LEGAL AND IF THEY NEED OR HAVE PERMITS:

DEC Investigator Remarks:

ongoing case managed by Jie Zhao

Problem is in a vacant lot ACROSS THE STREET from 140 Jackson Street.

**Map Identification Number 197**

**MH 4360**

WYTHE AVENUE & NORTH 11 STREET

BROOKLYN, NY

**Spill Number: 0711308**

**Close Date: 05/23/2008**

TT-Id: 520A-0210-587

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 2100 feet to the NW

ADDRESS CHANGE INFORMATION

Revised street: WYTHE AVE / N 11TH ST

Revised zip code: NO CHANGE

Source of Spill: UNKNOWN  
 Notifier Type: Responsible Party  
 Caller Name:  
 DEC Investigator: gdbreen

Spiller: CON EDISON MH 4360  
 Notifier Name:  
 Caller Agency:  
 Contact for more spill info: ERTSDESK

Spiller Phone:  
 Notifier Phone:  
 Caller Phone:  
 Contact Person Phone: (212) 580-8383

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |  | Penalty Recommended |  |
|------------|---------------------|----------------|-------------------------|--|---------------------|--|
| 01/27/2008 |                     | UNKNOWN        | NO                      |  | NO                  |  |

| Material Spilled  | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|-------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| UNKNOWN PETROLEUM | PETROLEUM      | 1.00             | GALLONS | 0.00               | GALLONS | SOIL                 |

Caller Remarks:

CRACK IN ASPHALT FOR MANHOLE. CLEANUP IN PROGRESS. CONED # 209651

DEC Investigator Remarks:

209651. see eDocs

3/11/08: Spill submitted for closure by Con Ed. Sample was collected from material in vault and was ID'd as "similar to dielectric fluid", with a PCB count of 211 ppm. Also, a crack was found in the floor of the structure. Con Ed sealed the crack in the floor without ascertaining if any oil leaked onto underlying soil. Request for closure denied, with following comment: "Crack in floor must be broken out and soil beneath crack tested for PCBs to ensure that no oil leaked to soil." (JHO)

5/23/08: Con Ed crew broke out crack in floor and sampled soil beneath. Results <1 ppm PCB. Close. (JHO)

**Map Identification Number 198** **VACANT LOT** **Spill Number: 0702096** **Close Date: 08/21/2007**  
 441 GRAND STREET BROOKLYN, NY TT-Id: 520A-0038-126  
 ALT. ADD.: 414-422 KEAP STREET

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)  
 Approximate distance from property: 2111 feet to the S

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

|                                                  |                              |                       |
|--------------------------------------------------|------------------------------|-----------------------|
| Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER | Spiller: VACANT LOT          | Spiller Phone:        |
| Notifier Type: Other                             | Notifier Name:               | Notifier Phone:       |
| Caller Name:                                     | Caller Agency:               | Caller Phone:         |
| DEC Investigator: hrpatel                        | Contact for more spill info: | Contact Person Phone: |

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|------------|---------------------|----------------|-------------------------|---------------------|
| 05/21/2007 |                     | OTHER          | NO                      | NO                  |

| Material Spilled | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| GASOLINE         | PETROLEUM      | 0                | GALLONS | 0                  | GALLONS | GROUNDWATER          |

-----  
 Caller Remarks:

DURING SOIL TESTING FOUND CONTAMINATED SOIL & GROUNDWATER

-----  
 DEC Investigator Remarks:

Sangesland called Eva at HydroTech to ask for the property owner's name & mailing address. Once we get this address, a CSL letter will need to be sent.

Mark Weiss  
 Vintage Builders  
 5417 18th Avenue  
 Brooklyn, NY 11204  
 Ph. (718) 232-9101 (O)  
 (917) 553-5004 (C)  
 FAx (718) 232-5603

05/25/07-Hiralkumar Patel. spoke with Eva at Hydrotech. asked her to send analytical data.  
 05/29/07-Hiralkumar Patel. received report from Eva. abstract:

- hydrotech performed Phase I investigation during May 2006
- Phase I revealed the historical utilization of the site as an auto repair facility that contained a gasoline UST
- depth to groundwater in the vicinity of the site is approx. 20 ft bg
- regional groundwater flow direction in the vicinity of the site is toward the west, in the direction of the East river
- installed three soil probes (B-1 to B-3) to depth of 16 ft bg
- one groundwater probe (GW-1) was installed in the western portion of the site in the same location as B-2. groundwater was encountered at approx. 16 ft bg
- found 1,1,2,2-Tetracholorethane in sample B-2 (680 ppb, limit: 600 ppb)
- found groundwater contaminated

-----GW-1  
 Xylene-----307  
 1,3,5 Trimethylbenzene----218  
 1,2,4 Trimethylbenzene----938  
 Naphthalene-----215

spoke with Mr. Weiss. he is planning to build apartment building at site. and building foundation depth will be 8 ft bg.

Eva E. Jakubowska

Ph. (718) 636-0800 (O)  
(631) 457-0419 (C)  
Fax (718) 636-0900  
e-mail: ejakubowska@hydrotechenvironmental.com

sent letter to Mr. Weiss requiring Phase I, soil/groundwater delineation via monitoring wells, site specific groundwater flow direction, endpoint samples and vapor barrier. letter faxed to Mr. Weiss. letter emailed to Eva.

05/31/07-Hiralkumar Patel. received email from Eva containing written part of Phase I (without any database search results). abstract:

- vicinity of site consists of primarily of residential and commercial properties
- according to site representative, the property was formerly developed with a one-story warehouse type building that was reportedly demolished in Jan. 2006.
- adjacent site to the south: 442 Grand Street, a Shell gas station
- adjacent site to the West: 437 Grand Street, observed five vent pipes
- from Sanborn maps of 1916-1942: northwest adjacent Brooklyn Coal Company has been replaced with parking garage. one gasoline tank is noted on property <-----
- from Sanborn maps of 1951-1965: site appears to be partially developed with a one-story store and an auto repair facility in rear portion of the site. one gasoline tank is depicted within the auto repair portion of the site. <-----

437 Grand Street: alternate address- 433-439 Grand Street, 425 Keap Street. from PBS records, found PBS registration at 435 Grand Ave (PBS #: 2-601892). site has 7500 gal #2 oil tank aboveground in contact with soil.

442 Grand Street: alternate addresses- 351 South 1st street, 398-412 Keap Street, 175-189 Ext. Grand street. found PBS registration at 351 South 1st Street (PBS #: 2-191027). site has three 4,000 gal gasoline USTs. all three tanks were tested 05/06 and passed.

07/10/07-Hiralkumar Patel. received fax from Ms. Sebbo from hydrotech requiring sidewalk permit letter. fax also contains proposed monitoring well locations. based on site map, proposed locations looks in straight line, which is not sufficient to predict groundwater flow direction.

Jessie Sebbo  
Hydro Tech  
PH. (631) 457-0523 (C)  
email: jsebbo@hydrotechenvironmental.com

07/12/07-Hiralkumar Patel. left message for Ms. Sebbo about proposed monitoring well locations. received call from Ms. Sebbo. asked her to resent previous investigation report. sent her fax with changes in proposed monitoring well locations. Hydro tech proposed two wells on Keap street and one on Grand street, but these wells were almost in straight line and were not covering contaminated spot (previous soil boring B-2). asked Ms. Sebbo to install one monitoring well in area between previous boring locations B-2 and B-3 and to move proposed well location MW-1 towards northeast along Keap street (same sidewalk and close to site at 426 Keap Street). sent sidewalk permit request letter also in fax.

spoke with Mr. Weiss. asked him to not do any construction at site prior to complete delineation. he mentioned that site currently has stop work order from NYC DOB.

07/13/07-Hiralkumar Patel. received call from Ms. Sebbo regarding monitoring well locations. she mentioned that site is under construction and has been excavated so not possible to install any monitoring well inside site. so now Ms. Sebbo will install wells at following locations:

1. two wells along Keap street on east sidewalk (one close to corner of Keap street and Grand street and another will be at point close to foundation wall between subject site and 426 Keap Street)
2. one well along Grand street on north sidewalk, at point along foundation line between properties 445 Grand street and 449 Grand street.

sent updated sidewalk permit request letter to Ms. Sebbo.

08/14/07-Hiralkumar Patel. received message from MR. Weiss (on 08/02/07). received groundwater investigation report from Hydrotech. abstract:

- three monitoring wells were installed (two on sidewalk along keap street and one on sidewalk along grand street)
- depth to water beneath the site is 10 ft bg
- groundwater flow direction beneath the site towards the west
- found groundwater contamination in monitoring well # 1 (which is close to previous boring location GW-1)

-----MW-1  
 Ethylbenzene-----82  
 Xylene-----360  
 1,2,4-Trimethylbenzene-----420

08/21/07-Hiralkumar Patel. discussed with DEC Austin. he asked to visit site to see any odors from site or sheen on any water inside excavation area.

visited site. no odors at site. looked through security fence, no oil sheen observed on water that was collected from rain (rain was continue).

as per Austin, in absence of odors or sheen/product on water in excavation, case closed.

spoke with Mr. Weiss. asked him to install vapor barrier during construction.

sent NFA to Mr. Weiss. letter faxed to Mr. Weiss and Ms. Sebbo.

**Map Identification Number 199**



**MANHOLE 64134**  
NORTH 4TH ST/BERRY ST

BROOKLYN, NY

**Spill Number: 0004421**

**Close Date: 10/18/2001**  
TT-Id: 520A-0038-702

**MAP LOCATION INFORMATION**

Site location mapped by: ADDRESS MATCHING  
Approximate distance from property: 2141 feet to the W

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

|                            |                                          |                                      |
|----------------------------|------------------------------------------|--------------------------------------|
| Source of Spill: UNKNOWN   | Spiller: UNKNOWN                         | Spiller Phone:                       |
| Notifier Type: Other       | Notifier Name: MR REIDY                  | Notifier Phone:                      |
| Caller Name: BILL MURPHY   | Caller Agency: CON EDISON                | Caller Phone: (212) 580-6763         |
| DEC Investigator: JHOCONNE | Contact for more spill info: BILL MURPHY | Contact Person Phone: (212) 580-6763 |

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |  | Penalty Recommended |  |
|------------|---------------------|----------------|-------------------------|--|---------------------|--|
| 07/13/2000 |                     | UNKNOWN        | NO                      |  | NO                  |  |

| Material Spilled  | Material Class | Quantity Spilled |         | Quantity Recovered |         | Resource(s) Affected |
|-------------------|----------------|------------------|---------|--------------------|---------|----------------------|
|                   |                | Units            |         | Units              |         |                      |
| UNKNOWN PETROLEUM | PETROLEUM      | 3.00             | GALLONS | 0.00               | GALLONS | SOIL                 |

Caller Remarks:

3 gals unk oil on 50 gals water - sample taken clean up pending results - con ed 132348

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "O'CONNELL"  
 Con Ed e2mis Notes:

7/13/00 3gal unknown oil on 50gal water in manhole. Sample returned <1ppm PCB. Tanker removed oil and water. Env Ops placed slix adn rewashed several times. Dug debris and recleaned again and removed tag. Sump already cemented.

**Map Identification Number 200** **INTERSECTION**  
 N 153 ST & WYTHE AVE

BROOKLYN, NY

**Spill Number: 1008002**

**Close Date: 10/29/2010**  
 TT-Id: 520A-0260-153

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (4)  
 Approximate distance from property: 2154 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: N 153 ST / WYTHE AVE  
 Revised zip code: 11211

Source of Spill: UNKNOWN Spiller: ALEX CASTRO-INV BADGE 29 - UNK Spiller Phone:  
 Notifier Type: Local Agency Notifier Name: Notifier Phone:  
 Caller Name: Caller Agency: Caller Phone:  
 DEC Investigator: RMPIPER Contact for more spill info: ALEX CASTRO-INV BADGE 29 Contact Person Phone: (917) 865-1238

Category: Possible petroleum release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters, known releases with no potential for damage, or non-petroleum/non-hazardous spills.  
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |  | Penalty Recommended |  |
|------------|---------------------|----------------|-------------------------|--|---------------------|--|
| 10/28/2010 |                     | UNKNOWN        | NO                      |  | NO                  |  |

| Material Spilled | Material Class | Quantity Spilled |         | Quantity Recovered |         | Resource(s) Affected |
|------------------|----------------|------------------|---------|--------------------|---------|----------------------|
|                  |                | Units            |         | Units              |         |                      |
| MOTOR OIL        | PETROLEUM      | 0                | UNKNOWN | 0                  | UNKNOWN | SEWER                |

Caller Remarks:

Wyht Ave & n 14th st. N 14th St & Berry St. Found leaking oil from vehicle leading down the roadway. Unknown vehicle and amount.

DEC Investigator Remarks:

DEP has sanitation sand road. Spill closed.

**Map Identification Number 201** **MANHOLE 627** **Spill Number: 9907102** **Close Date: 01/29/2002**  
 WYTHE AV / N 12TH ST BROOKLYN, NY TT-Id: 520A-0039-700

MAP LOCATION INFORMATION  
 Site location mapped by: ADDRESS MATCHING  
 Approximate distance from property: 2159 feet to the NW

ADDRESS CHANGE INFORMATION  
 Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL Spiller: CON EDISON Spiller Phone:  
 Notifier Type: Responsible Party Notifier Name: FERNANDEZ Notifier Phone:  
 Caller Name: STEVEN CRIBBIN Caller Agency: CON ED Caller Phone: (212) 580-8576  
 DEC Investigator: JHOCONNE Contact for more spill info: Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.  
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

| Spill Date        | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|-------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 09/14/1999        |                     | UNKNOWN          | NO                      |                    | NO                  |                      |
| Material Spilled  | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| UNKNOWN PETROLEUM | PETROLEUM           | 1.00             | GALLONS                 | 0.00               | GALLONS             | SOIL                 |

Caller Remarks:

undiaperable sheen on 10gal of water - case #127807 - contained - sample taken

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "O'CONNELL"  
 con ed e2mis notes:

Undiaperable sheen while he was flushing structure for the I&A network. The I&A network pressure tested transf and it pressure tested ok. They try to diaper sheen did not work. The undiaperable sheen is on 10 gallons of water. There is no other oil filled equipment in hole other than the transf. He does not see any sump or sump pump or sewer connection. A liquid sample was taken.

Seq#99-09653 @ 23ppm, Manny Davis of environmental operations reports cleanup completed at 0250hrs 9/21/99.

Map Identification Number 202



MANHOLE 59560

12TH ST & WITHE AVE

BROOKLYN, NY

Spill Number: 0407078

Close Date: 11/26/2004

TT-Id: 520A-0042-726

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING  
 Approximate distance from property: 2159 feet to the NW

ADDRESS CHANGE INFORMATION

Revised street: N 12TH ST / WYTHE AVE  
 Revised zip code: NO CHANGE

Source of Spill: UNKNOWN  
 Notifier Type: Responsible Party  
 Caller Name: RON ELLIOTT  
 DEC Investigator: SKARAKHA

Spiller: CON ED  
 Notifier Name: MR TOJIERA  
 Caller Agency: CON ED  
 Contact for more spill info: ERT DESK

Spiller Phone:  
 Notifier Phone: (212) 580-6764  
 Caller Phone: (212) 580-6763  
 Contact Person Phone: (212) 580-8383

Category: Possible petroleum release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters, known releases with no potential for damage, or non-petroleum/non-hazardous spills.  
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |  | Penalty Recommended |  |
|------------|---------------------|----------------|-------------------------|--|---------------------|--|
| 09/26/2004 |                     | UNKNOWN        | NO                      |  | NO                  |  |

| Material Spilled  | Material Class | Quantity Spilled | Units  | Quantity Recovered | Units  | Resource(s) Affected |
|-------------------|----------------|------------------|--------|--------------------|--------|----------------------|
| UNKNOWN PETROLEUM | PETROLEUM      | 0                | POUNDS | 0                  | POUNDS | SOIL                 |

Caller Remarks:

1 pint unknown oil from unknown source.

DEC Investigator Remarks:

e2mis no 155554

APPX 1 PT OF UNK OIL ON APPX 250 GALS OF WATER IN MH. NO SEWERS, WATERWAYS AFFECTED. SPILL APPEARS TO BE CONTAINED TO THE STRUCTURE. LIQUID SAMPLE TAKEN FOR PCBs.

LAB RESULT RECEIVED 9/26/04 - 1904. 04-07689: 3087 PPM PCBs

ENV. OPS., REPORTS A D FAULT TAG IN THE STRUCTURE.

UPDATE 30-SEP-2004 2128HRS

FLUSH MECHANIC O. JONES ,EMPLOYEE NO 90206 REPORTS, EARTHEN SUMP FOUND DURING CLEANUP.

10/01/04 = 0500 HRS = Env Ops Supv C.Fernandez reports that Env crew removed 7 drums of debris. Structure was double washed with BioGen 760 and Safety wash. Astoria tanker removed a total of 400 gallons of liquid. An Astoria transportation truck removed the drums. Sampled sump ( Chain of custody DD01337 ) and cemented it after cleaning it out.. Tag remains in place pending sump results and soda blasting of structure. TJ - 50495

UPDATE 10-1-04 16:55HRS

AS PER FEEDER REP JOHN SANTORA, D FAULT HAS BEEN COMPLETED. S. PACE 49874.

SUMP RESULTS RECEIVED 10/2/04 - 0818. 04-07863. SUMP BOTTOM - 9 PPM. SUMP WALLS - 5 PPM.

Lab Sequence Number: 04-08091-001 Date Approved: 10/07/2004

E2 Incident Number: 155554 Date Received: 10/06/2004

Chain of Custody ID: DD04508 Date Sampled: 10/06/2004

DESCRIPTION: GRID POINT #1 Aroclor 1260 < 1.0 ug/100cm^2 EPA 608/8082  
 DESCRIPTION: GRID POINT #2 Aroclor 1248 1.8 ug/100cm^2 EPA 608/8082  
 DESCRIPTION: GRID POINT #3 Aroclor 1260 < 1.0 ug/100cm^2 EPA 608/8082  
 DESCRIPTION: GRID POINT #4 Aroclor 1260 < 1.0 ug/100cm^2 EPA 608/8082  
 DESCRIPTION: GRID POINT #5 Aroclor 1260 < 1.0 ug/100cm^2 EPA 608/8082  
 DESCRIPTION: GRID POINT #6 Aroclor 1260 < 1.0 ug/100cm^2 EPA 608/8082  
 DESCRIPTION: GRID POINT #7 Aroclor 1260 < 1.0 ug/100cm^2 EPA 608/8082  
 DESCRIPTION: GRID POINT #8 Aroclor 1260 < 1.0 ug/100cm^2 EPA 608/8082  
 DESCRIPTION: GRID POINT #9 Aroclor 1248 2.5 ug/100cm^2 EPA 608/8082  
 DESCRIPTION: GRID POINT #10 Aroclor 1248 3.1 ug/100cm^2 EPA 608/8082  
 DESCRIPTION: GRID POINT #11 Aroclor 1260 < 1.0 ug/100cm^2 EPA 608/8082

Tag can be pulled.

**Map Identification Number 203**



**DUMPSTER**

134 WYTHE AVE

BROOKLYN, NY

**Spill Number: 0607587**

**Close Date: 10/04/2006**

TT-Id: 520A-0218-721

**MAP LOCATION INFORMATION**

Site location mapped by: MANUAL MAPPING (3)  
 Approximate distance from property: 2161 feet to the WNW

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER  
 Notifier Type: Local Agency  
 Caller Name:  
 DEC Investigator: JBVOUGHT

Spiller: UNKOWN.  
 Notifier Name:  
 Caller Agency:  
 Contact for more spill info: BOAZ DAADIA

Spiller Phone:  
 Notifier Phone:  
 Caller Phone:  
 Contact Person Phone: (718) 387-1913

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |  | Penalty Recommended |  |
|------------|---------------------|----------------|-------------------------|--|---------------------|--|
| 10/03/2006 |                     | UNKNOWN        | NO                      |  | NO                  |  |

| Material Spilled  | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|-------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| UNKNOWN PETROLEUM | PETROLEUM      | 0                | GALLONS | 0                  | GALLONS | SOIL                 |

Caller Remarks:

NOT YET CONTAINED OR CLEANED

DEC Investigator Remarks:

10/02/06-Vought-Off hours responder. Vought called Boaz and left message to return call. Site visit will be performed.

10/04/06-Vought-Performed site visit and observed oil like substance coming from dumpster. Area of affected asphalt was approximately 2'x3' and no sewers or drains were affected. Spill also on concrete sidewalk. Vought called contact for carting company on container (Boro Wide Recycling 718-326-7149) and left message to return call immediately. Container filled with construction debris from Engine Co. 212 (closed engine house).

10/5/06-Vought-Received call from FDNY and material spill was biodegradable foaming agent used for fire suppression. Non-petroleum spill. Vought called and informed Boaz of spill material and closed spill.

**Map Identification Number 204**      **ON SIDEWALK**      **Spill Number: 0514745**      **Close Date: 05/01/2006**  
      NORTH 7TH /WYTHEAVE      BROOKLYN, NY      TT-Id: 520A-0046-197

**MAP LOCATION INFORMATION**

Site location mapped by: ADDRESS MATCHING  
 Approximate distance from property: 2180 feet to the WNW

**ADDRESS CHANGE INFORMATION**

Revised street: N 7TH ST / WYTHE AVE  
 Revised zip code: 11211

|                                                  |                                     |                                      |
|--------------------------------------------------|-------------------------------------|--------------------------------------|
| Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER | Spiller: SAISAL - ON SIDEWALK       | Spiller Phone: (917) 682-3008        |
| Notifier Type: Local Agency                      | Notifier Name: SAISAL               | Notifier Phone: (917) 682-3008       |
| Caller Name: SAISAL                              | Caller Agency: NYCDEP               | Caller Phone: (917) 682-3008         |
| DEC Investigator: rmpiper                        | Contact for more spill info: SAISAL | Contact Person Phone: (917) 682-3008 |

Category: Possible petroleum release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters, known releases with no potential for damage, or non-petroleum/non-hazardous spills.  
 Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |  | Penalty Recommended |  |
|------------|---------------------|----------------|-------------------------|--|---------------------|--|
| 03/24/2006 |                     | OTHER          | NO                      |  | NO                  |  |

| Material Spilled  | Material Class | Quantity Spilled |         | Quantity Recovered |         | Resource(s) Affected |
|-------------------|----------------|------------------|---------|--------------------|---------|----------------------|
|                   |                | Units            |         | Units              |         |                      |
| UNKNOWN PETROLEUM | PETROLEUM      | 0                | GALLONS | 0                  | GALLONS | SOIL                 |

**Caller Remarks:**

UNKNOWN WHERE IT CAME FROM: AND OIL IS ON SIDEWALK

**DEC Investigator Remarks:**

4/28/06- DEC Piper performed inspection of area due to misplacement of spill report and no call back from DEP. Inpsection

revealed staining on sidewalks of all corners though no oil spill near vent of fill boxes was observed. Closed.

**Map Identification Number 205**

**PAINT FACTORY**  
415 GRAHAM AVE

BROOKLYN, NY

**Spill Number: 0507793**

**Close Date: 09/29/2005**  
TT-Id: 520A-0040-736

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)  
Approximate distance from property: 2213 feet to the E

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER  
Notifier Type: Fire Department  
Caller Name: FIREFIGHTTER FENDAMAN  
DEC Investigator: JXZHAO

Spiller: FIREFIGHTER FENDMAN - PAINT FACTORY  
Notifier Name: FIREFIGHTTER FENDAMAN  
Caller Agency: FIRE DEPT NY  
Contact for more spill info: FIREFIGHTER FENDMAN

Spiller Phone: (917) 769-0483  
Notifier Phone: (917) 769-0483  
Caller Phone: (917) 769-0483  
Contact Person Phone: (917) 769-0483

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.  
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|------------|---------------------|----------------|-------------------------|---------------------|
| 09/29/2005 |                     | OTHER          | NO                      | NO                  |

| Material Spilled | Material Class | Quantity Spilled |         | Quantity Recovered |         | Resource(s) Affected |
|------------------|----------------|------------------|---------|--------------------|---------|----------------------|
|                  |                | Spilled          | Units   | Recovered          | Units   |                      |
| PAINT            | OTHER          | 0                | GALLONS | 0                  | GALLONS | SOIL                 |

Caller Remarks:

PAINT FACTORY IS BEING DEMOLISHED AND PAINT IS ALL OVER THE GROUND: FIRE DEPT ON SCENE: LOW LAYING GROUND. NEAR STREAMS

DEC Investigator Remarks:

duplicate spill - cross ref with 0505877 - managed by Zhao

**Map Identification Number 206** **CONSTRUCTIO PROJ**  
 197 BERRY STREET

BROOKLYN, NY

**Spill Number: 0802803**

**Close Date: 06/11/2008**  
 TT-Id: 520A-0215-944

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)  
 Approximate distance from property: 2218 feet to the W

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL  
 Notifier Type: Responsible Party  
 Caller Name:  
 DEC Investigator: hrpatel

Spiller: STEVEN UCCELLINI - CONSTRUCTIO PROJ  
 Notifier Name:  
 Caller Agency:  
 Contact for more spill info: STEVEN UCCELLINI

Spiller Phone:  
 Notifier Phone:  
 Caller Phone:  
 Contact Person Phone: (631) 234-2220 ext. 1

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|------------|---------------------|----------------|-------------------------|---------------------|
| 06/10/2008 |                     | OTHER          | NO                      | NO                  |

| Material Spilled  | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|-------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| UNKNOWN PETROLEUM | PETROLEUM      | 0                | GALLONS | 0                  | GALLONS | SOIL                 |

Caller Remarks:

WHILE DIGGING CAME UPON ODOR AND CONTAMINATED SOIL

DEC Investigator Remarks:

06/11/08-Hiralkumar Patel. site is under remediation. refer to spill #: 0708001.

case closed.

**Map Identification Number 207** **VACANT LOT**  
 197 BERRY STREET

BROOKLYN, NY

**Spill Number: 0708001**

**Close Date: 05/11/2009**  
 TT-Id: 520A-0210-477

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)  
 Approximate distance from property: 2218 feet to the W

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

|                             |                                            |                                      |
|-----------------------------|--------------------------------------------|--------------------------------------|
| Source of Spill: UNKNOWN    | Spiller: SHAWN DONOHUE - VACANT LOT        | Spiller Phone: (718) 595-5000        |
| Notifier Type: Local Agency | Notifier Name:                             | Notifier Phone:                      |
| Caller Name:                | Caller Agency:                             | Caller Phone:                        |
| DEC Investigator: SFRAHMAN  | Contact for more spill info: SHAWN DONOHUE | Contact Person Phone: (718) 595-5000 |

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |  | Penalty Recommended |  |
|------------|---------------------|----------------|-------------------------|--|---------------------|--|
| 10/22/2007 |                     | OTHER          | NO                      |  | NO                  |  |

| Material Spilled  | Material Class | Quantity Spilled |         | Quantity Recovered |         | Resource(s) Affected |
|-------------------|----------------|------------------|---------|--------------------|---------|----------------------|
|                   |                | Units            |         | Units              |         |                      |
| UNKNOWN PETROLEUM | PETROLEUM      | 0                | GALLONS | 0                  | GALLONS | SOIL                 |

Caller Remarks:

LOT OWNER DIGGING WITHOUT PERMIT: APPARENTLY HAS CONTAMINATED SOIL: 'E' ZONE

DEC Investigator Remarks:

Corner lot addresses: 248-252 Bedford Ave and 141-157 North 3rd St Brooklyn.  
 City Code: Block 2351 - Lot 28  
 Owner: East 112th Realty Corp, 8313 Bay Pkwy, Brooklyn, NY 11214  
 Site is vacant now. Used to have 2 one floor industrial buildings on the site. Unknown history.  
 \*\*\*\*\* Site has a city "E" designation (unknown why?)\*\*\*\*\*

11/08/07 I responded to the site with ECO Jennifer Okonuk on 11/06/07 afternoon.Phase II report, RAP and HASP are in eodcs,will review soon.This is a construction site where contaminated soil is being removed to a disposal facility.Soil contamination relevant to urbanfill.Site Manager: Gerry Violette,(917)3782136.(SR)

03/19/08 Spoke with Gerry Violette today.The removal of contaminated soil is halfway down the lot.Excavation extended below the contamination level and end point shows clean soil, as per Gerry.Gerry also indicated that air monitoring is being done continuously.According to Phase II investigation, VOCs were within TAGM in soil and ground water.SVOCs were slightly above TAGM, can be attributed to fill material.(sr)

06/11/08-Hiralkumar Patel. another spill reported at the site (spill #: 0802803). as per Steven (631-234-2220 Ext. 105) from JR Holzmaucher, found heavy soil contamination at depth of 20 ft bg. took samples and waiting for results. will do further excavation after results available. monitoring air at the site.

06/18/08 I had a site meeting this morning with Steven P Uccellini and Richard Rozycki from J.R.Holzmaucher LLC.One location on th

elot showed higher PID reading though end point sample shows VOC/SVOC are below TAGM.I suggested to resample the area including ponded water sample.Whole site will be end point sampled in a grid pattern.(sr)

05/08/09 Rec'd closure report, will review shortly.(sr)

05/11/09 In the former loading dock area, diesel-like odor and dark gray to black soil was noticed.No tanks discovered during the soil excavation.Soil samples showed low concentrations of several constituents but no constituents exceeded their respective RSCOs. Excavated soil from the former loading dock area were disposed of.No voc/svoc constituents were detected in two ground water samples.Ground water @20-25 ft. Ground water was also investigated as part of Phase II investigation.NFA required.(sr)

**Map Identification Number 208**      **SUPERIOR INGREDIENTS**  
 74 WYTHE AVE

BROOKLYN, NY

**Spill Number: 1000353**

**Close Date: 04/09/2010**

TT-Id: 520A-0252-622

**MAP LOCATION INFORMATION**

Site location mapped by: MANUAL MAPPING (3)  
 Approximate distance from property: 2223 feet to the NW

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL  
 Notifier Type: Citizen  
 Caller Name:  
 DEC Investigator: hrpatel

Spiller: SUPERIOR INGREDIENTS  
 Notifier Name:  
 Caller Agency:  
 Contact for more spill info: ANONYMOUS

Spiller Phone:  
 Notifier Phone:  
 Caller Phone:  
 Contact Person Phone: (716) 984-8941

| Spill Date       | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 04/08/2010       |                     | UNKNOWN          | NO                      |                    | NO                  |                      |
| Material Spilled | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| UNKNOWN MATERIAL | OTHER               | 0                | UNKNOWN                 | 0                  | UNKNOWN             | SOIL                 |

**Caller Remarks:**

Caller states that a liquid petroleum looking product is running down the road from the back door of the warehouse.Spill is visible from North of 12TH ST, has not entered sewer yet, DEC DLE # 10-005628 generated also.

**DEC Investigator Remarks:**

04/09/10-Hiralkumar Patel. visited site (at 4:05 PM on 04/08/10). found red food color on water from backside of the warehouse. no oil spilled. no odors.

case closed.

**Map Identification Number 209** **73 NORTH 8TH ST/BROOKLYN** **Spill Number: 9013128** **Close Date: 03/14/2005**  
 73 NORTH 8TH STREET BROOKLYN, NY TT-Id: 520A-0048-954

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)  
 Approximate distance from property: 2230 feet to the WNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

|                                        |                              |                              |
|----------------------------------------|------------------------------|------------------------------|
| Source of Spill: COMMERCIAL/INDUSTRIAL | Spiller:                     | Spiller Phone:               |
| Notifier Type: Affected Persons        | Notifier Name:               | Notifier Phone:              |
| Caller Name: YAROSLA TOBLOWSKI         | Caller Agency: CITIZEN       | Caller Phone: (212) 998-7370 |
| DEC Investigator: RWAUSTIN             | Contact for more spill info: | Contact Person Phone:        |

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.  
 Class: Unknown RP - DEC Field Response - DEC Corrective Action Required

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|------------|---------------------|----------------|-------------------------|---------------------|
| 02/23/1991 |                     | UNKNOWN        | NO                      | NO                  |

| Material Spilled                                                                                         | Material Class | Quantity Spilled | Units  | Quantity Recovered | Units  | Resource(s) Affected |
|----------------------------------------------------------------------------------------------------------|----------------|------------------|--------|--------------------|--------|----------------------|
| The following material was dropped or revised by the NYS DEC. Call Toxics Targeting for more information |                |                  |        |                    |        |                      |
| #4 FUEL OIL                                                                                              | UNKNOWN        | -1.00            | POUNDS | 0.00               | POUNDS |                      |

Caller Remarks:

SUSPECT LEAKING TANK OR CONTIUAL OVERFLOW CAUSING OIL TO LEAK INTO CALLER'S BASEMENT.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "AUSTIN"  
 5/10/04 - AUSTIN - TRANSFERRED FROM SULLIVAN TO AUSTIN FOR REASSIGNMENT - END

3/14/05 - Austin - Spill closed and consolidated with #9614852 - End

**Map Identification Number 210** **INTERSECTION**  
 **NORTH 1ST STREET**

**BROOKLYN, NY**

**Spill Number: 0403847**

**Close Date: 07/16/2004**  
 TT-Id: 520A-0046-272

**MAP LOCATION INFORMATION**  
 Site location mapped by: **MANUAL MAPPING (4)**  
 Approximate distance from property: **2232 feet to the WSW**

**ADDRESS CHANGE INFORMATION**  
 Revised street: **N 1ST ST**  
 Revised zip code: **11211**

Source of Spill: **UNKNOWN**  
 Notifier Type: **Citizen**  
 Caller Name: **ROBERTO DIAZ**  
 DEC Investigator: **TJDEMEO**

Spiller: **UNKNOWN**  
 Notifier Name: **MR RYS**  
 Caller Agency: **DEP**  
 Contact for more spill info:

Spiller Phone:  
 Notifier Phone: **(718) 263-0148**  
 Caller Phone: **(718) 595-4814**  
 Contact Person Phone:

Category: **Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.**  
 Class: **Any Type of RP Including No RP - No DEC Field Response - Corrective Action by Spill Response Not Required**

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|------------|---------------------|----------------|-------------------------|---------------------|
| 07/11/2004 |                     | UNKNOWN        | NO                      | NO                  |

| Material Spilled   | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|--------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| WASTE OIL/USED OIL | PETROLEUM      | 0                | UNKNOWN | 0                  | UNKNOWN | SOIL                 |

**Caller Remarks:**

Caller reports unknown amount of waste oil spilled at the intersection. Oil is possibly from a garage in the area since there are tire tracks left leading to the garage. No cleanup being done as of yet. FDNY put down speedy dry. This is between Driggs Ave and Bedford ave.

**DEC Investigator Remarks:**

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "DEMEO"

**Map Identification Number 211**

**FALSE ALARM LTD**

**Spill Number: 0809769**

**Close Date: 12/04/2008**

168 N. 14TH ST/ 93-101 N. 13TH ST/ 29-43 WYTHE AVENUE BROOKLYN, NY

TT-Id: 520A-0223-939

**MAP LOCATION INFORMATION**

Site location mapped by: PARCEL MAPPING (2)  
 Approximate distance from property: 2235 feet to the NNW

**ADDRESS CHANGE INFORMATION**

Revised street: 168 N 14TH ST  
 Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING

Spiller: KEN SALTZMAN - FALSE ALARM LTD

Spiller Phone:

Notifier Type: Other

Notifier Name:

Notifier Phone:

Caller Name:

Caller Agency:

Caller Phone:

DEC Investigator: jbvought

Contact for more spill info: STEVE SALTZMAN

Contact Person Phone: (347) 495-3594

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|------------|---------------------|----------------|-------------------------|---------------------|
| 12/01/2008 |                     | OTHER          | NO                      | NO                  |

| Material Spilled  | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|-------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| UNKNOWN PETROLEUM | PETROLEUM      | 0                | GALLONS | 0                  | GALLONS | SOIL                 |

**Caller Remarks:**

CALLER STATES THAT THERE WAS A TANK ABANDONMENT 03/19/2004. CALLER HAS TEST RESULTS INDICATING SOIL CONTAMINATION.

**DEC Investigator Remarks:**

Sangesland spoke to Steve Saltzman. A tank was pulled at the site 4 years ago and the report from the consultant said the owner should call into the DEC for a spill number. The owner never read the report and didn't call in a spill. Now the building is being refinanced and the bank read the report and is now asking for a copy of a closure letter. Owner needs to submit the report they have and DEC will determine if additional work is required.

12/3/08-Vought-Left message for Ken Saltzman to return call to DEC with more info. Vought received callback from Steve Saltzman and tank was abandoned in 2004 (possibly fuel oil UST) and SVOCs detected in sample analyticals. Saltzman will return call to Vought with fax number. Consultant that performed work was Hydro Tech. As per Saltzman, CSL sent to:

Mr. Jay Weitzman  
 False Alarm Limited  
 816 Avenue I  
 Brooklyn, NY 11230

Fax: (732) 382-2270

12/3/08-Vought-Received email copy of Hydro Tech report dated 4/8/04. Report entitled "Tank Abandonment". Tank was a 3000-gallon #2 fuel oil UST located in the western interior portion of the onsite building. Tank was abandoned in place via inert foam. GPR survey performed and four soil probes were performed. Soil borings samples at 2 foot intervals down to groundwater at 13'bg. No visual or olfactory evidence of petroleum contamination. Four soil samples analyzed via 8260/8270 show no TAGM 4046 Required Soil Cleanup Objective exceedences other than PAH exceedences attributable to fill material. Vought called and left message for Saltzman to return call to DEC with future use of property including possible redevelopment and requirement of installation of vapor barrier and SSDS.

12/4/08-Vought-Received phone message from Steve Saltzman that property is not being sold but is rather being refinanced and as such property use and foundation will not change and hence vapor barrier and SSDS not required. Spill closed and NFA sent to above address.

|                                                                                  |                      |                                                 |                                      |                               |
|----------------------------------------------------------------------------------|----------------------|-------------------------------------------------|--------------------------------------|-------------------------------|
| <b>Map Identification Number 212</b>                                             | <b>MANHOLE 58130</b> |                                                 | <b>Spill Number: 0909652</b>         | <b>Close Date: 12/14/2009</b> |
|  | 126 NORTH 3RD ST     | BROOKLYN, NY                                    |                                      | TT-Id: 520A-0234-005          |
| <b>MAP LOCATION INFORMATION</b>                                                  |                      | <b>ADDRESS CHANGE INFORMATION</b>               |                                      |                               |
| Site location mapped by: MANUAL MAPPING (4)                                      |                      | Revised street: NO CHANGE                       |                                      |                               |
| Approximate distance from property: 2235 feet to the WSW                         |                      | Revised zip code: NO CHANGE                     |                                      |                               |
| Source of Spill: UNKNOWN                                                         |                      | Spiller: ENV.RESPONSE TEAM - CON EDISON         | Spiller Phone:                       |                               |
| Notifier Type: Other                                                             |                      | Notifier Name:                                  | Notifier Phone:                      |                               |
| Caller Name:                                                                     |                      | Caller Agency:                                  | Caller Phone:                        |                               |
| DEC Investigator: RWAUSTIN                                                       |                      | Contact for more spill info: ENV. RESPONSE TEAM | Contact Person Phone: (212) 580-8383 |                               |

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

| Spill Date        | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|-------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 12/01/2009        |                     | UNKNOWN          | NO                      |                    | NO                  |                      |
| Material Spilled  | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| UNKNOWN PETROLEUM | PETROLEUM           | 20.00            | GALLONS                 | 0.00               | GALLONS             |                      |
| UNKNOWN PETROLEUM | PETROLEUM           | 20.00            | GALLONS                 | 0.00               | GALLONS             |                      |

Caller Remarks:

contained to structure. 20 gallons spilled over 150 gallons water

DEC Investigator Remarks:

ConEd says spill is contained in a manhole. No sewers or waterways impacted. Cleanup is underway.

12/14/09 - Austin - Containment and cleanup completed by Con Ed - see eDocs for further info - spill closed - end

Map Identification Number 213



RESIDENTS

67 NORTH 8TH STREET  
WILLIAMSBURG

BROOKLYN, NY

Spill Number: 9614853

Close Date: 03/26/1997

TT-Id: 520A-0048-957

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)  
Approximate distance from property: 2247 feet to the WNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING  
Notifier Type: Responsible Party  
Caller Name: ESTON CLARE  
DEC Investigator: ADZHITOM

Spiller: ESTON - T+S TRUCKING  
Notifier Name: MR DAVIDSON  
Caller Agency: T & S TRUCKING CO  
Contact for more spill info: N/A

Spiller Phone:  
Notifier Phone: (718) 963-0700  
Caller Phone: (718) 499-2900  
Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.  
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |  | Penalty Recommended |  |
|------------|---------------------|----------------|-------------------------|--|---------------------|--|
| 03/25/1997 |                     | OTHER          | NO                      |  | NO                  |  |

| Material Spilled | Material Class | Quantity Spilled |         | Quantity Recovered |         | Resource(s) Affected |
|------------------|----------------|------------------|---------|--------------------|---------|----------------------|
|                  |                | Units            |         | Units              |         |                      |
| #2 FUEL OIL      | PETROLEUM      | 15.00            | GALLONS | 15.00              | GALLONS | SOIL                 |

Caller Remarks:

DRIVER WAS MAKING A DELIVERY THERE AND PUMPED 15 GALLONS INTO THE BASEMENT.HE STOPPED AND LEFT.APPARENTLY OIL WAS PUT IN THE WRONG FILL.THEY ARE CLEANING UP SPILL.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "ZHITOMIRSKY"  
 THE SPILL WAS CLEANED BY T & S TRUCKING. THE DRIVER WENT AT 6:30 AM THEY ORDERED #2 OIL. AFTER HE STATED PUMPING, HE NOTICED NO VENT ALARM. HE STOPPED DELIVERY, CALLED OFFICE. T & S TRUCKING CLEANED UP THE SPILL WHICH WAS IN THE BASEMENT. NO DRAINS IN THE BASEMENT. FD RESPONDED. ASTON CLARE T & S TRUCKING 3/25/97 18:20.

**Map Identification Number 214**      **TRANSFORMER 189**      **Spill Number: 9910300**      **Close Date: 03/29/2002**  
      RODNEY ST / 1ST STREET      BROOKLYN, NY      TT-Id: 520A-0044-460

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING  
 Approximate distance from property: 2250 feet to the S

ADDRESS CHANGE INFORMATION

Revised street: RODNEY ST / S 1ST ST  
 Revised zip code: 11211

|                            |                              |                              |
|----------------------------|------------------------------|------------------------------|
| Source of Spill: UNKNOWN   | Spiller: UNKNOWN - UNKNOWN   | Spiller Phone:               |
| Notifier Type: Other       | Notifier Name: MR ZAMBRIO    | Notifier Phone:              |
| Caller Name: MARK SCHALGEL | Caller Agency: CON ED        | Caller Phone: (212) 580-6763 |
| DEC Investigator: COMENALE | Contact for more spill info: | Contact Person Phone:        |

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |  | Penalty Recommended |  |
|------------|---------------------|----------------|-------------------------|--|---------------------|--|
| 11/26/1999 |                     | UNKNOWN        | NO                      |  | NO                  |  |

| Material Spilled  | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|-------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| UNKNOWN PETROLEUM | PETROLEUM      | 1.00             | GALLONS | 0.00               | GALLONS | SOIL                 |

Caller Remarks:

CALLER REPORTING A SCHEEN OF UNK OIL IN A TM CLEAN UP NOT IN PROGRESS CONED#129102 NO CALLBACK NECESSARY

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

**Map Identification Number 215** **REPAIR SHOP**  
 341 SOUTH 1ST STREET

BROOKLYN, NY

**Spill Number: 0608796**

**Close Date: 11/30/2006**  
 TT-Id: 520A-0038-246

**MAP LOCATION INFORMATION**

Site location mapped by: MANUAL MAPPING (3)  
 Approximate distance from property: 2255 feet to the S

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER  
 Notifier Type: Other  
 Caller Name:  
 DEC Investigator: rvketani

Spiller: REAL ESTATE- MARK LIVERY - REPAIR SHOP  
 Notifier Name:  
 Caller Agency:  
 Contact for more spill info: REAL ESTATE- MARK LIVERY

Spiller Phone: (718) 238-8999  
 Notifier Phone:  
 Caller Phone:  
 Contact Person Phone: (718) 238-8999

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.  
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |  | Penalty Recommended |  |
|------------|---------------------|----------------|-------------------------|--|---------------------|--|
| 10/31/2006 |                     | OTHER          | NO                      |  | NO                  |  |

| Material Spilled | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| MOTOR OIL        | PETROLEUM      | 0                | GALLONS | 0                  | GALLONS | SOIL                 |

**Caller Remarks:**

DURING A PHASE TWO INVESTIGATION: SEVERAL PAH'S IN SOIL: METALS ALSO

**DEC Investigator Remarks:**

Sangesland left a message with Mr. Baral's office (environmental consultant) requesting the name and address for the property owner - need to send CSL

11/16 Paul Stewart called and spoke to Sangesland. Stewart works for the current owner of the site. He says the caller of this spill works for a potential purchaser and did a phase 2 on the site. Their investigation found a problem with lead and one of the SVOC's. The owner then hired Paul Stewart to replicate the Phase 2 investigation with new borings and lab samples. These samples came back below TAGM levels. Sangesland told Paul Stewart to submit both sets of data along with a letter outlining who the various players are in this property and either request closure based on Stewart's results or identify what remedial work will be done to close the case out.

11/30/06 - Raphael Ketani. The contamination was found on 10/31/06 and listed motor oil as the contaminant. Mark Lively, real estate agent for Massey & Knakal (718) 238-8999, was the seller. Several PAHs and a metal were found in the soil.

I reviewed the 11/13/06 Phase II Environmental Site Assessment report (EASR) submitted by Mr. Stewart of Advanced Cleanup Technologies, Inc. [ACT;(631) 293-4992, ext.12]. There were very low level hits (below TAGM) for toluene, and consistent hits for methylene chloride and acetone in the soil samples. There were also several low level hits for PAHs. The one groundwater sample from TW-05 had low level hits of acetone and toluene and tetrachloroethene. The RCRA metals showed high exceedences at many boring sites. In all instances, the acetone and methylene chloride hits are artifacts of laboratory cleaning of the bottles and testing equipment. The low level PAHs are typical combustion products and not representative of oil contamination. Regarding the groundwater, the low level hits suggest that the contaminants probably didn't originate from being dumped at the site, but are part of the general groundwater contamination. The metals are the only reason to remove the soil.

The 9/25/06 Phase II report from Lawrence Environmental Group, LLC contained tables which showed consist 2-butanone exceedences that were at the same level of concentration in all of the soil samples. There was also one hit each of toluene and tetrachloroethene at a very low level. Several PAHs had low level exceedences and the RCRA metals had high exceedences. As the 2-butanone hits are present in each samples and at the same level for all of the soil samples, it suggests that contaminated sampling tools were used or there was laboratory contamination. The low level PAH exceedences suggest, again, that they represent combustion products, not oil contamination. Also, this report indicates that the soil needs to be removed due to high metals concentrations.

Based upon the entire 11/13/06 EASR submitted by ACT, I am closing the spill case. There doesn't appear to be any oil contamination. I will send Mr. Stewart a spills NFA letter as he requested, but I will stipulate that the soil and fill need to be excavated as there are RCRA metals exceedences.

I sent the letter.

12/11/06 - Raphael Ketani. Will Ryman called today. He said he was the prospective buyer of the property. He asked whether the metals contamination had to be removed even though he is not developing the property. He said that he will just replace the roof and the floor. I told him that the high metals concentrations have been made known to DEC and that we can't ignore the contamination. I told him the contaminated soil has to be removed at some time. He said that he understood.

Mr. Ryman called back with Paul Stewart of Advanced Cleanup Technologies on the line. Mr. Stewart asked why the DEC put the metals stipulation in the NFA letter. I told him that the DEC was made aware of the contamination, that we can't ignore it and that it has to be cleaned up. Mr. Stewart said that all Mr. Ryman wants to do is to replace the roof and the floor and then use the building for the near future. I told him that if rain water is allowed to pass through the floor or through a hole in the floor, then the metals will eventually be washed down to the water table and will contaminate it. Mr. Stewart stated that Mr. Ryman will repair the roof first and then the floor. I told him that would be protective for the immediate future, but, eventually, the metals will have to be cleaned up. Mr. Stewart said that the site will eventually be dug up and the soil removed. He added that manifests would be provided and a cleanup report. I told him that would be fine. Mr. Stewart asked whether NYC DEP was aware of the metals contamination. I told him I didn't know, but that they will probably get involved once he applies for a permit for construction and development to other city agencies. With that the conversation ended.

1/16/07 - Raphael Ketani. Mr. O'Connor called me at 4:30PM today. He is an architect who is working with Mr. Ryman. Mr. O'Connor is with Daniel O'Connor Architects (212) 685-0472. He wanted to know whether the metals contaminated soil could be left in place indefinitely. I told him "No." I told him that sometime in the near future, the soil has to be cleaned up in the hotspots. He asked if the roof is repaired, then can he avoid digging up the ground below the concrete slab. I told him that all

contamination has to be removed.

2/6/07 - Raphael Ketani. John Sabatino of A. B. Environmental called to request clarification regarding what additional environmental work needed to be done, since an NFA letter had been issued. I told him that DEC needed a cleanup/soil removal report for the high metals soil.

2/13/07 - Raphael Ketani. William Sleites of Eurostruct Construction (917) 335-7774 called to ask what was necessary to correct the contamination at the site. He said he was a contractor who was hired by a friend of his who bought the property for an art studio. I told him the metals contamination had to be removed. He said he would hire someone for the job.

3/14/07 - Raphael Ketani. Andrew Gesparo of Landmark Consultants called. He said he has been hired to remediate the metals contaminated soil. He said that the soil will be removed soon and sent to a recycling facility - Hudson Valley in Newburgh, NY. I told him that we would need a copy of the soil analyticals, a letter from Hudson Valley accepting the soil and a copy of the permit Hudson Valley has in order to be allowed to take metals contaminated soil. He said he would send this.

4/3/07 - Raphael Ketani. Mr. Ryman called me today. He said that the cleanup company has removed all of the metals contaminated soil and has back filled with clean fill. He said that they are putting together a report that will have manifests, pictures, soil analyses, etc. He asked that a letter be sent to him if the Department finds the work to be satisfactory and the site appropriately cleaned. He asked that the letter be sent to: Will Ryman, 341 South First Street, LLC, 193 Bowery, NY, NY, 10002.

4/10/07 - Raphael Ketani. I received the metals contamination soil cleanup Site Remediation Report from Andrew Gasparro of Landmark Consultants, Inc. (212) 967-2484. The report contained soil manifests, a copy of the waste hauler permit, and pictures of the digging. The report indicates that they dug down 3 feet and left a margin of 6 feet so as not to have underpinning issues. Mr. Gasparro told me that they will put down a new concrete slab. I found the report to be acceptable.

Based upon the report, I drafted an NFA letter, based on the metals contamination removal, for Randall Austin's approval. Mr. Austin is the Chief Spills Engineer for Region 2.

4/17/07 - Raphael Ketani. I sent out the NFA letter today.

**Map Identification Number 216****MANHOLE 4376 AND BEDFORD  
AVE AND LOROMIER AVE**

BROOKLYN, NY

**Spill Number: 9914569****Close Date: 03/27/2002**

TT-Id: 520A-0050-307

## MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)  
Approximate distance from property: 2259 feet to the N

## ADDRESS CHANGE INFORMATION

Revised street: BEDFORD AVE / LORIMER AVE  
Revised zip code: 11222

|                                 |                                      |                                      |
|---------------------------------|--------------------------------------|--------------------------------------|
| Source of Spill: UNKNOWN        | Spiller: UNKNOWN                     | Spiller Phone:                       |
| Notifier Type: Affected Persons | Notifier Name: SAME                  | Notifier Phone:                      |
| Caller Name: JAY FOX            | Caller Agency: CON EDISON            | Caller Phone: (212) 580-6763         |
| DEC Investigator: JHOCONNE      | Contact for more spill info: JAY FOX | Contact Person Phone: (212) 580-6763 |

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.  
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |  | Penalty Recommended |  |
|------------|---------------------|----------------|-------------------------|--|---------------------|--|
| 03/24/2000 |                     | UNKNOWN        | NO                      |  | NO                  |  |

| Material Spilled                                                                                         | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|----------------------------------------------------------------------------------------------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| OTHER                                                                                                    | PETROLEUM      | 1.00             | GALLONS | 0.00               | GALLONS | SOIL                 |
| The following material was dropped or revised by the NYS DEC. Call Toxics Targeting for more information |                |                  |         |                    |         |                      |
| OTHER PETROLEUM                                                                                          | UNKNOWN        | 1.00             | GALLONS | 0.00               | GALLONS |                      |

Caller Remarks:

the have a 2 quart oil spill in thier manhole oil is sitting on water.con ed 130553

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "O'CONNELL"

|                                                                                    |                       |                              |                               |
|------------------------------------------------------------------------------------|-----------------------|------------------------------|-------------------------------|
| <b>Map Identification Number 217</b>                                               | <b>MH 4374</b>        | <b>Spill Number: 0007726</b> | <b>Close Date: 12/13/2001</b> |
|  | NASSAU AV/LAURAMAR AV | BROOKLYN, NY                 | TT-Id: 520A-0042-593          |

MAP LOCATION INFORMATION  
 Site location mapped by: ADDRESS MATCHING  
 Approximate distance from property: 2259 feet to the N

ADDRESS CHANGE INFORMATION  
 Revised street: NASSAU AV/LORIMER ST  
 Revised zip code: NO CHANGE

|                                 |                                     |                              |
|---------------------------------|-------------------------------------|------------------------------|
| Source of Spill: UNKNOWN        | Spiller: UNKNOWN                    | Spiller Phone:               |
| Notifier Type: Affected Persons | Notifier Name: CHRIS HOGAN          | Notifier Phone:              |
| Caller Name: RICHARD ROACH      | Caller Agency: CON EDISON           | Caller Phone: (212) 580-6763 |
| DEC Investigator: JHOCONNE      | Contact for more spill info: CALLER | Contact Person Phone:        |

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.  
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |  | Penalty Recommended |  |
|------------|---------------------|----------------|-------------------------|--|---------------------|--|
| 10/01/2000 |                     | UNKNOWN        | NO                      |  | NO                  |  |

| Material Spilled  | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|-------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| RAW SEWAGE        | OTHER          | 0                | GALLONS | 0                  | GALLONS | SOIL                 |
| UNKNOWN PETROLEUM | PETROLEUM      | 1.00             | GALLONS | 0.00               | GALLONS | SOIL                 |

Caller Remarks:

133705 sample taken clean up pending

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "O'CONNELL"  
 Con Ed e2mis #133705 Notes:

10-1-00 Found 2 pints unknown oil on 200gal water mixed with several gallons human waste. Chem Lab results returned <1ppm PCB. Environmental Operations reports cleanup completed by double washing with slix. Liquids removed by tanker, solids by vactor. No leaking equipment.

**Map Identification Number 218** **SCHOOL**  
 320 MANHATTAN AVE.

BROOKLYN, NY

**Spill Number: 0713068**

**Close Date: 03/12/2008**  
 TT-Id: 520A-0215-877

MAP LOCATION INFORMATION  
 Site location mapped by: MANUAL MAPPING (3)  
 Approximate distance from property: 2261 feet to the ESE

ADDRESS CHANGE INFORMATION  
 Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER  
 Notifier Type: Local Agency  
 Caller Name:  
 DEC Investigator: jbvought

Spiller:  
 Notifier Name:  
 Caller Agency:  
 Contact for more spill info: MUNANDRA - NYC BOARD OF E

Spiller Phone:  
 Notifier Phone:  
 Caller Phone:  
 Contact Person Phone: (314) 219-7840

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.  
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

| Spill Date       | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 03/11/2008       |                     | UNKNOWN          | NO                      |                    | NO                  |                      |
| Material Spilled | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| #2 FUEL OIL      | PETROLEUM           | 100.00           | GALLONS                 | 0.00               | GALLONS             | SOIL                 |

Caller Remarks:

Cleanup in progress.

DEC Investigator Remarks:

Jeff Vought visited the site

03/12/08-Vought-Daytime runner and site visit by Vought. Onsite were Petroleum Tank Cleaners(718-624-4842) and also Mr. Munendre Sharma(Bd. of Ed 718-349-5752). Spill caused by overfill which caused #2 fuel to run across sidewalk, down curb and into catch basin. PTC onsite with vacuum truck washing sidewalk and will also recover fuel from catch basin. Small five gallon spill also inside tank room from top of tanks and PTC will also place down speedy dry and wash affected area. Tank room floor composed of poured concrete with good epoxy seal. No odor complaints from faculty or students to date as per Sharma. Spill closed by Vought due to no impact to soil and or groundwater and cleanup by PTC.

03/14/08-Vought-Received call form Sharma who confirmed that tank room was cleaned and powerwashed. Catch basin was also cleaned and spill remains closed by Vought.

**Map Identification Number 219**  
 **351 SOUTH 1ST STREET**  
 351 SOUTH 1ST STREET  
 351 SOUTH FIRST STREET

**BROOKLYN, NY**

**Spill Number: 9608624**

**Close Date: 07/11/2002**  
 TT-Id: 520A-0051-740

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)  
 Approximate distance from property: 2271 feet to the S

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION  
 Notifier Type: Other  
 Caller Name: BROOKS PERLEE  
 DEC Investigator: SMSANGES

Spiller: DAVE MCNEIL - SHELL OIL COMPANY  
 Notifier Name: ALVA PETROLEUM  
 Caller Agency: SHELL OIL  
 Contact for more spill info: BROOKS PERLEE

Spiller Phone: (516) 365-7240  
 Notifier Phone:  
 Caller Phone: (516) 365-2489  
 Contact Person Phone: (516) 365-2489

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.  
 Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |  | Penalty Recommended |  |
|------------|---------------------|----------------|-------------------------|--|---------------------|--|
| 10/10/1996 |                     | OTHER          | NO                      |  | NO                  |  |

| Material Spilled   | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|--------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| WASTE OIL/USED OIL | PETROLEUM      | 0                | GALLONS | 0                  | GALLONS | SOIL                 |

Caller Remarks:

caller found contaminated soil while uncovering a tank

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "SANGESLAND"  
 4/4/97 mmm:DEC REC'VD REPORT STATING TANK REMOVED 10/16/96 ALONG WITH 15 YD3 OF CONT. SOIL. ENDPOINT SAMPLES HAVE HIGH VOL'S & SEMI-VOLS. REC'D GEOPROBE INVESTIGATION.

7/11/2002 - Status - No Further Action

"contamination is not significant" - six water samples taken in 1997 all were below 10 ppb of MTBE

|                                                                                    |                                           |                                      |                              |                               |
|------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------------|------------------------------|-------------------------------|
| <b>Map Identification Number 220</b>                                               | <b>SIDEWALK</b>                           |                                      | <b>Spill Number: 0403168</b> | <b>Close Date: 06/23/2004</b> |
|  | 351 SOUTH 1ST STREET                      | BROOKLYN, NY                         |                              | TT-Id: 520A-0051-741          |
| <b>MAP LOCATION INFORMATION</b>                                                    |                                           | <b>ADDRESS CHANGE INFORMATION</b>    |                              |                               |
| Site location mapped by: MANUAL MAPPING (3)                                        |                                           | Revised street: 351 S 1ST ST         |                              |                               |
| Approximate distance from property: 2271 feet to the S                             |                                           | Revised zip code: NO CHANGE          |                              |                               |
| Source of Spill: COMMERCIAL/INDUSTRIAL                                             | Spiller: UNKNOWN                          | Spiller Phone:                       |                              |                               |
| Notifier Type: Other                                                               | Notifier Name: BILL COLONIS               | Notifier Phone: (631) 979-5946       |                              |                               |
| Caller Name: BILL COLONIS                                                          | Caller Agency: NORTHEAST ENVIRONMENTAL    | Caller Phone: (631) 979-5946         |                              |                               |
| DEC Investigator: TJDEMEO                                                          | Contact for more spill info: BILL COLONIS | Contact Person Phone: (631) 979-5946 |                              |                               |

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.  
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

| Spill Date       | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 06/22/2004       |                     | OTHER            | NO                      |                    | NO                  |                      |
| Material Spilled | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| #2 FUEL OIL      | PETROLEUM           | 50.00            | GALLONS                 | 50.00              | GALLONS             | SOIL                 |

Caller Remarks:

Rain caused entered UST causing tank to overflow, 50 gal of #2 fuel oil to spill, on sidewalk located at 351 south 1st st at intersection of Keap St in Brooklyn. Caller reports norhest environmental performed clean-up and did catch basin sampling.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "DEMEO"  
Cross Ref to spill #0403143

This spill is closed

|                                                                                  |                                        |                                      |                              |                               |
|----------------------------------------------------------------------------------|----------------------------------------|--------------------------------------|------------------------------|-------------------------------|
| <b>Map Identification Number 221</b>                                             | <b>VAULT # 4066 HAS 15 GALLONS OIL</b> |                                      | <b>Spill Number: 0800933</b> | <b>Close Date: 05/19/2008</b> |
|  | IN FRONT OF 80 NORTH 5 STREET          | BROOKLYN, NY                         |                              | TT-Id: 520A-0216-008          |
| <b>MAP LOCATION INFORMATION</b>                                                  |                                        | <b>ADDRESS CHANGE INFORMATION</b>    |                              |                               |
| Site location mapped by: MANUAL MAPPING (3)                                      |                                        | Revised street: 80 N 5TH ST          |                              |                               |
| Approximate distance from property: 2274 feet to the W                           |                                        | Revised zip code: NO CHANGE          |                              |                               |
| Source of Spill: COMMERCIAL/INDUSTRIAL                                           | Spiller: ERTSDESK - CON EDISON         | Spiller Phone:                       |                              |                               |
| Notifier Type: Responsible Party                                                 | Notifier Name:                         | Notifier Phone:                      |                              |                               |
| Caller Name:                                                                     | Caller Agency:                         | Caller Phone:                        |                              |                               |
| DEC Investigator: gdbreen                                                        | Contact for more spill info: ERTSDESK  | Contact Person Phone: (212) 580-8383 |                              |                               |

| Category:  | Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters. |                |                         |                     |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------------------------|---------------------|
| Class:     | Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency                                                                         |                |                         |                     |
| Spill Date | Date Cleanup Ceased                                                                                                                                                         | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
| 04/23/2008 |                                                                                                                                                                             | UNKNOWN        | NO                      | NO                  |

| Material Spilled  | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|-------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| UNKNOWN PETROLEUM | PETROLEUM      | 15.00            | GALLONS | 0.00               | GALLONS | SOIL                 |

Caller Remarks:

STILL INVESTIGATING AND CONED # 211004

DEC Investigator Remarks:

05/19/08 - See eDocs for Con Ed report detailing cleanup and closure.

211004. see eDocs

**Map Identification Number 222**      **MH 225**      **Spill Number: 0000119**      **Close Date: 01/17/2002**  
      AINSLIE ST/LEONARD ST      BROOKLYN, NY      TT-Id: 520A-0038-637

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING  
 Approximate distance from property: 2288 feet to the SE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

|                                 |                                     |                                |
|---------------------------------|-------------------------------------|--------------------------------|
| Source of Spill: UNKNOWN        | Spiller: UNKNOWN                    | Spiller Phone:                 |
| Notifier Type: Affected Persons | Notifier Name: MR WAYNWRIGHT        | Notifier Phone: (212) 580-6763 |
| Caller Name: MARK SCHLAGEL      | Caller Agency: CON EDISON           | Caller Phone: (212) 580-6763   |
| DEC Investigator: JHOCONNE      | Contact for more spill info: CALLER | Contact Person Phone:          |

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.  
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|------------|---------------------|----------------|-------------------------|---------------------|
| 04/04/2000 |                     | UNKNOWN        | NO                      | NO                  |

| Material Spilled  | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|-------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| UNKNOWN PETROLEUM | PETROLEUM      | 1.00             | GALLONS | 0.00               | GALLONS | SOIL                 |

Caller Remarks:

no sewers no waterways 130734

-----  
DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "O'CONNELL"  
Con Ed e2mis #130734 Notes:

4-4-00 1000hrs

4qts unknown oil on top of mud in manhole 225. Sample will be taken.

5-5-00 LSN 00-03255 <1ppm PCB

7-12-00 1030hrs

Cleanup completed by double washing with slix. Liquids removed by tanker, solids by vactor. No leaking equipment. No sump.

**Map Identification Number 223**



**RESIDENCE**

381 GRAHAM AVE APT 2

BROOKLYN, NY

**Spill Number: 0811473**

**Close Date: 01/20/2009**

TT-Id: 520A-0223-941

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)  
Approximate distance from property: 2290 feet to the E

ADDRESS CHANGE INFORMATION

Revised street: 381 GRAHAM AVE  
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN  
Notifier Type: Affected Persons  
Caller Name:  
DEC Investigator: vszhune

Spiller: UNKNOWN  
Notifier Name:  
Caller Agency:  
Contact for more spill info: SARAH SMALL

Spiller Phone:  
Notifier Phone:  
Caller Phone:  
Contact Person Phone: (718) 609-5565

| Spill Date       | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 01/19/2009       |                     | UNKNOWN          | NO                      |                    | NO                  |                      |
| Material Spilled | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| MERCURY          | HAZARDOUS MATERIAL  | 0                | UNKNOWN                 | 0                  | UNKNOWN             |                      |

Caller Remarks:

Complainant noticed 20 small pieces of Mercury in her toilet bowl. When flush it comes back. Needs advice

DEC Investigator Remarks:

01/19/08- Zhune called Sarah Small (718)609-556. She said I noticed mercury in the toilet that she does not know where it come from. I told her what she have to do if spill less than two tablespoons which was her case. I also told her if spill is greater than one pond (Two tablespoons) you need to call (800) 424-8802 the National Response Center (NRC). it works 24 hours a day. 7 days a week.  
Spill Closed.

Map Identification Number 224

MANHOLE 38010  
84 MARCY AVE



BROOKLYN, NY

Spill Number: 9908504

Close Date: 06/17/2003  
TT-Id: 520A-0042-429

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)  
Approximate distance from property: 2295 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN  
Notifier Type: Other  
Caller Name: STEVE ROMERO  
DEC Investigator: COMENALE

Spiller: UNKNOWN  
Notifier Name: MR WAYNEWRIGHT  
Caller Agency: CON EDISON  
Contact for more spill info: STEVE ROMERO

Spiller Phone:  
Notifier Phone: (212) 580-6763  
Caller Phone: (212) 580-6763  
Contact Person Phone: (212) 580-6763

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |  | Penalty Recommended |  |
|------------|---------------------|----------------|-------------------------|--|---------------------|--|
| 10/13/1999 |                     | UNKNOWN        | NO                      |  | NO                  |  |

| Material Spilled  | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|-------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| UNKNOWN PETROLEUM | PETROLEUM      | 0                | GALLONS | 0                  | GALLONS | SOIL                 |

Caller Remarks:

3 qt on 40 gals of water. clean up pending test results. con ed 128-415

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

**Map Identification Number 225** **606 MANHATTAN AVENUE**  
 606 MANHATTAN AVENUE

BROOKLYN, NY

**Spill Number: 9315136**

**Close Date: 11/05/1999**  
 TT-Id: 520A-0041-414

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)  
 Approximate distance from property: 2297 feet to the NNE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

Source of Spill: UNKNOWN  
 Notifier Type: Local Agency  
 Caller Name: MARCELLA CABRAL  
 DEC Investigator: ADZHITOM

Spiller: UNK  
 Notifier Name:  
 Caller Agency: NYC DEP  
 Contact for more spill info:

Spiller Phone:  
 Notifier Phone:  
 Caller Phone: (718) 699-9811  
 Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|------------|---------------------|----------------|-------------------------|---------------------|
| 03/24/1994 |                     | UNKNOWN        | NO                      | NO                  |

| Material Spilled  | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|-------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| UNKNOWN PETROLEUM | PETROLEUM      | -2.00            | GALLONS | 0.00               | GALLONS | SOIL                 |

Caller Remarks:

TRANSIT PERSONNEL APPLIED SAND - WILL NOTIFY HAZ MAT - LEAK COMING THRU WALL OF SUBWAY.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "ZHITOMIRSKY"  
 REFER TO 98-13210 & SP00907.

**Map Identification Number 226**



91 NORTH 12TH ST

BROOKLYN, NY

**Spill Number: 0207277**

**Close Date: 11/19/2003**

TT-Id: 520A-0051-126

**MAP LOCATION INFORMATION**

Site location mapped by: MANUAL MAPPING (3)  
 Approximate distance from property: 2306 feet to the NNW

**ADDRESS CHANGE INFORMATION**

Revised street: 91 N 12TH ST  
 Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL  
 Notifier Type: Local Agency  
 Caller Name: OPERATOR #483  
 DEC Investigator: JBVOUGHT

Spiller: UNKNOWN  
 Notifier Name: ANNONOMOUS  
 Caller Agency: NYC DEP  
 Contact for more spill info: NYC DEP/OPERATOR #483

Spiller Phone:  
 Notifier Phone:  
 Caller Phone: (718) 595-6777  
 Contact Person Phone: (718) 595-6777

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.  
 Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

| Spill Date | Date Cleanup Ceased | Cause of Spill | PBS # Involved | Meets Cleanup Standards | Penalty Recommended |
|------------|---------------------|----------------|----------------|-------------------------|---------------------|
| 10/14/2002 |                     | UNKNOWN        | 2-091030       | NO                      | NO                  |

| Material Spilled  | Material Class | Quantity Spilled |         | Quantity Recovered |         | Resource(s) Affected |
|-------------------|----------------|------------------|---------|--------------------|---------|----------------------|
|                   |                | Units            |         | Units              |         |                      |
| UNKNOWN PETROLEUM | PETROLEUM      | 0                | GALLONS | 0                  | GALLONS | SEWER                |

**Caller Remarks:**

CITIZEN REPORTED THAT CONSTRUCTION COMPANY IS WORKING AT ABOVE LOCATION AND AN UNKNOWN TYPE OIL APPEARS TO BE LEAKING ON SITE AND RUNNING OFF INTO A DRAIN IN AREA. DEP IS ENROUTE TO FURTHER INVWITGATE THE PROBLEM.

**DEC Investigator Remarks:**

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "VOUGHT"  
 DEC Sigona spoke to DEC Vought on 10/15/2002. PBS database indicates that there were underground tanks removed in 2000 no longer a regulated facility.

11/19/2003-Vought-Spill to drain and DEP notified. Spill closed by Vought.

**Map Identification Number 227**  **SERVICE BOX #1906**  
144 HAVEMEYER ST

BROOKLYN, NY

**Spill Number: 0005859** **Close Date: 02/13/2002**  
TT-Id: 520A-0049-791

MAP LOCATION INFORMATION  
Site location mapped by: MANUAL MAPPING (3)  
Approximate distance from property: 2329 feet to the SSW

ADDRESS CHANGE INFORMATION  
Revised street: NO CHANGE  
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN  
Notifier Type: Affected Persons  
Caller Name: TONY LOPEZ  
DEC Investigator: JHOCONNE

Spiller: UNKNOWN  
Notifier Name: CHRIS NEVEL  
Caller Agency: CON EDISON  
Contact for more spill info: TONY LOPEZ

Spiller Phone:  
Notifier Phone:  
Caller Phone: (212) 580-6764  
Contact Person Phone: (212) 580-6764

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.  
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |  | Penalty Recommended |  |
|------------|---------------------|----------------|-------------------------|--|---------------------|--|
| 08/16/2000 |                     | UNKNOWN        | NO                      |  | NO                  |  |

| Material Spilled  | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|-------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| UNKNOWN PETROLEUM | PETROLEUM      | 1.00             | GALLONS | 0.00               | GALLONS | SOIL                 |

Caller Remarks:

sample taken cleanup pending ref #132896

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "O'CONNELL"

**Map Identification Number 228**  **TM2850**  
80 N 5TH ST

BROOKLYN, NY

**Spill Number: 0012440** **Close Date: 07/13/2001**  
TT-Id: 520A-0049-925

MAP LOCATION INFORMATION  
Site location mapped by: MANUAL MAPPING (3)  
Approximate distance from property: 2342 feet to the W

ADDRESS CHANGE INFORMATION  
Revised street: NO CHANGE  
Revised zip code: NO CHANGE

|                                 |                                            |                                      |
|---------------------------------|--------------------------------------------|--------------------------------------|
| Source of Spill: UNKNOWN        | Spiller:                                   | Spiller Phone:                       |
| Notifier Type: Affected Persons | Notifier Name: RICHARD ROACH               | Notifier Phone: (212) 580-6763       |
| Caller Name: RICHARD ROACH      | Caller Agency: CON EDISON                  | Caller Phone: (212) 580-6763         |
| DEC Investigator: OKWUOHA       | Contact for more spill info: RICHARD ROACH | Contact Person Phone: (212) 580-6763 |

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.  
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |  | Penalty Recommended |  |
|------------|---------------------|----------------|-------------------------|--|---------------------|--|
| 02/20/2001 |                     | UNKNOWN        | NO                      |  | NO                  |  |

| Material Spilled  | Material Class | Quantity Spilled |         | Quantity Recovered |         | Resource(s) Affected |
|-------------------|----------------|------------------|---------|--------------------|---------|----------------------|
|                   |                | Units            |         | Units              |         |                      |
| UNKNOWN PETROLEUM | PETROLEUM      | 0                | GALLONS | 0                  | GALLONS | SOIL                 |

Caller Remarks:

samples taken - cleanup pending labs  
 con ed # 135617  
 sheen on 30 gals water

DEC Investigator Remarks: DEC INVESTIGATOR REMARKS NOT AVAILABLE FOR THIS SPILL ACCORDING TO THE LAST UPDATE.

**The following DEC Investigator Remarks were available prior to 1/1/2002:**

E2MIS Notes 2/20/02: Frustaci - Networks found undiaperable sheen on top of 30 gallons of water.No fire or smoke. No private property affected. Historical PCB count from 1997 is 11 ppm. Unit passed pressure test. No sewers or waterways affected. No sewer connection or sump. Clean up pending lab analysis.  
 MO. 2/20/01.

**Map Identification Number 229** **BOGUMIL HOME**  
 101 ECKFORD STREET

BROOKLYN, NY

**Spill Number: 0612279**

**Close Date: 02/08/2007**  
 TT-Id: 520A-0049-609

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)  
 Approximate distance from property: 2410 feet to the NNE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING Spiller: JIM CAREY - METRO FUEL OIL CORP Spiller Phone: (718) 383-1400  
 Notifier Type: Other Notifier Name: Notifier Phone:  
 Caller Name: Caller Agency: Caller Phone:  
 DEC Investigator: SMSANGES Contact for more spill info: BOGUMIL HOME Contact Person Phone: (718) 389-0379

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.  
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |  | Penalty Recommended |  |
|------------|---------------------|----------------|-------------------------|--|---------------------|--|
| 02/08/2007 |                     | OTHER          | NO                      |  | NO                  |  |

| Material Spilled | Material Class | Quantity Spilled |         | Quantity Recovered |         | Resource(s) Affected |
|------------------|----------------|------------------|---------|--------------------|---------|----------------------|
|                  |                | Units            |         | Units              |         |                      |
| #2 FUEL OIL      | PETROLEUM      | 5.00             | GALLONS | 5.00               | GALLONS | SOIL                 |

Caller Remarks:

STORAGE TANK OVERFILL DUE TO WRONG DELIEVRY AND IS ALL CLEANED UP

DEC Investigator Remarks:

100 eckert street.  
 During a regular delivery to 100 eckert, the owner of 101 eckert asked the driver for a delivery to his house. That homeowner actually used "Consumers oil" and screwed up the various oil company names. Homeowner said he had a 550 gal tank (it was really a 275gal) At 240gal the tank overfilled.  
 3gal came out on cement driveway, 2 gal on solid sealed cement floor in basement. All cleaned within 1 hour.

**Map Identification Number 230**  
 **GREEN POINT CAR WASH, INC.**  
 (AKA AUTOCLEAN CARWASH, INC.)  
 103 ENGERT AVENUE

**Spill Number: 0705867**  
 BROOKLYN, NY  
**Close Date: 09/13/2007**  
 TT-Id: 520A-0050-869

MAP LOCATION INFORMATION  
 Site location mapped by: PARCEL MAPPING (4)  
 Approximate distance from property: 2456 feet to the NE

ADDRESS CHANGE INFORMATION  
 Revised street: 103 ENGERT AVE  
 Revised zip code: 11222

|                                        |                                                         |                                      |
|----------------------------------------|---------------------------------------------------------|--------------------------------------|
| Source of Spill: COMMERCIAL/INDUSTRIAL | Spiller: HELEN ESPINOSA - GREEN POINT CAR WASH, INC. (A | Spiller Phone: (917) 577-6080        |
| Notifier Type: Local Agency            | Notifier Name:                                          | Notifier Phone:                      |
| Caller Name:                           | Caller Agency:                                          | Caller Phone:                        |
| DEC Investigator: rvketani             | Contact for more spill info: HELEN ESPINOSA             | Contact Person Phone: (917) 577-6080 |

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |  | Penalty Recommended |  |
|------------|---------------------|----------------|-------------------------|--|---------------------|--|
| 08/23/2007 |                     | UNKNOWN        | NO                      |  | NO                  |  |

| Material Spilled | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| DIESEL           | PETROLEUM      | 2.00             | GALLONS | 0.00               | GALLONS | SOIL                 |

Caller Remarks:

MATERIAL SEEMS TO BE LEAKING FROM CAR WASH;

DEC Investigator Remarks:

8/23/07 - Raphael Ketani. I called up Sean Donohue of the NYC DEP (718) 595-5000. I asked him about the circumstances regarding the spill. He said that Helen Espinosa (917) 577-6080 had called him saying that there was spilled diesel fuel in her backyard. She told him that it spilled onto the property of the neighboring car wash. However, he didn't have any information regarding how much had spilled.

I visited the site shortly after talking to Mr. Donohue. A person at the car wash (which fronts on McGinnis Boulevard and exits on Engert Avenue) showed me the spilled oil on the car wash property. I saw an elongated stain of about 2 feet wide by 6 feet long. I could smell oil. She showed me where the oil had come from. This was the backyard of 105 Engert Avenue where a used car dealership stored its cars. I could see several drums through the chain link fence.

The car dealership was CDM Auto Sales, Inc., 109 Engert Avenue, Brooklyn, NY, (718) 683-7277. I called up the owner of the dealership, Charles DeMarino. He said that the drums aren't on his property. He said they are soap and other material for the car wash. I told him they were in his backyard. He said that he rented the backyard, but not all the way back. He said that the yard with the cars that are all the way back and the drums are part of the property owned by the same person who owns the apartment building and the property the car wash in on.

I knocked on the door of the apartment on the first floor which has access to the backyard. The woman let me through her kitchen and to the backyard. I saw that the drums contained car wash liquids. There was a strong odor of diesel fuel and there was a half full white drum containing some kind of liquid. The ground area around the drums was wet and odorous. I took a number of pictures of the backyard, the staining and the drums.

I looked up the owner of the property for the apartment building and the car wash. This is block and lot 2701 and 53. According to NYC Property Tax, 105 and 107 Engert Avenue are owned by the same party, Green Point Real Estate Corp., 86 Monitor Street,

Brooklyn, 11222-4751. The car wash is Autoclean Carwash, Inc., and is at 103 Engert Avenue, (718)782-5592. However, this address is only a street address/ mailing address. It does not appear in the property databases. So it's probably really part of 105 Engert. I called up the phone number and Young Yu answered (aka Boung Young). He said that he is the owner of the Green Poin Car Wash at 103 Engert Avenue. I told him that 3 drums of material are sitting in the backyard and that they are the property of the car wash as they have the names of car wash liquids on them. He said they are not his and he disavowed any ownership of them strongly.

8/24/07 - Raphael Ketani. I sent a CSL to both Green Point Real Estate and the Green Point Car Wash.

8/27/07 - Raphael Ketani. Emory, a worker at the car wash, called to say that the staining on the car wash property has been cleaned up. She said that the drums are owned by a Polish gentleman who speaks very little english. She said she explained to this person that the drums have to be removed by a licensed hauler. He told her he will get them cleaned up. I told her I needed receipts that the oil has been cleaned up.

Walter, the owner of the drums, called me up to say that the remediation company is coming at 12 noon to pick up the drums and clean the area. I told him to send me a copy of the receipt for the work that is done. He said he will mail me a copy.

8/29/07 - Raphael Ketani. Walter called today to say that the drums were picked up yesterday and the area was cleaned up. He said that DEC should be getting the paperwork very soon.

9/17/07 - Raphael Ketani. On 9/13/07 I received a cover letter with manifest from Feliks & Son Storage Tank Co. for the cleanup of the oil spill. The cover letter stated that 7 gals. of oil had spilled and that four drums of spent absorbent were disposed of.

Based upon the cover letter and manifest from Feliks and the small size and very small areal extent of the spill, I am closing the spill case.

10/15/07 - Raphael Ketani. Today I received a letter from Helen Spinosa stating that the owner of the drums is the tenant in apartment 4R(C?), Walter Markowski. She also stated that he was the owner of the drums and he proceeded to have them removed.

**Map Identification Number 231**



**176 GRAND ST EXT/BKLYN**

176 GRAND ST EXTENSION

NEW YORK CITY, NY

**Spill Number: 8809562**

**Close Date: 03/16/1989**

TT-Id: 520A-0043-368

**MAP LOCATION INFORMATION**

Site location mapped by: PARCEL MAPPING (2)

Approximate distance from property: 2507 feet to the WSW

**ADDRESS CHANGE INFORMATION**

Revised street: 176 GRAND ST

Revised zip code: 11211

Source of Spill: TANK TRUCK  
 Notifier Type: Responsible Party  
 Caller Name: VAL  
 DEC Investigator: JCGRATHW

Spiller: ALMAR FUEL  
 Notifier Name:  
 Caller Agency: PETROLEUM TANK CLEANERS  
 Contact for more spill info:

Spiller Phone:  
 Notifier Phone:  
 Caller Phone: (718) 624-4842  
 Contact Person Phone:

| Spill Date       | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 03/13/1989       | 03/16/1989          | UNKNOWN          | UNKNOWN                 |                    | NO                  |                      |
| Material Spilled | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| #4 FUEL OIL      | PETROLEUM           | 300.00           | GALLONS                 | 0.00               | GALLONS             | SOIL                 |

Caller Remarks:

CONTAINED IN CONCRETE TANK ROOM, PETROLEUM TANK CLEANERS HIRED. PTC CLEANED SPILL. CASE CLOSED.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "GRATHWOL"

Map Identification Number 232

**MANHOLE 4353**  
KENT AV & 10TH ST

BROOKLYN, NY

Spill Number: 9913425

Close Date: 02/28/2002  
TT-Id: 520A-0043-227

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING  
Approximate distance from property: 2531 feet to the NW

ADDRESS CHANGE INFORMATION

Revised street: KENT AV / N 10TH ST  
Revised zip code: 11211

|                                 |                              |                              |
|---------------------------------|------------------------------|------------------------------|
| Source of Spill: UNKNOWN        | Spiller: UNKNOWN             | Spiller Phone:               |
| Notifier Type: Affected Persons | Notifier Name: STEVE PACE    | Notifier Phone:              |
| Caller Name: TONY LOPEZ         | Caller Agency: CON EDISON    | Caller Phone: (212) 580-6763 |
| DEC Investigator: JHOCONNE      | Contact for more spill info: | Contact Person Phone:        |

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

| Spill Date        | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|-------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 02/27/2000        |                     | UNKNOWN          | NO                      |                    | NO                  |                      |
| Material Spilled  | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| UNKNOWN PETROLEUM | PETROLEUM           | 1.00             | GALLONS                 | 0.00               | GALLONS             | SOIL                 |

Caller Remarks:

1 GALLON UNK OIL ON 100 GALLONS OF WATER - CLEAN UP PENDING LAB RESULTS - REF #130148

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "O'CONNELL"

**Map Identification Number 233**      **MANHOLE#4353**      **Spill Number: 0502765**      **Close Date: 01/10/2008**  
      KENT AVE./ N. 10TH ST.      BROOKLYN, NY      TT-Id: 520A-0039-258

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING  
 Approximate distance from property: 2531 feet to the NW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

|                            |                                                      |                                      |
|----------------------------|------------------------------------------------------|--------------------------------------|
| Source of Spill: UNKNOWN   | Spiller: UNKNOWN NAME - UNKNOWN                      | Spiller Phone:                       |
| Notifier Type: Other       | Notifier Name: JULIO TOJERIA                         | Notifier Phone: (212) 580-6763       |
| Caller Name: LARRY COSTA   | Caller Agency: CON ED                                | Caller Phone: (212) 580-6763         |
| DEC Investigator: SKARAKHA | Contact for more spill info: ERT DESK MIKE DAUGHTERY | Contact Person Phone: (212) 580-8383 |

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |  | Penalty Recommended |  |
|------------|---------------------|----------------|-------------------------|--|---------------------|--|
| 06/06/2005 |                     | UNKNOWN        | NO                      |  | NO                  |  |

| Material Spilled  | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|-------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| UNKNOWN PETROLEUM | PETROLEUM      | 0                | GALLONS | 0                  | GALLONS | SOIL                 |

Caller Remarks:

one pint of unknown oil on 20gal of water in a manhole. This is coming off of the 24hr. diminimus program. Location is at the northwest corner of Kent Ave. when they went to the scene to clean they found light oil seeping through the walls. Will apply agent to clean walls and then they need to find the source of the oil because it will be continuous. ConEd#158995

DEC Investigator Remarks:

01/10/08 - See eDocs for Con Ed report detailing cleanup and closure.

e2mis no 158995

P. STANFORD, REPORTS FINDING APPX 1 PT OF UNK OIL ON APPX 20 GALS OF WATER IN THE STRUCTURE. NO SEWERS, WATERWAYS AFFECTED, SPILL APPEARS TO BE CONTAINED TO THE STRUCTURE. WATER IS STANDING STILL THERE IS NO VISUAL MOVEMENT, THERE IS NO SUMP IN THE STRUCTURE AND HE CANNOT VERIFY ANY SEWER CONNECTIONS AT THIS TIME. HE ALSO REPORTS VACTOR No. 60624 HAS TAKEN UP OIL AND IS CONTAMINATED. VACTOR WILL REMAIN ON LOCATION PENDING TEST RESULTS. ENVIRONMENTAL TAG NO. 43726 WAS PLACED IN THE STRUCTURE, SAMPLE TAKEN FOR PCB'S. THIS CLEANUP WILL BE TREATED AS > 50PPM, TO ALLOW ACCESS INTO THE STRUCTURE FOR THE EMERG. NO. 9 CREWS ON LOCATION.

UPDATE 6/7/05 02:35 HRS ENV SUPV R. QUIIJE REPORTS HE HE TOOK ANOTHER SAMPLE FOR A FLASH POINT TEST ON CHAIN OF CUSTODY# DD11069. THERE ARE NOW THREE SAMPLES PENDING, OIL ID, PCB, AND FLASHPOINT.

Lab Sequence Number: 05-05404-001 - Flash Point, PMCC > 176 deg F  
QC ID: 01-200506032040 - PCBs < 1 ppm

LAB RESULT RECEIVED 6/7/05 - 1049. 05-05408. OIL I.D. INDICATES A LIGHT FUEL OIL & ASPHALT.

UPDATE: 6/7/05 - 1735

A. WALKER - O.S. - ENV. OPS., REPORTS A LIGHT FUEL OIL SEEPING THROUGH THE WALLS INTO THE STRUCTURE. THIS HAS CAUSED A THICK BUILD UP THAT WILL BE SOAKED WITH BIO GEN 715 TO LOOSEN IT UP.

**Map Identification Number 234**



**MANHOLE 4353**

KENT AVE/NORTH 10TH ST

BROOKLYN, NY

**Spill Number: 0000352**

**Close Date: 06/09/2006**

TT-Id: 520A-0038-645

**MAP LOCATION INFORMATION**

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 2531 feet to the NW

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: UNKNOWN  
Notifier Type: Other  
Caller Name: RICHARD ROACH  
DEC Investigator: JHOCONNE

Spiller: UNKNOWN  
Notifier Name: MR PACE  
Caller Agency: CON EDISON  
Contact for more spill info: RICHARD ROACH

Spiller Phone:  
Notifier Phone: (212) 580-6763  
Caller Phone: (212) 580-6763  
Contact Person Phone: (212) 580-6763

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

| Spill Date        | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |         | Penalty Recommended |         |                      |
|-------------------|---------------------|----------------|-------------------------|---------|---------------------|---------|----------------------|
| 04/09/2000        |                     | UNKNOWN        | NO                      |         | NO                  |         |                      |
| Material Spilled  |                     | Material Class | Quantity Spilled        | Units   | Quantity Recovered  | Units   | Resource(s) Affected |
| UNKNOWN PETROLEUM |                     | PETROLEUM      | 2.00                    | GALLONS | 0.00                | GALLONS | SOIL                 |

Caller Remarks:

2 GALS IN THE BOTTOM OF MANHOLE. CLEAN UP PENDING. CON ED 130-821

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "O'CONNELL"  
 See also spill #s 9913425, 0000208, 0000333.  
 Also CoN Ed incident numbers 112-523, 114-664 (no corresponding DEC spill numbers).

~~~~~

e2mis no. 130-821:

4-9-00 11:30 hrs found 2 gal of thick heavy unknown oil on dry concrete floor. At this time product has no movement and there is no other oil filled equipment in structure. There is no sump in hole and no sewer connections and no sewers or waterways were affected. Spill was discovered while pulling cable for 6b57. One liquid sample taken.

Update***** 13:20hrs This job is a on going problem in this hole, refer to incidents 112523, 114664, 130148, 130766.

1915HRS--lab results returned <1.ppm

Update: 4/11/00 - 2200

C. Fernandez - O.S. - Env. Ops., reports structure cleaned by Clean Harbors to best of their ability. Thick tar like oil still oozing from northerly ducts.

UPDATE: 4/12/00 - 1500

W. Tudy - 74933 - Env. Ops., reports <1.0 ppm cleanup completed by double washing structure with slix.

Update 6/9/06

Spill closed based on final site investigation report located in eDocs App. B Site 25. (SKA)

Map Identification Number 235 **MANHOLE 4353**
 KENT AV & N 10TH ST

BROOKLYN, NY

Spill Number: 0000208

Close Date: 06/05/2000
 TT-Id: 520A-0038-641

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING
 Approximate distance from property: 2531 feet to the NW

ADDRESS CHANGE INFORMATION

Revised street: KENT AV / N 10TH ST
 Revised zip code: NO CHANGE

Source of Spill: UNKNOWN	Spiller: UNKNOWN	Spiller Phone:
Notifier Type: Other	Notifier Name: BILL WAINWRIGHT	Notifier Phone:
Caller Name: MIKE CESARE	Caller Agency: CON EDISON	Caller Phone: (212) 580-6763
DEC Investigator: JHOCONNE	Contact for more spill info: MIKE CESARE	Contact Person Phone: (212) 580-6763

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/05/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	2.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

SOLID OILY SUBSTANCE ON WALL OF MANHOLE - SAMPLE TAKEN CLEAN UP PENDING RESULTS - CON ED 130766

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
 Con Ed e2MIS notes:

Approx. 2 gallons of an unknown solid oily substance on walls of MH-4353. No water in manhole. Spill appears to be contained. Two liquid samples (PBD & ID) taken.

4/5/00, 2255 hrs: Analysis indicates presence of a substance similar to a heavy fuel oil. 54 ppm PCBs.

4/7/00, 2230 hrs: drain is cemented. Barrels were picked up. Clean up completed by double washing structure with biogen 760. Liquid waste removed by tanker. Solid waste placed into 2 barrels and picked up by Astoria transp. for disposal. No sump. No leaking equipment. Over 50 ppm clean up paperwork retained with Env. Ops.

Map Identification Number 236 **MANHOLE 4855**
 WYTHE & 4TH ST

BROOKLYN, NY

Spill Number: 0813448

Close Date: 06/22/2009
 TT-Id: 520A-0227-903

MAP LOCATION INFORMATION
 Site location mapped by: ADDRESS MATCHING
 Approximate distance from property: 2537 feet to the W

ADDRESS CHANGE INFORMATION
 Revised street: WYTHE / 4TH ST
 Revised zip code: 11211

Source of Spill: COMMERCIAL/INDUSTRIAL	Spiller: ERT - UNKNOWN	Spiller Phone:
Notifier Type: Other	Notifier Name:	Notifier Phone:
Caller Name:	Caller Agency:	Caller Phone:
DEC Investigator: asnagi	Contact for more spill info: ERT	Contact Person Phone: (212) 580-8383

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
03/13/2009		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	UNKNOWN	0	UNKNOWN	SOIL

Caller Remarks:

Caller states 8 ounces of oil is leaking from a duct into the manhole. Cleanup is pending.

DEC Investigator Remarks:

06/22/09 - See eDocs for Con Ed report detailing cleanup and closure.

Map Identification Number 237 **MANHOLE #4352**
 KENT AVE & NORTH 11TH ST

BROOKLYN, NY

Spill Number: 9914827

Close Date: 03/27/2002
 TT-Id: 520A-0039-801

MAP LOCATION INFORMATION
 Site location mapped by: ADDRESS MATCHING
 Approximate distance from property: 2563 feet to the NW

ADDRESS CHANGE INFORMATION
 Revised street: KENT AVE / NORTH 11TH ST
 Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL	Spiller: UNKNOWN - UNKNOWN	Spiller Phone:
Notifier Type: Affected Persons	Notifier Name: TONY LOPEZ	Notifier Phone: (212) 580-6763
Caller Name: TONY LOPEZ	Caller Agency: CON EDISON	Caller Phone: (212) 580-6763
DEC Investigator: JHOCONNE	Contact for more spill info: TONY LOPEZ	Contact Person Phone: (212) 580-6763

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
03/31/2000		UNKNOWN	NO		NO	

Material Spilled	Material Class	Quantity Spilled		Quantity Recovered		Resource(s) Affected
		Units		Units		
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

APPROX 2 QUARTS OF UNK OIL FOUND IN MANHOLE-HAS NOT AFFECTED ANY SEWERS OR WATERWAYS-SAMPLES TAKEN-CLEANUP PENDING. CON ED#130664

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"

Map Identification Number 238 **MANHOLE 4352**
 11TH ST & KENT AVE

Spill Number: 9913421 **Close Date: 02/28/2002**
 BROOKLYN, NY TT-Id: 520A-0043-226

MAP LOCATION INFORMATION
 Site location mapped by: ADDRESS MATCHING
 Approximate distance from property: 2563 feet to the NW

ADDRESS CHANGE INFORMATION
 Revised street: N 11TH ST / KENT AVE
 Revised zip code: 11211

Source of Spill: UNKNOWN	Spiller: UNKNOWN - UNKNOWN	Spiller Phone:
Notifier Type: Affected Persons	Notifier Name: MR PACE	Notifier Phone:
Caller Name: JIMMY FOX	Caller Agency: CON ED	Caller Phone: (212) 580-6763
DEC Investigator: JHOCONNE	Contact for more spill info:	Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/27/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

1 gal of unk oil on 100 gal of water in manhole - spill contained and samples taken and clean up pending results - con ed #130147

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"

Map Identification Number 239

MH 4352

NORTH 11TH AND KENT AVE

BROOKLYN, NY

Spill Number: 9900819

Close Date: 06/11/2002

TT-Id: 520A-0043-032

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 2563 feet to the NW

ADDRESS CHANGE INFORMATION

Revised street: NORTH 11TH ST / KENT AVE

Revised zip code: 11211

Source of Spill: UNKNOWN
 Notifier Type: Affected Persons
 Caller Name: JOE DIVOTI
 DEC Investigator: JHOCONNE

Spiller: UNKNOWN
 Notifier Name: MS NEVILLE
 Caller Agency: CON ED
 Contact for more spill info: CALLER

Spiller Phone:
 Notifier Phone:
 Caller Phone: (212) 580-6763
 Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/21/1999		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	4.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

4 GALS ON 1000 GALS WATER SAMPLES TAKEN CLEAN UP PENDING RESULTS

CON ED

124369

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
DEC INSPECTOR NOTES

No fingerprint, may be related to past pipeline spills.

5-13-99 E-mailed ERTs for copy of E2MIS report.

Con Ed e2mis #124369:

4/21/99 1754HRS - CARMINE SABATASSO #11905 CONST. SUPVR - TRANS OPS REPORTS WHILE RETIRING FUEL OIL PIPELINE #7 FOUND 4 GALS UNKNOWN OIL ON 1000 GALLONS OF WATER. SAMPLE IS BEING TAKEN BY JOHN DEKANCHUK - OS, ENV. OPS - MARKED 4 - 6 HR PRIORITY - ENV. STOP TAG INSTALLED # 2852 BY SABATASSO. SPILL IS CONTAINED TO HOLE. REPORTS PRIMARY CABLE IN THIS MH. MH4352 IS LOCATED IN INTERSECTION OF STREET. CLEAN UP PENDING SAMPLE RESULTS.

REPORTED TO CIG - J. DEVOTI @ 18:25

UPDATE

4/22/99 01:25HRS-LAB SEQ 99-04099 RESULTS <1.00PPM

UPDATE: 4/26/99 - 1615

A. WALKER - 55495 - ENV. OPS., REPORTS <1.0 PPM CLEANUP COMPLETE AND TAG #2852 REMOVED.

Map Identification Number 240 **MANHOLE 62550**
 10TH AVE AND NORTH 11TH ST

BROOKLYN, NY

Spill Number: 1007696

Close Date: 11/17/2010
 TT-Id: 520A-0257-034

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING
 Approximate distance from property: 2563 feet to the NW

ADDRESS CHANGE INFORMATION

Revised street: KENT AVE / N 11TH ST
 Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
 Notifier Type: Other
 Caller Name:
 DEC Investigator: RWAUSTIN

Spiller: CON ED
 Notifier Name:
 Caller Agency:
 Contact for more spill info: ERT

Spiller Phone:
 Notifier Phone:
 Caller Phone:
 Contact Person Phone: (212) 580-8383

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
10/20/2010		UNKNOWN	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN MATERIAL	OTHER	0.03	GALLONS	0.00	GALLONS	

Caller Remarks:

1 pint coming from a duct in the manhole - unsure of what product is - pending test results - Con Ed 223788

DEC Investigator Remarks:

11/17/10 - Austin - 1 pint of unidentified oil from unk. source leaked from duct into vault - Con Ed contained and cleaned up spill - See eDocs files for more details -Spill closed - end

Map Identification Number 241 **TWO PTS OIL IN MANHOLE #4352**
 KENT AVENUE & NORTH 11 STREET

BROOKLYN, NY

Spill Number: 0704852

Close Date: 05/12/2008
 TT-Id: 520A-0051-094

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING
 Approximate distance from property: 2563 feet to the NW

ADDRESS CHANGE INFORMATION

Revised street: KENT AVE / N 11TH ST
 Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER Spiller: ERTSDESK - CON EDISON MH #4352 Spiller Phone: (212) 580-8383
 Notifier Type: Responsible Party Notifier Name: Notifier Phone:
 Caller Name: Caller Agency: Caller Phone:
 DEC Investigator: gdbreen Contact for more spill info: ERTSDESK Contact Person Phone: (212) 580-8383

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
07/30/2007		OTHER	NO		NO	

Material Spilled	Material Class	Quantity Spilled		Quantity Recovered		Resource(s) Affected
		Units		Units		
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

2 PINTS ON 100 GALLONS OF WATER: CONED # 207272

DEC Investigator Remarks:

05/12/08 - See eDocs for Con Ed report detailing cleanup and closure.

207272. see eDocs

Map Identification Number 242 **MANHOLE # 4352** **Spill Number: 0601507** **Close Date: 08/06/2009**
 KENT AVE & NORTH 11 STREET BROOKLYN, NY TT-Id: 520A-0038-504

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING
 Approximate distance from property: 2563 feet to the NW

ADDRESS CHANGE INFORMATION

Revised street: KENT AVE / N 11TH ST
 Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL Spiller: ERT DESK - CON EDISON MH #4352 Spiller Phone: (212) 580-8383
 Notifier Type: Responsible Party Notifier Name: Notifier Phone:
 Caller Name: Caller Agency: Caller Phone:
 DEC Investigator: JMOCONNE Contact for more spill info: ERT DESK' Contact Person Phone: (212) 580-8383

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
05/10/2006		OTHER	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	5.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

5 GALLONS IN MANHOLE AND 1/2 GALLON IN STREET AND STREET IS BEING CLEANED UP: CONED # 164182

DEC Investigator Remarks:

08/18/09 - See eDocs for Con Ed report detailing cleanup and closure.

7/19/07: for some reason the spill was assigned to and closed by Sangesland on 1/4/07. Spill re-opened and assigned to O'Connell. (JHO)

08/06/09 JHO performed inspection and observation of subsequent spill reported at this manhole - see documentation at spill #0704852. Closed. (Joe O'Connell)

Map Identification Number 243 **NORTH 11 STREET AND KENT STREET** **BROOKLYN, NY** **Spill Number: 0012099** **Close Date: 02/13/2003**
 TT-Id: 520A-0045-011

MAP LOCATION INFORMATION
 Site location mapped by: ADDRESS MATCHING
 Approximate distance from property: 2563 feet to the NW

ADDRESS CHANGE INFORMATION
 Revised street: NORTH 11TH ST / KENT AV
 Revised zip code: NO CHANGE

Source of Spill: UNKNOWN	Spiller: UNKNOWN FOR NOW	Spiller Phone:
Notifier Type: Citizen	Notifier Name: SAME	Notifier Phone:
Caller Name: ANNELLS BERL	Caller Agency: CITIZEN	Caller Phone: (718) 599-0911
DEC Investigator: TJDEMEO	Contact for more spill info: ANNELLS BERL	Contact Person Phone: (718) 599-0911

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
02/09/2001		UNKNOWN	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
PAINT	OTHER	20.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

HE NOTICED IT ON HIS WAY HOME THE SPILL IS IN THE STREET.

CALL COMPLAINT

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "DEMEO"
2/13/2003 - Closed Due To The Nature / Extent Of The Spill Report

Map Identification Number 244 **MANHOLE 62550** **Spill Number: 0007344** **Close Date: 09/26/2000**
 KENT AV/NORTH 11 ST BROOKLYN, NY TT-Id: 520A-0045-008

MAP LOCATION INFORMATION
 Site location mapped by: ADDRESS MATCHING
 Approximate distance from property: 2563 feet to the NW

ADDRESS CHANGE INFORMATION
 Revised street: KENT AV/NORTH 11TH ST
 Revised zip code: NO CHANGE

Source of Spill: UNKNOWN	Spiller: UNKNOWN	Spiller Phone:
Notifier Type: Other	Notifier Name: CHRIS HOGAN	Notifier Phone:
Caller Name: CHARLIE MCCARTHY	Caller Agency: CON EDISON	Caller Phone: (212) 580-6763
DEC Investigator: JHOCONNE	Contact for more spill info: CHARLIE MCCARTHY	Contact Person Phone: (212) 580-6763

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
09/22/2000		UNKNOWN	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

3 OZ'S PRODUCT ON 500 GALS WATER CONFINED TO MANHOLE - SAMPLE TAKEN CLEAN UP PENDING RESULTS - CON ED 133542

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
e2MIS Notes:

3oz. unknown oil on 550 gallons of water in MH-62550. 1 sample taken for PCB and tag #27922 placed. Chem lab #00-09153 returned as <1ppm PCB.

Update 9/23/00: Cleanup complete and sump cemented. Tag removed.

Map Identification Number 245 **VAULT 3223** **Spill Number: 0007337** **Close Date: 11/28/2001**
 KENT AVE/ N 11TH ST BROOKLYN, NY TT-Id: 520A-0038-756

MAP LOCATION INFORMATION
 Site location mapped by: ADDRESS MATCHING
 Approximate distance from property: 2563 feet to the NW

ADDRESS CHANGE INFORMATION
 Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: UNKNOWN	Spiller: UNKNOWN - UNKNOWN	Spiller Phone:
Notifier Type: Affected Persons	Notifier Name: MR PACE	Notifier Phone:
Caller Name: JIMMY FOX	Caller Agency: CON ED	Caller Phone: (212) 580-6763
DEC Investigator: JHOCONNE	Contact for more spill info: CALLER	Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/22/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	2.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

CALLER REPOTING A SPILL OF UNK SOURCE CONED#133540 SAMPLES TAKEN CLEAN UP PENDING LAB RESULTS NO CALLBACK NECESSARY

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
 Con Ed e2mis #133540 Notes:

9-22-00 2oz unknown oil on 636gal water in manhole. Sample returned <1ppm PCB. Pressure tested OK. Cleanup completed by double washing with slix. Liquids removed by tanker, solids by vactor. No leaking equipment. Sump cemented.

Map Identification Number 246

MANHOLE 4352
 KENT AVE/N. 11TH AVE

BROOKLYN, NY

Spill Number: 0006192

Close Date: 12/18/2001
 TT-Id: 520A-0045-007

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING
 Approximate distance from property: 2563 feet to the NW

ADDRESS CHANGE INFORMATION

Revised street: KENT AV/NORTH 11TH ST
 Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
 Notifier Type: Affected Persons
 Caller Name: STEVE ROMARO
 DEC Investigator: JHOCONNE

Spiller: UNKNOWN - UNKNOWN
 Notifier Name: MR PACE
 Caller Agency: CON ED
 Contact for more spill info: CALLER

Spiller Phone:
 Notifier Phone:
 Caller Phone: (212) 580-6763
 Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
08/24/2000		UNKNOWN	NO		NO	

Material Spilled	Material Class	Quantity Spilled		Quantity Recovered		Resource(s) Affected
		Units		Units		
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

CALLER REPORTING A SPILL OF UNK SOURCE CONED#133027 SAMPLES TAKEN CLEAN UP PENDING LAB RESULTS NO CALLBACK NECESSARY ON 1000 GAL OF WATER

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"

Map Identification Number 247 **MANHOLE 4352** **Spill Number: 0000333** **Close Date: 08/17/2006**
 KENT AV & N 11TH ST BROOKLYN, NY TT-Id: 520A-0038-644

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING
 Approximate distance from property: 2563 feet to the NW

ADDRESS CHANGE INFORMATION

Revised street: KENT AV / N 11TH ST
 Revised zip code: NO CHANGE

Source of Spill: UNKNOWN	Spiller: UNKNOWN	Spiller Phone:
Notifier Type: Affected Persons	Notifier Name: MR PACE	Notifier Phone: (212) 580-6763
Caller Name: JIMMY FOX	Caller Agency: CON ED	Caller Phone: (212) 580-6763
DEC Investigator: JHOCONNE	Contact for more spill info:	Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/08/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN MATERIAL	OTHER	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

1/5 GALLON UNK HEAVY SOLID IN THE MAHOLE - DRY CONCRETE FLOOR - CLEAN UP PENDING TEST RESULTS - REF # 130814

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
 See also spill # 0000352. Also, Con Ed incident numbers 112-523 and 114-664 (no DEC numbers associated with these).

8/17/06: spill closed based on final remedial action report contained in eDocs - Con Ed App. B Site 25. (JHO)

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e2mis no. 130-814:

4-8-00: 1/2 gal of unknown heavy substance coming from duct on dry concrete floor in a small area 1 x 1. This job was just cleaned under incident # 130664 4-5-00 with results similar to fuel oil and lab seq # 00-03075 <1.0 ppm. Spill was discovered while doing sch work on 6b57. The only sample that can be taken will be a solid sample can not get any oil off of sludge.

Update\*\*\*\*\* 11:15hrs lab seq# 00-03427 2. ppm

Update: 4/10/00 - 1345 cleanup completed by double washing structure with slix. Liquid waste removed by tanker. Solid waste removed by vactor. No leaking equip. No sump.

**Map Identification Number 248**      **APARTMENT BUILDING**      **Spill Number: 0311641**      **Close Date: 02/27/2004**  
 360 SOUTH 1ST STREET      BROOKLYN, NY      TT-Id: 520A-0040-457

**MAP LOCATION INFORMATION**

Site location mapped by: PARCEL MAPPING (2)  
 Approximate distance from property: 2565 feet to the S

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

|                                   |                                         |                                      |
|-----------------------------------|-----------------------------------------|--------------------------------------|
| Source of Spill: PRIVATE DWELLING | Spiller: CARMELLA - PETRO OIL COMPANY   | Spiller Phone: (718) 628-3351        |
| Notifier Type: Responsible Party  | Notifier Name: CARMELLA DATURRIS        | Notifier Phone: (718) 628-3351       |
| Caller Name: CARMELLA DATURRIS    | Caller Agency: PETRO OIL CO,            | Caller Phone: (718) 628-3351         |
| DEC Investigator: SMSANGES        | Contact for more spill info: MRS. KNOLL | Contact Person Phone: (718) 384-6461 |

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

| Spill Date       | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 01/15/2004       |                     | UNKNOWN          | NO                      |                    | NO                  |                      |
| Material Spilled | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| #4 FUEL OIL      | PETROLEUM           | 10.00            | GALLONS                 | 0.00               | GALLONS             | SOIL                 |

Caller Remarks:

UNKNOWN WHAT HAPPENED, CAME OUT OF TANK, WILL LOOK INTO FURTHER.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "SANGESLAND"  
 Milro did cleanup - closed

|                                      |                         |  |                              |                               |
|--------------------------------------|-------------------------|--|------------------------------|-------------------------------|
| <b>Map Identification Number 249</b> | <b>PRIVATE DWELLING</b> |  | <b>Spill Number: 0911958</b> | <b>Close Date: 02/12/2010</b> |
| 184 RICHARDSON STREET                | BROOKLYN, NY            |  |                              | TT-Id: 520A-0248-308          |

MAP LOCATION INFORMATION  
 Site location mapped by: PARCEL MAPPING (3)  
 Approximate distance from property: 2569 feet to the ENE

ADDRESS CHANGE INFORMATION  
 Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

|                                   |                                               |                                      |
|-----------------------------------|-----------------------------------------------|--------------------------------------|
| Source of Spill: PRIVATE DWELLING | Spiller: ALEXANDRA SUMNER - UNKNOWN           | Spiller Phone:                       |
| Notifier Type: Other              | Notifier Name:                                | Notifier Phone:                      |
| Caller Name:                      | Caller Agency:                                | Caller Phone:                        |
| DEC Investigator: HRAHMED         | Contact for more spill info: ALEXANDRA SUMNER | Contact Person Phone: (917) 386-8566 |

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.  
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|------------|---------------------|----------------|-------------------------|---------------------|
| 02/11/2010 |                     | UNKNOWN        | NO                      | NO                  |

| Material Spilled  | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|-------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| UNKNOWN PETROLEUM | PETROLEUM      | 0                | UNKNOWN | 0                  | UNKNOWN | INDOOR AIR           |

Caller Remarks:

STRONG ODOR OF PETROLEUM PRODUCTS NOTICED INSIDE HOME SINCE LAST WEDNESDAY (ON THAT DAY THE ODOR WAS STRONG ENOUGH TO FORCE EVERYONE OUT OF THE BUILDING) AND HAS SINCE DECOME LESS PROMINENT BUT STILL EXISTS. NEIGBORS ACROSS THE STREET ALSO NOTICE THE ODOR, OIL COMPNAY HAS DONE AN INSPECTION AND HAS FOUND NO LEAKS INSIDE THE HOME. CALLER CLAIMS DEC INSPECTED PREMISES ON MONDAY OF THIS WEEK ALREADY (?)

DEC Investigator Remarks:

02/12/10-HRAHMED-Spoke to Ms Sumner. This is a duplicate spill of spill#0911853. As per her, the odor is less than the last time DEC investigated, but it is still there. Since the odor is musty or sewer type, I suggested her to consult with DEP to check if they have any problem in their main sewer line in that area or with a plumber to check that the sewer trap in the house is working and there is no sewer leak in the house. She said she will do that. She was referencing the meeker ave plume investigation and asking if her house can be included in the investigation. She told she will contact dave Harrington to check if

he can do an investigation in her house as part of Meeker Ave plume investigation.

Based on the fact that there was no visible evidence of oil spill in her basement (checked the sump pump, drain cover, oil tank, boiler, fill port and vent line) and noticed no petroleum type of odor in her house during the last investigation on 02/08/10, the case is closed.

**Map Identification Number 250** **SUMNER RESIDENCE** **Spill Number: 0911853** **Close Date: 02/10/2010**  
 184 RICHARDSON ST BROOKLYN, NY TT-Id: 520A-0248-305

**MAP LOCATION INFORMATION**

Site location mapped by: PARCEL MAPPING (3)  
 Approximate distance from property: 2569 feet to the ENE

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING Spiller: ALEXANDRA SUMNER - ALEXANDRA SUMNER Spiller Phone:  
 Notifier Type: Other Notifier Name: Notifier Phone:  
 Caller Name: Caller Agency: Caller Phone:  
 DEC Investigator: HRAHMED Contact for more spill info: ALEXANDRA SUMNER Contact Person Phone: (917) 386-8586

| Spill Date        | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|-------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 02/03/2010        |                     | UNKNOWN          | NO                      |                    | NO                  |                      |
| Material Spilled  | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| UNKNOWN PETROLEUM | PETROLEUM           | 0                | UNKNOWN                 | 0                  | UNKNOWN             |                      |

**Caller Remarks:**

ODOR COMING FROM THE SEWER AND WELL IN THE BASEMENT. FUEL COMPANY CANNOT FIND THE SOURCE.FD WAS ON SCENE; UNKNOWN ODOR. CALLER STATES EVERY TIME IT RAINS THE WATER FROM THE NEIGHBORHOOD COMES INTO THE SEWER.

**DEC Investigator Remarks:**

02/8/10-Vought-Duty desk officer. DEC Austin received call from Ms. Sumner (via NYSDOH Dawn Hettrick). Ms. Sumner indicated that odors began approximately three days ago and were petroleum odors that were coming from her sewer trap. She noted that neighbor across Richardson Street also observed petroleum odors as well. She had oil company inspect her 275-gallon #2 fuel oil AST and they noted no current leakage. DEC Ahmed (runner) to perform site visit.

02/08/10-HRAHMED-Responded to the site as Daytime Runner. Met with houseowner Ms Alexandra Sumner (917 386 8586). As per her, she

has been noticing strong petroleum type odor in her basement and hallway since 02/04/10. It is becoming less, but today its more like sewer odor. DEP inspector Emmanuel (718 923 2716) was at the scene. DEP received a odor complaint from resident of 177 Richardson St. But he didn't have access to that address at that time. Went to basement with Alexandra and Emmanuel. Noticed musty odor in the basement. Checked the sump pump area, it was dry. Checked the drainage pipe, noticed no sheen. Checked the Oil tank and the burner, noticed no sign of leakage. Suggested Alexandra to ventilate the place. Spoke to the resident of 175 Richardson St. As per him he didn't notice any odor in his residence.

Since there is no evidence to oil spill nor petroleum like odor, this case is closed.

**Map Identification Number 251**      **MANHOLE 55946B**      **Spill Number: 9901924**      **Close Date: 01/29/2004**  
      HUMBOLT ST MCGUINESS ST      BROOKLYN, NY      TT-Id: 520A-0043-054

**MAP LOCATION INFORMATION**

Site location mapped by: ADDRESS MATCHING  
 Approximate distance from property: 2576 feet to the ENE

**ADDRESS CHANGE INFORMATION**

Revised street: HUMBOLDT ST / MC GUINNESS BLVD S  
 Revised zip code: 11222

|                                                  |                                             |                                      |
|--------------------------------------------------|---------------------------------------------|--------------------------------------|
| Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER | Spiller: FRANK MASSERIA - MANHOLE 55946B    | Spiller Phone: (212) 580-6763        |
| Notifier Type: Responsible Party                 | Notifier Name: MS MCQUEEN                   | Notifier Phone: (718) 204-4478       |
| Caller Name: FRANK MASSERIA                      | Caller Agency: CON EDISON                   | Caller Phone: (212) 580-6763         |
| DEC Investigator: CAENGELH                       | Contact for more spill info: FRANK MASSERIA | Contact Person Phone: (212) 580-6763 |

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.  
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

| Spill Date       | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 05/19/1999       |                     | UNKNOWN          | NO                      |                    | NO                  |                      |
| Material Spilled | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| DIELECTRIC FLUID | PETROLEUM           | 2.00             | GALLONS                 | 0.00               | GALLONS             | SOIL                 |

**Caller Remarks:**

spill in manhole approx 2 gal spilled contained to hole

**DEC Investigator Remarks:**

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "ENGELHARDT" e2mis no. 124978:

approx 2000 gallons of water and approx 2 gallons of oil. All contained in manhole. Chem Lab was notified and will come take samples.

X Removed/recovered liquid.

X Removed visible traces of oil.

Cleanup completed on Date: 5/24/99 at 14:00

**Map Identification Number 252** **MANHOLE #4382**  
 640 MANHATTAN AVE

BROOKLYN, NY

**Spill Number: 9911493**

**Close Date: 02/15/2002**

TT-Id: 520A-0042-467

**MAP LOCATION INFORMATION**

Site location mapped by: PARCEL MAPPING (2)  
 Approximate distance from property: 2585 feet to the NNE

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

Source of Spill: UNKNOWN  
 Notifier Type: Local Agency  
 Caller Name: RICHARD ROACH  
 DEC Investigator: CAENGELH

Spiller: UNKNOWN - UNKNOWN  
 Notifier Name: RICHARD ROACH  
 Caller Agency: CON EDISON  
 Contact for more spill info: RICHARD ROACH

Spiller Phone:  
 Notifier Phone: (212) 580-6764  
 Caller Phone: (212) 580-6763  
 Contact Person Phone: (212) 580-6763

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.  
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|------------|---------------------|----------------|-------------------------|---------------------|
| 01/03/2000 |                     | UNKNOWN        | NO                      | NO                  |

| Material Spilled  | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|-------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| UNKNOWN PETROLEUM | PETROLEUM      | 1.00             | GALLONS | 0.00               | GALLONS | SOIL                 |

**Caller Remarks:**

1 gal unk oil on 100 gals of water - sample taken clean up pending lab results

con ed #129466

**DEC Investigator Remarks:**

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "ENGELHARDT"

**Map Identification Number 253** **MULTIPLE FAMILY**  
 335 UNION AVE

**Spill Number: 0607343** **Close Date: 09/27/2006**  
 BROOKLYN, NY TT-Id: 520A-0038-223

**MAP LOCATION INFORMATION**  
 Site location mapped by: PARCEL MAPPING (2)  
 Approximate distance from property: 2593 feet to the SSE

**ADDRESS CHANGE INFORMATION**  
 Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING Spiller: RICH TURCHIANO - MULTIPLE FAMILY Spiller Phone: (718) 444-3400  
 Notifier Type: Other Notifier Name: Notifier Phone:  
 Caller Name: Caller Agency: Caller Phone:  
 DEC Investigator: rvketani Contact for more spill info: RICH TURCHIANO Contact Person Phone: (718) 444-3400

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |  | Penalty Recommended |  |
|------------|---------------------|----------------|-------------------------|--|---------------------|--|
| 09/27/2006 |                     | OTHER          | NO                      |  | NO                  |  |

| Material Spilled | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| #2 FUEL OIL      | PETROLEUM      | 0                | GALLONS | 0                  | GALLONS | SOIL                 |

Caller Remarks:  
 LESS THEN 1/2 GALLON- CAME OUT OF VENT PIPE AND WENT ON SIDE WALK- ALL CLEANED UP

DEC Investigator Remarks:  
 9/27/06 - Raphael Ketani. I spoke to Mr. Turchiano of Madison Oil (718) 444-3400. He said that the oil came out the vent pipe because the tank was full. He said that only 1/2 gal. spilled out and was cleaned up. I spoke to the owner of the building, Mr. George Nushen (516) 808-7643, and he said that a very small spill of about a pint or two took place 3 or 4 months ago due to the tank being full when the oil was being pumped in (there is no record in the database for this spill). The oil ran down the side of the tank and onto the concrete floor. He said he will call Mr. Turchiano and find out what happened today. He called me back and said that it was a new small oil spill. He said that the oil came out inside of the basement and there are vapors. I told him to have Madison Oil come over and clean up the oil that is on the cement casing and to get a fan, open up the one basement window and blow the vapors out of the basement. He said he will do this.

I called Mr. Turchiano back regarding the spill 3 or 4 months ago. He said that was Mr. Nushen's last delivery. He said he wasn't aware anything had happened - Mr. Nushen never called to complain. Mr. Turchiano said that a gas water heater was installed in

the building and that's why the driver found the tank full. He said that Madison will adjust its delivery schedule accordingly.

Based upon the information above, I am closing the spill case.

**Map Identification Number 254** **MANHOLE # 62847** **Spill Number: 0402785** **Close Date: 01/24/2005**  
 **BANKER/NORMAND AVE** **BROOKLYN, NY** **TT-Id: 520A-0042-720**

**MAP LOCATION INFORMATION**

Site location mapped by: ADDRESS MATCHING  
 Approximate distance from property: 2593 feet to the NNW

**ADDRESS CHANGE INFORMATION**

Revised street: BANKER ST / NORMAN AVE  
 Revised zip code: NO CHANGE

Source of Spill: UNKNOWN Spiller: ERT DESK - CON ED Spiller Phone: (212) 580-8383  
 Notifier Type: Responsible Party Notifier Name: LARRY COSTA Notifier Phone: (212) 580-6763  
 Caller Name: LARRY COSTA Caller Agency: CON ED Caller Phone: (212) 580-6763  
 DEC Investigator: JHOCONNE Contact for more spill info: ERT DESK Contact Person Phone: (212) 580-8383

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|------------|---------------------|----------------|-------------------------|---------------------|
| 06/14/2004 |                     | UNKNOWN        | NO                      | NO                  |

| Material Spilled  | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|-------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| UNKNOWN PETROLEUM | PETROLEUM      | 4.00             | GALLONS | 0.00               | GALLONS | SOIL                 |

Caller Remarks:

ON 3000 GALLONS OF WATER, FOUND DURING INSPECTION: SAMPLES WERE TAKEN: NO TO 5 QUESTIONS AND IS CONTAINED:

DEC Investigator Remarks:

e2mis no. 153836:

APPROX. 4 GAL'S OF UNKNOWN OIL ON APPROX. 3000 GAL'S OF WATER. 1 LIQ. SAMPLE TAKEN FROM SPILL

Lab Sequence Number: 04-04611-001 - TOTAL PCB 48 ppm

Lab Sequence Number: 04-04612-001 - Analysis indicates the presence of a substance similar to a dielectric fluid.

Cleanup completed on:  
 Date 7/23/04  
 Time 1515 hrs  
 Name of cleanup contractor: Clean Harbors  
 Cause of Spill: Unknown

Name of Con Edison employee who inspected manhole and determined that manhole was cleaned and that repairs were adequate - There is no evidence of any leakage on the repair or anywhere else in the manhole: Sam Walker

**Map Identification Number 255**      **TM 641**      **Spill Number: 0004919**      **Close Date: 10/23/2001**  
      BANKER ST & NORMAN AVE      BROOKLYN, NY      TT-Id: 520A-0038-710

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING  
 Approximate distance from property: 2593 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: BANKER ST / NORMAN AVE  
 Revised zip code: NO CHANGE

|                                 |                                           |                                      |
|---------------------------------|-------------------------------------------|--------------------------------------|
| Source of Spill: UNKNOWN        | Spiller: UNKNOWN                          | Spiller Phone:                       |
| Notifier Type: Affected Persons | Notifier Name: MR WAINWRIGHT              | Notifier Phone: (212) 580-6763       |
| Caller Name: STEVE ROMERO       | Caller Agency: CON EDISON                 | Caller Phone: (212) 580-6763         |
| DEC Investigator: JHOCONNE      | Contact for more spill info: STEVE ROMERO | Contact Person Phone: (212) 580-6763 |

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.  
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

| Spill Date        | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|-------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 07/25/2000        |                     | UNKNOWN          | NO                      |                    | NO                  |                      |
| Material Spilled  | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| UNKNOWN PETROLEUM | PETROLEUM           | 1.00             | GALLONS                 | 0.00               | GALLONS             | SOIL                 |

Caller Remarks:

CLEANUP PENDING TEST RESULTS - 1 PINT ON 300GAL OF WATER REF #132544

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "O'CONNELL"  
 Con Ed e2mis Notes:

7/25/00 1 pint unknown oil on 300gal water in transformer manhole. Liquid sample taken. Historical PCB count is 10ppm. Pressure tested transformer and held pressure. Sample returned <1ppm. Cleanup completed by double washing with slix. Liquids removed by tanker, solids by vactor. No leaking equipment. No sump in hole.

**Map Identification Number 256**      **VS 6291**      **Spill Number: 0300193**      **Close Date: 07/18/2003**  
      KEAP ST/S 2ND ST      BROOKLYN, NY      TT-Id: 520A-0039-074

**MAP LOCATION INFORMATION**

Site location mapped by: ADDRESS MATCHING  
 Approximate distance from property: 2602 feet to the S

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

|                                  |                                     |                                |
|----------------------------------|-------------------------------------|--------------------------------|
| Source of Spill: UNKNOWN         | Spiller: UNKNOWN - UNKNOWN          | Spiller Phone:                 |
| Notifier Type: Responsible Party | Notifier Name: MR WAINWRIGHT        | Notifier Phone: (212) 580-6763 |
| Caller Name: MARK SCHLAGEL       | Caller Agency: CON EDISON           | Caller Phone: (212) 580-6763   |
| DEC Investigator: KMFOLEY        | Contact for more spill info: CALLER | Contact Person Phone:          |

Category: Possible petroleum release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters, known releases with no potential for damage, or non-petroleum/non-hazardous spills.

Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|------------|---------------------|----------------|-------------------------|---------------------|
| 04/05/2003 |                     | UNKNOWN        | NO                      | NO                  |

| Material Spilled  | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|-------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| UNKNOWN PETROLEUM | PETROLEUM      | 0                | GALLONS | 0                  | GALLONS | SOIL                 |

Caller Remarks:

OIL SHEEN DISCOVERED ON 30 GAL WATER IN VS (UNIT IN IT). LAB RESULTS ARE LESS THAN 1 PPM PCB

CLEANUP PENDING CREW

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "FOLEY"  
 Con Ed e2mis #147788:

4/5/03 0850hrs - Steve Fuller # 37342 Splicer, Networks reports while on location to do maintenance work on new transformer

installed 1/8/03 found and undiaperable (1 oz) sheen of oil on 30 gallons water in VS6291. Mfg tag on unit reads 0 ppm pcb. Pressure tested unit - okay. Checked oil level - Good. Unit on fdr 6b58. Env. stop tag # 39183 placed. Cement sump in structure as per previous incident #145720. Sample taken marked E priority - 24 hr program - chain of custody # CC11879. Clean up pending test results.

4/05/03 20:12 HRS. PCB RESULTS: <1.0 PPM, LAB SEQ # 03-02853.

4/6/03 04:56 HRS. NOT ABLE TO CLEAN STRUCTURE UNTIL AM SHIFT DUE TO FLUSH TRUCKS NEEDED FOR #9 AND FOD.

Update - 4/6/03 1005hrs

B. Tudy env. ops mech reports clean up completed by double washing with 760 biogen. Removed env. stop tag # 39183. No leaking co. equipment found.

Found cement sump in structure.

Clean up completed 100%.

**Map Identification Number 257** **MANHOLE # 264, NYNEX** **Spill Number: 9411708** **Close Date: 03/06/1995**  
 **KENT AVE / N. 12TH STREET** **BROOKLYN, NY** **TT-Id: 520A-0039-403**

**MAP LOCATION INFORMATION**  
 Site location mapped by: ADDRESS MATCHING  
 Approximate distance from property: 2611 feet to the NW

**ADDRESS CHANGE INFORMATION**  
 Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

|                                 |                              |                              |
|---------------------------------|------------------------------|------------------------------|
| Source of Spill: UNKNOWN        | Spiller: UNKNOWN             | Spiller Phone:               |
| Notifier Type: Affected Persons | Notifier Name:               | Notifier Phone:              |
| Caller Name: ROBERT MILLER      | Caller Agency: CLEAN HARBORS | Caller Phone: (908) 248-1997 |
| DEC Investigator: MCTIBBE       | Contact for more spill info: | Contact Person Phone:        |

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.  
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|------------|---------------------|----------------|-------------------------|---------------------|
| 12/02/1994 |                     | UNKNOWN        | NO                      | NO                  |

| Material Spilled | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| #6 FUEL OIL      | PETROLEUM      | 30.00            | GALLONS | 30.00              | GALLONS | SURFACE WATER        |

Caller Remarks:

FOUND IN NYNEX MANHOLE.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TIBBE"  
OIL FOUND IN MANHOLE; NOT A SURFACE WATER SPILL. CLEANED BY NYNEX.

**Map Identification Number 258**      **N 12TH ST & KENT AVE/BKLY**      **Spill Number: 8903958**      **Close Date: 07/21/1989**  
      NORTH 12TH ST & KENT AVE      NEW YORK CITY, NY      TT-Id: 520A-0039-343

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING  
Approximate distance from property: 2611 feet to the NW

ADDRESS CHANGE INFORMATION

Revised street: NORTH 12TH ST / KENT AVE  
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL      Spiller: STANDARD WHITE METALS COR      Spiller Phone: (718) 963-2200  
 Notifier Type: Local Agency      Notifier Name:      Notifier Phone:  
 Caller Name: BRETT KOCH      Caller Agency: NYCPD      Caller Phone: (212) 375-5580  
 DEC Investigator: SIGONA      Contact for more spill info:      Contact Person Phone:

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|------------|---------------------|----------------|-------------------------|---------------------|
| 07/21/1989 | 07/21/1989          | UNKNOWN        | UNKNOWN                 | NO                  |

| Material Spilled | Material Class | Quantity Spilled | Units  | Quantity Recovered | Units  | Resource(s) Affected |
|------------------|----------------|------------------|--------|--------------------|--------|----------------------|
| ZINC OXIDE       | OTHER          | 500.00           | POUNDS | 0.00               | POUNDS | SOIL                 |

Caller Remarks:

CHEMICAL FIRE IN PROGRESS, FIRE CAUSED BUILDING TO BE COVERED WITH ZINC OXIDE POWDER DUST.

DEC Investigator Remarks: DEC INVESTIGATOR REMARKS NOT AVAILABLE FOR THIS SPILL ACCORDING TO THE LAST UPDATE.

**The following DEC Investigator Remarks were available prior to 1/1/2002:**

07/21/89: 20 SQUARE BLOCKS EVACUATED, FIRE DEPT HAZMAT ON SCENE, EPA NOTIFIED,CLEAN UP MEASURES GIVEN BY EPA STANDARDS, HEALTH DEPT & OSHA COLLABORATED WITH EPA.

**Map Identification Number 259** **207270; N 12 ST; VS-3477**  
 N 12 ST; VS-3477  
 N/S N 12 ST 245' W/O KENT AVE

, NY

**Spill Number: 0890447** **Close Date: 08/16/2010**  
 TT-Id: 520A-0217-965

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)  
 Approximate distance from property: 2611 feet to the NW

ADDRESS CHANGE INFORMATION

Revised street: N SIDE N 12TH ST 245FT W OF KENT AVE  
 Revised zip code: 11211

|                                        |                                       |                                      |
|----------------------------------------|---------------------------------------|--------------------------------------|
| Source of Spill: COMMERCIAL/INDUSTRIAL | Spiller: ERT DESK - CON EDISON        | Spiller Phone:                       |
| Notifier Type: Responsible Party       | Notifier Name:                        | Notifier Phone:                      |
| Caller Name:                           | Caller Agency:                        | Caller Phone:                        |
| DEC Investigator: JMZALEWS             | Contact for more spill info: ERT DESK | Contact Person Phone: (212) 580-8383 |

Category: Possible petroleum release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters, known releases with no potential for damage, or non-petroleum/non-hazardous spills.  
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |  | Penalty Recommended |  |
|------------|---------------------|----------------|-------------------------|--|---------------------|--|
| 07/30/2007 |                     | UNKNOWN        | NO                      |  | NO                  |  |

| Material Spilled  | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|-------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| UNKNOWN PETROLEUM | PETROLEUM      | 3.00             | GALLONS | 0.00               | GALLONS | UTILITY              |

Caller Remarks:

VS-3477 (6B42) FOUND APPROX 3 GAL OF UNKNOWN OIL ON 1000 GAL OF WATER.  
 Pending: Operational Necessity for Business Units Other Than S&TO or SSO

DEC Investigator Remarks:

08/16/2010  
 See eDocs for Con Ed report detailing cleanup and closure DMP

**Map Identification Number 260** **VS #3477** **Spill Number: 0607452** **Close Date: 01/17/2007**  
 NORTH 12 STREET & KENT AVENUE BROOKLYN, NY TT-Id: 520A-0038-357

**MAP LOCATION INFORMATION**

Site location mapped by: ADDRESS MATCHING  
 Approximate distance from property: 2611 feet to the NW

**ADDRESS CHANGE INFORMATION**

Revised street: N 12TH ST / KENT AVE  
 Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER Spiller: ERTS - CON EDISON VS #3477 Spiller Phone: (212) 580-8383  
 Notifier Type: Responsible Party Notifier Name: Notifier Phone:  
 Caller Name: Caller Agency: Caller Phone:  
 DEC Investigator: GDBREEN Contact for more spill info: ERTS Contact Person Phone: (212) 580-8383

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.  
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |  | Penalty Recommended |  |
|------------|---------------------|----------------|-------------------------|--|---------------------|--|
| 09/27/2006 |                     | UNKNOWN        | NO                      |  | NO                  |  |

| Material Spilled  | Material Class | Quantity Spilled |         | Quantity Recovered |         | Resource(s) Affected |
|-------------------|----------------|------------------|---------|--------------------|---------|----------------------|
|                   |                | Units            |         | Units              |         |                      |
| UNKNOWN PETROLEUM | PETROLEUM      | 4.00             | GALLONS | 0.00               | GALLONS | SOIL                 |

**Caller Remarks:**

ON 150 GALLONS OF WATER: IS CONTAINED AND PENDING SAMPLES THEN WILL BE CLEANED UP: CONED#202663

**DEC Investigator Remarks:**

01/17/07 - See e-docs for Con Ed report detailing cleanup and closure.

202663. see eDocs

**Map Identification Number 261** **VS4120** **Spill Number: 0504719** **Close Date: 09/23/2005**  
 N 12 ST AT KENT AVE BROOKLYN, NY TT-Id: 520A-0045-017

**MAP LOCATION INFORMATION**

Site location mapped by: ADDRESS MATCHING  
 Approximate distance from property: 2611 feet to the NW

**ADDRESS CHANGE INFORMATION**

Revised street: N 12TH ST/KENT AVE  
 Revised zip code: NO CHANGE

|                            |                                       |                                      |
|----------------------------|---------------------------------------|--------------------------------------|
| Source of Spill: UNKNOWN   | Spiller:                              | Spiller Phone:                       |
| Notifier Type: Other       | Notifier Name: MR. DONATONE           | Notifier Phone: (212) 580-6763       |
| Caller Name: MARK SCHLEGEL | Caller Agency: CONED                  | Caller Phone: (212) 580-8383         |
| DEC Investigator: SKARAKHA | Contact for more spill info: ERT DESK | Contact Person Phone: (212) 580-8383 |

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.  
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |  | Penalty Recommended |  |
|------------|---------------------|----------------|-------------------------|--|---------------------|--|
| 07/19/2005 |                     | UNKNOWN        | NO                      |  | NO                  |  |

| Material Spilled  | Material Class | Quantity Spilled |         | Quantity Recovered |         | Resource(s) Affected |
|-------------------|----------------|------------------|---------|--------------------|---------|----------------------|
|                   |                | Units            |         | Units              |         |                      |
| UNKNOWN PETROLEUM | PETROLEUM      | 1.00             | GALLONS | 0.00               | GALLONS | SOIL                 |

Caller Remarks:

1 GALLON UNKNOWN OIL ON 400 GALLONS OF WATER  
 CLEANUP PENDING CREW AVAILABILITY  
 LAB RESULTS - LESS THAN 1PPM  
 COMING OFF THE CLOCK - NO CREW AVAILABLE

REF. 159827

DEC Investigator Remarks:

e2mis no 159827

G. HICKEY REPORTS FINDING APPROX 1 GAL OF UNKNOWN OIL ON APPROX 400 GALS OF WATER IN VS4120. NO SEWERS, WATERWAYS, OR PRIVATE PROPERTY AFFECTED. THE SOURCE AND CAUSE OF THE SPILL IS UNKNOWN. THE STANDING WATER IN THE STRUCTURE HAD NO MOVEMENT, AND THERE DID NOT APPEAR TO BE ANY SEWER CONNECTIONS. WAREHOUSE HISTORICAL RECORDS DATED 8/23/2002 INDICATE PCB AS 6 PPM LAB SEQ# 02-07779-001. MR HICKEY WILL PRESSURE TEST THE UNIT AND REPORT BACK TO THE DESK. ENV STOP TAG# 36653 WAS PLACED AND ONE LIQUID SAMPLE TAKEN.

UPDATE 7/19/05 11:38 HRS G. HICKEY REPORTS THAT THE UNIT HELD PRESSURE.

7/20/05 0009HRS LAB RESULT RETURNED < 1 PPM LSN-05-07385-001.

7/20/05 1843HRS N FRUSTICI REPORTS UNIT WAS REMOVED. G DONATONE

7/20/05 1910HRS D.BANKHEAD REPORTS CLEANUP COMPLETED DOULBED WASHED STRUCTURE USING BIO-GEN 760. FOUND SUMP SEALED.REMOVED ENVIR

TAG#36653. G DONATONE

Closed. 9-23-05. GB

**Map Identification Number 262** **VS3477**  
 KENT AV & N 12TH ST

BROOKLYN, NY

**Spill Number: 0307020**

**Close Date: 06/29/2005**  
 TT-Id: 520A-0039-119

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING  
 Approximate distance from property: 2611 feet to the NW

ADDRESS CHANGE INFORMATION

Revised street: KENT AV / N 12TH ST  
 Revised zip code: NO CHANGE

Source of Spill: UNKNOWN  
 Notifier Type: Affected Persons  
 Caller Name: MARK SCHLAGEL  
 DEC Investigator: JHOCONNE

Spiller: UNKNOWN  
 Notifier Name: MR DELLACRUZ  
 Caller Agency: CON EDISON  
 Contact for more spill info:

Spiller Phone:  
 Notifier Phone: (212) 580-6763  
 Caller Phone: (212) 580-6763  
 Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.  
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|------------|---------------------|----------------|-------------------------|---------------------|
| 10/02/2003 |                     | UNKNOWN        | NO                      | NO                  |

| Material Spilled  | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|-------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| UNKNOWN PETROLEUM | PETROLEUM      | 1.00             | GALLONS | 0.00               | GALLONS | SOIL                 |

Caller Remarks:

2 pints on 500 gal water - clean up pending - lab results of 9 ppm - can't be cleaned up w/i 24 hr diminimus program - ref #150565

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "FOLEY"  
 Con Ed e2mis #150565:

10/2/03-1015HRS PRICE #3477 FOD REPORTS WHILE MAKING INSPECTION IN VS-3477 FEEDER 6B57.FOUND APPROX 2-PINTS OF UNKNOWN OIL ON 500 GALLONS OF WATER.

RECORDS SHOW 9PPM DATED 10/13/94.

NETW WILL BE NOTIFIED TO PRESSURE TEST UNIT.

update @ 11am feeder not ready for work at this time, network will be dispatched at 1500hrs to pressure test transformer.

UPDATE: 10/2/03 - 1730

W. THORNGREN - 14916 - B.Q.E., REPORTS TRANSFORMER PRESSURE TESTED AND HELD PRESSURE. OIL LEVEL IS GOOD.

LAB RESULT RECEIVED 10/2/03 - 2038. 03-08195. 9 PPM.

UPDATE @ 0950 HRS 9/3 REMOVE LOCATION FROM 24 HR PROGRAM DUE TO AMOUNT OF WORK INVOLVED IN CLEANUP.

1/14/04 05:10HRS F. SCOTT (ENV OPS) REPORTS, TANKER TOOK DOWN ALL THE WATER THAT THE STRUCTURE MAKES, AND DOUBLE WSHED USING BIO GEN 760. SUMP WAS FOUND SEALED AND JOB IS 100% COMPLETED.

**Map Identification Number 263**

**VAULT #3533**

15TH ST & GEM ST

BROOKLYN, NY

**Spill Number: 9808835**

**Close Date: 10/28/2002**

TT-Id: 520A-0042-942

**MAP LOCATION INFORMATION**

Site location mapped by: ADDRESS MATCHING  
 Approximate distance from property: 2621 feet to the NNW

**ADDRESS CHANGE INFORMATION**

Revised street: N 15TH ST / GEM ST  
 Revised zip code: 11222

Source of Spill: COMMERCIAL/INDUSTRIAL  
 Notifier Type: Responsible Party  
 Caller Name: FRANK MASSERIA  
 DEC Investigator: CAENGELH

Spiller:  
 Notifier Name: MR CAPADONA  
 Caller Agency: CON EDISON  
 Contact for more spill info:

Spiller Phone:  
 Notifier Phone: (212) 580-6763  
 Caller Phone: (212) 580-6763  
 Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.  
 Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

| Spill Date       | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 10/15/1998       |                     | UNKNOWN          | NO                      |                    | NO                  |                      |
| Material Spilled | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| TRANSFORMER OIL  | PETROLEUM           | 10.00            | GALLONS                 | 10.00              | GALLONS             | SOIL                 |

-----  
Caller Remarks:

POSS LEAKING FROM BOTTOM OF TRANSFORMER BUT UNKNOWN WHAT CAUSED IT - ALL CONTAINED IN THE VAULT - CON ED #120548 - OLD STAMP THAT SAYS 11 PPM PCBS - NO CLEAN UP TIL PCBS CONFIRMED  
-----

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "ENGELHARDT"  
Con Ed e2mis #120548:

Kimmel (77066) 25-MAR-1999

Modified First Reported to CIG DATE based on CIG Log information.

15-OCT-1998 17:05 J. CAMPANILE O.S NETWORKS REPORTS WHILE MAKING ROUTINE 25 YEAR INSPECTION IN VS-3533 HE FOUND APPROX 10 GALS

TRANSFORMER OIL ON DIRT (HOLE IS DRY MANUFACTURE DATE FOR TRANS 1961. KNOWN PCB COUNT IS 11PPM 9-19-1985 TRANS WAS RETROFILLED PRIOR TO 1985. TRANS IS LEAKING FROM BOTTOM DUE TO HEAVY RUST. THERE ARE NO DRAINS IN HOLE. NO SUMP PUMP. HOLE IS CONTAINED NO SEWERS OR WATERWAYS AFFECTED. HE TOOK A LIQUID SAMPLE FROMN TRANS AS IT IS KNOWN OIL FROM TRANS. HE WILL REQUEST A PRIORITY 4-6 HR TURNAROUND. HE ALSO INSTALLED STOP TAG # 08548 (NO PRESSURE TEST TAKEN DUE TO UNIT AT MIN & AND LEAKING IS SEEN FROM UNIT.

C.I.G MASSERIA NOTIFIED

LAB RESULT RECEIVED 10/15/98 - 2325. 98-11120. 19 PPM.

UPDATE 10/20/98 1400 EQUIPMENT REMOVED TRANSFORMER.

UPDATE: 10/22/98 - 1300

W. TUDY - 74933 - ENV. OPS., REPORTS 19 PPM CLEANUP COMPLETE WITH SLIX AND TAG #08548 REMOVED.

**Map Identification Number 264**



**MANHOLE 4823 CON ED**  
NORTH 7TH ST & KENT AVE

BROOKLYN, NY

**Spill Number: 0900808**

**Close Date: 06/03/2009**  
TT-Id: 520A-0226-061

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING  
Approximate distance from property: 2621 feet to the WNW

ADDRESS CHANGE INFORMATION

Revised street: NORTH 7TH ST / KENT AVE  
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL Spiller: UNKNOWN Spiller Phone:  
 Notifier Type: Other Notifier Name: Notifier Phone:  
 Caller Name: Caller Agency: Caller Phone:  
 DEC Investigator: mxferoze Contact for more spill info: ERT Contact Person Phone: (212) 580-8383

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.  
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |  | Penalty Recommended |  |
|------------|---------------------|----------------|-------------------------|--|---------------------|--|
| 04/21/2009 |                     | UNKNOWN        | NO                      |  | NO                  |  |

| Material Spilled  | Material Class | Quantity Spilled |         | Quantity Recovered |         | Resource(s) Affected |
|-------------------|----------------|------------------|---------|--------------------|---------|----------------------|
|                   |                | Units            |         | Units              |         |                      |
| UNKNOWN PETROLEUM | PETROLEUM      | 0                | GALLONS | 0                  | GALLONS |                      |

Caller Remarks:

1 PINT OF UNK OIL IN 20 GALLONS OF WATER. CLEAN UP IS PENDING.

DEC Investigator Remarks:

06/03/09 - See eDocs for Con Ed report detailing cleanup and closure.

**Map Identification Number 265** **BRONX QUEENS EXPRESSWAY** **Spill Number: 9902395** **Close Date: 06/02/1999**  
 EXIT 33 MCGUINNESS BLVD BROOKLYN, NY TT-Id: 520A-0051-764

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)  
 Approximate distance from property: 2627 feet to the ENE

ADDRESS CHANGE INFORMATION

Revised street: EXIT 33 MCGUINNESS BLVD  
 Revised zip code: 11222

Source of Spill: COMMERCIAL VEHICLE Spiller: DIANE BAER - CANNON EXPRESS Spiller Phone: (800) 864-8400  
 Notifier Type: Responsible Party Notifier Name: CANNON EXPRESS Notifier Phone:  
 Caller Name: KATHY RICHARDS Caller Agency: CANNON EXPRESS Caller Phone: (978) 897-6461  
 DEC Investigator: SMMARTIN Contact for more spill info: DIANA BAER Contact Person Phone: (800) 846-8400

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.  
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

| Spill Date       | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 06/02/1999       |                     | OTHER            | NO                      |                    | NO                  |                      |
| Material Spilled | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| DIESEL           | PETROLEUM           | 30.00            | GALLONS                 | 0.00               | GALLONS             | SOIL                 |

Caller Remarks:

TRUCK RAN OVER OBJECT THAT RUPTURED SADDLE TANK-FIRE DEPT ON SCENE AND CONTAINED SPILL

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "MARTINKAT" REFERRED TO NYCFD.

**Map Identification Number 266** **BROOKLYN/QUEENS EXPWY AND MCGINNIS BLVD** **BROOKLYN, NY** **Spill Number: 9608808** **Close Date: 02/24/2003**  
 TT-Id: 520A-0051-760

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)  
 Approximate distance from property: 2627 feet to the ENE

ADDRESS CHANGE INFORMATION

Revised street: BROOKLYN-QUEENS EXWY / MC GUINNESS BLVD S  
 Revised zip code: 11222

|                                     |                                        |                                      |
|-------------------------------------|----------------------------------------|--------------------------------------|
| Source of Spill: COMMERCIAL VEHICLE | Spiller: UNKNOWN                       | Spiller Phone:                       |
| Notifier Type: Local Agency         | Notifier Name: FIRE HAZMAT             | Notifier Phone: (917) 769-0483       |
| Caller Name: MS BAILEY              | Caller Agency: DEP                     | Caller Phone: (718) 595-6700         |
| DEC Investigator: CAENGELH          | Contact for more spill info: MR REAGAN | Contact Person Phone: (917) 769-0483 |

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.

Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

| Spill Date       | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 10/16/1996       |                     | OTHER            | NO                      |                    | NO                  |                      |
| Material Spilled | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| #2 FUEL OIL      | PETROLEUM           | 0                | GALLONS                 | 0                  | GALLONS             | SEWER                |

Caller Remarks:

saddle tank fell from unknown vehicle and was abandoned at site  
 fuel has run into sewer - caller did not know what action is being  
 taken at this time

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "ENGELHARDT"  
 2/24/2003 - Closed Due To The Nature / Extent Of The Spill Report

**Map Identification Number 267**

**IN ROADWAY**

**Spill Number: 0308472**

**Close Date: 11/13/2003**

 BROOKLYN QUEENS EXPRESSWAY @ MCGUINNESS BLVD  
 BROOKLYN, NY  
 BQE @ MCGUINNESS BLVD

TT-Id: 520A-0051-762

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)  
 Approximate distance from property: 2627 feet to the ENE

ADDRESS CHANGE INFORMATION

Revised street: I 278 / MCGUINNESS BLVD  
 Revised zip code: UNKNOWN

Source of Spill: UNKNOWN  
 Notifier Type: Fire Department  
 Caller Name: F.F. KREGLER  
 DEC Investigator: CESAWYER

Spiller: UNKNOWN - UNKNOWN  
 Notifier Name: F.F. KREGLER  
 Caller Agency: FDNY  
 Contact for more spill info: CALLER

Spiller Phone:  
 Notifier Phone: (917) 769-0483  
 Caller Phone: (917) 769-0483  
 Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water  
 contamination, or releases to surface waters.  
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

| Spill Date       | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 11/11/2003       |                     | UNKNOWN          | NO                      |                    | NO                  |                      |
| Material Spilled | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| DIESEL           | PETROLEUM           | 200.00           | GALLONS                 | 0.00               | GALLONS             | SEWER                |

Caller Remarks:

unk cause - unk source - on roadway and also did get into sewer

---

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "SAWYER"  
Spill was reported to DEP because of sewer contact.

Sawyer drove past the site on his way to another spill.

Closed



**CLOSED STATUS HAZARDOUS SPILLS - MISC. SPILL CAUSES - EQUIPMENT FAILURE, HUMAN ERROR, TANK OVERFILL, DELIBERATE SPILL, TRAFFIC ACCIDENT, HOUSEKEEPING, ABANDONED DRUM, AND VANDALISM - IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS.**  
 All spills mapped and profiled within 1/8 mile. Between 1/8 mile and 1/2 mile search radius, spills reported to be greater than 100 units and spills reported in the NYSDEC Fall 1998 MTBE Survey are mapped and profiled. Spills reported to be less than 100 units are listed in a table at the end of this section.

Please Note: \* - Compass directions can vary substantially for sites located very close to the subject property address.

|                                                                                  |                   |                                              |                                      |                               |
|----------------------------------------------------------------------------------|-------------------|----------------------------------------------|--------------------------------------|-------------------------------|
| <b>Map Identification Number 268</b>                                             | <b>NORTH 11TH</b> |                                              | <b>Spill Number: 0801257</b>         | <b>Close Date: 05/05/2008</b> |
|  | ROEBLING STREET   | BROOKLYN, NY                                 |                                      | TT-Id: 520A-0217-979          |
| MAP LOCATION INFORMATION                                                         |                   | ADDRESS CHANGE INFORMATION                   |                                      |                               |
| Site location mapped by: ADDRESS MATCHING                                        |                   | Revised street: ROEBLING ST / N 11TH ST      |                                      |                               |
| Approximate distance from property: 401 feet to the N                            |                   | Revised zip code: 11211                      |                                      |                               |
| Source of Spill: COMMERCIAL/INDUSTRIAL                                           |                   | Spiller: NYC DEPT OF BUI - NORTH 11TH        | Spiller Phone:                       |                               |
| Notifier Type: Responsible Party                                                 |                   | Notifier Name:                               | Notifier Phone:                      |                               |
| Caller Name:                                                                     |                   | Caller Agency:                               | Caller Phone:                        |                               |
| DEC Investigator: SFRAHMAN                                                       |                   | Contact for more spill info: NYC DEPT OF BUI | Contact Person Phone: (718) 802-3685 |                               |

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.  
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |  | Penalty Recommended |  |
|------------|---------------------|----------------|-------------------------|--|---------------------|--|
| 05/01/2008 |                     | ABANDONED DRUM | NO                      |  | NO                  |  |

| Material Spilled | Material Class | Quantity Spilled |         | Quantity Recovered |         | Resource(s) Affected |
|------------------|----------------|------------------|---------|--------------------|---------|----------------------|
|                  |                | Units            |         | Units              |         |                      |
| #2 FUEL OIL      | PETROLEUM      | 0                | GALLONS | 0                  | GALLONS | SOIL                 |

Caller Remarks:

construction workers exposed two drums

DEC Investigator Remarks:

05/05/08 Spoke with Kris Almskog(P.W Grosser)this morning, he indicated that the interim remedial measures are being taken place for 204 N 11th Street, may be that's why drum was seen there, he told me that on Friday there was no drum and he will check it with the property owner again to make sure liquid in drums are disposed properly.(sr)

**Map Identification Number 269** **TM 1142** **Spill Number: 0400060** **Close Date: 07/16/2004**  
 11TH/ROEBLING STREET BROOKLYN, NY TT-Id: 520A-0049-152

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING  
 Approximate distance from property: 401 feet to the N

ADDRESS CHANGE INFORMATION

Revised street: N 11TH ST / ROEBLING ST  
 Revised zip code: 11211

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER Spiller: ERT DESK - IN STREET Spiller Phone: (212) 580-8383  
 Notifier Type: Responsible Party Notifier Name: RON ELLIOTT Notifier Phone: (212) 580-6763  
 Caller Name: RON ELLIOTT Caller Agency: CON ED Caller Phone: (212) 580-6763  
 DEC Investigator: JHOCONNE Contact for more spill info: ERT DESK Contact Person Phone: (212) 580-8383

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

| Spill Date       | Date Cleanup Ceased | Cause of Spill    | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|------------------|---------------------|-------------------|-------------------------|--------------------|---------------------|----------------------|
| 04/02/2004       |                     | EQUIPMENT FAILURE | NO                      |                    | NO                  |                      |
| Material Spilled | Material Class      | Quantity Spilled  | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| TRANSFORMER OIL  | PETROLEUM           | 0                 | POUNDS                  | 0                  | POUNDS              | SOIL                 |

Caller Remarks:

DUE TO A BLOWN ESNAS: WILL REPAIR BY THE 11TH DUE TO HAVING TO DRAIN; AND WAITING FOR LAB RESULTS; NO TO THE 5 QUESTIONS; CON ED # 152740 4/03/04 update - ANDREW MORRIS (CON ED) REPORTS @ 0222HRS THIS DATE, FURTHER INVESTIGATION REVEALS TOTAL OF 30 GAL OF TRANSFORMER OIL UNACCOUNTED FOR FROM TRANSFORMER.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "O'CONNELL" e2mis no. 152740:

APPROX 1 PT OF

DIELECTRIC FLUID ON APPROX 1500 GALS OF WATER IN THE STRUCTURE. SPILL IS CONTAINED TO STRUCTURE. SOME OF THE WATER IN THE VAULT EVIDENTIALLY GOT INTO THE HOLE BY THE ESNA'S ON TOP OF THE TRANSFORMER, MIXED WITH THE DIELECTRIC FLUID IN THE TRANSFORMER AND WASHED BACK OUT INTO THE STRUCTURE. HISTORICAL PCB COUNT OF

THE TRANSFORMER IS 10 PPM DTD 11/30/95. WILL TRY TO GET A SAMPLE FROM THE TRANSFORMER THROUGH THE HOLE ON TOP.

LSN 04-02508-001 PCB <1 PPM

ASTORIA TANKER REMOVED 310 GALLONS FROM UNIT. UNIT CAPACITY PLATE INDICATES UNIT HOLDS 340 GALLONS, LEAVING 30 GALLONS UNACCOUNTED FOR. TANKER REMOVED ALL LIQUID FROM STRUCTURE.

4/3/04, 02:26 HRS TANKER REMOVED 1400 GALLONS WATER FROM STRUCTURE, REMOVED ALL DEBRIS WITH VACTOR, DOUBLE-WASHED STRUCTURE WITH BULLDOG. TAG LEFT IN PLACE PENDING TRANSFORMER REMOVAL.

Update - 4/7/04 1230hrs

Ken Downey BQE reports on location; Removing transformer this date.

UPDATE 4-7-04 18:05

C. LABARBARA (ENV OPS) REPORTS, REMOVED ALL SOLIDS AND LIQUIDS, DOUBLE WASHED USING BIO GEN SLIX, NO SUMPS FOUND . JOB 100% COMPLETED.

#### Map Identification Number 270



526 UNION AVE

BROOKLYN, NY

Spill Number: 9811933

Close Date: 12/22/1998

TT-Id: 520A-0051-746

#### MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 528 feet to the SE

#### ADDRESS CHANGE INFORMATION

Revised street: 526 UNION AV

Revised zip code: NO CHANGE

Source of Spill: UNKNOWN  
 Notifier Type: Local Agency  
 Caller Name: OLUREMI FATIMILEHIN  
 DEC Investigator: TOMASELLO

Spiller: UNKNOWN  
 Notifier Name: ALEXANNDER PIAZZI  
 Caller Agency: DEP  
 Contact for more spill info: OLURMI FATIMILEHIN

Spiller Phone:  
 Notifier Phone: (212) 384-1000  
 Caller Phone: (718) 595-4799  
 Contact Person Phone: (718) 595-4799

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

| Spill Date         | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|--------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 12/18/1998         |                     | ABANDONED DRUM   | NO                      |                    | NO                  |                      |
| Material Spilled   | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| WASTE OIL/USED OIL | PETROLEUM           | 100.00           | GALLONS                 | 0.00               | GALLONS             | SOIL                 |

Caller Remarks:

2 ABANDONED DRUMS IN FRONT OF ABOVE ADDRESS - DO NOT APPEAR TO BE LEAKING

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

**Map Identification Number 271**  **522 METROPOLITAN AVE**  
522 METROPOLITAN AVE

BROOKLYN, NY

**Spill Number: 9515443**

**Close Date: 02/24/2003**  
TT-Id: 520A-0046-730

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)  
Approximate distance from property: 1378 feet to the SSE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING  
Notifier Type: Local Agency  
Caller Name: SHANTEL VINSON  
DEC Investigator: TOMASELLO

Spiller: JACOB - TERMINAL OIL COMPANY  
Notifier Name: SHANTEL VINSON  
Caller Agency: DEP  
Contact for more spill info: MS CASTANO

Spiller Phone: (718) 369-2825  
Notifier Phone: (718) 595-6777  
Caller Phone: (718) 595-6777  
Contact Person Phone: (718) 782-4799

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.

Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

| Spill Date       | Date Cleanup Ceased | Cause of Spill   | Meets Cleanup Standards |                    | Penalty Recommended |                      |
|------------------|---------------------|------------------|-------------------------|--------------------|---------------------|----------------------|
| 02/29/1996       |                     | TANK OVERFILL    | NO                      |                    | NO                  |                      |
| Material Spilled | Material Class      | Quantity Spilled | Units                   | Quantity Recovered | Units               | Resource(s) Affected |
| #2 FUEL OIL      | PETROLEUM           | 300.00           | GALLONS                 | 0.00               | GALLONS             | SOIL                 |

Caller Remarks:

TANK OVERFILL INTO SOIL - ALTERNATIVE PHONE # 718-330-3236 MR MUNZO

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

**Map Identification Number 272** **RODNEY & GRAND STS/Ryder** **Spill Number: 9106642** **Close Date: 09/19/1991**  
 **RODNEY & GRAND STS** **WILLIAMSBURG, NY** **TT-Id: 520A-0038-607**

**MAP LOCATION INFORMATION**  
 Site location mapped by: ADDRESS MATCHING  
 Approximate distance from property: 2040 feet to the S

**ADDRESS CHANGE INFORMATION**  
 Revised street: RODNEY ST/GRAND ST  
 Revised zip code: 11211

Source of Spill: COMMERCIAL VEHICLE Spiller: RYDER TRUCK Spiller Phone:  
 Notifier Type: Local Agency Notifier Name: Notifier Phone:  
 Caller Name: SERGIO MATOS Caller Agency: NYCDEP Caller Phone: (718) 595-4658  
 DEC Investigator: GELLER Contact for more spill info: Contact Person Phone:

| Spill Date | Date Cleanup Ceased | Cause of Spill    | Meets Cleanup Standards |  | Penalty Recommended |  |
|------------|---------------------|-------------------|-------------------------|--|---------------------|--|
| 09/18/1991 | 09/19/1991          | EQUIPMENT FAILURE | UNKNOWN                 |  | NO                  |  |

| Material Spilled | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| DIESEL           | PETROLEUM      | 100.00           | GALLONS | 0.00               | GALLONS | SOIL                 |

Caller Remarks:

RUPTURED SADDLE TANK. FUEL RECOVERED INTO DRUMS. MINIMAL AMOUNT IN SEWER. SANITATION SANDED STREET & SWEEPED UP.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

**Map Identification Number 273** **APARTMENT BLDG**  
 677 METROPOLITAN AV

NYC, NY

**Spill Number: 8805035**

**Close Date: 09/13/1988**  
 TT-Id: 520A-0047-064

**MAP LOCATION INFORMATION**

Site location mapped by: PARCEL MAPPING (2)  
 Approximate distance from property: 2090 feet to the ESE

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL  
 Notifier Type: Local Agency  
 Caller Name: JOHN WITHERNOW  
 DEC Investigator: JCGRATHW

Spiller: DON PAUL FUEL OIL CO  
 Notifier Name:  
 Caller Agency: NYCDEP  
 Contact for more spill info:

Spiller Phone: (718) 383-1400  
 Notifier Phone:  
 Caller Phone: (212) 669-8923  
 Contact Person Phone:

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|------------|---------------------|----------------|-------------------------|---------------------|
| 09/09/1988 | 09/13/1988          | TANK OVERFILL  | UNKNOWN                 | NO                  |

| Material Spilled | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| #2 FUEL OIL      | PETROLEUM      | 300.00           | GALLONS | 200.00             | GALLONS | SOIL                 |

**Caller Remarks:**

NYFD PUMPED 200 GALS INTO DRUMS, COVERED REMAINING PRODUCT. NYFD HAS NOTIFIED SPILLER TO FINISH CLEAN-UP.

**DEC Investigator Remarks:**

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "GRATHWOL"

**Map Identification Number 274** **DUPLICATE OF**  
 85 N 5TH ST

BROOKLYN, NY

**Spill Number: 0513902**

**Close Date: 03/06/2006**  
 TT-Id: 520A-0045-713

**MAP LOCATION INFORMATION**

Site location mapped by: MANUAL MAPPING (3)  
 Approximate distance from property: 2213 feet to the W

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

|                                        |                                                |                                      |
|----------------------------------------|------------------------------------------------|--------------------------------------|
| Source of Spill: COMMERCIAL/INDUSTRIAL | Spiller:                                       | Spiller Phone:                       |
| Notifier Type: Fire Department         | Notifier Name: DISP 137                        | Notifier Phone: (718) 965-8261       |
| Caller Name: IMPELLIZZERI,PALO         | Caller Agency: NYC DEP                         | Caller Phone: (718) 595-4684         |
| DEC Investigator: SFRAHMAN             | Contact for more spill info: IMPELLIZZERI,PALO | Contact Person Phone: (718) 595-4684 |

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|------------|---------------------|----------------|-------------------------|---------------------|
| 03/04/2006 |                     | ABANDONED DRUM | NO                      | NO                  |

NO MATERIAL INFORMATION GIVEN FOR THIS SPILL

Caller Remarks:

55 gallon drum with 10 gallons of diesel fuel to be picked up.

DEC Investigator Remarks:

03/06/06 Sharif Rahman- Cross reference to spill # 0513858

|                                                                                  |                                     |                              |                               |
|----------------------------------------------------------------------------------|-------------------------------------|------------------------------|-------------------------------|
| <b>Map Identification Number 275</b>                                             | <b>CANDY &amp; CIGARETTE SUPPLY</b> | <b>Spill Number: 0108329</b> | <b>Close Date: 02/01/2002</b> |
|  | 109 NORTH 3RD STREET                | BROOKLYN, NY                 | TT-Id: 520A-0049-926          |

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)  
 Approximate distance from property: 2374 feet to the W

ADDRESS CHANGE INFORMATION

Revised street: 109 NORTH 3RD ST  
 Revised zip code: NO CHANGE

|                                   |                                        |                                      |
|-----------------------------------|----------------------------------------|--------------------------------------|
| Source of Spill: PRIVATE DWELLING | Spiller: PAUL SANO                     | Spiller Phone: (516) 322-3820        |
| Notifier Type: Other              | Notifier Name:                         | Notifier Phone:                      |
| Caller Name: PAUL SANO            | Caller Agency: K C TRANSPORTERS        | Caller Phone: (516) 322-3820         |
| DEC Investigator: SMSANGES        | Contact for more spill info: PAUL SANO | Contact Person Phone: (516) 322-3820 |

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.

Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

| Spill Date | Date Cleanup Ceased | Cause of Spill    | Meets Cleanup Standards | Penalty Recommended |
|------------|---------------------|-------------------|-------------------------|---------------------|
| 11/16/2001 |                     | EQUIPMENT FAILURE | YES                     | NO                  |

| Material Spilled | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| #4 FUEL OIL      | PETROLEUM      | 500.00           | GALLONS | 0.00               | GALLONS | SOIL                 |

---

Caller Remarks:

PROBLEM WITH OIL PUMP CAUSED PRODUCT TO SPILL - EASTMAN HAS BEEN CONTACTED FOR CLEAN UP - PRODUCT WAS VACUUMED OFF BASEMENT FLOOR AND THEN BUILDING OWNER'S TOLD THEM TO LEAVE

---

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "SANGESLAND/VOUGHT"  
 1/30/2002-VOUGHT-Site visit by Kolleeny, Sangesland and Vought on 11/19/2001. KC Transporters is a subcontractor for Empire State Oil (contact: Dave 718-627-5100). Owner of property is Manuel Sosa (was out of town at time of spill). Owner's representative was his daughter Olga Sosa (718-384-7490) who was on-site. According to Olga, KC had hired AL Eastmond and Sons to perform the cleanup. Eastmond began the cleanup including the vacuuming of free product. According to Olga at this point in the cleanup she was approached by Paul Sano from KC who asked her to sign a waiver relieving KC of all responsibility of the spill. Olga refused and as a result she ordered the cleanup to stop. The DEC arrived on-site and explained that she was indeed responsible for the cleanup as the owner of the property. She was given a list of contractors and agreed to choose one immediately. Paul Sano explained the reason for the spill was a missing section of pipe from the tank to the boiler. Olga and her brother (Dave Sosa) said they had not had the pipe removed and it was in place up until the delivery. They only noticed the missing section after KC Transporters repairmen had inspected the spill in the basement. Furthermore according to Dave Sosa a toolbox next to the missing section of pipe owned by the Sosas had oil stained handprints on it and was missing wrenches. The issue of how the pipe section was removed was never resolved. Visual evidence of overfill included the staining of the wall by the vent pipe and the oil stains out of manways on the top of the tank. Officer Michael Mat of the NYSDEC arrived on-site and issued KC Transporters a ticket for failure to report a spill within 2 hours (see spill and call received times). Olga Sosa was also issued a ticket for not updating the name on the PBS registration after they bought the property from the previous owner.

11/21/2001-Petroleum Tank Cleaners (PTC) arrives on-site to complete cleanup and were hired by Olga. PTC arrived on-site and used speedy dry to pick up the remaining free product and steam cleaned the cellar and the vent pipe wall on the sidewalk. There were no floor drains or sewers affected and the entire cellar floor was concrete. For spill closure the following were requested (dates are when the materials were provided): 1) pictures of cleanup and letter of tank piping repair from Olga (1/03/2002) 2) Disposal manifests from PTC (1/30/2002). Spill closed by Vought 1/30/2002.

**Map Identification Number 276**     **202 SOUTH 1ST STREET**  
     202 SOUTH 1ST STREET

BROOKLYN, NY

**Spill Number: 9508902**

**Close Date: 10/25/1995**  
 TT-Id: 520A-0044-454

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)  
 Approximate distance from property: 2409 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING  
 Notifier Type: Responsible Party  
 Caller Name: TONY CARUCCI  
 DEC Investigator: MMMULQUE

Spiller: HA LIBERTY PARK FUEL OIL  
 Notifier Name: MANAGEMENT COMPANY  
 Caller Agency: HA LIBERTY PARK FUEL OIL  
 Contact for more spill info: EDA

Spiller Phone:  
 Notifier Phone:  
 Caller Phone: (718) 894-9218  
 Contact Person Phone: (718) 387-3600

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.  
 Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards |  | Penalty Recommended |  |
|------------|---------------------|----------------|-------------------------|--|---------------------|--|
| 10/18/1995 |                     | HUMAN ERROR    | NO                      |  | NO                  |  |

| Material Spilled | Material Class | Quantity Spilled |         | Quantity Recovered |         | Resource(s) Affected |
|------------------|----------------|------------------|---------|--------------------|---------|----------------------|
|                  |                | Units            |         | Units              |         |                      |
| #2 FUEL OIL      | PETROLEUM      | 100.00           | GALLONS | 0.00               | GALLONS | SOIL                 |

Caller Remarks:

CAP ON THE OIL TANK WAS LEFT OFF, TANK WAS THEN FILLED, CAUSING SPILL. WILL BE CLAENED BY PRIVATE CONTRACTOR.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "MULQUEEN"  
 Sweet claims, Howard Cohen hired PTC to do cleanup in tank room and around fill pipe. No drains, or sumps in tank room. No further investigation required.

**Map Identification Number 277**     **KENT AVENUE/N.9TH ST.**  
     KENT AVE / N.9TH ST

BROOKLYN, NY

**Spill Number: 8704050**

**Close Date: 06/09/2006**  
 TT-Id: 520A-0039-330

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING  
 Approximate distance from property: 2535 feet to the NW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

|                                                    |                              |                              |
|----------------------------------------------------|------------------------------|------------------------------|
| Source of Spill: MAJOR OIL FACILITY (>400,000 GAL) | Spiller:                     | Spiller Phone:               |
| Notifier Type: Fire Department                     | Notifier Name: TIM SOLICH    | Notifier Phone:              |
| Caller Name:                                       | Caller Agency: NYFD          | Caller Phone: (212) 414-5051 |
| DEC Investigator: JHOCONNE                         | Contact for more spill info: | Contact Person Phone:        |

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.  
 Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

| Spill Date | Date Cleanup Ceased | Cause of Spill    | Meets Cleanup Standards |  | Penalty Recommended |  |
|------------|---------------------|-------------------|-------------------------|--|---------------------|--|
| 08/15/1987 |                     | EQUIPMENT FAILURE | NO                      |  | NO                  |  |

| Material Spilled | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| #6 FUEL OIL      | PETROLEUM      | 5000             | GALLONS | 0                  | GALLONS | SOIL                 |

Caller Remarks:  
 OIL IS IN UNDERGROUND CONDUIT - 20" FUEL LINE TO RAVENSWOOD STATION RUPTURED.

DEC Investigator Remarks:  
 Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "O'CONNELL"  
 FIRE DEPT. HAZ/MAT TEAM ON THE SCENE. SPILL DIKED OFF. DEC (TOMASELLO) RESPONDED. TOMASELLO SUPERVISED CLEANUP. WILL FOLLOW UP WITH CON EDISON.

APPENDIX B SITE NO. 25/45. TRANSFERRED FROM ENGELHARDT TO O'CONNELL.

Update 6/9/06  
 Spill closed based on final site investigation report located in eDocs App. B Site 25. (SKA)

|                                                                                    |                                      |                                      |                               |
|------------------------------------------------------------------------------------|--------------------------------------|--------------------------------------|-------------------------------|
| <b>Map Identification Number 278</b>                                               | <b>NORTH 12TH AVE &amp; KENT AVE</b> | <b>Spill Number: 9400121</b>         | <b>Close Date: 06/09/2006</b> |
|  | N 12TH AVE / KENT AVE                | BROOKLYN, NY                         | TT-Id: 520A-0042-794          |
| MAP LOCATION INFORMATION                                                           |                                      | ADDRESS CHANGE INFORMATION           |                               |
| Site location mapped by: ADDRESS MATCHING                                          |                                      | Revised street: N 12TH ST / KENT AVE |                               |
| Approximate distance from property: 2611 feet to the NW                            |                                      | Revised zip code: 11211              |                               |

|                                        |                              |                              |
|----------------------------------------|------------------------------|------------------------------|
| Source of Spill: COMMERCIAL/INDUSTRIAL | Spiller: CON ED              | Spiller Phone:               |
| Notifier Type: Responsible Party       | Notifier Name:               | Notifier Phone:              |
| Caller Name: MR SOLICH                 | Caller Agency: CON-ED        | Caller Phone: (212) 580-6763 |
| DEC Investigator: JHOCONNE             | Contact for more spill info: | Contact Person Phone:        |

Category: Known release which created a fire/explosion hazards (inside or outdoors), drinking water supply contamination, or significant releases to surface waters.

Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

| Spill Date | Date Cleanup Ceased | Cause of Spill    | Meets Cleanup Standards |  | Penalty Recommended |  |
|------------|---------------------|-------------------|-------------------------|--|---------------------|--|
| 04/04/1994 |                     | EQUIPMENT FAILURE | NO                      |  | NO                  |  |

| Material Spilled | Material Class | Quantity Spilled |         | Quantity Recovered |         | Resource(s) Affected |
|------------------|----------------|------------------|---------|--------------------|---------|----------------------|
|                  |                | Units            |         | Units              |         |                      |
| #6 FUEL OIL      | PETROLEUM      | 1000             | GALLONS | 0                  | GALLONS | SEWER                |

Caller Remarks:

ENTERING CITY STP (GREENPOINT) CLEAN UP CREWS AT SITE & ENROUTE.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "O'CONNELL "4/4/94, 3:00 PM: Engelhardt at site. On scene are Bob Grimm (MEG), Tom Thomas and Sagar Chatergee (NYCDEP), Carmine Sabatasso (Con Ed). According to Tom Thomas, pil was noticed entering Newtown Creek WPCP some time late Sat. night/Sun. morning, but due to the inexperience of the operator on duty at the time, it was not reported to NYCDEP IWCS until early Monday morning (4/4). Thomas estimates that oil was leaking at rate of 30-40 gpm when he first found it leaking into sewer just a couple of feet below grade in the manole.

Con Ed lowered pressure on the line for a period of ~1hr sometime around 3:00 PM. By the time DEC observed manhole, leak rate appeared to be <5 gpm into sewer. Pipeline is located at a depth of 5'- 6' below grade. Leak is located close to both the were and the regulator chamber so there is some concern about possible surface water impacts.

USCG P.O. Duly and P.O. Svendson were on scene earlier, but Engelhardt did not speak with them before they left. Asked MEG to boom off storm sewer outfalls (2 x 156" outfalls). Bob Grimm indicated that is current is greater than 1.5 knots, oil will escape beneath boom, but they placed it anyway.

After soil was partially excavated there appeared to be some oil which migrated under the pavement. Upon excavation, 3 leaks were found: looking down at pipe facing south, 2 leaks at 4 o'clock and 1 leak at 9 o'clock (top of pipe = 12 o'clock). Carmine says leak at 9 o'clock was created by hammering while trying to remove insulation from pipe. All 3 leaks were plugged by 9:30 PM. (CAE)

4/5/94, 10:30 AM:

Crew is now installing shoring on excavation. Vac truck is sucking water out of trench which is seeping in.

Visited Newtown Creek WPCP - MEG on scene cleaning intake screens. Al Gordon (NYCDEP) on scene at WPCP. He indicated that some small amounts of oil did reach final treatment stages. Later in the day Engelhardt spoke by telephone with Jim Pynn (Newtown Creek Plant Supervisor). He said that crew had checked regulator and tide gates and found no oil (at N. 12th Street). They are going to check storm sewer on N. 12th Street to make sure there is no oil in anticipation of rain event tomorrow. (CAE)

4/6/94:

Continuing excavation to locate good pipe. Engelhardt had spoken to Joe Cuzzo (NYCDEP) earlier and was told that Con Ed was demanding that MEG pull out of Newtown Creek WPCP even though Newtown personnel were not satisfied that the clean up was finished.

Went to plant, met with Sal Bartolomeo, Jr. (Deputy Plant Superintendent) - he showed Engelhardt the extent of the contamination. There had been oil on the screens but he was satisfied that those had been fully cleaned. He said there was a lot of oil in the wet well, which Con Ed (Carmine) had objections to cleaning. There was also oil which got into the settling, aeration and grease separation sections of the plant, as well as the sludge thickener unit. The matter was apparently resolved after Joe Cuzzo (NYCDEP) called John Wilson (Con Ed), who called John Mitchell (Con Ed, who authorized MEG to continue cleaning until plant was clean. (CAE)

4/11/94, 10:45 AM:

Workers cleaning pipe for cleave welding. Noticed that they had a small pump in the bottom of trench with output hose on street. Asked what this was for, Con Ed replied that water had seeped into trench from duct running through it. They had subsequently pumped out water from a nearby catch basin that had been feeding the duct. Asked them to make sure that this is done from now on (pump out catch basin as opposed to trench), instead of letting water accumulate in trench and then pumping it with possible oil in it. (CAE)

5/4/94:

Met at Newtown Creek WPCP with Jim Pynn. Con Ed finished clean up on Friday 4/29. They ended up removing 70+ truckloads of solidified (w/fly ash) grit and taking it to a disposal site in Michigan. Clean Ventures ended up finishing the job. (CAE)

5/4/94:

fax from Jim Pynn - copies of 2 internal NYCDEP memos regarding the spill.

6/10/94:

letter from Con Edison transmitting 3 TPH and 1 SVOC sample results. Requested closure. Closure not granted - additional investigation needed. Appendix B site no. 25/45. (JHO)

Update 6/9/06

Spill closed based on final site investigation report located in eDocs App. B Site 25. (SKA)

**Map Identification Number 279**    **N 12TH ST & KENT AVE**  
    N 12TH ST / KENT AVE

BROOKLYN, NY

**Spill Number: 9202230**

**Close Date: 06/09/2006**  
 TT-Id: 520A-0038-082

**MAP LOCATION INFORMATION**

Site location mapped by: ADDRESS MATCHING  
 Approximate distance from property: 2611 feet to the NW

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

Source of Spill: MAJOR OIL FACILITY (>400,000 GAL)  
 Notifier Type: Responsible Party  
 Caller Name: HAYWARD  
 DEC Investigator: JHOCONNE

Spiller: CON ED  
 Notifier Name:  
 Caller Agency: CON ED  
 Contact for more spill info:

Spiller Phone:  
 Notifier Phone:  
 Caller Phone: (212) 582-6763  
 Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.  
 Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

| Spill Date | Date Cleanup Ceased | Cause of Spill    | Meets Cleanup Standards |  | Penalty Recommended |  |
|------------|---------------------|-------------------|-------------------------|--|---------------------|--|
| 05/23/1992 |                     | EQUIPMENT FAILURE | NO                      |  | NO                  |  |

| Material Spilled | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| #6 FUEL OIL      | PETROLEUM      | 9000             | GALLONS | 0                  | GALLONS | SOIL                 |

**Caller Remarks:**

AT RAVENSWOOD GS OIL 20" PIPELINE LEAK; FD, SANITATION, DEP HAZ MAT & IWCS NOTIFIED. AAA POLLUTION ON SCENE.

**DEC Investigator Remarks:**

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "O'CONNELL"  
 5/23/92, 11:45 AM: Sigona arrived on site. NYCDEP (Stan Siedenberg) already on-site. Depth to line approx. 6.5 feet, 20" line.  
 Time of discovery - FDNY called Con Ed at 0445 hrs. Con Ed John Mitchell (Supt. of Fuel Oil pipelines) arrived at 0650 hrs.  
 Confirmed leak with CIG at 0759 hrs.

Observed oil into top of sewer manhole, oil in catch basins, oil in NY Telephone service box (NYTel notified by CIG). 3,000 gallons removed thus far by AAA Polution Control. Also, AAA removed 2 large piles of contaminated soil (approx. 10-15 cu. yds. each). Excavation for pipeline is currently approx. 14' long by 5' wide along east side of center line of roadway (Kent Ave.).

3 Con Ed workers are shoveling oil saturated dirt from bottom of trench as AAA is pumping free product. According to John Mitchell (Con Ed), they are purging back to N. 1st Street terminal at 10 psi pressure. Valves at either end of leak area are closed (11t St. and Oak Ave.).

There is an offset in the pipeline so that it can go around a sewer line. Oil is surging from hole in line observed at 13:20 hrs as the line is exposed (leak is on upper west side surface of pipeline). Oil is flowing freely into the trench as soil is removed. Hole is filled with between 100-300 gallons oil oil as it is being pumped.

NYCDEP IWCS (Sagar Chatergee) arrived at 2:00 PM. He will get maps of sewers and investigate any sewer contamination. At 4:05 PM he informed Sigona that catch basins lead to 156" twin storm drains. Notified USCG (Lt. Mark Maser) at 4:15 PM of possible release from storm sewers to East River.

By 5 PM, 3 vac trucks had been filled (approx. 8,000 gallons) and taken off-site by AAA.

At 6:20 PM, observed sheen on East River with Coast Guard and DEP. At 7:30 PM, while walking along N. 12th St. from Kent Ave to River, observed oil in two manholes (open grating on transformer manhole). (AJS)

6/17/92, 12:25 PM: Observed new collar on pipeline, examined pipeline repair. Met with Harry Coates, Carmine Sabatasso (Con Ed). Area is clean - OK to backfill. Observed a few drops of oil in the telephone conduit about 50 feet west of the leak however these conduits will be pressure washed. (AJS)

11/23/94: REASSIGNED FROM SIGONA TO ENGELHARDT ON 11/23/94.

APPENDIX B SITE NO. 25/45. TRANSFERRED FROM ENGELHARDT TO O'CONNELL.

Update 6/9/06

Spill closed based on final site investigation report located in eDocs App. B Site 25. (SKA)

**Map Identification Number 280**



**REGULATOR B9 TRIPS OUT!**

N.12TH ST. & KENT AVE.

BROOKLYN, NY

**Spill Number: 8600609**

**Close Date: 04/29/1986**

TT-Id: 520A-0039-318

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 2611 feet to the NW

ADDRESS CHANGE INFORMATION

Revised street: N.12TH ST. / KENT AVE.

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Local Agency

Caller Name:

DEC Investigator: UNASSIGNED

Spiller: NYC

Notifier Name:

Caller Agency:

Contact for more spill info:

Spiller Phone:

Notifier Phone:

Caller Phone:

Contact Person Phone:

| Spill Date | Date Cleanup Ceased | Cause of Spill    | Meets Cleanup Standards | Penalty Recommended |
|------------|---------------------|-------------------|-------------------------|---------------------|
| 04/24/1986 | 04/29/1986          | EQUIPMENT FAILURE | UNKNOWN                 | NO                  |

NO MATERIAL INFORMATION GIVEN FOR THIS SPILL

Caller Remarks:

ACT. SPILL-12MGD-REGULATOR CREW TO INVESTIGATE

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was " "  
 10/10/95: This is additional information about material spilled from the translation of the old spill file: WASTE WATER

**Map Identification Number 281**      **KENT AVE BETW N 7 & 8TH**      **Spill Number: 9001453**      **Close Date: 06/09/2006**  
      KENT AVE / N 7TH ST      BROOKLYN, NY      TT-Id: 520A-0039-357

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING  
 Approximate distance from property: 2621 feet to the WNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

|                                        |                              |                              |
|----------------------------------------|------------------------------|------------------------------|
| Source of Spill: COMMERCIAL/INDUSTRIAL | Spiller: CON ED              | Spiller Phone:               |
| Notifier Type: Responsible Party       | Notifier Name:               | Notifier Phone:              |
| Caller Name: JOHN EGAN                 | Caller Agency: CON ED        | Caller Phone: (212) 586-6766 |
| DEC Investigator: JHOCONNE             | Contact for more spill info: | Contact Person Phone:        |

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors),  
 contamination of drinking water supplies, or significant release to surface waters.  
 Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

| Spill Date | Date Cleanup Ceased | Cause of Spill    | Meets Cleanup Standards |  | Penalty Recommended |  |
|------------|---------------------|-------------------|-------------------------|--|---------------------|--|
| 05/08/1990 |                     | EQUIPMENT FAILURE | NO                      |  | NO                  |  |

| Material Spilled | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| #6 FUEL OIL      | PETROLEUM      | 2500             | GALLONS | 2500               | GALLONS | GROUNDWATER          |

Caller Remarks:

PIPELINE 10 FT BELOW GRADE LEAKED OIL ONTO STREET, SOIL CONTAMINATED AROUND PIPELINE, AAA CONTRACTORS REMOVED OIL SOAKED SOIL.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "O'CONNELL"

5/8/90, 11:00 AM; 20" line between N. 7th & N. 8th St. on Kent Ave. #6 oil leaked 10 gallons to street, ~800 gallons in vault removed by AAA contractors by 11:30AM. Upon arrival at 11:00 AM, observed oil in vault, oil surfacing from ground at point of excavation. Con Ed planning to introduce low-pour oil into the line and reduce pressure.

Howard Fickerssen, Supt. of Maintenance & Construction for Underground Transmissions (Con Ed) -(718) 706-2077. He reports there are 230,000 gallons of oil in pipeline (~2.5 miles long). Con Ed's North 1st Street terminal started packing the line with low pour oil at 9 AM, expect it to be complete in about 2 hours. (AJS)

5/8/90, 2:15 PM: returned to scene. Excavation of line continuing along pipeline sections towards N. 8th St. J&B Waste Oil, working for AAA, is picking up oil. J&B is pumping oil from the ground while Con Edison is excavating pavement area. (AJS)

11/15/94: REASSIGNED FROM SIGONA TO ENGELHARDT ON 11/15/94.

APPENDIX B SITE NO 25/45. TRANSFERRED FROM ENGELHARDT TO O'CONNELL.

Update 6/9/06

Spill closed based on final site investigation report located in eDocs App. B Site 25. (SKA)

**Map Identification Number 282**



**MCGUINESS BLVD & BQE**  
MCGUINESS BLVD & BQE

BROOKLYN, NY

**Spill Number: 0007090**

**Close Date: 10/05/2000**  
TT-Id: 520A-0051-757

**MAP LOCATION INFORMATION**

Site location mapped by: MANUAL MAPPING (3)  
Approximate distance from property: 2627 feet to the ENE

**ADDRESS CHANGE INFORMATION**

Revised street: MCGUINESS BLVD / BQE  
Revised zip code: 11222

Source of Spill: TANK TRUCK  
Notifier Type: Other  
Caller Name: GIL ROWLAND  
DEC Investigator: SIGONA

Spiller: MYSTIC TRANSPORTATION  
Notifier Name: MYSTIC TRANSPORTATION  
Caller Agency: ACTION ENVIRONMENTAL  
Contact for more spill info:

Spiller Phone: (718) 932-9075  
Notifier Phone: (718) 932-9075  
Caller Phone: (704) 394-6913  
Contact Person Phone:

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.

Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

| Spill Date | Date Cleanup Ceased | Cause of Spill    | Meets Cleanup Standards | Penalty Recommended |
|------------|---------------------|-------------------|-------------------------|---------------------|
| 09/15/2000 |                     | EQUIPMENT FAILURE | YES                     | NO                  |

| Material Spilled | Material Class | Quantity Spilled | Units   | Quantity Recovered | Units   | Resource(s) Affected |
|------------------|----------------|------------------|---------|--------------------|---------|----------------------|
| DIESEL           | PETROLEUM      | 100.00           | GALLONS | 0.00               | GALLONS | SOIL                 |

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Caller Remarks:

DRIVESHAFT SEPARATED AND WENT INTO FUEL TANK - CONTAINED - MILLER ENVIRONMENTAL RESPONDING

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DEC Investigator Remarks: DEC INVESTIGATOR REMARKS NOT AVAILABLE FOR THIS SPILL ACCORDING TO THE LAST UPDATE.

**The following DEC Investigator Remarks were available prior to 1/1/2002:**

On September 15, 2000, DEC Sigona responded to a 100 gallon diesel spill from a tanker truck leak on the Brooklyn Queens Expressway near McGuinness Blvd., in Greenpoint. The spill was caused by a broken drive shaft which caused a leak from the piping system for the tanker truck operated by Mystic Transportation. Fortunately there were no injuries to the driver or other vehicles on the road. The diesel spilled onto the roadway and drained to storm drains which poured down under the BQE. The product was contained by FDNY, and Mystic hired MEG to perform the cleanup. NYCDEP (Andrew Kelly) issued an order to Mystic to complete the cleanup of the catch basin.

**THE FOLLOWING CLOSED SPILLS FOR THIS CATEGORY WERE REPORTED BETWEEN 1/8 MILE AND 1/2 MILE FROM THE SUBJECT ADDRESS. THESE SPILLS WERE REPORTED TO BE LESS THAN 100 UNITS IN QUANTITY AND CAUSED BY: EQUIPMENT FAILURE, HUMAN ERROR, TANK OVERFILL, DELIBERATE SPILL, TRAFFIC ACCIDENT, HOUSEKEEPING, ABANDONED DRUM, OR VANDALISM. THESE SPILLS ARE NEITHER MAPPED NOR PROFILED IN THIS REPORT.**

| FACILITY ID | FACILITY NAME             | STREET                                       | CITY          |
|-------------|---------------------------|----------------------------------------------|---------------|
| 9709589     | ACROSS FROM HIGH SCHOOL   | N 7TH ST                                     | BROOKLYN      |
| 9707004     | AMOCO STATION             | 243 MEEKER AVENUE                            | BROOKLYN      |
| 9801444     | ALLEY WAY                 | 735 LORIMER ST                               | BROOKLYN      |
| 9006886     | 536 DRIGGS AVE/BKLYN      | 536 DRIGGS AVENUE                            | NEW YORK CITY |
| 9309397     | 536 DRIGGS AVENUE         | 536 DRIGGS AVENUE                            | BROOKLYN      |
| 9108752     | 536 DRIGGS AVE            | 536 DRIGGS AVENUE                            | BROOKLYN      |
| 8803052     | BROOKLYN-QUEENS EXPWY     | BKLYN/QUNS EXPWY/MEEKER                      | NEW YORK CITY |
| 0706476     | ALONG SIDE OF ROAD WAY    | 304 NORTH 7TH STREET                         | BROOKLYN      |
| 0701659     | WINTER RESIDENCE          | 167 N. 9TH ST                                | BROOKLYN      |
| 9806871     | FROST & MEEKER AVE        | 64 FROST STREET                              | BROOKLYN      |
| 9414974     | 107 BEDFORD AVENUE        | 107 BEDFORD AVENUE                           | BROOKLYN      |
| 9913668     | BEDFORD AVE AND NORTH 9TH | STREET                                       | BROOKLYN      |
| 0303503     | CON ED                    | N. 6TH STREET/MEEKER AVE                     | BROOKLYN      |
| 0204909     |                           | BROOKLYN QUEENS EXPRESSWAY NO BO @ METROPOLE | BROOKLYN      |
| 9606041     | BROOKLYN QUEENS EXPWY     | AT METROPOLITAN AVE                          | BROOKLYN      |
| 9702070     | BQE E/B &                 | METROPOLITAN AV                              | BROOKLYN      |
| 8804145     | BKLN-QNS EXPWY            | BETW MEEKER & MTRPLTN AVS                    | NEW YORK CITY |

|         |                            |                                |          |
|---------|----------------------------|--------------------------------|----------|
| 0307923 | BROOKLYN KINGS EXPRESSWAY  | AND METROPOLITAN AVE           | BROOKLYN |
| 9413258 | 152-154 BEDFORD AVENUE     | 153-154 BEDFORD AVENUE         | BROOKLYN |
| 9401305 | 66 JACKSON STREET          | 66 JACKSON STREET              | BROOKLYN |
| 9910186 | RODNEY STREET              | IN THE AREA OF 485 RODNEY      | BROOKLYN |
| 0012499 |                            | 561 METROPOLITAN AVE           | BROOKLYN |
| 9408142 | ALL CITY POULTRY CORP      | 211 N. 4TH ST                  | BROOKLYN |
| 9803583 | COLONIAL METAL SPINNING    | 144-142 N. 8TH ST              | BROOKLYN |
| 0802578 | CAR ACCIDENT               | 462 RODNEY STREET              | BROOKLYN |
| 9809311 |                            | 370 METROPOLITAN AVENUE        | BROOKLYN |
| 9804127 |                            | 133 NORTH 7TH ST               | BROOKLYN |
| 9514403 | VAULT2476                  | 55 BERRY ST                    | BROOKLYN |
| 9514404 | VAULT 2017                 | 55 BERRY ST                    | BROOKLYN |
| 0811706 | GAS STATION JK PETROLEUM   | 447 UNION AVE                  | BROOKLYN |
| 9503124 | RODNEY ST & AINSLEY ST     | RODNEY ST & AINSLEY ST         | BROOKLYN |
| 0700558 | PACK HOME                  | 105 BERRY STREET               | BROOKLYN |
| 0008211 |                            | 53-65 HOPE ST                  | BROOKLYN |
| 0800695 | DRUM RUN                   | 198 NORTH 4TH STREET           | BROOKLYN |
| 9713408 | METROPOLITAIN AVE AND      | ROEBLING ST                    | BROOKLYN |
| 9613561 | 34 AINSLE ST               | 34 AINSLE STREET               | BROOKLYN |
| 9501155 | 34 AINSLE STREET           | 34 AINSLE STREET               | BROOKLYN |
| 0704569 | GNA AUTO                   | 308 METROPOLITAN AVE           | BROOKLYN |
| 0711236 | INTERMASTER                | 387 MANHATTEN AVE              | BROOKLYN |
| 9400072 | 375 MANHATTAN AVENUE       | 375 MANHATTAN AVENUE           | BROOKLYN |
| 0209583 |                            | 95 CONSELYEA ST                | BROOKLYN |
| 0611654 | COMMERCIAL WAREHOUSE       | 14 HOPE ST                     | BROOKLYN |
| 9608634 | GELFAND RES.               | 398 MANHATTAN AVE              | BROOKLYN |
| 9706521 | U.S.TANK (LIBERTY TANK)    | 116 NORTH 5TH ST               | BROOKLYN |
| 0402857 | IN FRONT OF                | 90 NORTH 9TH ST                | BROOKLYN |
| 0413138 | DRUM RUN                   | 423 GRAND STREET               | BROOKLYN |
| 9900191 |                            | RODNEY ST & GRAND ST           | BROOKLYN |
| 9930005 | RODNEY ST & GRAND ST       | RODNEY ST & GRAND STREET       | BROOKLYN |
| 9815121 | RODNEY ST BETWEEN          | GRAND ST AND GRAND ST EXT      | BROOKLYN |
| 0600390 | TRUCK 60688 HYDRAULIC LEAK | LORIMER STREET & AINSLE STREET | BROOKLYN |
| 0611688 | PARKED VEHICLE AT          | 135 WYTHE AVE                  | BROOKLYN |
| 0405774 | MANHOLE# 25                | 9TH ST/WYTHE AVE               | BROOKLYN |
| 9214462 | 55 ECKFORD ST.             | 55 ECKFORD ST                  | BROOKLYN |
| 9502053 | LEONARD AVE & DEVOE ST     | LEONARD AVE / DEVOE ST         | BROOKLYN |
| 9308021 | 677 METROPOLITAN AVENUE    | 677 METROPOLITAN AVENUE        | BROOKLYN |
| 0608722 | SIDEWALK                   | 139 SKILLMAN AVE               | BROOKLYN |
| 0809469 | L GANZ SCRAP METAL INC     | 96 WHITE AVE                   | BROOKLYN |
| 0502023 | WEINBERGER                 | 178 HOPE STREET                | BROOKLYN |
| 0600809 | FRONT OF WAREHOUSE         | 94 BANKER ST                   | BROOKLYN |
| 0513858 | 85 N 5TH                   | 85 NORTH 5TH STREET            | BROOKLYN |
| 0710895 | CONSTRUCTION SITE          | 201 BERRY STREET               | BROOKLYN |

|         |                                                  |                                      |               |
|---------|--------------------------------------------------|--------------------------------------|---------------|
| 0007305 |                                                  | 74-76 WYTHE AVE                      | BROOKLYN      |
| 1006299 | WAREHOUSE                                        | 74 WYTHE AVE                         | BROOKLYN      |
| 0608057 | BROOKLYN QUEENS EXPRESS                          | GRAHAM AVE EAST BOUND DIR            | BROOKLYN      |
| 9904328 |                                                  | 73 NORTH 8TH STREET                  | BROOKLYN      |
| 0407198 | CORNER OF BROADWAY & WYTHE AVE                   | NEAR 41 WYTHE AVE                    | BROOKLYN      |
| 9803795 |                                                  | RODNEY ST NEAR S 1ST ST              | BROOKLYN      |
| 9207813 | 242 SO. FIRST STREET                             | 242 SO. FIRST STREET                 | BROOKLYN      |
| 0509415 | VAULT #VS849                                     | BEDFORD AVE SO. OF NASSAU AVE        | BROOKLYN      |
| 9303588 | BEDFORD & NASSAU AVES                            | BEDFORD & NASSAU AVES                | BROOKLYN      |
| 0403143 | SHELL GAS STATION                                | 351 SOUTH 1ST STREET                 | BROOKLYN      |
| 0712272 | SHELL STATION                                    | 351 SOUTH 1ST STREET                 | BROOKLYN      |
| 0012471 | VAULT 5413                                       | NORTH 6TH ST/WYTHE AV                | BROOKLYN      |
| 0101854 | VAULT 5413                                       | N 6TH ST & WYTE AV                   | BROOKLYN      |
| 9908120 | BAROUH EATON CORP                                | 67 KENT AVENUE                       | BROOKLYN      |
| 0112315 | WILLIAM WOODS                                    | 140 HAVEMEYER ST                     | BROOKLYN      |
| 9314920 | 173 METROPOLITAN AVE                             | 173 METROPOLITAN AVE                 | BROOKLYN      |
| 9513215 | 522 LEONARD ST                                   | 522 LEONARD ST                       | BROOKLYN      |
| 9813210 |                                                  | 610 MANHATTAN AVE                    | BROOKLYN      |
| 0111142 |                                                  | 109 NORTH 3RD STREET                 | BROOKLYN      |
| 0807403 | I/F/O NORTH 12TH ST BETWEEN WYTHE ST AND KENT ST | NORTH 12 TH ST BY WYTHE ST & KENT ST | BROOKLYN      |
| 0603836 | APART                                            | 204 SOUTH 1ST STREET                 | BROOKLYN      |
| 9913655 |                                                  | HOPPER ST / GRAND ST                 | BROOKLYN      |
| 1001843 | MUSTANG BULK                                     | 150 BANKER ST                        | BROOKLYN      |
| 0406925 |                                                  | 150 BANKER ST                        | BROOKLYN      |
| 8701082 | SKILLMAN AVE. & GRAHAM AV                        | SKILLMAN AVE./GRAHAM AVE.            | NEW YORK CITY |
| 9310560 | 101 ECKFORD STREET                               | 101 ECKFORD STREET                   | BROOKLYN      |
| 9511565 | 101 ECKFORD ST                                   | 101 ECKFORD STREET                   | BROOKLYN      |
| 0511246 | PRIVATE RESIDENCE                                | 101 ECKFORD STREET                   | BROOKLYN      |
| 0609437 | DYMEK HOME                                       | 101 ECKFORD STREET                   | BROOKLYN      |
| 0101439 | ON SIDE WALK                                     | HOOPER ST                            | BROOKLYN      |
| 9103108 | 53 KENT AVE / N 11TH ST                          | 53 KENT AVE / N 11TH ST              | NEW YORK CITY |
| 0810618 | MULTIPLE DWELLING                                | 383 SOUTH 1ST STREET                 | BROOKLYN      |
| 9802594 | APARTMENT BLDG                                   | 278 SOUTH 2ND ST                     | BROOKLYN      |
| 0402290 | MANHOLE 646                                      | BEDFORD AVE                          | BROOKLYN      |
| 9607724 | 274 SOUTH 2ND ST                                 | 274 SOUTH 2ND ST                     | BROOKLYN      |
| 9612453 | N 10TH ST/KENT AVE                               | N 10TH ST/KENT AVE                   | BROOKLYN      |
| 9005099 | N 9TH ST & KENT AVE/BKLYN                        | N 9TH ST / KENT AVE                  | NEW YORK CITY |
| 0012098 | STREET                                           | NORTH 11 STREET/KENT AVE             | BROOKLYN      |
| 0102020 |                                                  | HOOPER ST/SOUTH 1ST ST               | BROOKLYN      |
| 0404537 | MANHOLE 64827                                    | BANKER ST & NORMAN AVE               | BROOKLYN      |
| 0406990 | MANHOLE 641                                      | BANKER ST/NORMAN AVE                 | BROOKLYN      |
| 9805219 | 179 RICHARDSON ST                                | 179 RICHARDSON ST                    | BROOKLYN      |
| 0207689 | VS #6291                                         | KEAP ST / SOUTH 2ND ST               | BROOKLYN      |
| 9804116 |                                                  | NORTH 12TH ST & KENT AV              | BROOKLYN      |

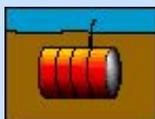
8503939 N. 12TH ST & 10TH AVE  
9500226 KENT & N. 12TH STREET  
0200826 ON STREET  
9300512 NORTH 7TH ST & KENT AVE  
9606564 30 HERBERT  
9813147 LONG JIM KITCHEN  
9509231 MEEKER AVE & HUMBOLDT ST  
8804872 BKLYN QUNS EXPWY/HUMBOLT  
0301048 BROOKLYN QUEENS EXPRESSWA  
0005147 BROOKLYN QUEENS EXP  
0005156 MEEKER AVE/MCGUINNESS BLVD  
9313143 298 BEDFORD AVENUE

N. 12TH ST / 10TH AVE  
KENT-N. 12TH ST-MAN.H.264  
KENT AVE  
NORTH 7TH ST & KENT AVE  
30 HERBERT ST  
329 GRAHAM AVE  
MEEKER AVE & HUMBOLDT ST  
BQE NORTHBOUND/HUMBOLT ST  
AND HUMBLE STREET  
MEEKER/MCGUINNESS  
MEEKER AVE/MCGUINNESS BLVD  
298 BEDFORD AVENUE

BROOKLYN  
BROOKLYN  
BROOKLYN  
BROOKLYN  
GREENPORT  
BROOKLYN  
BROOKLYN  
NEW YORK CITY  
BROOKLYN  
BROOKLYN  
BROOKLYN  
BROOKLYN



***NO OIL STORAGE FACILITIES LARGER THAN 400,000 GALLONS IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS***



**PETROLEUM BULK STORAGE FACILITIES LESS THAN 400,000 GALLONS IDENTIFIED WITHIN THE 1/8 MILE SEARCH RADIUS**

PLEASE NOTE: \* Compass directions can vary substantially for sites located very close to the subject property address.

**Map Identification Number 283**      **WING HON HOLDING, INC.**      **Facility Id: 2-609544**      **Source: NYS DEC**  
 BROOKLYN, 11211      237-243 NORTH 9TH STREET      TT-Id: 640A-0019-531

MAP LOCATION INFORMATION  
 Site location mapped by: MANUAL MAPPING (3)  
 Approximate distance from property: 87 feet to the WSW\*

ADDRESS CHANGE INFORMATION  
 Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

Facility Type: Other  
 Site Status: Unregulated  
 Expiration Date of the facility's registration certificate:  
 Operator Name: ALBERT CHAN  
 Owner Name: ALBERT CHAN - PRESIDENT  
 Owner Company: WING HON HOLDING, INC.  
 Owner Address: 2 REWE STREET, BROOKLYN, NY 11211

Operator Phone #: (718) 963-1010  
 Owner Type: Corporate or Commercial

| TANK NUMBER | TANK STATUS      | TANK CONTENT | CAPACITY GALLONS | TANK LOCATION                   | INSTALL DATE | TEST DATE | CLOSE DATE |
|-------------|------------------|--------------|------------------|---------------------------------|--------------|-----------|------------|
| 001         | Closed - Removed | #2 Fuel Oil  | 551              | Underground Vaulted with Access |              |           | 01/01/1991 |
| 002         | Closed - Removed | #2 Fuel Oil  | 551              | Underground Vaulted with Access |              |           | 01/01/1991 |

TANK NUMBER: 001  
 TANK EXT. PROTECTION: None  
 PIPING EXT. PROTECTN: None  
 PIPING TYPE: Steel/Carbon Steel/Iron  
 OVERFILL PROTECTION: None

TANK TYPE: Steel/Carbon Steel/Iron  
 TANK LEAK DETECTN: None  
 PIPING LEAK DETECTN:  
 PIPING LOCATION: Aboveground/Underground Combination  
 SPILL PREVENTION:

TK INT. PROTECTION: None  
 TK SEC. CONTAINMNT: Vault (w/o access)  
 PIPE SEC. CONTAINMNT:  
 DISPENSER METHOD: Suction

TANK NUMBER: 002  
 TANK EXT. PROTECTION: None  
 PIPING EXT. PROTECTN: None  
 PIPING TYPE: Steel/Carbon Steel/Iron  
 OVERFILL PROTECTION: None

TANK TYPE: Steel/Carbon Steel/Iron  
 TANK LEAK DETECTN: None  
 PIPING LEAK DETECTN:  
 PIPING LOCATION: Aboveground/Underground Combination  
 SPILL PREVENTION:

TK INT. PROTECTION: None  
 TK SEC. CONTAINMNT: Vault (w/o access)  
 PIPE SEC. CONTAINMNT:  
 DISPENSER METHOD: Suction

**Map Identification Number 284** **238 NORTH 9TH STREET REALTY CORP.**  
 238 NORTH 9TH STREET

**Facility Id: 2-370045**  
 BROOKLYN, 11211

**Source: NYS DEC**  
 TT-Id: 640A-0016-961

**MAP LOCATION INFORMATION**

Site location mapped by: MANUAL MAPPING (3)  
 Approximate distance from property: 244 feet to the SW

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

Facility Type: Manufacturing (Other than Chemical)/Processing  
 Site Status: Unregulated  
 Expiration Date of the facility's registration certificate:  
 Operator Name: 238 NORTH 9TH ST RLTY CORP  
 Owner Name:  
 Owner Company: KEN AUSTER  
 Owner Address: 43 RODNEY LANE, WESTBURY, NY 11590

Operator Phone #: (718) 782-6400  
 Owner Type: Corporate or Commercial

| TANK NUMBER | TANK STATUS       | TANK CONTENT | CAPACITY GALLONS | TANK LOCATION | INSTALL DATE | TEST DATE  | CLOSE DATE |
|-------------|-------------------|--------------|------------------|---------------|--------------|------------|------------|
| 001         | Closed - In Place | #2 Fuel Oil  | 3000             | Underground   |              | 07/01/1995 | 11/04/2000 |

TANK NUMBER: 001  
 TANK EXT. PROTECTION: Painted/Asphalt Coating  
 PIPING EXT. PROTECTN: None  
 PIPING TYPE: Steel/Carbon Steel/Iron  
 OVERFILL PROTECTION: Product Level Gauge (A/G)

TANK TYPE: Steel/Carbon Steel/Iron  
 TANK LEAK DETECTN: Groundwater Well  
 PIPING LEAK DETECTN:  
 PIPING LOCATION: Underground/On-ground  
 SPILL PREVENTION:

TK INT. PROTECTION: None  
 TK SEC. CONTAINMNT: None  
 PIPE SEC. CONTAINMNT:  
 DISPENSER METHOD: Suction

**Map Identification Number 285** **ATLAS FEATHER CORP**  
 38 ROEBLING ST

**Facility Id: NY01674**  
 BROOKLYN, NY 11211

**Source: NYC FIRE DEPT**  
 TT-Id: 660A-0004-864

**MAP LOCATION INFORMATION**

Site location mapped by: MANUAL MAPPING (3)  
 Approximate distance from property: 275 feet to the WNW

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

NOTE: This is an archived database

Comments: FO #4 1TK 2000 ADD 1TK 2000

**Map Identification Number 286** **ROEBLING VIEW NORTH, LLC**  
 5 ROEBLING STREET

**Facility Id: 2-604046**  
 BROOKLYN, 11211

**Source: NYS DEC**  
 TT-Id: 640A-0014-410

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)  
 Approximate distance from property: 316 feet to the NNE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

Facility Type: Other Wholesale/Retail Sales  
 Site Status: Unregulated  
 Expiration Date of the facility's registration certificate:  
 Operator Name: LOUIS HANDLER  
 Owner Name: LOIUS HANDLER - OWNER  
 Owner Company: ROEBLING VIEW NORTH, LLC  
 Owner Address: 329 HEWES STREET, VALLEY STREAM, NY 11580

Operator Phone #: (718) 302-7005  
 Owner Type: Corporate or Commercial

| TANK NUMBER | TANK STATUS      | TANK CONTENT       | CAPACITY GALLONS | TANK LOCATION                      | INSTALL DATE | TEST DATE | CLOSE DATE |
|-------------|------------------|--------------------|------------------|------------------------------------|--------------|-----------|------------|
| 001         | Closed - Removed | Waste Oil/Used Oil | 275              | Aboveground - In Contact with Soil |              |           | 07/30/1999 |
| 002         | Closed - Removed | Gasoline           | 550              | Underground                        |              |           | 05/06/2008 |
| 003         | Closed - Removed | Gasoline           | 550              | Underground                        |              |           | 05/06/2008 |

**Map Identification Number 287** **J. TUOMEY TRUCK REPAIRS**  
 5 ROEBLING ST

**Facility Id: NY05163**  
 BROOKLYN, NY 11211

**Source: NYC FIRE DEPT**  
 TT-Id: 660A-0004-865

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)  
 Approximate distance from property: 316 feet to the NNE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

NOTE: This is an archived database

Comments: 6 VEHICLES 5 ADD VEHICLES NRP  
 1 550 UNIT GAS BTLT 5/17/82  
 COF#25761

**Map Identification Number 288** **544 UNION OWNER LLC**  
 544 UNION AVENUE

**Facility Id: 2-610640**  
 BROOKLYN, 11211

**Source: NYS DEC**  
 TT-Id: 640A-0081-233

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)  
 Approximate distance from property: 372 feet to the ESE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

Facility Type: Other  
 Site Status: Unregulated  
 Expiration Date of the facility's registration certificate:  
 Operator Name: LESLIE WESTREICH  
 Owner Name: LESLIE WESTREICH - MANAGER  
 Owner Company: 544 UNION OWNER LLC  
 Owner Address: 190 NORTH 10TH ST., SUITE 306, BROOKLYN, NY 11211

Operator Phone #: (718) 302-0008  
 Owner Type: Corporate or Commercial

| TANK NUMBER | TANK STATUS      | TANK CONTENT | CAPACITY GALLONS | TANK LOCATION                   | INSTALL DATE | TEST DATE | CLOSE DATE |
|-------------|------------------|--------------|------------------|---------------------------------|--------------|-----------|------------|
| 001         | Closed - Removed | Gasoline     | 1800             | Underground Vaulted with Access |              |           | 08/03/2007 |

**Map Identification Number 289** **568-580 UNION AVENUE**  
 568-580 UNION AVENUE

**Facility Id: 2-610135** **Source: NYS DEC**  
 BROOKLYN, 11211 TT-Id: 640A-0016-955

MAP LOCATION INFORMATION  
 Site location mapped by: MANUAL MAPPING (3)  
 Approximate distance from property: 391 feet to the ENE

ADDRESS CHANGE INFORMATION  
 Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

Facility Type: Other  
 Site Status: Unregulated  
 Expiration Date of the facility's registration certificate:  
 Operator Name: SOLOMON LANDAU  
 Owner Name: ROMEO SANTOS - AGENT  
 Owner Company: MC CAREN PARK ESTATES, LLC.  
 Owner Address: 4620 16TH AVENUE, BROOKLYN, NY 11204

Operator Phone #: (718) 686-1900  
 Owner Type: Corporate or Commercial

| TANK NUMBER | TANK STATUS      | TANK CONTENT | CAPACITY GALLONS | TANK LOCATION | INSTALL DATE | TEST DATE | CLOSE DATE |
|-------------|------------------|--------------|------------------|---------------|--------------|-----------|------------|
| 1           | Closed - Removed | #6 Fuel Oil  | 4000             | Underground   | 01/29/2006   |           | 01/29/2006 |

**Map Identification Number 290** **MC CAREN PARK MEWS, LLC**  
 204 NORTH 11TH STREET

**Facility Id: 2-610707** **Source: NYS DEC**  
 BROOKLYN, 11211 TT-Id: 640A-0081-246

MAP LOCATION INFORMATION  
 Site location mapped by: MANUAL MAPPING (3)  
 Approximate distance from property: 487 feet to the NNW

ADDRESS CHANGE INFORMATION  
 Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

Facility Type: Other  
 Site Status: Unregulated  
 Expiration Date of the facility's registration certificate:  
 Operator Name: MR. ISAAC SCHWARTZ

Operator Phone #: (917) 282-6071

Owner Name: MR. ISAAC SCHWARTZ - PRESIDENT  
 Owner Company: MR. ISAAC SCHWARTZ  
 Owner Address: 320 ROEBLING ST., #316, BROOKLYN, NY 11211

Owner Type: Corporate or Commercial

| TANK NUMBER | TANK STATUS      | TANK CONTENT | CAPACITY GALLONS | TANK LOCATION | INSTALL DATE | TEST DATE | CLOSE DATE |
|-------------|------------------|--------------|------------------|---------------|--------------|-----------|------------|
| 01          | Closed - Removed | #2 Fuel Oil  | 2000             | Underground   |              |           | 08/01/2006 |

**Map Identification Number 291** **SUMET I ASSOCIATES**  
 215 ROEBLING ST.

**Facility Id: 2-610790**  
 BROOKLYN, 11211

**Source: NYS DEC**  
 TT-Id: 640A-0081-265

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)  
 Approximate distance from property: 507 feet to the N

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

Facility Type: Apartment Building/Office Building  
 Site Status: Active  
 Expiration Date of the facility's registration certificate: 12/27/2011  
 Operator Name: EUGENE TORRES  
 Owner Name: SCOTT JAFFEE - MANAGING MEMBER  
 Owner Company: SUMET I ASSOCIATES LP @ METROPOLITAN REALTY GROUP  
 Owner Address: 15 W 39TH ST., 7TH FL., NEW YORK, NY 10018

Operator Phone #: (718) 218-7635

Owner Type: Corporate or Commercial

| TANK NUMBER | TANK STATUS | TANK CONTENT | CAPACITY GALLONS | TANK LOCATION                            | INSTALL DATE | TEST DATE | CLOSE DATE |
|-------------|-------------|--------------|------------------|------------------------------------------|--------------|-----------|------------|
| 1           | In Service  | #2 Fuel Oil  | 6000             | Abovegrnd - In Contact w/Imperv. Barrier | 01/20/1980   |           |            |

**Map Identification Number 292** **LOS SURES MGMT CORP.**  
 215 ROEBLING ST

**Facility Id: NY06153**  
 BROOKLYN, NY 10011

**Source: NYC FIRE DEPT**  
 TT-Id: 660A-0004-863

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)  
 Approximate distance from property: 507 feet to the N

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
 Revised zip code: 11211

NOTE: This is an archived database

Comments: 1 TK3000 GAL FO#2

**Map Identification Number 293** **WING HON HOLDING**  
 212-218 NORTH 9TH STREET

**Facility Id: 2-609548**  
 BROOKLYN, 11211

**Source: NYS DEC**  
 TT-Id: 640A-0016-956

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)  
 Approximate distance from property: 517 feet to the W

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

Facility Type: Other  
 Site Status: Unregulated  
 Expiration Date of the facility's registration certificate:  
 Operator Name: ALBERT CHAN  
 Owner Name: ALBERT CHAN - PRESIDENT  
 Owner Company: WING HON HOLDING INC.  
 Owner Address: 2 REWE STREET + 300 VANDER VOORT AVENUE, BROOKLYN, NY 11211

Operator Phone #: (718) 963-1010  
 Owner Type: Corporate or Commercial

| TANK NUMBER | TANK STATUS      | TANK CONTENT | CAPACITY GALLONS | TANK LOCATION                   | INSTALL DATE | TEST DATE | CLOSE DATE |
|-------------|------------------|--------------|------------------|---------------------------------|--------------|-----------|------------|
| 001         | Closed - Removed | Diesel       | 551              | Underground Vaulted with Access |              |           | 08/01/1996 |
| 002         | Closed - Removed | Diesel       | 551              | Underground Vaulted with Access |              |           | 08/01/1996 |

**Map Identification Number 294** **OUR LADY OF MOUNT CARMEL R.C. CHURCH**  
 11-23 HAVEMEYER STREET

**Facility Id: 2-130249**  
 BROOKLYN, 11211

**Source: NYS DEC**  
 TT-Id: 640A-0016-959

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)  
 Approximate distance from property: 613 feet to the SSE

ADDRESS CHANGE INFORMATION

Revised street: 275 NORTH 8TH STREET  
 Revised zip code: NO CHANGE

Facility Type: Other  
 Site Status: Unregulated  
 Expiration Date of the facility's registration certificate:  
 Operator Name: OUR LADY OF MOUNT CARMEL CHURCH  
 Owner Name:  
 Owner Company: OUR LADY OF MOUNT CARMEL R.C. CHURCH  
 Owner Address: 275 NORTH 8TH STREET, BROOKLYN, NY 11211

Operator Phone #: (718) 384-0223  
 Owner Type: Corporate or Commercial

| TANK NUMBER | TANK STATUS      | TANK CONTENT | CAPACITY GALLONS | TANK LOCATION | INSTALL DATE | TEST DATE  | CLOSE DATE |
|-------------|------------------|--------------|------------------|---------------|--------------|------------|------------|
| 001         | Closed - Removed | #2 Fuel Oil  | 5000             | Underground   | 12/01/1950   | 05/01/1998 | 11/01/1999 |

**Map Identification Number 295** **AUTOMATIC BEDDING**  
 25 RICHARDSON ST

MAP LOCATION INFORMATION  
Site location mapped by: PARCEL MAPPING (4)  
Approximate distance from property: 617 feet to the ENE

NOTE: This is an archived database

Comments: BTLT 1/550 DSL 8/20/90  
TANK TEST 8/20/90

**Facility Id: NY01695** **Source: NYC FIRE DEPT**  
BROOKLYN, NY 11211 TT-Id: 660A-0004-932

ADDRESS CHANGE INFORMATION  
Revised street: NO CHANGE  
Revised zip code: NO CHANGE

**Map Identification Number 296** **HILDA GEBBERD**  
 28 HAVEMEYER ST

MAP LOCATION INFORMATION  
Site location mapped by: MANUAL MAPPING (3)  
Approximate distance from property: 650 feet to the SSW

NOTE: This is an archived database

Comments: FUEL OIL NO 6 3000 GALS

**Facility Id: NY04761** **Source: NYC FIRE DEPT**  
BROOKLYN, NY 11211 TT-Id: 660A-0004-862

ADDRESS CHANGE INFORMATION  
Revised street: NO CHANGE  
Revised zip code: NO CHANGE



**HAZARDOUS WASTE GENERATORS/TRANSPORTERS IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS**

PLEASE NOTE: \* Compass directions can vary substantially for sites located very close to the subject property address.

**Map Identification Number 297**



**NYSDEC Name:** 261 DEVELOPMENT GROUP  
**NYSDEC Address:** 261 N 9TH ST  
**EPA (RCRA) Name:** 261 DEVELOPMENT GROUP  
**EPA (RCRA) Address:** 261 N 9TH ST

BROOKLYN, NY 11222  
 BROOKLYN, NY 11211

**Facility Id:** NYR000156455  
**TT-Id:** 740A-0061-438

**MAP LOCATION INFORMATION**

Site location mapped by: MANUAL MAPPING (3)  
 Approximate distance from property: 174 feet to the SSE\*

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE  
 Revised zip code: 11211

US EPA RCRA Type: LARGE QUANTITY GENERATOR

Notification date: 03/25/2008

Land Disposal: Receives offsite waste:  
 Storer: Treatment facility:

Incinerator:  
 Transporter:

Contact Name: MAX STARK Source Type: Implementer  
 Contact Name: MAX STARK Source Type: Notification

Contact Phone: 718-349-8067 Contact Info Date: 03/24/2008  
 Contact Phone: 718-349-8067 Contact Info Date: 03/25/2008

**NYS DEC Manifested Waste Summary:**

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

| WASTE CODE | WASTE DESCRIPTION | WASTE AMOUNT | WASTE UNITS | TRANSACTION TYPE | YEAR | HISTORIC MAXIMUM AMOUNT | YEAR |
|------------|-------------------|--------------|-------------|------------------|------|-------------------------|------|
| D008       | Lead              | 110          | POUNDS      | GENERATED        | 2008 |                         |      |
| D008       | Lead              | 110          | TONS        | GENERATED        | 2008 |                         |      |

**Map Identification Number 298**



**NYSDEC Name:** 544 UNION OWNER LLC  
**NYSDEC Address:** 544 UNION AVENUE  
**EPA (RCRA) Name:** 544 UNION OWNER, LLC  
**EPA (RCRA) Address:** 544 UNION AVENUE

BROOKLYN, NY 11211  
 BROOKLYN, NY 11211

**Facility Id:** NYR000014472  
**TT-Id:** 740A-0011-581

**MAP LOCATION INFORMATION**

Site location mapped by: MANUAL MAPPING (3)  
 Approximate distance from property: 385 feet to the ESE

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

US EPA RCRA Type: SMALL QUANTITY GENERATOR Notification date: 08/14/2007  
 Land Disposal: Receives offsite waste: Incinerator:  
 Storer: Treatment facility: Transporter:  
 Contact Name: DEBORAH SHAPIRO Source Type: Implementer Contact Phone: 516-576-8844 Contact Info Date: 08/13/2007  
 Contact Name: DEBORAH SHAPIRO Source Type: Notification Contact Phone: 516-576-8844 Contact Info Date: 08/14/2007  
 Contact Name: LESLIE WESTREICH Source Type: Annual/Biennial Report Contact Phone: 718-302-8 Contact Info Date: 03/01/2008

Historically listed as the following USEPA RCRA Generator Size(s) as well:  
 CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR

US EPA RCRA Violations:  
 Violation Type: Generators - General Responsible Agency: EPA  
 Violation Number: 0001 Location: NY Violation Determination Date: 08/24/1999  
 Former Citation: Violation Return to Compliance: 08/24/1999

NYS DEC Manifested Waste Summary:  
 Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

| WASTE CODE | WASTE DESCRIPTION          | WASTE AMOUNT | WASTE UNITS | TRANSACTION TYPE | YEAR | HISTORIC MAXIMUM AMOUNT | YEAR |
|------------|----------------------------|--------------|-------------|------------------|------|-------------------------|------|
| D008       | Lead                       | 58380        | POUNDS      | GENERATED        | 2007 |                         |      |
| F002       | Spent halogenated solvents | 300          | GALLONS     | GENERATED        | 1997 | 550                     | 1995 |

**Map Identification Number 299**  **NYSDEC Name: MCCAREN MEWS LLC** **Facility Id: NYR000140947**  
 NYSDEC Address: 204 NORTH 11TH STREET BROOKLYN, NY 11201 TT-Id: 740A-0061-522  
 EPA (RCRA) Name: MCCAREN MEWS LLC  
 EPA (RCRA) Address: 204 N 11TH ST BROOKLYN, NY 11211

MAP LOCATION INFORMATION  
 Site location mapped by: MANUAL MAPPING (3)  
 Approximate distance from property: 452 feet to the NNW

ADDRESS CHANGE INFORMATION  
 Revised street: 204 N 11TH ST  
 Revised zip code: 11211

US EPA RCRA Type: SMALL QUANTITY GENERATOR Notification date: 08/07/2006  
 Land Disposal: Receives offsite waste: Incinerator:  
 Storer: Treatment facility: Transporter:  
 Contact Name: CHARLES SOSIK Source Type: Implementer Contact Phone: 631-589-6353 Contact Info Date: 01/01/2007  
 Contact Name: CHARLES SOSIK Source Type: Notification Contact Phone: 631-589-6353 Contact Info Date: 08/07/2006

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

| WASTE CODE | WASTE DESCRIPTION | WASTE AMOUNT | WASTE UNITS | TRANSACTION TYPE | YEAR | HISTORIC MAXIMUM AMOUNT | YEAR |
|------------|-------------------|--------------|-------------|------------------|------|-------------------------|------|
| D008       | Lead              | 66           | TONS        | GENERATED        | 2006 |                         |      |
| D008       | Lead              | 1391         | CUBIC YDS   | GENERATED        | 2006 |                         |      |

Map Identification Number 300



NYSDEC Name:

NYSDEC Address:

EPA (RCRA) Name:

EPA (RCRA) Address:

CONSOLIDATED EDISON

V069-N 8TH & ROEBLING

TM0069

N 8TH STREET AND ROEBLING

NEW YORK, NY

NEW YORK CITY, NY 11231

Facility Id: NYP004031381

TT-Id: 740A-0012-399

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 466 feet to the WSW

ADDRESS CHANGE INFORMATION

Revised street: N 8TH ST / ROEBLING ST

Revised zip code: 11211

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN

Land Disposal:

Receives offsite waste:

Storer:

Treatment facility:

Notification date: None Given

Incinerator:

Transporter:

Contact Name: ANTHONY DRUMMINGS

Source Type: Implementer

Contact Phone: 212-460-3770

Contact Info Date: 01/03/2001

Contact Name: ANTHONY DRUMMINGS

Source Type: Annual/Biennial Report

Contact Phone: 212-460-3770

Contact Info Date: 01/01/2001

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

| WASTE CODE | WASTE DESCRIPTION                                                | WASTE AMOUNT | WASTE UNITS | TRANSACTION TYPE | YEAR | HISTORIC MAXIMUM AMOUNT | YEAR |
|------------|------------------------------------------------------------------|--------------|-------------|------------------|------|-------------------------|------|
| B002       | Petroleum oil or other liquid containing 50 ppm < PCBs < 500 ppm | 1164         | KILOGRAMS   | GENERATED        | 1999 |                         |      |

**Map Identification Number 301**



**NYSDEC Name:**

NYSDEC Address:

EPA (RCRA) Name:

EPA (RCRA) Address:

**P & G PHOTO ENGRAVING**

17 FROST ST

P & G PHOTO ENGRAVING CO INC

17 FROST ST

BROOKLYN, NY 11211

BROOKLYN, NY 11211

**Facility Id: NYD044359347**

TT-Id: 740A-0016-960

**MAP LOCATION INFORMATION**

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 478 feet to the E

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE

Revised zip code: NO CHANGE

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN

Land Disposal:

Receives offsite waste:

Storer:

Treatment facility:

Notification date: 10/09/1986

Incinerator:

Transporter:

Contact Name: JOHN AMENTA

Source Type: Notification

Contact Phone: 718-387-3005

Contact Info Date: 10/09/1986

**NYS DEC Manifested Waste Summary:**

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

| WASTE CODE | WASTE DESCRIPTION                             | WASTE AMOUNT | WASTE UNITS | TRANSACTION TYPE | YEAR | HISTORIC MAXIMUM AMOUNT | YEAR |
|------------|-----------------------------------------------|--------------|-------------|------------------|------|-------------------------|------|
| F001       | Spent halogenated solvents used in degreasing | 55           | GALLONS     | GENERATED        | 2002 | 55                      | 1994 |
| D004       | Arsenic                                       | 55           | GALLONS     | GENERATED        | 1994 |                         |      |
| F001       | Spent halogenated solvents used in degreasing | 200          | POUNDS      | GENERATED        | 1987 |                         |      |

**Map Identification Number 302**



**EPA (RCRA) Name:**

EPA (RCRA) Address:

NYSDEC Name:

NYSDEC Address:

**ADELPHIA CONTAINER CORP**

206 N 10TH ST

LINK FLIGHT SIMULATION CORPORATION

11 BECKWITH AVENUE

BROOKLYN, NY 112111109

HILLCREST, NY 13901

**Facility Id: NYD000818476**

TT-Id: 740A-0016-959

**MAP LOCATION INFORMATION**

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 550 feet to the NW

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Special Note: The New York State Department of Environmental Conservation and the U. S. Environmental Protection Agency have reported different locations for this hazardous waste identification number. Available information for both locations is summarized below.

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN

Land Disposal:

Receives offsite waste:

Storer:

Treatment facility:

Notification date: 08/18/1980

Incinerator:

Transporter:

Contact Name: JOE ALLOCCO

Source Type: Notification

Contact Phone: 718-388-5202

Contact Info Date: 08/18/1980

Historically listed as the following USEPA RCRA Generator Size(s) as well:

SMALL QUANTITY GENERATOR

NYS DEC Manifested Waste Summary:  
 Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

| WASTE CODE | WASTE DESCRIPTION | WASTE AMOUNT | WASTE UNITS | TRANSACTION TYPE | YEAR | HISTORIC MAXIMUM AMOUNT | HISTORIC MAXIMUM YEAR |
|------------|-------------------|--------------|-------------|------------------|------|-------------------------|-----------------------|
|------------|-------------------|--------------|-------------|------------------|------|-------------------------|-----------------------|

NONE Site reported by US EPA. No hazardous waste activity reported by NYS.

|                                                                                                                          |                                                                                   |                                                                               |                                                            |                                                          |
|--------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------------|
| <b>Map Identification Number 303</b><br> | <b>NYSDEC Name:</b><br>NYSDEC Address:<br>EPA (RCRA) Name:<br>EPA (RCRA) Address: | <b>ATELIER VIOLETT</b><br>505 DRIGGS AVE<br>ATELIER VIOLETT<br>505 DRIGGS AVE | <b>BROOKLYN, NY 11211</b><br><br><b>BROOKLYN, NY 11211</b> | <b>Facility Id: NYR000113456</b><br>TT-Id: 740A-0011-716 |
|--------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------------|

MAP LOCATION INFORMATION  
 Site location mapped by: MANUAL MAPPING (3)  
 Approximate distance from property: 615 feet to the WNW

ADDRESS CHANGE INFORMATION  
 Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

|                                            |                               |                             |                               |
|--------------------------------------------|-------------------------------|-----------------------------|-------------------------------|
| US EPA RCRA Type: SMALL QUANTITY GENERATOR | Notification date: 02/18/2003 |                             |                               |
| Land Disposal: Receives offsite waste:     | Incinerator:                  |                             |                               |
| Storer: Treatment facility:                | Transporter:                  |                             |                               |
| Contact Name: JEAN PAUL VIOLETT            | Source Type: Implementer      | Contact Phone: 718-782-1727 | Contact Info Date: 01/01/2007 |
| Contact Name: JEAN PAUL VIOLETT            | Source Type: Notification     | Contact Phone: 718-782-1727 | Contact Info Date: 02/18/2003 |

NYS DEC Manifested Waste Summary:  
 Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

| WASTE CODE | WASTE DESCRIPTION | WASTE AMOUNT | WASTE UNITS | TRANSACTION TYPE | YEAR | HISTORIC MAXIMUM AMOUNT | HISTORIC MAXIMUM YEAR |
|------------|-------------------|--------------|-------------|------------------|------|-------------------------|-----------------------|
|------------|-------------------|--------------|-------------|------------------|------|-------------------------|-----------------------|

More than one waste code was reported for the following waste amount:

|      |                                                              |     |        |           |      |     |      |
|------|--------------------------------------------------------------|-----|--------|-----------|------|-----|------|
| F003 | Spent non-halogenated solvents                               | 400 | POUNDS | GENERATED | 2011 | 900 | 2010 |
| D001 | Solid waste that exhibits the characteristic of ignitability |     |        |           |      |     |      |
| D008 | Lead                                                         |     |        |           |      |     |      |
| D010 | Selenium                                                     |     |        |           |      |     |      |
| F005 | Spent non-halogenated solvents                               |     |        |           |      |     |      |

More than one waste code was reported for the following waste amount:

|      |                                |     |        |           |      |  |  |
|------|--------------------------------|-----|--------|-----------|------|--|--|
| F003 | Spent non-halogenated solvents | 475 | POUNDS | GENERATED | 2006 |  |  |
|------|--------------------------------|-----|--------|-----------|------|--|--|

NYS DEC Manifested Waste Transactions for NYR000113456 continued --- see previous page

| WASTE CODE | WASTE DESCRIPTION                                            | WASTE AMOUNT | WASTE UNITS | TRANSACTION TYPE | YEAR | HISTORIC MAXIMUM AMOUNT | YEAR |
|------------|--------------------------------------------------------------|--------------|-------------|------------------|------|-------------------------|------|
| D001       | Solid waste that exhibits the characteristic of ignitability |              |             |                  |      |                         |      |
| D008       | Lead                                                         |              |             |                  |      |                         |      |
| D010       | Selenium                                                     |              |             |                  |      |                         |      |
| D035       | Methyl ethyl ketone                                          |              |             |                  |      |                         |      |
| F005       | Spent non-halogenated solvents                               |              |             |                  |      |                         |      |

NOTE: 2011 waste amounts are for 1/1/11 to 6/7/11 only

**Map Identification Number 304**



**NYSDEC Name:**

NYSDEC Address:

EPA (RCRA) Name:

EPA (RCRA) Address:

**PURITAN LIGHTING FIXTURE CO**

255 N 7TH ST

PURITAN LIGHTING FIXTURE CO

255 N 7TH ST

BROOKLYN, NY 11211

BROOKLYN, NY 112112108

**Facility Id: NYD063866545**

TT-Id: 740A-0016-958

**MAP LOCATION INFORMATION**

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 622 feet to the SSW

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE

Revised zip code: NO CHANGE

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN

Land Disposal:

Receives offsite waste:

Storer:

Treatment facility:

Notification date: 03/21/1985

Incinerator:

Transporter:

Contact Name: NILDO FORTUNATO

Source Type: Notification

Contact Phone: 718-387-7511

Contact Info Date: 03/21/1985

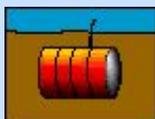
Historically listed as the following USEPA RCRA Generator Size(s) as well:

LARGE QUANTITY GENERATOR

**NYS DEC Manifested Waste Summary:**

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

| WASTE CODE | WASTE DESCRIPTION                                                     | WASTE AMOUNT | WASTE UNITS | TRANSACTION TYPE | YEAR | HISTORIC MAXIMUM AMOUNT | YEAR |
|------------|-----------------------------------------------------------------------|--------------|-------------|------------------|------|-------------------------|------|
| NONE       | Site reported by US EPA. No hazardous waste activity reported by NYS. |              |             |                  |      |                         |      |



**CHEMICAL STORAGE FACILITIES IDENTIFIED WITHIN THE 1/8 MILE SEARCH RADIUS**

PLEASE NOTE: \* Compass directions can vary substantially for sites located very close to the subject property address.

**Map Identification Number 305**      **ROBINSON BROS. INDUSTRIES, CORP.**  
 215 NORTH 10TH ST

BROOKLYN, NY 11211

**Facility Id: 2-000052**  
 TT-Id: 780A-0000-749

**MAP LOCATION INFORMATION**

Site location mapped by: MANUAL MAPPING (3)  
 Approximate distance from property: 363 feet to the NNW

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

Expiration Date of the facility's registration certificate:

Site Status: Unregulated

NOTE: The following detailed facility and tank information has not been made publicly available by the NYSDEC since 1/1/2002.

Owner Name: ROBINSON BROS. INDUSTRIES  
 Owner Address: 215 NORTH 10TH ST.  
 Operator Name: EDWARD J. MAGUIRE  
 Site Type: CHEMICAL DISTRIBUTOR

BROOKLYN, NY 11211  
 Facility Phone #: (718) 963-4260

| TANK NUMBER | TANK STATUS     | CHEMICAL NAME      | CAPACITY GALLONS | TANK LOCATION                 | INSTALL DATE | DATE CLOSED |
|-------------|-----------------|--------------------|------------------|-------------------------------|--------------|-------------|
| 001         | CLOSED-REMOVED  | HYDROCHLORIC ACID  | 5000             | ABOVEGROUND ON LEGS RACKS ETC | 04/86        | 02/92       |
| 002         | CLOSED-REMOVED  | AMMONIUM HYDROXIDE | 12000            | ABOVEGROUND ON LEGS RACKS ETC | 01/86        | 02/92       |
| 003         | CLOSED-IN PLACE | NITRIC ACID        | 2000             | ABOVEGROUND ON LEGS RACKS ETC | 01/86        | 01/91       |

**Toxicity Information Summary**

| CHEMICAL NAME      | CAS-NO  | ACUTE TOX | TUMOR TOX | MUTAG TOX | REPRO TOX | IRRIT TOX | MCL |
|--------------------|---------|-----------|-----------|-----------|-----------|-----------|-----|
| HYDROCHLORIC ACID  | 7647010 | X         |           | X         | X         | X         |     |
| AMMONIUM HYDROXIDE | 1336216 | X         |           | X         |           | X         |     |
| NITRIC ACID        | 7697372 | X         |           |           | X         |           |     |



***NO HISTORIC UTILITY SITES IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS***



**HAZARDOUS SUBSTANCE WASTE DISPOSAL SITES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS**

PLEASE NOTE: \* Compass directions can vary substantially for sites located very close to the subject property address.

|                                                                                  |                    |                    |                        |                       |
|----------------------------------------------------------------------------------|--------------------|--------------------|------------------------|-----------------------|
| <b>Map Identification Number 306</b>                                             | <b>CITY BARREL</b> |                    | <b>Site Number Id:</b> | <b>Registry Id: N</b> |
|  | 421 MEEKER STREET  | BROOKLYN, NY 11222 |                        | TT-Id: 840A-0000-409  |

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)  
Approximate distance from property: 1948 feet to the ENE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

\*\*\*\*\*

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
Division of Hazardous Waste Remediation  
Hazardous Substance Waste Disposal Site Study

Inventory Status: Removed from the Hazardous Substance Inventory  
Reason site did not qualify for the Inventory:  
No evidence of disposal

SITE INFORMATION

Site Name: CITY BARREL  
Site Street: 421 MEEKER STREET  
Site City: BROOKLYN  
Site Zip: 11222  
Region: 2

Site Number:  
Registry: No  
Registry Site ID: None  
RCRA: Unknown  
EPA ID: NYD068298835

US EPA No Further Remedial Action Planned? Unknown

Site Code: 1  
Description: INDUSTRIAL SITE

Acres: 0.00  
Completed Investigation? PA  
Is Site Active: Unknown  
Years of Operation: 1940 to Unknown

Quadrangle: Unknown  
HRS Score: Unknown  
HRS Date: Unknown

Site Description:

Storage site for reconditioned drums.

Owner: Private  
 Owner Name: HARRY GOLDSTEIN  
 Owner Street: 421 MEEKER ST.  
 Owner City/ZIP/State: BROOKLYN, NY 11222  
 Owner Telephone: (212) 388-9227

Operator: SAME  
 Operator Name: Unknown  
 Operator Street: Unknown  
 Operator City/ZIP/State:  
 Operator Telephone: Unknown

#### SITE IMPACT DATA

##### Affected Media:

|                      |         |                                                     |         |
|----------------------|---------|-----------------------------------------------------|---------|
| Contamination of...  |         | Hazardous Substance Exposed?                        | Unknown |
| ...Surface Water?    | No      | Controlled Site Access?                             | Unknown |
| ...Groundwater?      | No      | Ambient Air Contamination?                          | Unknown |
| ...Drinking Water?   | No      | Threat of Direct Contact?                           | Unknown |
| Surface Water Class: | Unknown | Documented Fish or Wildlife Mortality?              | No      |
| Groundwater Class:   | Unknown | Impact on Special Status Fish or Wildlife Resource? | No      |
|                      |         | Active Drinking Water Supply?                       | Unknown |

##### Descriptions:

|                                           |               |
|-------------------------------------------|---------------|
| Surface Water:                            | None provided |
| Groundwater:                              | None provided |
| Drinking Water:                           | None provided |
| Fish or Wildlife Mortality:               | None provided |
| Special Status Fish or Wildlife Resource: | None provided |
| Building:                                 | None provided |

#### THREAT TO THE ENVIRONMENT OR PUBLIC HEALTH

Threat to the Environment or the Public Health: None

##### Threat Posed by Disposed Hazardous Substance:

The drums in storage have been reconditioned by another company before being brought on site.

#### HAZARDOUS SUBSTANCES DISPOSED:

VOCs: No      Semi-VOCs: No      PCBs: No      Pesticides: No      Metals: No      Asbestos: No

##### Hazardous Substances Disposed:

There is no history of hazardous wastes on site.

SELECTED ANALYTICAL INFORMATION:

Samples Collected:  
None

|                  |               |
|------------------|---------------|
| Air:             | None provided |
| Surface Water:   | None provided |
| Surface Soil:    | None provided |
| Waste:           | None provided |
| EPToxicity:      | None provided |
| Groundwater:     | None provided |
| Sediment:        | None provided |
| Subsurface Soil: | None provided |
| Leachate:        | None provided |
| TCLP:            | None provided |

AGENCY INFORMATION:

Regulatory Agencies Involved:  
NYSDEC NYSDOH

Preparer:  
Julie Welch NYSDEC, Intern, RPI Env.Eng.Tech. 1 February 14, 1994



***NO TOXIC AIR, LAND AND WATER RELEASES IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS***



***NO WASTEWATER DISCHARGES IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS***



### AIR DISCHARGE FACILITIES IDENTIFIED WITHIN THE 1/8 MILE SEARCH RADIUS

PLEASE NOTE: \* Compass directions can vary substantially for sites located very close to the subject property address.

#### Map Identification Number 307



**ALPHA-EMPIRON BUILDING CORP**  
240 NORTH 10TH STREET

**Facility Id: 36047N0003**  
BROOKLYN, NY 11211

**State-county CDS Id: 36047N0003**  
State-county NED id:  
TT-ID: 900A-0002-767

#### MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)  
Approximate distance from property: 0 feet

#### ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

CDS-ID: N0003 NED-ID: None Given  
Plant Phone #1: None Given Plant Phone #2: None Given  
Operating Status: OPERATING  
EPA Classification:  
State Classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR  
EPA Plant Compliance Status:  
State Plant Compliance Status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS

EPA-ID: None Given FINDS-ID: None Given

#### AIR PROGRAM INFORMATION

Regulatory Air Program: SIP SOURCE

Program Status: OPERATING

#### POLLUTANT INFORMATION

Pollutant: VOLATILE ORGANIC COMPOUNDS  
State Pollutant Compliance for this pollutant: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS

#### Map Identification Number 308



**PURITAN LIGHTING**  
246 NORTH 8TH ST

**Facility Id: 3604700831**  
BROOKLYN, NY 11232

**State-county CDS Id: 3604700831**  
State-county NED id:  
TT-ID: 900A-0002-766

EPA (FINDS) Name: PURITAN LIGHTING  
EPA (FINDS) Address: 246 NORTH 8TH ST

BROOKLYN 11232

#### MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)  
Approximate distance from property: 491 feet to the SW

#### ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

CDS-ID: 00831 NED-ID: None Given  
 Plant Phone #1: None Given Plant Phone #2: None Given  
 Operating Status: OPERATING  
 EPA Classification:  
 State Classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR  
 EPA Plant Compliance Status:  
 State Plant Compliance Status: IN COMPLIANCE - INSPECTION

EPA-ID: NY0001498773 FINDS-ID: NY0001498773

**AIR PROGRAM INFORMATION**

Regulatory Air Program: SIP SOURCE

Program Status: OPERATING

**POLLUTANT INFORMATION**

Pollutant: TOTAL PARTICULATE MATTER  
 State Pollutant Compliance for this pollutant: IN COMPLIANCE - INSPECTION  
 Pollutant: VOLATILE ORGANIC COMPOUNDS  
 State Pollutant Compliance for this pollutant: IN COMPLIANCE - INSPECTION

**Map Identification Number 309**



**UNION SCRAP METALS**  
 526 UNION AVENUE

**Facility Id: 3604701028**  
 BROOKLYN, NY 11211

**State-county CDS Id: 3604701028**  
 State-county NED id:  
 TT-ID: 900A-0001-771

**MAP LOCATION INFORMATION**

Site location mapped by: MANUAL MAPPING (3)  
 Approximate distance from property: 553 feet to the SE

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE  
 Revised zip code: NO CHANGE

CDS-ID: 01028 NED-ID: None Given  
 Plant Phone #1: (718)387-5438 Plant Phone #2: None Given  
 Operating Status: OPERATING  
 EPA Classification:  
 State Classification: CLASS IS UNKNOWN  
 EPA Plant Compliance Status:  
 State Plant Compliance Status: NO APPLICABLE STATE REGULATION

EPA-ID: None Given FINDS-ID: None Given

**AIR PROGRAM INFORMATION**

Regulatory Air Program: CFC TRACKING

Program Status: OPERATING

**POLLUTANT INFORMATION**

Pollutant: CHLOROFLUOROCARBONS  
 State Pollutant Compliance for this pollutant: NO APPLICABLE STATE REGULATION

**Map Identification Number 310**     **PURTAIN LIGHTING FIXTURE COMPA**  
255 N 7TH ST



BROOKLYN, NY 11211

**FINDS Id: NYD063866545**  
State-county CDS id: 3604702083  
TT-ID: 900A-0002-769

**MAP LOCATION INFORMATION**

Site location mapped by: MANUAL MAPPING (3)  
Approximate distance from property: 604 feet to the SSW

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

This site was identified in the EPA FINDS database. No air pollutant information given here.

**Map Identification Number 311**     **GLOBE LAMINATING**  
203-209 NRTH 11TH ST  
EPA (FINDS) Name: GLOBE LAMINATING  
EPA (FINDS) Address: 203-209 NRTH 11TH ST



**Facility Id: 3604700205**

BROOKLYN, NY 11211

**State-county CDS Id: 3604700205**  
State-county NED id:  
TT-ID: 900A-0002-455

BROOKLYN 11211

**MAP LOCATION INFORMATION**

Site location mapped by: MANUAL MAPPING (3)  
Approximate distance from property: 607 feet to the N

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE  
Revised zip code: NO CHANGE

CDS-ID: 00205                      NED-ID: None Given  
Plant Phone #1: None Given        Plant Phone #2: None Given  
Operating Status: PERMANENTLY CLOSED  
EPA Classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR  
State Classification: ACT OR POTENTIAL CONTROLLED EMISSIONS >100 TONS/YR AS PER ALABAMA POWER DECISION  
EPA Plant Compliance Status:  
State Plant Compliance Status: IN COMPLIANCE - SHUT DOWN

EPA-ID: NYD986871085

FINDS-ID: NYD986871085

**AIR PROGRAM INFORMATION**

Regulatory Air Program: SIP SOURCE

Program Status: PERMANENTLY CLOSED

**POLLUTANT INFORMATION**

Pollutant: CARBON MONOXIDE  
State Pollutant Compliance for this pollutant: IN COMPLIANCE - SHUT DOWN  
Pollutant: TOTAL PARTICULATE MATTER  
State Pollutant Compliance for this pollutant: IN COMPLIANCE - SHUT DOWN  
Pollutant: VOLATILE ORGANIC COMPOUNDS  
State Pollutant Compliance for this pollutant: IN COMPLIANCE - SHUT DOWN



***NO CIVIL & ADMINISTRATIVE ENFORCEMENT DOCKET FACILITIES IDENTIFIED WITHIN THE 1/8 MILE SEARCH RADIUS***



**NYC ENVIRONMENTAL QUALITY REVIEW REQUIREMENTS - "E" DESIGNATION SITES IDENTIFIED WITHIN 250 FT SEARCH RADIUS**

PLEASE NOTE: \* Compass directions can vary substantially for sites located very close to the subject property address.

**Map Identification Number 312**      **BLOCK: 2307 LOT: 1**  
 236 NORTH 10 STREET

**TT-Id: 820A-0001-306**

MAP LOCATION INFORMATION  
 Site location mapped by: PARCEL MAPPING (3)  
 Approximate distance from property: 0 feet

ADDRESS CHANGE INFORMATION  
 Revised street: No Change  
 Revised zip code: No Change

| BBL #        | E No. | CEQR No.  | ULURP No.                                                                                                          | NYC Zoning Maps | Effective Date | Lot Remediation Date | Description                                         |
|--------------|-------|-----------|--------------------------------------------------------------------------------------------------------------------|-----------------|----------------|----------------------|-----------------------------------------------------|
| 3-02307-0001 | E-138 | 04DCP003K | 050110 ZRK<br>050111 ZMK<br>050415 MMK<br>040416 MMK<br>040417 MMK<br>040418 MMK<br>050110 (A)ZRK<br>050111 (A)ZMK | 12c 12d 13a 13b | 05/11/2005     |                      | Underground Gasoline Storage Tanks Testing Protocol |

**Map Identification Number 313**      **BLOCK: 2307 LOT: 33**  
 243 NORTH 9 STREET

**TT-Id: 820A-0001-313**

MAP LOCATION INFORMATION  
 Site location mapped by: PARCEL MAPPING (3)  
 Approximate distance from property: 86 feet to the SW\*

ADDRESS CHANGE INFORMATION  
 Revised street: No Change  
 Revised zip code: No Change

| BBL #        | E No. | CEQR No.  | ULURP No.                                                                                                          | NYC Zoning Maps | Effective Date | Lot Remediation Date | Description                                         |
|--------------|-------|-----------|--------------------------------------------------------------------------------------------------------------------|-----------------|----------------|----------------------|-----------------------------------------------------|
| 3-02307-0033 | E-138 | 04DCP003K | 050110 ZRK<br>050111 ZMK<br>050415 MMK<br>040416 MMK<br>040417 MMK<br>040418 MMK<br>050110 (A)ZRK<br>050111 (A)ZMK | 12c 12d 13a 13b | 05/11/2005     |                      | Underground Gasoline Storage Tanks Testing Protocol |

**Map Identification Number 314** **BLOCK: 2307 LOT: 36**  
 241 NORTH 9 STREET

**TT-Id: 820A-0001-314**

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (3)  
 Approximate distance from property: 99 feet to the WSW\*

ADDRESS CHANGE INFORMATION

Revised street: No Change  
 Revised zip code: No Change

| BBL #        | E No. | CEQR No.  | ULURP No.                                                                                                          | NYC Zoning Maps | Effective Date | Lot Remediation Date | Description                                         |
|--------------|-------|-----------|--------------------------------------------------------------------------------------------------------------------|-----------------|----------------|----------------------|-----------------------------------------------------|
| 3-02307-0036 | E-138 | 04DCP003K | 050110 ZRK<br>050111 ZMK<br>050415 MMK<br>040416 MMK<br>040417 MMK<br>040418 MMK<br>050110 (A)ZRK<br>050111 (A)ZMK | 12c 12d 13a 13b | 05/11/2005     |                      | Underground Gasoline Storage Tanks Testing Protocol |

**Map Identification Number 315** **BLOCK: 2307 LOT: 31**  
 249 NORTH 9 STREET

**TT-Id: 820A-0001-312**

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (3)  
 Approximate distance from property: 105 feet to the S\*

ADDRESS CHANGE INFORMATION

Revised street: No Change  
 Revised zip code: No Change

| BBL #        | E No. | CEQR No.  | ULURP No.                                                                                                          | NYC Zoning Maps | Effective Date | Lot Remediation Date | Description                                         |
|--------------|-------|-----------|--------------------------------------------------------------------------------------------------------------------|-----------------|----------------|----------------------|-----------------------------------------------------|
| 3-02307-0031 | E-138 | 04DCP003K | 050110 ZRK<br>050111 ZMK<br>050415 MMK<br>040416 MMK<br>040417 MMK<br>040418 MMK<br>050110 (A)ZRK<br>050111 (A)ZMK | 12c 12d 13a 13b | 05/11/2005     |                      | Underground Gasoline Storage Tanks Testing Protocol |

**Map Identification Number 316** **BLOCK: 2307 LOT: 38**  
 237 NORTH 9 STREET

**TT-Id: 820A-0001-315**

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (3)

Approximate distance from property: 128 feet to the W\*

ADDRESS CHANGE INFORMATION

Revised street: No Change

Revised zip code: No Change

| BBL #        | E No. | CEQR No.  | ULURP No.                                                                                                          | NYC Zoning Maps | Effective Date | Lot Remediation Date | Description                                         |
|--------------|-------|-----------|--------------------------------------------------------------------------------------------------------------------|-----------------|----------------|----------------------|-----------------------------------------------------|
| 3-02307-0038 | E-138 | 04DCP003K | 050110 ZRK<br>050111 ZMK<br>050415 MMK<br>040416 MMK<br>040417 MMK<br>040418 MMK<br>050110 (A)ZRK<br>050111 (A)ZMK | 12c 12d 13a 13b | 05/11/2005     |                      | Underground Gasoline Storage Tanks Testing Protocol |

**Map Identification Number 317** **BLOCK: 2307 LOT: 27**  
 261 NORTH 9 STREET

**TT-Id: 820A-0001-311**

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (3)

Approximate distance from property: 161 feet to the SSE\*

ADDRESS CHANGE INFORMATION

Revised street: No Change

Revised zip code: No Change

| BBL #        | E No. | CEQR No.  | ULURP No.                                                                                                          | NYC Zoning Maps | Effective Date | Lot Remediation Date | Description                                         |
|--------------|-------|-----------|--------------------------------------------------------------------------------------------------------------------|-----------------|----------------|----------------------|-----------------------------------------------------|
| 3-02307-0027 | E-138 | 04DCP003K | 050110 ZRK<br>050111 ZMK<br>050415 MMK<br>040416 MMK<br>040417 MMK<br>040418 MMK<br>050110 (A)ZRK<br>050111 (A)ZMK | 12c 12d 13a 13b | 05/11/2005     |                      | Underground Gasoline Storage Tanks Testing Protocol |

**Map Identification Number 318** **BLOCK: 2300 LOT: 26**  
 235 NORTH 10 STREET

**TT-Id: 820A-0001-282**

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (3)

Approximate distance from property: 172 feet to the NNE\*

ADDRESS CHANGE INFORMATION

Revised street: No Change

Revised zip code: No Change

| BBL #        | E No. | CEQR No.  | ULURP No.                                                                                                          | NYC Zoning Maps | Effective Date | Lot Remediation Date | Description                                         |
|--------------|-------|-----------|--------------------------------------------------------------------------------------------------------------------|-----------------|----------------|----------------------|-----------------------------------------------------|
| 3-02300-0026 | E-138 | 04DCP003K | 050110 ZRK<br>050111 ZMK<br>050415 MMK<br>040416 MMK<br>040417 MMK<br>040418 MMK<br>050110 (A)ZRK<br>050111 (A)ZMK | 12c 12d 13a 13b | 05/11/2005     |                      | Underground Gasoline Storage Tanks Testing Protocol |

**Map Identification Number 319** **BLOCK: 2307 LOT: 14**  
 258 NORTH 10 STREET

**TT-Id: 820A-0001-307**

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (3)

Approximate distance from property: 175 feet to the SE\*

ADDRESS CHANGE INFORMATION

Revised street: No Change

Revised zip code: No Change

| BBL #        | E No. | CEQR No.  | ULURP No.                                                                                                          | NYC Zoning Maps | Effective Date | Lot Remediation Date | Description                                         |
|--------------|-------|-----------|--------------------------------------------------------------------------------------------------------------------|-----------------|----------------|----------------------|-----------------------------------------------------|
| 3-02307-0014 | E-138 | 04DCP003K | 050110 ZRK<br>050111 ZMK<br>050415 MMK<br>040416 MMK<br>040417 MMK<br>040418 MMK<br>050110 (A)ZRK<br>050111 (A)ZMK | 12c 12d 13a 13b | 05/11/2005     |                      | Underground Gasoline Storage Tanks Testing Protocol |

**Map Identification Number 320** **BLOCK: 2300 LOT: 20**  
 249 NORTH 10 STREET

**TT-Id: 820A-0001-281**

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (3)  
 Approximate distance from property: 186 feet to the ENE\*

ADDRESS CHANGE INFORMATION

Revised street: No Change  
 Revised zip code: No Change

| BBL #        | E No. | CEQR No.  | ULURP No.                                                                                                          | NYC Zoning Maps | Effective Date | Lot Remediation Date | Description                                         |
|--------------|-------|-----------|--------------------------------------------------------------------------------------------------------------------|-----------------|----------------|----------------------|-----------------------------------------------------|
| 3-02300-0020 | E-138 | 04DCP003K | 050110 ZRK<br>050111 ZMK<br>050415 MMK<br>040416 MMK<br>040417 MMK<br>040418 MMK<br>050110 (A)ZRK<br>050111 (A)ZMK | 12c 12d 13a 13b | 05/11/2005     |                      | Underground Gasoline Storage Tanks Testing Protocol |

**Map Identification Number 321** **BLOCK: 2307 LOT: 16**  
 264 NORTH 10 STREET

**TT-Id: 820A-0001-308**

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (3)  
 Approximate distance from property: 215 feet to the SE

ADDRESS CHANGE INFORMATION

Revised street: No Change  
 Revised zip code: No Change

| BBL #        | E No. | CEQR No.  | ULURP No.                                                                                                          | NYC Zoning Maps | Effective Date | Lot Remediation Date | Description                                         |
|--------------|-------|-----------|--------------------------------------------------------------------------------------------------------------------|-----------------|----------------|----------------------|-----------------------------------------------------|
| 3-02307-0016 | E-138 | 04DCP003K | 050110 ZRK<br>050111 ZMK<br>050415 MMK<br>040416 MMK<br>040417 MMK<br>040418 MMK<br>050110 (A)ZRK<br>050111 (A)ZMK | 12c 12d 13a 13b | 05/11/2005     |                      | Underground Gasoline Storage Tanks Testing Protocol |

**Map Identification Number 322** **BLOCK: 2300 LOT: 1**  
 15 ROEBLING STREET

**TT-Id: 820A-0001-279**

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (3)  
 Approximate distance from property: 219 feet to the N

ADDRESS CHANGE INFORMATION

Revised street: No Change  
 Revised zip code: No Change

| BBL #        | E No. | CEQR No.  | ULURP No.                                                                                                          | NYC Zoning Maps | Effective Date | Lot Remediation Date | Description                                         |
|--------------|-------|-----------|--------------------------------------------------------------------------------------------------------------------|-----------------|----------------|----------------------|-----------------------------------------------------|
| 3-02300-0001 | E-138 | 04DCP003K | 050110 ZRK<br>050111 ZMK<br>050415 MMK<br>040416 MMK<br>040417 MMK<br>040418 MMK<br>050110 (A)ZRK<br>050111 (A)ZMK | 12c 12d 13a 13b | 05/11/2005     |                      | Underground Gasoline Storage Tanks Testing Protocol |

**Map Identification Number 323** **BLOCK: 2307 LOT: 25**  
 267 NORTH 9 STREET

**TT-Id: 820A-0001-310**

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (3)  
 Approximate distance from property: 223 feet to the SSE

ADDRESS CHANGE INFORMATION

Revised street: No Change  
 Revised zip code: No Change

| BBL #        | E No. | CEQR No.  | ULURP No.                                                                                                          | NYC Zoning Maps | Effective Date | Lot Remediation Date | Description                                         |
|--------------|-------|-----------|--------------------------------------------------------------------------------------------------------------------|-----------------|----------------|----------------------|-----------------------------------------------------|
| 3-02307-0025 | E-138 | 04DCP003K | 050110 ZRK<br>050111 ZMK<br>050415 MMK<br>040416 MMK<br>040417 MMK<br>040418 MMK<br>050110 (A)ZRK<br>050111 (A)ZMK | 12c 12d 13a 13b | 05/11/2005     |                      | Underground Gasoline Storage Tanks Testing Protocol |

U.S. EPA EMERGENCY RESPONSE NOTIFICATION SYSTEM (ERNS) SPILLS  
AT THE LOCATION OR POTENTIALLY AT THE LOCATION OF  
250 North 10th Street  
Brooklyn, NY 11211

\* Any ERNS Spills listed below are NOT mapped in this report \*

ONSITE ERNS (A count of these spills can be found in the distance interval table):  
THIS SITE IS NOT FOUND IN THE ERNS DATABASE

POTENTIALLY ONSITE ERNS:  
THIS SITE IS NOT FOUND IN THE ERNS DATABASE

Unmappable facilities for 'Kings' County

NPL/CERCLIS/NYSDEC Inactive Haz. Waste or Reg. Qual. Sites

| FACILITY ID  | FACILITY NAME                            | STREET                    | CITY     | ZIP     |
|--------------|------------------------------------------|---------------------------|----------|---------|
| NYD980531628 | WILLIAM HARVEY CORP                      | UNKNOWN                   | BROOKLYN | UNKNOWN |
| NYD980532014 | BKLYN UNION GAS /GREENPOINT ENERGY FACIL | 287 MASPETH AVE           | BROOKLYN | UNKNOWN |
| NYD980532030 | BKLYN UNION GAS /WILLIAMSBURGH WORKS     | KENT AVE N 12TH ST /E RIV | BROOKLYN | 11211   |
| NYD980532220 | BKLYN UNION GAS /MASPETH GATE STA        | 285 MASPETH AVE           | BROOKLYN | UNKNOWN |

Brownfields Sites

| FACILITY ID | FACILITY NAME          | STREET                         | CITY     | ZIP   |
|-------------|------------------------|--------------------------------|----------|-------|
| C224055     | K - WILLIAMSBURG WORKS | KENT AVE & 12TH STREET         | BROOKLYN | 11211 |
| V00064      | KENT TERMINAL          | KENT AVE. BETWEEN 5TH-11TH ST. | BROOKLYN | 11211 |

Solid Waste Facilities

| FACILITY ID | FACILITY NAME             | STREET | CITY | ZIP     |
|-------------|---------------------------|--------|------|---------|
| 24D05       | EMPIRE MILL DEMO          |        |      | UNKNOWN |
| 24D07       | RED HOOK CONTAINER DEMO   |        |      | UNKNOWN |
| 24M01       | ASHMONT METALS RES.REC.   |        |      | UNKNOWN |
| 24T55       | CARDELLA TRUCKING         |        |      | UNKNOWN |
| 24T75       | ROBERT BOLOGNA WCTB INC.  |        |      | UNKNOWN |
| 24TA8       | U.S. COAST LINE, INC.     |        |      | UNKNOWN |
| 24TB3       | J. WISE EXCAVATING        |        |      | UNKNOWN |
| 24Y81       | NYCDPR YARD WASTE COMPOST |        |      | UNKNOWN |

Hazardous Spills - UNKNOWN CAUSE OR OTHER CAUSES - Active

| FACILITY ID | FACILITY NAME      | STREET     | CITY     | ZIP     |
|-------------|--------------------|------------|----------|---------|
| 1103190     | WELL ON A SIDEWALK | WITHERS ST | BROOKLYN | UNKNOWN |

Hazardous Spills - MISC. SPILL CAUSES - Active

| FACILITY ID | FACILITY NAME                       | STREET                    | CITY     | ZIP     |
|-------------|-------------------------------------|---------------------------|----------|---------|
| 9113333     | MCGUINNESS BVD/LEONARD ST           | MCGUINNESS BVD/LEONARD ST | BROOKLYN | UNKNOWN |
| 8810168     | 11TH ST CONDUIT                     | 11TH ST CONDUIT           | BROOKLYN | UNKNOWN |
| 1005877     | UNDERGROUND TRANSFORMER VAULT #2705 | 49-59 DEBEVOISE PLACE     | BROOKLYN | UNKNOWN |
| 0308367     | AGUANA SUBSTATION                   | 104-27 STREET             | BROOKLYN | UNKNOWN |

Hazardous Spills - TANK FAILURES - Closed

| FACILITY ID | FACILITY NAME             | STREET                | CITY     | ZIP     |
|-------------|---------------------------|-----------------------|----------|---------|
| 8607075     |                           |                       |          | UNKNOWN |
| 9510983     | 1848 STEWART ST           | 1848 STEWART ST       | BROOKLYN | UNKNOWN |
| 9313502     | 1782 GLEASON AVE          | 1782 GLEASON AVE      | BROOKLYN | UNKNOWN |
| 9209000     | 1621 EAST KENT STREET     | 1621 EAST KENT STREET | BROOKLYN | UNKNOWN |
| 9109440     | HOBBY SHOP GARAGE/US NAVY | HOBBY SHOP GARAGE     | BROOKLYN | UNKNOWN |

Hazardous Spills - TANK TEST FAILURES - Closed

| FACILITY ID | FACILITY NAME             | STREET              | CITY     | ZIP     |
|-------------|---------------------------|---------------------|----------|---------|
| 0605577     | MERIDIAN PROPERTIES       | 101 LINCOLN BLVD    | BROOKLYN | UNKNOWN |
| 8806571     | CLOSED-LACKOF RECENT INFO | ADMINISTRATION BLDG | NYC      | UNKNOWN |

Hazardous Spills - UNKNOWN CAUSE OR OTHER CAUSES - Closed

| FACILITY ID | FACILITY NAME           | STREET               | CITY                   | ZIP     |
|-------------|-------------------------|----------------------|------------------------|---------|
| 9213773     |                         |                      |                        | UNKNOWN |
| 8603146     |                         |                      |                        | UNKNOWN |
| 0209904     | VARIOUS DEP -BWSO SITES | MISC.                | BRONX/QUEENS/MANHATTAN | UNKNOWN |
| 9912359     | BOX 20341               | 715 PAHALEY ST       | BROOKLYN               | UNKNOWN |
| 9909853     | MANHOLE 4932            | UNION AV             | BROOKLYN               | UNKNOWN |
| 9908069     | MANHOLE #4835           | 9TH ST & ROEBLING ST | BROOKLYN               | 11211   |

|         |                                           |                                          |             |         |
|---------|-------------------------------------------|------------------------------------------|-------------|---------|
| 9907077 | MANHOLE 58390                             | NECKLYN LAND AVE                         | BROOKLYN    | UNKNOWN |
| 9901648 | MANHOLE 15165                             | MANHATTEN AVENUE                         | BROOKLYN    | UNKNOWN |
| 9901523 | BROWNING FERRIS INDUSTRIE                 | 115 CANGNEF STREET ?                     | BROOKLYN    | UNKNOWN |
| 9900252 | MANHOLE #43243                            | WEST SIDE UNION AVE                      | BROOKLYN    | UNKNOWN |
| 9815288 | MANHOLE 14244                             | 29-39 HAYWOOD ST                         | BROOKLYN    | UNKNOWN |
| 9813982 | SERVICE BOX 49009                         | SERVICE BOX 49009                        | BROOKLYN    | UNKNOWN |
| 9812720 |                                           | 2929 BAINBRIDGE AVE                      | BROOKLYN    | UNKNOWN |
| 9810573 |                                           | MARINE COMPANY 6                         | BROOKLYN    | UNKNOWN |
| 9801951 | 432 DRAKES AVE CORP                       | 432 DRAKES AVE                           | BROOKLYN    | UNKNOWN |
| 9709098 | MEEKER AVE                                | MEEKER AVE                               | BROOKLYN    | UNKNOWN |
| 9606601 | KENT TERMINAL CORP                        | KENT AVE                                 | BROOKLYN    | UNKNOWN |
| 9505087 | GREENPOINT                                | NEWTOWN & MEEKER/ROADWAY                 | BROOKLYN    | 11222   |
| 9503484 | BQE - SOUTH LIE BRIDGE                    | BROOKLYN QUEENS EXPRESSWAY - SOUTH LIE B | BROOKLYN    | UNKNOWN |
| 9412310 | 217 HYLAND ST                             | 217 HYLAND ST                            | BROOKLYN    | UNKNOWN |
| 9312482 | NAVESINK RIVER CHANNEL #7                 | NAVESINK RIVER CHANNEL #7                | BROOKLYN    | UNKNOWN |
| 9306596 | BET.N. 13TH TO N. 6TH                     | BET.N. 13TH TO N. 6TH                    | BROOKLYN    | 11211   |
| 9306347 | WHITE AVE - BLDG 114                      | WHITE AVE - BLDG 114                     | BROOKLYN    | UNKNOWN |
| 9305573 | VARIOUS LOTS IN BROOKLYN                  | VARIOUS LOTS IN BROOKLYN                 | BROOKLYN    | UNKNOWN |
| 9214290 | 1200 NECK ROAD                            | 1200 NECK ROAD                           | BROOKLYN    | UNKNOWN |
| 9210843 | UNK                                       | UNKNOWN                                  | BROOKLYN    | UNKNOWN |
| 9004558 | GUID AVE BRIDGE/BKLYN                     | GUID AVE BRIDGE                          | BROOKLYN    | UNKNOWN |
| 8906523 | MCGUINNSS BLVD/BKLYN                      | MCGUINNESS BLVD                          | BROOKLYN    | 11222   |
| 8901311 | METROPOLITAN AV STOP/BKLY                 | METROPOLITAN AVE STOP                    | BROOKLYN    | UNKNOWN |
| 8704318 |                                           |                                          | BROOKLYN    | UNKNOWN |
| 8504687 | BROOKLYN                                  | BROOKLYN                                 | BROOKLYN    | UNKNOWN |
| 8503785 | BROOKLYN                                  | BROOKLYN                                 | BROOKLYN    | UNKNOWN |
| 8503558 | BROOKLYN                                  | BROOKLYN                                 | BROOKLYN    | UNKNOWN |
| 8503309 | SUNOCO BROOKLYN                           | BROOKLYN                                 | BROOKLYN    | UNKNOWN |
| 8503172 | BROOKLYN, KINGS                           | BROOKLYN, KINGS                          | BROOKLYN    | UNKNOWN |
| 8502862 | GAS COMPANY                               | GAS COMPANY                              | BROOKLYN    | UNKNOWN |
| 8100041 | SUBWAY-NYC                                | SUBWAY-NYC                               | BROOKLYN    | UNKNOWN |
| 7900928 |                                           |                                          | BROOKLYN    | UNKNOWN |
| 7800995 | UNKNOWN                                   | MEEKER AVENUE                            | BROOKLYN    | UNKNOWN |
| 1103986 | ON WATER                                  | OFF GARRISON BEACH                       | BROOKLYN    | UNKNOWN |
| 1009004 | 220460; 78 JOHNSON DR                     | 78 JOHNSON DR                            | BROOKLYN    | UNKNOWN |
| 0905038 | MANHOLE 796 EMIS 217771                   | NASSAU ST AND KENT AVE                   | BROOKLYN    | UNKNOWN |
| 0813358 | APARTMENTS                                | 9TH ST                                   | BROOKLYN    | UNKNOWN |
| 0805122 | MANHOLE 72                                | ROEBLING STREET                          | BROOKLYN    | UNKNOWN |
| 0803914 | LAFARGE CEMENT CO                         | UNKNOWN                                  | BROOKLYN    | UNKNOWN |
| 0710326 | MANHOLE 62650 HAS EARTHEN SUMP            | WYTHE AVENUE & 10 STREET                 | BROOKLYN    | 11211   |
| 0613238 | CONSTRUCTION SITE                         | ROEBLING STREET                          | BROOKLYN    | 11211   |
| 0604221 | BQE                                       | EXIT 31 WEST BOUND                       | BROOKLYN    | 11211   |
| 0601971 | WILLIAMSBURG BRIDGE                       | MARCY AVE                                | BROOKLYN    | 11211   |
| 0504934 | MANHOLE #15                               | 8 ST AT KENT AVE                         | BROOKLYN    | 11211   |
| 0410369 | RESIDENCE                                 | 57 BRAND STREET                          | BROOKLYN    | UNKNOWN |
| 0405797 | VAULT #VS-7930                            | 3411 JUIEER AVE                          | BROOKLYN    | UNKNOWN |
| 0405795 | MANHOLE #12085                            | SW CORNER BEERY ST                       | BROOKLYN    | UNKNOWN |
| 0405023 | VAULT # 3182                              | DEBEVOIST PLACE/LAFAYETTE                | BROOKLYN    | UNKNOWN |
| 0313862 | MAN HOLE #70603                           | MANHATTAN AVE & MESEROLE                 | BROOKLYN    | UNKNOWN |
| 0312773 | SUBWAY SYSTEM-A LINE                      | TRACK A-3- COLUMN 792                    | BROOKLYN    | UNKNOWN |
| 0310941 | MANHOLE 32221 FRONT OF                    | 298 HAWKSIDE AVE                         | BROOKLYN    | UNKNOWN |
| 0211077 | ALL OVER BROOKLYN                         | ALL OVER BROOKLYN                        | BROOKLYN    | UNKNOWN |
| 0210905 | TM 70                                     | METROPOLITAN AVE                         | BROOKLYN    | 11211   |
| 0204122 | MANHOLE #00019 S/O 5TH &                  | N/W CORNER WYTHE AV                      | BROOKLYN    | 11211   |
| 0106512 | MANHOLE 64801                             | BROOKLYN QUEENS EXPRESSWAY               | BROOKLYN    | UNKNOWN |
| 0002339 | MANHOLE 59642                             | BEDFORD AVE & EAST STREET                | BROOKLYN    | UNKNOWN |
| 0313895 |                                           | BARRICK ST S OF HARRISON                 | GREEN POINT | UNKNOWN |
| 9904431 |                                           | FLUSHING/QUARTER AVE                     | MANHATTAN   | UNKNOWN |
| 0913993 | 215348; BEDFORD AVENUE AND E 120TH STREET | BEDFORD AVENUE AND E 120TH STREET        | NEW YORK    | UNKNOWN |
| 0814568 | 214383; BERRY ST AND 9TH ST               | BERRY ST AND 9TH ST                      | NEW YORK    | 11211   |

|         |                         |                         |               |         |
|---------|-------------------------|-------------------------|---------------|---------|
| 0814253 | 212280; MCGUINESS BLVD. | MCGUINESS BLVD.         | NEW YORK      | 11222   |
| 9103671 | 145 UNEDON ROAD/BKLYN   | 145 UNEDON ROAD         | NEW YORK CITY | UNKNOWN |
| 8900096 | MANHATTAN AVE/BROOKLYN  | MANHATTAN AVENUE        | NEW YORK CITY | 11222   |
| 8805083 | 1 DECIMAL ST/GREENPOINT | 1 DECIMAL ST/GREENPOINT | NEW YORK CITY | 11222   |
| 9206476 | UNKNOWN                 | UNKNOWN                 | UNKNOWN       | UNKNOWN |
| 8504666 | UNK                     | UNKNOWN                 | UNKNOWN       | UNKNOWN |

Hazardous Spills - MISC. SPILL CAUSES - Closed

| FACILITY ID | FACILITY NAME                      | STREET                     | CITY     | ZIP     |
|-------------|------------------------------------|----------------------------|----------|---------|
| 9416745     | GREENPOINT BROOKLYN                | AMOCO TERMINAL TO STAGG    |          | UNKNOWN |
| 9404620     | BROOKLYN EXPWY                     | UNDER B'KLYN EXPWY         | BRONX    | UNKNOWN |
| 1006871     | COMMERCE PUMP STATION              | COMMERCE RD                | BRONX    | UNKNOWN |
| 0912126     | FRIEDMAN RESIDENCE                 | 252 CALHOUN AVE            | BRONX    | 11211   |
| 0907706     | ROADWAY                            | 47-47 METRO. AVE           | BROOKLYN | UNKNOWN |
| 9914811     | POLE #18923                        | MANOR RD/HOLLYWOOD AVE     | BROOKLYN | UNKNOWN |
| 9907586     | VAULT 2488                         | 45 DEBEVOISE PLACE         | BROOKLYN | UNKNOWN |
| 9813336     | BUS #1037                          | ELI AV & EDISON AV         | BROOKLYN | UNKNOWN |
| 9812232     | MANHOLE #4816                      | SOUTH ST/KENT AV           | BROOKLYN | UNKNOWN |
| 9804544     | BAYSIDE DEPOT                      | 1 NORTH 12TH STREET        | BROOKLYN | 11211   |
| 9800402     | IFO 240 WHITE AVE                  | IFO 240 WHITE AVE          | BROOKLYN | 11206   |
| 9710120     | NEWTON CREEK REG #B7               | METROPOLITAN AV            | BROOKLYN | UNKNOWN |
| 9602674     | CROSS HARBOR                       | BOX 182                    | BROOKLYN | UNKNOWN |
| 9601333     | FEEDER 702                         | SECTION 1,4 AND 5          | BROOKLYN | UNKNOWN |
| 9601332     | FEEDER 701 SEC 1,4 AND 5           | HUDSON AVE TO MH-55913     | BROOKLYN | UNKNOWN |
| 9510467     | DRIVER SERVICES CO                 | 172 CARSON AVE             | BROOKLYN | UNKNOWN |
| 9508762     | PERGAMENT STORES                   | 57 65TH AVE                | BROOKLYN | UNKNOWN |
| 9505873     | METROPOLITAN AVENUE                | METROPOLITAN AVENUE        | BROOKLYN | 11211   |
| 9505269     | N. ELEANOR PL/WILLIAMSBURG         | MANHOLE #55915/ELEANOR PL  | BROOKLYN | UNKNOWN |
| 9409670     | 531 144TH STREET                   | 531 144TH STREET           | BROOKLYN | UNKNOWN |
| 9314723     | SOUTH 2ND ST.                      | SOUTH 2ND ST.              | BROOKLYN | 11211   |
| 9312969     | SOUTH 2ND STREET                   | SOUTH 2ND STREET           | BROOKLYN | 11211   |
| 9308950     | JAMAICA REGULATOR #3               | JAMAICA REGULATOR #3       | BROOKLYN | UNKNOWN |
| 9307209     | HILLARY STREET                     | HILLARY STREET             | BROOKLYN | UNKNOWN |
| 9304944     | 1604 LOTS 28 & 37-44 PLUS          | 1604 LOTS 28 & 37-44 PLUS  | BROOKLYN | UNKNOWN |
| 9213983     | 1149 SLAVEY AVENUE                 | 1149 SLAVEY AVENUE         | BROOKLYN | UNKNOWN |
| 9211325     | N3 AND N4TH STREET                 | N3 AND N 4TH STREET        | BROOKLYN | 11211   |
| 9210698     | 2110 BOLTON STREET                 | 2110 BOLTON STREET         | BROOKLYN | UNKNOWN |
| 9207289     | LYNROCK NURSING HOME               | LYNROCK NURSING HOME       | BROOKLYN | UNKNOWN |
| 9205306     | 909 AVE G                          | 909 AVE G                  | BROOKLYN | UNKNOWN |
| 9203867     | 280 ELDRIDGE ST                    | 280 ELDRIDGE ST            | BROOKLYN | UNKNOWN |
| 9201806     | CON EDISON/NORTH 1ST ST            | CON EDISON/NORTH 1ST ST    | BROOKLYN | 11211   |
| 9201537     | 241 N MAIN ST/TOP SHELF            | 241 N MAIN ST/TOP SHELF    | BROOKLYN | UNKNOWN |
| 9112232     | DOMINO SUGAR/S 2ND ST              | DOMINO SUGAR/S 2ND ST      | BROOKLYN | 11211   |
| 9109020     | RAMP TO I278                       | RAMP TO I278               | BROOKLYN | UNKNOWN |
| 8607666     | CHEVRON STATION / BROOKLY          | CHEVRON/DRUM               | BROOKLYN | UNKNOWN |
| 8606856     |                                    |                            | BROOKLYN | UNKNOWN |
| 8603569     | WILLIAMSBURG                       | WILLIAMSBURG               | BROOKLYN | UNKNOWN |
| 1103584     | IN FRONT OF                        | 184 BRIGGS AVE             | BROOKLYN | UNKNOWN |
| 1102029     | NY VA HOSPITAL                     | 800 POLY PLACE             | BROOKLYN | UNKNOWN |
| 1101447     | POLE # 62699                       | 2715 ROUND ST              | BROOKLYN | UNKNOWN |
| 1012925     | ROADWAY                            | WASHINGTON PLAZA           | BROOKLYN | UNKNOWN |
| 1009644     | ROADWAY                            | WASHINGTON PLAZA           | BROOKLYN | UNKNOWN |
| 1009174     | 222112; AINSLEY ST                 | AINSLEY ST                 | BROOKLYN | 11211   |
| 1009088     | 221422; S NY AVE                   | S NY AVE                   | BROOKLYN | UNKNOWN |
| 1008141     | GOWANUS BAY/US POWER GEN           | 420 AND 2END AVE           | BROOKLYN | UNKNOWN |
| 1005962     | KENT AVE DOT YARD                  | WILLIAMSBURG BRIDGE        | BROOKLYN | UNKNOWN |
| 1002941     | ON ROADWAY                         | ON BQE BETWEEN             | BROOKLYN | UNKNOWN |
| 0914424     | 218248; YORK STREET AND GREEN LANE | YORK STREET AND GREEN LANE | BROOKLYN | UNKNOWN |
| 0912508     | REGULATOR OH-6                     | BROOKLYN ARMY TERMINAL     | BROOKLYN | UNKNOWN |
| 0808967     | DRUM RUN                           | RYERSON AVE                | BROOKLYN | UNKNOWN |

|         |                                    |                                 |               |         |
|---------|------------------------------------|---------------------------------|---------------|---------|
| 0807442 | BROOKLYN CRUISE TERMINAL           | 1 CRUIZE WAY                    | BROOKLYN      | UNKNOWN |
| 0806633 | NYCT BUS                           | AVE J AND FULTON ST             | BROOKLYN      | UNKNOWN |
| 0805706 | MANHOLE #724                       | YORK ST/ GREEN LANE             | BROOKLYN      | UNKNOWN |
| 0712922 | BREE AVE AND BRIGGS AVE            | BREE AVE AND BRIGGS AVE         | BROOKLYN      | UNKNOWN |
| 0712067 | 11 ST CONDUIT TUNNEL O/W SEPERATOR | 11 & BERGEN. ASH ST & MCGUINESS | BROOKLYN      | UNKNOWN |
| 0706451 | ONE PINT FROM AERIAL XFMR ON POLE  | IN FRONT OF 230-50 EDGEWOOD AVE | BROOKLYN      | UNKNOWN |
| 0701967 | SPRAGUE ENERGY TRUCK               | 2449 HALLWAY AVE                | BROOKLYN      | UNKNOWN |
| 0701086 | FORMER BUS YARD                    | CARLTON AVE                     | BROOKLYN      | UNKNOWN |
| 0701011 | IN THE STREET                      | KENTH AVE                       | BROOKLYN      | UNKNOWN |
| 0611241 | HESS TERMINAL                      | PORT STREET                     | BROOKLYN      | UNKNOWN |
| 0610884 | PARKING LOT                        | 909 PROMOTIONAL DEV. IND        | BROOKLYN      | UNKNOWN |
| 0607043 | DEP FACILITY                       | WEST SIDE OF DIGESTER BUI       | BROOKLYN      | UNKNOWN |
| 0606084 | UNKNOWN                            | UNKNOWN                         | BROOKLYN      | UNKNOWN |
| 0602892 | MANHOLE#67572                      | BERGEN ST & CRESENT AVE         | BROOKLYN      | UNKNOWN |
| 0600561 | EXIT 34                            | ROUTE 278 SOUTHBOUND            | BROOKLYN      | 11222   |
| 0505446 | ROADWAY                            | NORTH 5TH ST                    | BROOKLYN      | 11211   |
| 0503928 | MANHOLE 23700                      | PALISADES AVE                   | BROOKLYN      | UNKNOWN |
| 0411570 | BAYSIDE FUEL                       | 1 NORTH 12TH STREET             | BROOKLYN      | 11211   |
| 0301260 | ON NEWTOWN CREEK                   | 1 MILE FROM MANHATTAN AVE       | BROOKLYN      | UNKNOWN |
| 0211984 | BAYSIDE FUEL OIL                   | 1 NORTH 12TH STREET             | BROOKLYN      | 11211   |
| 0211699 | IN THE 11ST ST CONDUIT             | BROOKLYN SIDE OF TUNNEL         | BROOKLYN      | UNKNOWN |
| 0210902 | RESIDENTS                          | 2526 HERBERT STREET             | BROOKLYN      | 11222   |
| 0210185 | 11TH ST YARD                       | 11TH ST                         | BROOKLYN      | UNKNOWN |
| 0207970 | OPPOSITE                           | 1630 SEMARKS AVE                | BROOKLYN      | UNKNOWN |
| 0203677 | BAYSIDE FUEL DEPOT                 | 1 NORTH 12TH STREET             | BROOKLYN      | 11211   |
| 0104610 | CORONA YARD                        | UNKNOWN                         | BROOKLYN      | UNKNOWN |
| 0814187 | 211097; NASSAU ST AND NASSAU PL    | NASSAU ST AND NASSAU PL         | NEW YORK      | UNKNOWN |
| 8902723 | BROOKLYN/QUEENS EXPWY              | BROOKLYN/QUEENS EXPWY           | NEW YORK CITY | UNKNOWN |
| 8810118 | BLDG 3 SUB STATION/BKLYN           | BLDG 3 SUB STATION              | NEW YORK CITY | UNKNOWN |
| 8809003 | ATLANTIC AVE & BEVERLY RD          | ATLANTIC AVE & BEVERLY RD       | NEW YORK CITY | UNKNOWN |
| 8807156 | WILLIAMSBURG/KOSCIUSKO             | WILLIAMSBURG/KOSCIUSKO          | NEW YORK CITY | UNKNOWN |
| 8709143 | BKLYN QUEENS EXPWY/BKLYN           | BKLYN QUEENS EXPRESSWAY         | NEW YORK CITY | UNKNOWN |
| 0814069 | AMBROSE CHANNEL LOWER BAY          | UNK                             | NEW YORK CITY | UNKNOWN |

Petroleum Bulk Storage Facilities

| FACILITY ID | FACILITY NAME   | STREET         | CITY     | ZIP     |
|-------------|-----------------|----------------|----------|---------|
| 2-237280    | 1160 REALTY CO  | 1160 REALTY CO | BROOKLYN | UNKNOWN |
| 2-289442    | 412 AVENUE E    | 412 AVENUE E   | BROOKLYN | UNKNOWN |
| NY03098     | DCA FOOD INDUST | 17 10 ST       | BROOKLYN | UNKNOWN |
| NY03182     | DEPT OF PARKS   |                | BROOKLYN | UNKNOWN |
| NY08951     | SECO MANAGEMENT | B KLYN NY      | BROOKLYN | UNKNOWN |

Hazardous Waste Generation or Transport Facilities

| FACILITY ID  | FACILITY NAME          | STREET                       | CITY     | ZIP     |
|--------------|------------------------|------------------------------|----------|---------|
| NYP004021192 | CONSOLIDATED EDISON CO | #46211 103 LEONARD           |          | UNKNOWN |
| NYP004022265 | CONSOLIDATED EDISON CO | MH71504 MCGUINESS & INDEP ST |          | UNKNOWN |
| NYP004023107 | CONSOLIDATED EDISON CO | RODNEY & 40 PL               |          | UNKNOWN |
| NYP004026936 | CONSOLIDATED EDISON CO | V4798 GRAND & CLINTON        |          | UNKNOWN |
| NYP000788471 | USEPA                  | ERRD                         | BROOKLYN | UNKNOWN |
| NYP000928275 | CONSOLIDATED EDISON    | 875 KAGERS AVE               | BROOKLYN | UNKNOWN |
| NYP000928846 | CONSOLIDATED EDISON    | MH 64217-BROOKLYN GRAND      | BROOKLYN | UNKNOWN |
| NYP000929257 | CONSOLIDATED EDISON    | 5 MARKS ST                   | BROOKLYN | UNKNOWN |
| NYP000930156 | CON ED - MH1115        | E/S LEE AVE                  | BROOKLYN | 11211   |
| NYP004057972 | CONSOLIDATED EDISON    | MH21248                      | BROOKLYN | UNKNOWN |
| NYP004059010 | CONSOLIDATED EDISON    | N/S                          | BROOKLYN | UNKNOWN |
| NYP004070264 | CONSOLIDATED EDISON    | MH12645                      | BROOKLYN | UNKNOWN |
| NYP004074357 | CONSOLIDATED EDISON    | MH61205                      | BROOKLYN | UNKNOWN |
| NYP004076185 | CONSOLIDATED EDISON    | MH7746                       | BROOKLYN | UNKNOWN |
| NYP004082954 | CONSOLIDATED EDISON    | 40313 FULTON ST & GLASSOW ST | BROOKLYN | UNKNOWN |
| NYP004121414 | CONSOLIDATED EDISON    | PARK @ ELLIOT AVE MH4047     | BROOKLYN | UNKNOWN |

|              |                                       |                               |          |         |
|--------------|---------------------------------------|-------------------------------|----------|---------|
| NYP004122206 | CONSOLIDATED EDISON                   | MH64799-PARK AVE              | BROOKLYN | UNKNOWN |
| NYP004128351 | CONSOLIDATED EDISON                   | SACKOTT ST                    | BROOKLYN | UNKNOWN |
| NYP004136180 | CONSOLIDATED EDISON                   | MH24778-E21ST CONCLAVE I      | BROOKLYN | UNKNOWN |
| NYP004138608 | CONSOLIDATED EDISON                   | S/E/C WILLOUGHBY LANE         | BROOKLYN | UNKNOWN |
| NYP004183331 | CONSOLIDATED EDISON MH42983           | MH42983 323 TANAKING AVE      | BROOKLYN | UNKNOWN |
| NYP004192154 | CONSOLIDATED EDISON MH27077           | MH27077                       | BROOKLYN | UNKNOWN |
| NYP004194494 | CONSOLIDATED EDISON MH44254           | MH44254 PARK AVE & SACKMAN ST | BROOKLYN | UNKNOWN |
| NYP004194890 | CONSOLIDATED EDISON MH58388           | HEGEMAN AVE & HERZL AVE       | BROOKLYN | UNKNOWN |
| NYP004195525 | CONSOLIDATED EDISON                   | CYPRESS AVE & STATE ST.       | BROOKLYN | UNKNOWN |
| NYP004198099 | CONSOLIDATED EDISON                   | F/O 1802 & 1809 AVE & 618 ST  | BROOKLYN | UNKNOWN |
| NYR000140855 | DLX INDUSTRIES                        | 1970 INDUSTRIAL PARK ROAD     | BROOKLYN | UNKNOWN |
| NY0000010363 | NYCDOT                                | N/S                           | N/S      | UNKNOWN |
| NYR000067843 | NEW YORK CITY DEPT PARKS & RECREATION | 11 ROSENGREV AVE              | N/S      | UNKNOWN |
| NYP000956961 | VERIZON NEW YORK INC MANHOLE          | LEANORD AVE                   | NEW YORK | UNKNOWN |
| NYP000957308 | VERIZON NEW YORK INC MANHOLE          | UNION AVE                     | NEW YORK | UNKNOWN |
| NYP000958181 | VERIZON NEW YORK INC MANHOLE          | DRIGGS AVE                    | NEW YORK | UNKNOWN |
| NYP000960666 | VERIZON NEW YORK INC.                 | N/E FOURTH ST MANHOLE         | NEW YORK | UNKNOWN |
| NYP004040804 | CONSOLIDATED EDISON                   | V3711-UNION ST                | NEW YORK | UNKNOWN |
| NYP004043659 | CONSOLIDATED EDISON                   | V52488-45 DEBEVOISE PL        | NEW YORK | UNKNOWN |
| NYP004049482 | CONSOLIDATED EDISON                   | 4 IRVING PLACE RM 300         | NEW YORK | UNKNOWN |
| NYP004054946 | CONSOLIDATED EDISON                   | V5971-LEXINGTON AVE           | NEW YORK | UNKNOWN |
| NYP004120424 | CONSOLIDATED EDISON                   | TM2403-N/S MESSERLE E/O 73RD  | NEW YORK | UNKNOWN |
| NYP004003778 | CONSOLIDATED EDISON                   | V815 - UNION AVE              | QUEENS   | UNKNOWN |
| NYP004006672 | CONSOLIDATED EDISON                   | V3487 - NEWELL AVE            | QUEENS   | UNKNOWN |
| NYP004016242 | CONSOLIDATED EDISON                   | V9379-32 HARRISON             | QUEENS   | UNKNOWN |
| NYP004045456 | CONSOLIDATED EDISON                   | V2488-45 DEBEVOISE PL         | QUEENS   | UNKNOWN |

#### Hazardous Substance Waste Sites

| FACILITY ID | FACILITY NAME           | STREET                         | CITY     | ZIP   |
|-------------|-------------------------|--------------------------------|----------|-------|
| NY0059      | BUG, WILLIAMSBURG WORKS | KENT AVENUE, NORTH 12TH STREET | BROOKLYN | 11211 |

#### Wastewater Discharges

| FACILITY ID | FACILITY NAME               | STREET | CITY | ZIP     |
|-------------|-----------------------------|--------|------|---------|
| NYU200022   | NYCDEP OMNIBUS IV ORDER     |        |      | UNKNOWN |
| NYU900073   | NEW YORK CITY TRANSIT AUTH. |        |      | UNKNOWN |

#### Air Releases

| FACILITY ID | FACILITY NAME       | STREET            | CITY         | ZIP     |
|-------------|---------------------|-------------------|--------------|---------|
| 3604700161  | MOT/ARMY            | NO STREET ADDRESS | BROOKLYN     | UNKNOWN |
| NY047X4UE   | SUPERIOR FIBRES INC | NO STREET ADDRESS | NO CITY NAME | UNKNOWN |
| NY047XAXP   | SHARMONT REALTY     | NO STREET ADDRESS | NO CITY NAME | UNKNOWN |

**Hazardous waste codes presented in individual Toxic Information Profiles are defined below.**

- B002 Petroleum oil or other liquid containing 50 ppm or greater of PCBs but less than 500 ppm PCBs. This includes oil from electrical equipment whose PCB concentration is unknown, except for circuit breakers, reclosers and cable.
- D004 Arsenic
- D008 Lead
- F001 The following spent halogenated solvents used in degreasing: Tetrachloroethylene, trichloroethylene, methylene chloride, 1,1,1-trichloroethane, carbon tetrachloride, and chlorinated fluorocarbons; all spent solvent mixtures/blends used in degreasing containing, before use, a total of ten percent or more (by volume) of one or more of the above halogenated solvents or those solvents listed in F002, F004, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures. (T)
- F002 The following spent halogenated solvents: Tetrachloroethylene, methylene chloride, trichloroethylene, 1,1,1-trichloroethane, chlorobenzene, 1,1,2-trichloro-1,2,2-trifluoroethane, ortho-dichlorobenzene, trichlorofluoromethane, and 1,1,2-trichloroethane; all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the above halogenated solvents or those listed in F001, F004, or F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures. (T)

Source: U. S. Environmental Protection Agency

# How Toxic Site Locations Are Mapped

Toxics Targeting maps toxic site locations on a digital version of the U. S. Census map or those used by local authorities using addresses and map coordinates provided by site owners/operators or government agencies. In order to allow site locations to be verified independently, the information used to map each site is presented in the first section of each Toxic Site Profile, along with a description of the mapping technique used and any address corrections that were made in order to locate toxic sites with incomplete or inadequate site location information. The mapping process is explained below.

Map Identification Number: 12

Site Name: Acme World Manufacturing, Inc.

Site Address: 55 Main Street

Anytown, NY 11797

## MAP LOCATION INFORMATION

Site location mapped by:

Address Matching

1) Most toxic sites are mapped by matching addresses provided by site owners/operators or government agencies with locations on a digital version of the street or parcel map. These site locations are identified with the method used to map them.

Note: Some sites have an address match location and a map coordinate location. Both locations are mapped because they can be equally correct.

or Map Coordinate

2) Some toxic sites are located using map coordinates provided by site owners/operators or government agencies. These site locations are identified "map coordinate." Map coordinates for Toxic Wastewater Discharges, Toxic Release Inventory sites and Major Oil Storage Facilities should be considered suspect.

or Manual Mapping

or Site Visit

3) Incomplete addresses or map coordinates require some site locations to be determined by commercial street maps (manual mapping), site visits, map coordinates from other databases and address location services. Application of any of these methods is identified accordingly.

## ADDRESS CHANGE INFORMATION

Revised Street: NO CHANGE

Revised zip code: NO CHANGE

4) Site addresses are sometimes corrected to eliminate obvious errors that prevent sites from being mapped. All address corrections are noted here.

# Information Source Guide

*Toxics Targeting's Environmental Reports* contain government and other information compiled on 21 categories of reported known or potential toxic sites. Each toxic site database is described below with information detailing a) the source of the information, b) the date when each database is covered to and c) when *Toxics Targeting* obtained the information..

1) **National Priority List for Federal Superfund Cleanup**: Toxic sites nominated for cleanup under the Federal Superfund program. Annual compilation of special two-page detailed profiles of NPL sites. Also includes delisted NPL sites. ASTM required.\* Fannie Mae required.\*\* Source: U. S. Environmental Protection Agency.<sup>1</sup>  
Data attributes updated from: 8/01/2011. Data obtained by Toxics Targeting: 8/01/2011.  
New Facilities updated through: 8/01/2011. Data obtained by Toxics Targeting: 8/01/2011.

2) **Inactive Hazardous Waste Disposal Site Registry**: New York State database that maintains information and aids decision making regarding the investigation and cleanup of toxic sites. The Registry's data includes two-page profiles noting site name, ID number, description, classification, cleanup status, types of cleanup, owner information, types and quantities of contaminants, and assessment of health and environmental problems. Also included are sites that qualify for possible inclusion on the Registry. These Registry Qualifying sites may or may not be on the Site Registry. ASTM required.\* Fannie Mae required.\*\* Source: New York State Department of Environmental Conservation.<sup>2</sup>  
Data attributes updated through: 9/28/2011. Data obtained by Toxics Targeting: 9/28/2011.  
New Facilities updated to: 9/28/2011. Data obtained by Toxics Targeting: 9/28/2011.

3) **Corrective Action Activity (CORRACTS)**: U. S. Environmental Protection Agency database of hazardous facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA). ASTM required.\* Fannie Mae required.\*\* Source: U. S. Environmental Protection Agency<sup>1</sup>  
Data attributes updated through: 9/13/2011. Data obtained by Toxics Targeting: 9/26/2011.  
New facilities updated through: 9/13/2011. Data obtained by Toxics Targeting: 9/26/2011.

4) **CERCLIS**: Toxic sites listed in the Federal Comprehensive Environmental Response, Compensation and Liability Information System. Includes Active and No Further Remedial Action Planned (NFRAP) sites. ASTM required.\* Fannie Mae required.\*\* Source: U. S. Environmental Protection Agency.<sup>1</sup>  
Data attributes updated through: 1/9/2008. Data obtained by Toxics Targeting: 3/12/2008.  
New Facilities updated through: 1/9/2008. Data obtained by Toxics Targeting: 3/12/2008.

5) **Brownfield Programs**: NYS programs for sites that are abandoned, idled or under-used industrial and/or commercial sites where expansion or redevelopment is complicated by real or perceived environmental contamination. ASTM required.\* Source: New York State Department of Environmental Conservation.<sup>2</sup>  
Data attributes updated through: 9/28/2011. Data obtained by Toxics Targeting: 9/28/2011.  
New Facilities updated to: 9/28/2011. Data obtained by Toxics Targeting: 9/28/2011.

- (a) **Brownfield Cleanup Program (BCP)**
- (b) **Voluntary Cleanup Program (VCP)**
- (c) **Environmental Restoration Program (ERP)**

6) **Solid Waste Facilities**: a compilation of the following 2 databases:

(a) **NYS Solid Waste Registry**: which includes, but is not limited to, landfills, incinerators, transfer stations, recycling centers. ASTM required.\* Fannie Mae required.\*\* Source: New York State Dept. of Environmental Conservation.<sup>2</sup>  
Data updated to: 12/31/2001. Data obtained by Toxics Targeting: 3/16/2002.

(b) **1934 Solid Waste Disposal Site in New York City**: which includes sites operated by municipal authorities circa 1934. Source: City of New York Department of Sanitation (1984). The Waste Disposal Problem in New York City: A Proposal For Action.

7) **RCRA Hazardous Waste Treatment, Storage or Disposal Facility Databases**:

(a) **Manifest Information**: New York State database of hazardous waste facilities and shipments regulated by the DEC's Bureau of Hazardous Waste Facility Compliance pursuant to NYS Law and the Resource Conservation and Recovery Act (RCRA). ASTM required.\* Fannie Mae required.\*\* Source: New York State Department of Environmental Conservation.<sup>2</sup>

New facilities updated through: 9/13/2011. New facilities obtained by Toxics Targeting: 10/4/2011.  
Manifest transactions data updated to: 9/13/2011. Manifest transactions data obtained by Toxics Targeting: 10/4/2011.

(b) **RCRA Notifier & Violations Information:** U. S. Environmental Protection Agency database of hazardous facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA).

ASTM required.\* Fannie Mae required.\*\*

Source: U. S. Environmental Protection Agency<sup>1</sup>

New facilities updated through: 9/13/2011.

Data obtained by Toxics Targeting: 9/26/2011.

Data attributes updated through: 9/13/2011.

Data obtained by Toxics Targeting: 9/26/2011.

8) **Spills Information Database:** Spills reported to the DEC as required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from Petroleum Bulk Storage Regulations) or 6 NYCRR Section 595.2 (from Chemical Bulk Storage Regulations). This database includes both *active* and *closed* spills.

ASTM required.\* Fannie Mae.\*\*

Source: NYS Department of Environmental Conservation.<sup>2</sup>

New spills through: 7/22/2011

New spills data obtained by Toxics Targeting: 7/22/2011

Spill attribute data through: 7/22/2011

Spill attribute data obtained by Toxics Targeting: 7/22/2011

Active spills: paperwork not completed.

Closed spills: paperwork completed.

Both active and closed spills may or may not have been cleaned up (see Date Cleanup Ceased in spill profiles).

9) **Major Oil Storage Facilities:** NYS database of facilities licensed pursuant to Article 12 of the Navigation Law, 6NYCRR Parts 610 and 17NYCRR Part 30, such as onshore facilities or vessels, with petroleum storage capacities equal to or greater than four hundred thousand gallons.

**Tank & other data withheld by NYSDEC as of 4/1/2002.**

ASTM required.\* Fannie Mae required.\*\*

Source: New York State Department of Environmental Conservation.<sup>2</sup>

Data updated through: 9/19/2011.

Data obtained by Toxics Targeting: 9/19/2011.

10) **Petroleum Bulk Storage Facilities:** a compilation of local and state databases of aboveground and underground petroleum storage tank facilities.

(a) **NYS Petroleum Bulk Storage Database:** This includes all New York State counties except

Cortland, Nassau, Rockland, Suffolk, and Westchester.

ASTM required.\* Fannie Mae required.\*\*

Source: NYS Department of Environmental Conservation.<sup>2</sup>

New facilities updated through: 9/19/2011.

Data obtained by Toxics Targeting: 9/19/2011.

Tank data updated through: 9/19/2011.

Data obtained by Toxics Targeting: 9/19/2011.

(b) **New York City Fire Department Tank Data:**

**Data has been withheld by the NYC Fire Dept.**

Source: New York City Fire Department.

Data obtained by Toxics Targeting: 2/18/1997

11) **RCRA Hazardous Waste Generators and/or Transporters Databases:**

(a) **Manifest Information:** New York State database of hazardous waste facilities and shipments regulated by the NYS Department of Environmental Conservation's Bureau of Hazardous Waste Facility Compliance pursuant to New York State Law.

ASTM required.\* Fannie Mae required.\*\*

Source: New York State Department of Environmental Conservation.<sup>2</sup>

New facilities updated through: 9/13/2011.

New facilities obtained by Toxics Targeting: 10/4/2011.

Manifest transactions data updated to: 9/13/2011.

Manifest transactions data obtained by Toxics Targeting: 10/4/2011.

(b) **RCRA Notifier & Violations Information:** U. S. Environmental Protection Agency database of hazardous facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA).

ASTM required.\* Fannie Mae required.\*\*

Source: U. S. Environmental Protection Agency<sup>1</sup>

New facilities updated through: 9/13/2011.

Data obtained by Toxics Targeting: 9/26/2011.

Data attributes updated through: 9/13/2011.

Data obtained by Toxics Targeting: 9/26/2011.

12) **Chemical Bulk Storage Facilities:** New York State database of facilities compiled pursuant to 6NYCRR Part 596 that store regulated substances listed in 6NYCRR Part 597 in aboveground tanks with capacities greater than 185 gallons and /or in underground tanks of any size.

**Tank & other data withheld by NYSDEC as of 4/1/2002.**

ASTM required.\* Fannie Mae required.\*\*

Source: New York State Department of Environmental Conservation.<sup>2</sup>

Data updated through: 9/19/2011.

Data obtained by Toxics Targeting: 9/19/2011.

13) **Historic New York City Utility Facilities (1898 to 1950):** An inventory of selected power generating stations, manufactured gas plants, gas storage facilities, maintenance yards and other gas and electric utility sites identified in various historic documents, maps and annual reports of New York utility companies, including: Sanborn Fire Insurance Maps of NYC (1898-1950); Consolidated Edison Co. Annual Reports (1922-1939); Consolidated Edison Co. Map: "Boroughs of Manhattan and the Bronx Showing Distribution Mains of the New York Edison Co.," (1922); and Consolidated Edison document: "Generating and Annex Stations," (1911).

14) **Hazardous Substance Waste Disposal Site Study**: NYS database of waste disposal sites that may pose threats to public health or the environment, but could not be remediated using monies from the Hazardous Waste Remedial Fund.

Source: New York State Department of Environmental Conservation.<sup>2</sup>

Data updated to: 5/16/2000.

Data obtained by Toxics Targeting: 5/16/2000.

15) **Toxic Release Inventory (TRI)**: Federal database of manufacturing facilities required under Section 313 of the Federal Emergency Planning and Community Right-to-Know Act to report releases to the air, water and land of any specifically listed toxic chemical. See Fannie Mae requirement\*\* below.

Source: U. S. Environmental Protection Agency.<sup>1</sup> / NYS Department of Environmental Conservation<sup>2</sup>

Data updated through: 3/8/2004.

Data obtained by Toxics Targeting: 3/25/2004

16) **Toxic Wastewater Discharges (Permit Compliance System)**: Federal database of discharges of wastewater to surface waters and groundwaters. See Fannie Mae requirement\*\* below. Source: U. S. Environmental Protection Agency.<sup>1</sup>

Data updated through: 6/17/2004.

Data obtained by Toxics Targeting: 7/19/2004.

17) **Air Discharge Facilities**: EPA AIRS database containing address information on each air emission facility and the type of air pollutant emission it is. Compliance information is also provided on each pollutant as well as the facility itself.

See Fannie Mae requirement\*\* below.

Source: U. S. Environmental Protection Agency<sup>1</sup>

Data updated through: 11/24/1999.

Data obtained by Toxics Targeting: 1/6/2000

18) **Civil Enforcement & Administrative Docket**: This database is the U. S. EPA's system for tracking administrative and civil judiciary cases filed on behalf of the agency by the Department of Justice. Fannie Mae required.\*\*

Source: U. S. Environmental Protection Agency.<sup>1</sup>

New Sites through: 10/14/1999.

Data updated through: 10/14/1999.

Data obtained by Toxics Targeting: 11/18/1999.

19) **New York City Environmental Quality Review (CEQR) – E Designation Sites**: These sites are parcels assigned a special environmental (“E”) designation under the CEQR process. E designation requires specific protocols that must be followed.

Data updated through: 6/29/2011.

Source: New York City Department of Planning<sup>3</sup>

Data obtained by Toxics Targeting: 7/29/2011

20) **Emergency Response Notification System (ERNS)**: Federal database of spills compiled by the Emergency Response Notification System. On-site searches only.

ASTM required.\* See Fannie Mae requirement\*\* below.

Data updated through: 1/31/2000.

Source: U. S. Environmental Protection Agency.<sup>1</sup>

Data obtained by Toxics Targeting: 2/15/2000

21) **Remediation Site Borders**: Remediation site borders reported by NYSDEC.

Source: New York State Department of Environmental Conservation.<sup>2</sup>

Updated through: 4/8/2009.

Data obtained by Toxics Targeting: 7/21/2009.

\* American Society of Testing Materials: Standard Practice on Environmental Site Assessments: Phase I Environmental Site Assessment Process (E1527-05).

\*\* Fannie Mae's Part X Environmental Hazards Management Procedures specify 1.0 mile searches for "any state or Federal list of hazardous waste sites (e.g. CERCLIS, HWDMS etc.)." Searches for the property and adjacent properties are specified for "chemical manufacturing plants," "obvious high risk neighbors engaging in storing or transporting hazardous waste, chemicals or substances" and "...any documented or visible evidence of dangerous waste handling... (e.g. stressed vegetation, stained soil, open or leaking containers, foul fumes or smells, oily ponds, etc." Searches for property and adjacent properties can include sites up to a quarter mile away (W. Hayward, Director, Multi-Family Business Planning and Control, Fannie Mae, personal communication, 5/94).

<sup>1</sup>U. S. Environmental Protection Agency, 290 Broadway, NY, NY 10007-1866.

<sup>2</sup>NYS Department of Environmental Conservation, 625 Broadway, Albany, NY 12233.

<sup>3</sup>New York City Department of City Planning, 22 Reade St, New York, NY 10007-1216

**APPENDIX D**  
**LOCAL RECORDS**

THE CITY OF NEW YORK

# DEPARTMENT OF BUILDINGS CERTIFICATE OF OCCUPANCY

BOROUGH **MANHATTAN**

DATE: **JUN 5 1980**

NO. **218516**

This certificate supersedes C.O. No. **21897**

ZONING DISTRICT **M-2**

THIS CERTIFIES that the ~~new~~ <sup>altered</sup> ~~existing~~ building premises located at

Block **2307**

Lots **14, 19, 16**

CONFORMS SUBSTANTIALLY TO THE APPROVED PLANS AND SPECIFICATIONS AND TO THE REQUIREMENTS OF ALL APPLICABLE LAWS, RULES, AND REGULATIONS FOR THE USES AND OCCUPANCIES SPECIFIED HEREIN

PERMISSIBLE USE AND OCCUPANCY

| FLOOR                         | LIVE LOAD<br>LBS PER<br>SQ. FT. | MAXIMUM<br>NO. OF<br>PERSONS<br>(INCLUDES SEATING) | ZONING<br>DWELLING<br>OR ROOMING<br>UNITS | BUILDING<br>CODE<br>HABITABLE<br>ROOMS | ZONING<br>USE GROUP | BUILDING<br>CODE<br>OCCUPANCY<br>GROUP | DESCRIPTION OF USE |
|-------------------------------|---------------------------------|----------------------------------------------------|-------------------------------------------|----------------------------------------|---------------------|----------------------------------------|--------------------|
| <b>Bldg. #1</b>               | <b>ground</b>                   | <b>2</b>                                           |                                           |                                        | <b>16</b>           | <b>B-1</b>                             | <b>Warehouse</b>   |
| <b>Bldg. #2</b>               | <b>ground</b>                   | <b>2</b>                                           |                                           |                                        | <b>16</b>           | <b>B-1</b>                             | <b>Warehouse</b>   |
| <b>TOTAL: As Stated Above</b> |                                 |                                                    |                                           | <b>New Code</b>                        |                     |                                        |                    |

OPEN SPACE USES \_\_\_\_\_

(SPECIFY - PARKING SPACES, LOADING BERTHS, OTHER USES, ETC.)

**NO CHANGES OF USE OR OCCUPANCY SHALL BE MADE UNLESS  
A NEW AMENDED CERTIFICATE OF OCCUPANCY IS OBTAINED**

THIS CERTIFICATE OF OCCUPANCY IS ISSUED SUBJECT TO FURTHER LIMITATIONS, CONDITIONS AND SPECIFICATIONS NOTED ON THE REVERSE SIDE

*George E. Coyne*  
BOROUGH SUPERINTENDENT

*James Fracton*  
COMMISSIONER

ORIGINAL     OFFICE COPY - DEPARTMENT OF BUILDINGS     COPY

DUPLICATE

CITY OF NEW YORK

No. 74473

OFFICE OF THE PRESIDENT OF THE BOROUGH OF BROOKLYN

DEPARTMENT OF BUILDINGS

DATE October 13, 1937

# CERTIFICATE OF OCCUPANCY

(Standard form adopted by the Board of Standards and Appeals July 22, 1932, and issued pursuant to Section 411-a, Greater New York Charter, and Chapter 5, Building Code, Code of Ordinances, City of New York)

This certificate supersedes all previously issued certificates.

To the owner or owners of the building or premises:

THIS CERTIFIES that the <sup>NEW</sup> ~~ALTERED~~ —BUILDING—PREMISES

Located at 15 W. Third Street N.Y.C. 10003

Block 1307, Lot 19

conforms substantially to the approved plans and specifications, and to the requirements of the building code and all other laws and ordinances, and of the rules and regulations of the Board of Standards and Appeals, applicable to a building of its class and kind at the time the permit was issued; and CERTIFIES FURTHER that, any provisions of law relating to standpipe and sprinkler equipment have been complied with as certified by a report of the Fire Commissioner to the Commissioner of Buildings.

THIS CERTIFICATE IS ISSUED SUBJECT TO THE LIMITATIONS HEREINAFTER SPECIFIED AND TO THE FOLLOWING RESOLUTIONS OF THE BOARD OF STANDARDS AND APPEALS:

(Calendar numbers to be inserted here)

## PERMISSIBLE USE AND OCCUPANCY

| STORY    | LIVE LOADS<br>LBS. PER SQ. FT. | PERSONS ACCOMMODATED |        |       | USE                                                 |
|----------|--------------------------------|----------------------|--------|-------|-----------------------------------------------------|
|          |                                | MALE                 | FEMALE | TOTAL |                                                     |
| Cellar   |                                |                      |        |       | Always open                                         |
| Basement |                                |                      |        |       | NONE                                                |
| First    |                                |                      |        |       | BAR, GRILL, RESTAURANT<br>+ DANCING SPACE 15' X 20' |
| Second   |                                |                      |        |       |                                                     |
| Third    |                                |                      |        |       |                                                     |
| Fourth   |                                |                      |        |       |                                                     |
| Fifth    |                                |                      |        |       |                                                     |
| Sixth    |                                |                      |        |       |                                                     |

Permit No. 7101 Type of Construction Stone

Height 1 stories 14 feet Date of completion, construction 10/22/37

Located in Manufactured zone at time of issuance of permit

(OVER)

THE CITY OF NEW YORK



DEPARTMENT OF BUILDINGS  
**CERTIFICATE OF OCCUPANCY**

BOROUGH Brooklyn

DATE: JUL 31 1987

NO. 300403702

This certificate supersedes C.O. No. 222920

ZONING DISTRICT M1-2

THIS CERTIFIES that the new-altered-existing-building-premises located at  
 33 Roebling Street

Block 2307 Lot 1

CONFORMS SUBSTANTIALLY TO THE APPROVED PLANS AND SPECIFICATIONS AND TO THE REQUIREMENTS OF ALL APPLICABLE LAWS, RULES, AND REGULATIONS FOR THE USES AND OCCUPANCIES SPECIFIED HEREIN

PERMISSIBLE USE AND OCCUPANCY

| STORY                                                                                                                  | LIVE LOAD<br>LBS PER<br>SQ FT | MAXIMUM<br>NO OF<br>PERSONS<br>PERMITTED | ZONING<br>DWELLING<br>OR ROOMING<br>UNITS | BUILDING<br>CODE<br>HABITABLE<br>ROOMS | ZONING<br>USE GROUP | BUILDING<br>CODE<br>OCCUPANCY<br>GROUP | DESCRIPTION OF USE                                                                                          |
|------------------------------------------------------------------------------------------------------------------------|-------------------------------|------------------------------------------|-------------------------------------------|----------------------------------------|---------------------|----------------------------------------|-------------------------------------------------------------------------------------------------------------|
| First                                                                                                                  | 0.0.                          | 30                                       |                                           |                                        | 16A<br>17B          | D-1                                    | Custom Woodworking<br>Food products, except slaughtering<br>of meat, or preparation of fish<br>for packing. |
| Second                                                                                                                 | 75                            | 30                                       |                                           |                                        | 16A                 |                                        | Custom Woodworking and offices.                                                                             |
| Open<br>Space                                                                                                          |                               |                                          |                                           |                                        |                     |                                        | Parking for four cars.                                                                                      |
| TOTAL: As stated above.                                                                                                |                               |                                          |                                           |                                        |                     |                                        |                                                                                                             |
| NOTE* Performance standards of M1-2 will be complied with 2R 42-20<br>Fire Dept. approval - Permit C5617709 (fuel oil) |                               |                                          |                                           |                                        |                     |                                        |                                                                                                             |

OPEN SPACE USES: Parking spaces  
 (SPECIFY - PARKING SPACES, LOADING BERTHS, OTHER USES, NONE)

NO CHANGES OF USE OR OCCUPANCY SHALL BE MADE UNLESS  
 A NEW AMENDED CERTIFICATE OF OCCUPANCY IS OBTAINED

THIS CERTIFICATE OF OCCUPANCY IS ISSUED SUBJECT TO FURTHER LIMITATIONS, CONDITIONS AND  
 SPECIFICATIONS NOTED ON THE REVERSE SIDE.

*Joseph P. ...* BOROUGH SUPERINTENDENT  
*...* COMMISSIONER

B-2

ORIGINAL     OFFICE COPY - DEPARTMENT OF BUILDINGS     COPY

HOUSING AND DEVELOPMENT ADMINISTRATION

DEPARTMENT OF BUILDINGS

CERTIFICATE OF OCCUPANCY

BOROUGH **Brooklyn**

DATE: **DEC 10 1976** NO. **214997**

This certificate supersedes C.O. No. 138695 & 147650 ZONING DISTRICT **M1-2**  
 THIS CERTIFIES that the ~~newly altered~~ ~~existing~~ building—premises located at **16, 19, 20,**  
**555 Union Avenue** Block **3207** Lot **120**

CONFORMS SUBSTANTIALLY TO THE APPROVED PLANS AND SPECIFICATIONS AND TO THE REQUIREMENTS OF ALL APPLICABLE LAWS, RULES AND REGULATIONS FOR THE USES AND OCCUPANCIES SPECIFIED HEREIN

PERMISSIBLE USE AND OCCUPANCY

| STORY         | LIVE LOAD<br>LBS. PER<br>SQ. FT. | MAXIMUM<br>NO. OF<br>PERSONS<br>PERMITTED | ZONING<br>DWELLING<br>OR ROOMING<br>UNITS | BUILDING<br>CODE<br>HABITABLE<br>ROOMS | ZONING<br>USE GROUP | BUILDING<br>CODE<br>OCCUPANCY<br>GROUP | DESCRIPTION OF USE |
|---------------|----------------------------------|-------------------------------------------|-------------------------------------------|----------------------------------------|---------------------|----------------------------------------|--------------------|
| dg. no. 1     | 0-g.                             |                                           |                                           |                                        | 16                  | B-1                                    | warehouse          |
| dg. no. 2     | 0-g.                             |                                           |                                           |                                        | 16                  | B-1                                    | warehouse          |
| <b>TOTAL:</b> |                                  |                                           | <b>Warehouse</b>                          |                                        |                     |                                        |                    |

SUPERSEDED BY  
 C.O. # 218516

OPEN SPACE USES \_\_\_\_\_  
(SPECIFY—PARKING SPACES, LOADING BERTHS, OTHER USES, NONE)

NO CHANGES OF USE OR OCCUPANCY SHALL BE MADE UNLESS  
 A NEW AMENDED CERTIFICATE OF OCCUPANCY IS OBTAINED

THIS CERTIFICATE OF OCCUPANCY IS ISSUED SUBJECT TO FURTHER LIMITATIONS, CONDITIONS AND SPECIFICATIONS NOTED ON THE REVERSE SIDE.

*Philip E. Allen*  
 BOROUGH SUPERINTENDENT

**JEREMIAH T. WALSH**  
 COMMISSIONER

**DEPARTMENT OF HOUSING AND BUILDINGS**

**BOROUGH OF BROOKLYN, CITY OF NEW YORK**

No. 10495

Date MAR 22 1954

**CERTIFICATE OF OCCUPANCY**

(Standard form adopted by the Board of Standards and Appeals and issued pursuant to Section 646 of the New York Charter, and Sections C.26-181.0 to C.26-187.0 inclusive Administrative Code 2.1.3.1 to 2.1.3.7 Building Code.)

This certificate supersedes C. O. No.

To the owner or owners of the building or premises:

THIS CERTIFIES that the new ~~manufacturing~~ building premises located at

OFF. 555/557

DISP. 555 Union Avenue; S/W corner of North 10th Street (264/268) Block 2304 Lot 16

, conforms substantially to the approved plans and specifications, and to the requirements of the building code and all other laws and ordinances, and of the rules and regulations of the Board of Standards and Appeals, applicable to a building of its class and kind at the time the permit was issued; and

CERTIFIES FURTHER that, any provisions of Section 646F of the New York Charter have been complied with as certified by a report of the Fire Commissioner to the Borough Superintendent.

~~Manufacture~~ N.B. 15/1953

Construction classification—Non-fireproof

Occupancy classification—Manufacturing of metal products

Height 1 stories, 15 feet.

Date of completion Const. 1-28-54 & 3-19-54 Plumb. 1-23-54 & 3-18-54 Located in Unrestricted

Use District.

B Area 2-19-54 Height Zone at time of issuance of permit

This certificate is issued subject to the limitations hereinafter specified and to the following resolutions of the Board of Standards and Appeals: (Calendar numbers to be inserted here)

**PERMISSIBLE USE AND OCCUPANCY**

| STORY                    | LIVE LOADS<br>Lbs. per Sq. Ft. | PERSONS ACCOMMODATED |        |       | USE                              |
|--------------------------|--------------------------------|----------------------|--------|-------|----------------------------------|
|                          |                                | MALE                 | FEMALE | TOTAL |                                  |
| First                    | Ground                         | 15                   | 3      | 18    | Manufacturing of metal products. |
| TOTAL - AS STATED ABOVE. |                                |                      |        |       |                                  |

Borough Superintendent.

*[Signature]*

DUPLICATE

CITY OF NEW YORK

OFFICE OF THE PRESIDENT OF THE BOARD OF BUILDINGS

DEPARTMENT OF BUILDINGS

DATE *June 11 1927*

# CERTIFICATE OF OCCUPANCY

This certificate is issued to the owner of the building and premises at the address of the building, New York City, as shown on the map of the City of New York, in accordance with the provisions of the laws of the City of New York, relating to the construction and occupancy of buildings.

This certificate represents all previously issued certificates.

It is the intent of the Board of Buildings to issue this certificate in accordance with the provisions of the laws of the City of New York, relating to the construction and occupancy of buildings.

THIS CERTIFICATE IS IN FULL PAYMENT OF ALL TAXES AND FEES DUE TO THE BOARD OF BUILDINGS.

*H. Walter [Signature]*

*277*

This certificate is issued in accordance with the provisions of the laws of the City of New York, relating to the construction and occupancy of buildings, and in accordance with the rules and regulations of the Board of Buildings, and the provisions of the laws of the City of New York, relating to the construction and occupancy of buildings, and in accordance with the rules and regulations of the Board of Buildings, and the provisions of the laws of the City of New York, relating to the construction and occupancy of buildings.

THIS CERTIFICATE IS ISSUED SUBJECT TO THE LIMITATIONS HEREINAFTER SPECIFIED AND TO THE FOLLOWING RESTRICTIONS OF THE BOARD OF STANDARDS AND APPEALS.

### PERMISSIBLE USE AND OCCUPANCY

| FLOOR    | LIVE LOAD<br>LBS. PER SQ. FT. | PERSONS ACCOMMODATED |        |       | USE                           |
|----------|-------------------------------|----------------------|--------|-------|-------------------------------|
|          |                               | MALE                 | FEMALE | TOTAL |                               |
| Cellar   |                               |                      |        |       | TRILET BOILER ROOM + KITCHEN  |
| Basement |                               |                      |        |       | NONE                          |
| First    |                               |                      |        |       | 200 CLUB ROOM + DANCE HALL    |
| Second   |                               |                      |        |       |                               |
| Third    |                               |                      |        |       |                               |
| Fourth   |                               |                      |        |       |                               |
| Fifth    |                               |                      |        |       | Total Club Rooms + Dance Hall |
| Sixth    |                               |                      |        |       |                               |

Permit No. *4653-2* Type of Construction *Brick*

Height *1* stories *1* feet Date of completion, construction *6/11/27*

Located in *Manufacturing* zone at time of issuance of permit

**DEPARTMENT OF BUILDINGS**

**BOROUGH OF BROOKLYN - CITY OF NEW YORK**

No.

Date

1350

FEB 10 1955

**CERTIFICATE OF OCCUPANCY**

(Standard form adopted by the Board of Standards and Appeals and issued pursuant to Section 646 of the New York Charter, and Sections C.26-181.0 to C.26-187.0 inclusive Administrative Code 2.1.3.1. to 2.1.3.7. Building Code.)

This certificate supersedes C. O. No.

To the owner or owners of the building or premises:

THIS CERTIFIES that the ~~new~~ altered ~~existing~~ building—premises located at  
**15 Wythe Street, North West Corner of Union Avenue**

Block **2907** Lot **19**

conforms substantially to the approved plans and specifications, and to the requirements of the building code and all other laws and ordinances, and of the rules and regulations of the Board of Standards and Appeals, applicable to a building of its class and kind at the time the permit was issued; and

CERTIFIES FURTHER that, any provisions of Section 646F of the New York Charter have been complied with as certified by a report of the Fire Commissioner to the Borough Superintendent.

~~RECORD~~ Alt. No.— **625/1955**

Construction classification— **2-200**

Occupancy classification— **Club and Banquet Hall** . Height **1** stories, **15** feet.

Date of completion — **Const. 10/27/55** . . . Located in **Unrestricted** Use District.

Area . . . Height Zone at time of issuance of permit

This certificate is issued subject to the limitations hereinafter specified and to the following resolutions of the Board of Standards and Appeals: (Calendar numbers to be inserted here)

**PERMISSIBLE USE AND OCCUPANCY**

| STORY                                                | LIVE LOADS<br>Lbs. per Sq. Ft. | PERSONS ACCOMMODATED |        |       | USE                                    |
|------------------------------------------------------|--------------------------------|----------------------|--------|-------|----------------------------------------|
|                                                      |                                | MALE                 | FEMALE | TOTAL |                                        |
| Cellar                                               | Ground                         | -                    | -      | 25    | entertainment and refreshment services |
| First                                                | 100                            | -                    | -      | 175   | club and banquet hall                  |
| Total - As stated above                              |                                |                      |        |       |                                        |
| Fire Department approval dated 2/1/1955 - final bill |                                |                      |        |       |                                        |

Borough Superintendent.

*[Signature]*

THE CITY OF NEW YORK



# DEPARTMENT OF BUILDINGS CERTIFICATE OF OCCUPANCY

BOROUGH Brooklyn

DATE **MAY 25 1989**

NO. 231576

This certificate supersedes C O No. 2361

ZONING DISTRICT M1-2

THIS CERTIFIES that the new - altered - existing - building - premises located at  
249 North 9th Street Block 2307 Lot 31

CONFORMS SUBSTANTIALLY TO THE APPROVED PLANS AND SPECIFICATIONS AND TO THE REQUIREMENTS OF ALL APPLICABLE LAWS, RULES, AND REGULATIONS FOR THE USES AND OCCUPANCIES SPECIFIED HEREIN

PERMISSIBLE USE AND OCCUPANCY

| STORY  | LIVE LOAD<br>LBS PER<br>SQ FT | MAXIMUM<br>NO. OF<br>PERSONS<br>PERMITTED | ZONING<br>Dwelling<br>OR ROOMING<br>UNITS | BUILDING<br>CODE<br>HABITABLE<br>ROOMS | ZONING<br>USE GROUP | BUILDING<br>CODE<br>OCCUPANCY<br>GROUP | DESCRIPTION OF USE             |
|--------|-------------------------------|-------------------------------------------|-------------------------------------------|----------------------------------------|---------------------|----------------------------------------|--------------------------------|
| First  | On<br>Ground                  |                                           |                                           |                                        | 16                  |                                        | Automobile Storage and Office. |
| Second | 40                            |                                           | 1                                         | 5                                      | 2                   |                                        | One (1) Family                 |
|        |                               |                                           | Old Code                                  |                                        |                     |                                        |                                |

OPEN SPACE USES \_\_\_\_\_

(SPECIFY - PARKING SPACES, LOADING BERTHS, OTHER USES, NONE)

NO CHANGES OF USE OR OCCUPANCY SHALL BE MADE UNLESS  
A NEW AMENDED CERTIFICATE OF OCCUPANCY IS OBTAINED

THIS CERTIFICATE OF OCCUPANCY IS ISSUED SUBJECT TO FURTHER LIMITATIONS, CONDITIONS AND  
SPECIFICATIONS NOTED ON THE REVERSE SIDE.

*Shirley Klein*  
BOROUGH SUPERINTENDENT

*Frank M. Minotto*  
COMMISSIONER

ORIGINAL     OFFICE COPY - DEPARTMENT OF BUILDINGS     COPY



# 264 North 10<sup>th</sup> Street

BROOKLYN, NEW YORK

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## Subsurface (Phase II) Investigation

OER Project No. 12EHAZ031K

AKRF Project Number: 11338-0004

**Prepared for:**

250 North 10<sup>th</sup> Street, LLC  
c/o LCOR Incorporated  
One Penn Plaza, Suite 3310  
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**Prepared by:**



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**OCTOBER 2011**

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## 1.0 INTRODUCTION

AKRF, Inc. (AKRF) conducted a subsurface (Phase II) investigation, consisting of the collection and laboratory analyses of soil, groundwater, and soil gas samples at 264 North 10<sup>th</sup> Street in Brooklyn, New York (hereafter referred to as the “Site”). The Site consists of an approximately 50,000 square foot vacant lot bounded by commercial and residential properties. A Site location map is provided as Figure 1. Soil, groundwater, and soil gas sample locations are provided on Figure 2.

The investigation was conducted on August 31, 2011 in accordance with AKRF’s August 2011 *Phase II Environmental Investigation Scope of Work (SOW) and Health and Safety Plan (HASP)* which was approved by the New York City Department of Environmental Protection (NYCDEP) in an email dated August 29, 2011. The purpose of the investigation was to characterize the soil that would be handled during future construction activities and to evaluate whether the Remedial Action Plan (RAP) approved by the New York City Department of Environmental Protection (NYCDEP) should be modified.

The proposed project includes the construction of a residential apartment building with a lower level parking garage. During previous site activities, the grade of the majority of the site was excavated and lowered approximately 2 feet relative to street level grade. It is estimated that the depth of the excavation will be advanced on average an additional 1 to 3 feet during future development.

## 2.0 PREVIOUS ENVIRONMENTAL INVESTIGATIONS

*Site Investigation Report – 264 North 10<sup>th</sup> Street/555 Union Avenue, 25-33 Roebing Street/236 North 10<sup>th</sup> Street, 258 North 10<sup>th</sup> Street, 543 Union Avenue, 249 North 9<sup>th</sup> Street, Block:2307, Lots 1,14, 16, 19 and 31, Brooklyn, New York – Hydro Tech Environmental, Corp., August 18, 2006.*

The Site Investigation Report by Hydro Tech Environmental, Corp. dated August 18, 2006, identified the following Recognized Environmental Conditions (RECs):

- The NYCDEP assigned the City Environmental Quality Review #06DEPTECH180K to the Site.
- The purpose of Hydro Tech’s Subsurface Investigation was to characterize soil and groundwater quality at the Site to address the “E” designation assigned by the NYCDEP.
- Work activities included a ground penetrating radar (GPR) survey and the collection and analysis of soil and groundwater samples.
- Groundwater being present at approximately 10 feet below street level grade.
- No magnetic anomalies indicative of buried tanks or drums were identified by the GPR survey.
- The investigation identified the presence of metals and semi volatile organic compounds (SVOCs) in soil, as well as metals in groundwater, attributable to historic (urban) fill.
- No volatile organic compounds (VOCs) were detected in soil or groundwater above regulatory standards.

## 3.0 PHYSICAL SETTING

Based on reports compiled by the U.S. Geological Survey (Brooklyn Quadrangle), the Site lies at an elevation of approximately 15 feet above mean sea level. During Hydro Tech’s Site Investigation in 2006, groundwater was encountered at a depth of approximately 10 feet below grade. During AKRF’s investigation, groundwater was encountered between 3 and 5 feet below existing grade, which would be approximately 5 to 7 feet below street level grade.

Based on surface topography, groundwater would be expected to flow in a northwesterly direction toward the East River, which is located approximately 3,000 northwest of the Site. Actual groundwater flow can be affected by many factors including subsurface openings or obstructions such as basements, underground utilities, parking garages and tunnels (including the NYCT subway tunnels beneath the site), bedrock geology, tidal fluctuations, and other factors beyond the scope of this assessment. Groundwater in Brooklyn is not used as a source of potable water (the municipal water supply uses upstate reservoirs).

## 4.0 FIELD ACTIVITIES

### 4.1 Soil Borings and Soil Sampling

On August 31, 2001, four soil borings (B/GW-2, B/GW-8, B/GW-12 and B/GW-15) were advanced throughout the Site to approximately 15 feet below existing grade using a Geoprobe<sup>®</sup> direct push drill rig. Zebra Environmental Inc. of Lynbrook, New York (Zebra) was retained as a subcontractor by AKRF to install the soil borings. The proposed boring locations coincided with locations described in the Site Investigation Report by Hydro Tech Environmental, Corp. dated August 18, 2006. Soil cores were obtained using 5-foot long macrocore samplers fitted with acetate liners. Each macrocore sample was inspected for evidence of contamination (e.g., odors, staining), screened with a photoionization detector (PID), and logged using the modified Burmister soil classification system.

Soil samples slated for laboratory analysis were placed in laboratory-supplied containers and shipped in coolers via lab courier in accordance with EPA protocols to Alpha Analytical Laboratories of Westborough, Massachusetts, a NYSDOH-certified laboratory. Soil boring sample depths and analytes are listed below in Table 1.

**Table 1**  
**Soil Boring Sample Depths and Analytes**

| Boring Location | Depth (ft-existing grade) | Analyte(s)                              |
|-----------------|---------------------------|-----------------------------------------|
| B/GW-2          | B-2 (4'-6')               | Copper & Mercury                        |
|                 | B-2 (6'-8')               | Copper & Mercury                        |
|                 | B-2 (8'-10')              | Copper & Mercury                        |
| B/GW-8          | B-8 (6'-8')               | Mercury                                 |
|                 | B-8 (8'-10')              | Mercury                                 |
| B/GW-12         | B-12 (6'-8')              | Arsenic & Mercury                       |
|                 | B-12 (8'-10')             | Arsenic & Mercury                       |
|                 | B-12 (10'-12')            | Arsenic & Mercury                       |
| B/GW-15         | B-15 (5'-7')              | Barium, Cadmium, Copper, Lead & Mercury |
|                 | B-15 (7'-9')              | Barium, Cadmium, Copper, Lead & Mercury |
|                 | B-15 (9'-11')             | Barium, Cadmium, Copper, Lead & Mercury |

Boring locations are shown on Figure 2. Photographic documentation is provided in Appendix A. Boring logs are provided in Appendix B.

## 4.2 Soil Gas Point Installation and Sampling

Three sub-grade vapor monitoring points (SG-1, SG-2, and SG-3) were installed by advancing borings to depths of approximately 2- to 2.5 feet below existing grade, placing a 6-inch stainless steel implant with connected Teflon tubing into the boring, backfilling the area around the screen with sand, and sealing the remaining void around the sample tubing with hydrated bentonite.

Soil vapor samples were collected from each of the monitoring points using 6-liter (6L), batch-certified SUMMA canisters each equipped with a vacuum gauge and flow regulator set to collect a 6-liter sample over a 2-hour sampling period, which corresponds to a flow rate of approximately 50 milliliters per minute (mL/min). Prior to sample collection, the sampling points were purged of three sampler volumes using a peristaltic pump. Purged vapors were collected into a Tedlar bag and field-screened for organic vapors using a PID. Following purging, the soil vapor samples were collected using the vacuum from the SUMMA canister.

For each soil vapor sample, immediately after opening the flow control valve equipped with the 2-hour regulator, the initial SUMMA canister vacuum (inches of mercury) was noted. After 2 hours, the flow controller valve was closed, the final vacuum noted, and the canister placed in a shipping carton for delivery to the laboratory. The samples were analyzed by Alpha Analytical Laboratories for VOCs using EPA Method TO-15.

In addition to the soil gas samples, one ambient (outdoor) air sample was collected for quality control purposes and analyzed for VOCs using EPA Method TO-15. Soil gas sampling locations are shown on Figure 2. Soil gas sampling logs are included in Appendix C.

## 4.3 Groundwater Monitoring Well Installation and Sampling

Temporary monitoring wells were installed at each of the boring locations following soil sampling. The wells were constructed by installing 1-inch PVC well screen and casing through the Geoprobe rods. The wells were gauged to determine the depth to water and any observations of separate phase product. The wells were then purged using a peristaltic pump prior to sampling, and the purged water was monitored for turbidity, temperature, pH, and conductivity using a water quality meter. One sample was collected for laboratory analysis after at least three well volumes were removed.

The groundwater samples (GW-2, GW-8, GW-12 and GW-15) were analyzed by Alpha Analytical Laboratories for TCL VOCs, TCL SVOCs-BNs, Target Analyte List (TAL) metals by EPA Method 6000/7000 (filtered and unfiltered), polychlorinated biphenyls (PCBs) by EPA Method 8082, and pesticides by EPA Method 8081. Following groundwater sampling, the temporary wells were removed from the ground. The locations of the temporary wells are identical to the boring locations (B/GW-2, B/GW-8, B/GW-12 and B/GW-15), as shown on Figure 2. Well sampling logs are provided in Appendix D.

# 5.0 FINDINGS

## 5.1 Field Observations

Soil encountered in the borings included urban fill materials consisting of sand, silt, and gravel with ash, brick, coal, wood, and glass to approximately 10 to 15 feet below grade. No indications of contamination (e.g., PID readings, staining or odors) were detected in any of the recovered soil. Groundwater was encountered at approximately 3 to 5 feet below existing grade (5 to 7 feet below street level grade). No odors, sheen or measured separate phase product were noted on the

purged groundwater prior to sampling at each temporary well location. No PID readings above background were detected in the tedlar bag soil vapor samples during field screening.

## 5.2 Soil Analysis Results

Soil sampling results were compared to NYSDEC 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives (USCOs) and Restricted Use Residential Soil Cleanup Objectives (RRSCOs). The SCOs for Unrestricted Use are applied as the appropriate standard for soil management purposes, including excavation during redevelopment or other improvements of the property involving excavation and off-site disposal. Soil that is free of contaminants above the Unrestricted Use standard is suitable for “unrestricted use” without imposed restrictions, such as environmental easements or other land use controls. The SCOs for Restricted Use Residential are applied for the on-site reuse of material excavated during redevelopment.

### Metals

Only soil samples B-12 (6'-8'), B-12 (8'-10'), and B-12 (10'-12') were analyzed for arsenic. Arsenic was detected in all three samples at concentrations below their respective USCOs and RRSCOs. Soil samples B-2 (4'-6'), B-2 (6'-8'), B-2 (8'-10'), B-15 (5'-7'), B-15 (7'-9') and B-15 (9'-11') were analyzed for copper. Copper was detected in all of the samples at concentrations ranging from 21 parts per million (ppm) at B-2 (6'-8') to 260 ppm at B-15 (5'-7'). Copper exceeded the USCO, but not the RRSCO, in samples B-15 (5'-7') and B-15 (7'-9'). Mercury was detected in all of the analyzed soil samples at concentrations ranging from 0.07 ppm in sample B-2 (6'-8') to 33.1 ppm in sample B-15 (9'-11'). Samples B-2 (8'-10'), B-8 (8'-10'), B-15 (5'-7'), B-15 (7'-9'), and B-15 (9'-11') exceeded both the USCO and RRSCO for mercury. Soil samples B-15 (5'-7'), B-15 (7'-9'), and B-15 (9'-11') were also analyzed for barium, cadmium and lead. Barium was detected in the three samples analyzed and cadmium was detected in samples B-15 (7'-9') and B-15 (9'-11') at concentrations below their respective USCOs and RRSCOs. Lead was detected in the three samples analyzed at concentrations ranging from 480 ppm in B-15 (5'-7') to 630 ppm in B-15 (9'-11'), which exceeded both the respective USCO and RRSCO.

Based on the concentrations and the distribution detected, as well as field observations, the metals in the samples are most likely attributable to urban fill. Soil analytical data sheets are included in Appendix E. Soil analytical results for metals are summarized in Table 1.

## 5.3 Groundwater Analysis Results

Groundwater results were compared to NYSDEC Class GA Ambient Water Quality Standards (drinking water standards), although groundwater in Brooklyn is not used as a source of potable water. Groundwater analytical data sheets are included in Appendix E. Groundwater analytical results are summarized in Tables 2A and 2D.

### Volatile Organic Compounds (VOCs)

Acetone was detected in all of the analyzed groundwater samples at concentrations ranging from 3 parts per billion (ppb) at GW-15 to 26 ppb at GW-2, which is below the Class GA standard of 50 parts per billion (ppb) for acetone. Methyl tert-butyl ether (MTBE) was detected in samples GW-8 and GW-15 at concentrations below the Class GA standard for MTBE. Naphthalene was detected in samples GW-2 and GW-8 at concentrations below the Class GA standard for naphthalene.

### Semivolatile Organic Compounds (SVOCs)

The SVOCs benzo(a)pyrene, benzo(b)fluoranthene, and indeno(1,2,3-cd)pyrene were detected in all of the groundwater samples at concentrations slightly exceeding their respective Class GA standards. Concentrations of benzo(a)anthracene and chrysene were detected in samples GW-2,

GW-8, and GW-15 slightly exceeding their respective Class GA standards. The SVOCs detected are most likely attributable to the presence of suspended sediment (including urban fill materials) entrained in the sample.

#### Metals

##### Total (Unfiltered)

Ten metals, including arsenic, barium, beryllium, chromium, copper, iron, lead, manganese, nickel, sodium and thallium exceeded their respective Class GA standards in samples GW-2 and GW-12. Magnesium and zinc also exceeded the Class GA standard in sample GW-2. Iron lead manganese and sodium exceeded their respective Class GA standards in samples GW-8 and GW-15. Antimony, arsenic, chromium, copper, magnesium, thallium, and zinc also exceeded their respective Class GA standards in sample GW-8.

##### Dissolved (Filtered)

Concentrations of manganese and sodium exceeded their respective Class GA standards in all of the groundwater samples. Iron exceeded the Class GA standard in samples GW-8 and GW-12. Lead, magnesium and selenium exceeded the Class GA standards in sample GW-8.

As with the SVOCs, the analytical results suggest that metals detections in the unfiltered (total) analysis are primarily due to suspended sediments. The metals detected by the filtered (dissolved) analysis are most likely either naturally occurring in the soil, or related to the brackish water (magnesium and sodium).

#### Pesticides

No pesticides were detected.

#### PCBs

No PCBs were detected.

## **5.4 Soil Gas Analytical Results**

Concentrations of VOCs detected in the soil gas samples were compared to the Health Effects Institute (HEI) 95<sup>th</sup> percentile concentrations for indoor air, and the ambient air sample for outdoor air quality on-site, the EPA Building Assessment and Survey Evaluation (BASE) 90<sup>th</sup> percentile value and the NYSDOH 2003 Soil Vapor Intrusion Guidance for Evaluating Soil Vapor Intrusion air guideline values (AGVs). These values provide a means of comparison to background conditions; however, since these values reflect indoor air conditions, the comparison assumes that any soil vapor detected would completely penetrate into the building, a condition that does not typically occur, nor would be present in the proposed new construction. The soil gas laboratory analytical data is included in Appendix E. Soil gas analytical results are presented in Table 3.

Concentrations of detected VOCs ranged from 4.67 micrograms per meter cubed ( $\mu\text{g}/\text{m}^3$ ) of butadiene in SG-3 to 7,390  $\mu\text{g}/\text{m}^3$  of toluene in SG-2. Sixteen VOCs, including 1,2,4-trimethylbenzene, 1,3 butadiene, 2-butanone, benzene, ethylbenzene, 4-ethyltoluene, 4-methyl-2-pentanone, toluene, acetone, carbon disulfide, o-xylene, m/p-xylene, ethanol, n-hexane, tetrachloroethene, and trichloroethene, were detected in one or more of the soil gas samples above their respective EPA and/or HEI background values. TCE was detected in SG-3 at a concentration of SG-3, which exceeded the NYSDOH AGV of 5  $\mu\text{g}/\text{m}^3$ .

Methylene chloride was detected in soil gas sample AA-1 above the respective EPA and HEI background values.

The concentrations were observed to be randomly dispersed throughout the subsurface; no specific on-site source area of the vapors could be ascertained from the soil gas data.

## 5.5 Conclusions

AKRF, Inc. (AKRF) performed a Phase II Subsurface Investigation including the collection and laboratory analyses of soil samples, groundwater samples, and soil vapor and ambient air samples within the proposed site. The results of the Phase II Subsurface Investigation included the following:

- Soil encountered in the borings included urban fill materials consisting of sand, silt, and gravel with ash, brick, coal, wood, and glass to approximately 10 to 15 feet below existing grade. No indications of contamination (e.g., PID readings, staining or odors) were detected in any of the recovered soil.
- Groundwater was encountered at approximately 3 to 5 feet below existing grade (5 to 7 feet below street level grade). No odors, sheen or measured separate phase product were noted on the purged groundwater prior to sampling at each temporary well location. Groundwater would be expected to flow in a northwesterly direction toward the East River, which is located approximately 3,000 northwest of the Site.
- No PID readings above background were detected in the tedlar bag soil vapor samples during field screening.
- Soil analytical results indicated the presence of mercury at concentrations exceeding the USCO in seven of the eleven samples and the RRSCO in five of the eleven samples. Soil analytical results indicated the presence of lead at concentrations exceeding both the USCO and RRSCO in the three samples analyzed. Copper was detected in two of the six soil samples above the USCO, but below the RRSCO for the remaining four samples. Arsenic, barium, and cadmium were not detected in any of the soil samples above the respective USCOs or RRSCO.
- Groundwater analytical results indicated the presence of SVOCs, including benzo(a)pyrene, benzo(b)fluoranthene and indeno(1,2,3-cd)pyrene, in the groundwater samples at concentrations slightly exceeding their respective Class GA standards. The SVOCs detected are most likely attributable to the presence of suspended sediment (including urban fill materials) entrained in the sample.

Total metals analysis (unfiltered) indicated the presence of 14 metals, including antimony, arsenic, barium, beryllium, chromium, copper, iron, lead, magnesium, manganese, nickel, sodium, thallium, and zinc exceeded their respective Class GA standards in one or more of the groundwater samples. The analytical results suggest that metals detections in the unfiltered (total) analysis are primarily due to suspended sediments.

Dissolved metals analysis (filtered) indicated the presence of manganese and sodium at concentrations exceeding their respective Class GA standards in all of the groundwater samples. Iron exceeded the Class GA standard in samples GW-8 and GW-12. Lead, magnesium and selenium exceeded the Class GA standards in sample GW-8.

No PCBs or pesticides were detected. No VOCs were detected above the Class GA standards.

- Soil gas analytical results indicated that VOCs were detected in the soil gas samples at concentrations above their respective HEI, EPA and NYSDOH air guidance values (AGVs). The concentrations were observed to be randomly dispersed throughout the subsurface; no

specific on-site source area of the vapors could be ascertained from the soil gas data or soil or groundwater data.

## 5.6 Recommendations

The proposed project includes the construction of a residential apartment building with a lower level parking garage. During previous site activities, the grade of the majority of the site was excavated and lowered approximately 2 feet relative to street level grade. It is estimated that the depth of the excavation will be advanced on average an additional 1 to 3 feet during future development. Based on the findings of this investigation and the prior studies, AKRF's recommends the following:

- Based on the anticipated subsurface disturbance, an appropriate Remedial Action Plan (RAP) and associated Construction Health and Safety Plan (CHASP) should be prepared and submitted to the New York City Mayor's Office of Environmental Remediation (NYCOER) for review and approval for implementation during proposed excavation. The RAP would address requirements for items such as: soil stockpiling, soil disposal and transportation; dust control; quality assurance; and contingency measures should petroleum storage tanks or contamination be unexpectedly encountered. The CHASP would include measures for worker and community protection, including personal protective equipment, dust control and air monitoring.

Engineering controls specified in the RAP should consist of a vapor barrier for protection of vapors. Since the bottom of the new building foundation will be in close proximity to the water table, the installation of a sub-slab depressurization system (SSDS) is not practical, as it could be inundated with groundwater. Nearly the entire footprint of the site will be occupied by a ventilated basement for automobile parking and mechanical equipment with residential units and common areas on the aboveground floors of the building. All landscape areas not occupied by the building should be covered with two (2) feet of imported clean soil with an underlying demarcation layer to prevent exposure to remaining fill material at the site.

- If petroleum-contaminated soil or groundwater or other evidence of a release or spill are encountered during excavation, it should be reported to NYSDEC and NYCOER and contamination should be delineated and remediated in accordance with applicable regulatory requirements. Any underground storage tanks unexpectedly encountered during excavation should be registered with NYSDEC and/or the NYC Fire Department, if required, and closed and removed along with any contaminated soil in accordance with all applicable requirements.
- Soil samples from the investigation included urban fill materials containing metals and SVOCs. All soil or fill excavated as part of site development activities should be managed in accordance with applicable regulatory requirements. Soil intended for off-site disposal should be tested in accordance with the requirements of the intended receiving facility. Transportation of material leaving the Site for off-site disposal must be in accordance with regulatory requirements covering licensing of haulers and trucks, placarding, truck routes, manifesting, etc.
- If dewatering is necessary (e.g., for the deeper excavations associated with elevator pits), it should be conducted in accordance with NYCDEP sewer discharge requirements. Additional groundwater testing, and possibly pre-treatment, may be necessary to comply with these requirements.

## 6.0 LIMITATIONS

The findings set forth in this report are strictly limited in scope and time to the date of the evaluation described herein. The conclusions and recommendations presented in the report are based solely on the services and any limitations described in this report.

This report may contain conclusions that are based on the analysis of data collected at the time and locations noted in the report through intrusive or non-intrusive sampling. However, further investigation might reveal additional data or variations of the current data, which may differ from our understanding of the conditions presented in this report and require the enclosed recommendations to be reevaluated or modified.

Chemical analyses may have been performed for specific parameters during the course of this investigation, as summarized in the text and tables. It should be noted that additional chemical constituents, not searched for during this investigation, may be present at the Site. Due to the nature of the investigation and the limited data available, no warranty, expressed or implied, shall be construed with respect to undiscovered liabilities. The presence of biological hazards, radioactive materials, lead-based paint and asbestos-containing materials was not investigated, unless specified in the report.

Interpretations of the data, including comparison to regulatory standards, guidelines or background values, are not opinions that these comparisons are legally applicable. Furthermore, any conclusions or recommendations should not be construed as legal advice. For such advice, the client is recommended to seek appropriate legal counsel. Disturbance, handling, transportation, storage and disposal of known or potentially contaminated materials is subject to all applicable laws, which may or may not be fully described as part of this report.

The analytical data, conclusions, and/or recommendations provided in this report should not be construed in any way as a classification of waste that may be generated during future disturbance of the Site. Waste(s) generated at the Site including excess fill may be considered regulated solid waste and potentially hazardous waste. Requirements for intended disposal facilities should be determined beforehand as the data provided in this report may be insufficient and could vary following additional sampling.

This report may be based solely or partially on data collected, conducted, and provided by, AKRF and/or others. No warranty is expressed or implied by usage of such data. Such data may be included in other investigation reports or documentation. In addition, these reports may have been based upon available previous reports, historical records, documentation from federal, state and local government agencies, personal interviews, and geological mapping. This report is subject, at a minimum, to the limitations of the previous reports, historical documents, availability and accuracy of collected documentation, and personal recollection of those persons interviewed. In certain instances, AKRF has been required to assume that the information provided is accurate with limited or no corroboratory evidence.

This report is intended for the use solely by 250 North Street, LLC. Reliance by third parties on the information and opinions contained herein is strictly prohibited and requires the written consent of AKRF. AKRF accepts no responsibility for damages incurred by third parties for any decisions or actions taken based on this report. This report must be used, interpreted, and presented in its entirety.

## 7.0 SOIL DISPOSAL ISSUES

In addition to the discussions in the Conclusions, Recommendations, and Limitations Sections (Sections 6.0 and 7.0), the issue of appropriate management of off-site disposal of soil warrants careful consideration. Any material being disposed of off-site is a regulated waste, and disposal must be in accordance with:

- Requirements of the specific receiving facility;
- Requirements of any agencies overseeing the cleanup/excavation; and
- Federal and state requirements (sometimes in both the state where the soil is generated and where disposal will occur).

For hazardous wastes and petroleum-contaminated soil (and other ‘clearly contaminated’ materials), the requirements are usually fairly well defined. It is in the situation where contamination is not readily apparent (e.g., so called “historic or urban fill” or “construction and demolition debris” or material that may have been formerly identified as “clean fill”) that present the greatest potential for problems and cost overruns. Even on sites where no contamination requiring remediation is identified, it is common that most of the excavated material is considered “contaminated” for purposes of waste disposal. Concentrations of the various contaminants in historic fill can be highly variable, and upon further testing, the material could contain higher contaminant concentrations than outlined in this investigation. Portions of this material could be classified as hazardous waste.

It is important that the intended disposal facility (or facilities) be identified in advance of off-site disposal. Agency approval is sometimes required for disposal, and the facility will frequently require additional testing prior to (and sometimes at the time of) accepting material. Material must conform to a lengthy list of requirements based on both chemical composition and sometimes numerous other parameters (related to size, percentage of liquids, presence of odors, etc.) for acceptance at the facility. Assuming (or allowing a contractor to assume) that all, or even most, of the soil from a site can be disposed of at minimal cost may result in unanticipated and expensive change orders.

For these reasons, we recommend that professional advice be sought prior to preparing bid documents and contracts incorporating soil disposal.

## 8.0 REFERENCES

1. *Site Investigation Report – 264 North 10<sup>th</sup> Street/555 Union Avenue, 25-33 Roebling Street/236 North 10<sup>th</sup> Street, 258 North 10<sup>th</sup> Street, 543 Union Avenue, 249 North 9<sup>th</sup> Street, Block:2307, Lots 1,14, 16, 19 and 31, Brooklyn, New York* – Hydro Tech Environmental, Corp., August 18, 2006.
2. U.S. Geological Survey, *Brooklyn, New York Quadrangle, 7.5 minute Series (Topographic), Scale 1:24,000, 1966, Photo revised 1995.*
3. U.S. Geological Survey, *Bedrock and Engineering Geologic Maps of New York County and parts of Kings and Queens Counties, New York, C. Baskerville; 1990.*

## **TABLES**

**Table 1**  
**264 North 10th Street**  
**Brooklyn, NY**  
Soil Analytical Results  
*Metals*

| Client ID     | NYSDEC<br>Part 375  | NYSDEC<br>Part 375               | B-2 (4'-6') | B-2 (6'-8') | B-2 (8'-10') | B-8 (6'-8') | B-8 (8'-10') | B-12 (6-8)  | B-12 (8-10) | B-12 (10'-12') | B-15 (5'-7') | B-15 (7'-9') | B-15 (9'-11') |
|---------------|---------------------|----------------------------------|-------------|-------------|--------------|-------------|--------------|-------------|-------------|----------------|--------------|--------------|---------------|
| Lab Sample ID | Unrestricted<br>SCO | Restricted<br>Residential<br>SCO | L1113555-09 | L1113555-10 | L1115368-03  | L1113555-07 | L1113555-08  | L1113555-01 | L1113555-02 | L1115368-01    | L1113555-04  | L1113555-05  | L1115368-02   |
| Date Sampled  | mg/kg               | mg/kg                            | 8/31/2011   | 8/31/2011   | 8/31/2011    | 8/31/2011   | 8/31/2011    | 8/31/2011   | 8/31/2011   | 8/31/2011      | 8/31/2011    | 8/31/2011    | 8/31/2011     |
| mg/kg         | mg/kg               | mg/kg                            |             |             |              |             |              |             |             |                |              |              |               |
| Arsenic       | 13                  | 16                               | NA          | NA          | NA           | NA          | NA           | 9.5         | 3           | 2              | NA           | NA           | NA            |
| Barium        | 350                 | 400                              | NA          | NA          | NA           | NA          | NA           | NA          | NA          | NA             | 280          | 310          | 270           |
| Cadmium       | 2.5                 | 4.3                              | NA          | NA          | NA           | NA          | NA           | NA          | NA          | NA             | 0.5 U        | 0.27 J       | 0.1           |
| Copper        | 50                  | 270                              | 28          | 21          | 33           | NA          | NA           | NA          | NA          | NA             | 260          | 120          | 33            |
| Lead          | 63                  | 400                              | NA          | NA          | NA           | NA          | NA           | NA          | NA          | NA             | 480          | 790          | 630           |
| Mercury       | 0.18                | 0.81                             | 0.6         | 0.07 J      | 2.6          | 0.18        | 8.9          | 0.3         | 0.14        | 0.08 J         | 1            | 3.9          | 33.1          |

**Table 2a**  
**264 North 10th Street**  
**Brooklyn, NY**  
Groundwater Analytical Results  
Volatile Organic Compounds

| Client ID                   | NYSDEC           | GW-2        | GW-8        | GW-12       | GW-15       | TB          | FB          |
|-----------------------------|------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Lab Sample ID               | Class GA         | L1113555-15 | L1113555-14 | L1113555-12 | L1113555-13 | L1113555-17 | L1113555-16 |
| Date Sampled                | Ambient Standard | 8/31/2011   | 8/31/2011   | 8/31/2011   | 8/31/2011   | 8/31/2011   | 8/31/2011   |
| µg/L                        | µg/L             |             |             |             |             |             |             |
| 1,1,1,2-Tetrachloroethane   | 5                | 0.5 U       |
| 1,1,1-Trichloroethane       | 5                | 0.5 U       |
| 1,1,2,2-Tetrachloroethane   | 5                | 0.5 U       |
| 1,1,2-Trichloroethane       | 1                | 0.75 U      |
| 1,1-Dichloroethane          | 5                | 0.75 U      |
| 1,1-Dichloroethene          | 5                | 0.5 U       |
| 1,1-Dichloropropene         | 5                | 2.5 U       |
| 1,2,3-Trichlorobenzene      | 5                | 2.5 U       |
| 1,2,3-Trichloropropane      | 0.04             | 5 U         | 5 U         | 5 U         | 5 U         | 5 U         | 5 U         |
| 1,2,4,5-Tetramethylbenzene  | 5                | 2 U         | 2 U         | 2 U         | 2 U         | 2 U         | 2 U         |
| 1,2,4-Trichlorobenzene      | 5                | 2.5 U       |
| 1,2,4-Trimethylbenzene      | 5                | 2.5 U       |
| 1,2-Dibromo-3-chloropropane | 0.04             | 2.5 U       |
| 1,2-Dibromoethane           | 0.0006           | 2 U         | 2 U         | 2 U         | 2 U         | 2 U         | 2 U         |
| 1,2-Dichlorobenzene         | 3                | 2.5 U       |
| 1,2-Dichloroethane          | 0.6              | 0.5 U       |
| 1,2-Dichloropropane         | 1                | 1.8 U       |
| 1,3,5-Trimethylbenzene      | 5                | 2.5 U       |
| 1,3-Dichlorobenzene         | 3                | 2.5 U       |
| 1,3-Dichloropropane         | 5                | 2.5 U       |
| 1,4-Dichlorobenzene         | 3                | 2.5 U       |
| 1,4-Diethylbenzene          | NS               | 2 U         | 2 U         | 2 U         | 2 U         | 2 U         | 2 U         |
| 2,2-Dichloropropane         | 5                | 2.5 U       |
| 2-Butanone                  | 50               | 5 U         | 5 U         | 5 U         | 5 U         | 5 U         | 5 U         |
| 2-Hexanone                  | 50               | 5 U         | 5 U         | 5 U         | 5 U         | 5 U         | 5 U         |
| 4-Ethyltoluene              | NS               | 2 U         | 2 U         | 2 U         | 2 U         | 2 U         | 2 U         |
| 4-Methyl-2-pentanone        | NS               | 5 U         | 5 U         | 5 U         | 5 U         | 5 U         | 5 U         |
| Acetone                     | 50               | 26          | 3 J         | 6.4         | 3 J         | 2.9 J       | 9.9         |
| Acrylonitrile               | 5                | 5 U         | 5 U         | 5 U         | 5 U         | 5 U         | 5 U         |
| Benzene                     | 1                | 0.5 U       |
| Bromobenzene                | 5                | 2.5 U       |
| Bromochloromethane          | 5                | 2.5 U       |
| Bromodichloromethane        | 50               | 0.5 U       |
| Bromoform                   | 50               | 2 U         | 2 U         | 2 U         | 2 U         | 2 U         | 2 U         |
| Bromomethane                | 5                | 1 U         | 1 U         | 1 U         | 1 U         | 1 U         | 1 U         |
| Carbon disulfide            | 60               | 5 U         | 5 U         | 5 U         | 5 U         | 5 U         | 5 U         |
| Carbon tetrachloride        | 5                | 0.5 U       |
| Chlorobenzene               | 5                | 0.5 U       |
| Chloroethane                | 5                | 1 U         | 1 U         | 1 U         | 1 U         | 1 U         | 1 U         |
| Chloroform                  | 7                | 0.75 U      |
| Chloromethane               | 5                | 2.5 U       |
| cis-1,2-Dichloroethene      | 5                | 0.5 U       |
| cis-1,3-Dichloropropene     | 0.4              | 0.5 U       |
| Dibromochloromethane        | 50               | 0.5 U       |
| Dibromomethane              | 5                | 5 U         | 5 U         | 5 U         | 5 U         | 5 U         | 5 U         |
| Dichlorodifluoromethane     | 5                | 5 U         | 5 U         | 5 U         | 5 U         | 5 U         | 5 U         |
| Ethyl ether                 | NS               | 2.5 U       |
| Ethylbenzene                | 5                | 0.5 U       |
| Hexachlorobutadiene         | 0.5              | 0.6 U       |
| Isopropylbenzene            | 5                | 0.5 U       |
| Methyl tert butyl ether     | 10               | 1 U         | 0.31 J      | 1 U         | 0.5 J       | 1 U         | 1 U         |
| Methylene chloride          | 5                | 5 U         | 5 U         | 5 U         | 5 U         | 5 U         | 5 U         |
| Naphthalene                 | 10               | 1.7 J       | 1.5 J       | 2.5 U       | 2.5 U       | 2.5 U       | 1.1 J       |
| n-Butylbenzene              | 5                | 0.5 U       |
| n-Propylbenzene             | 5                | 0.5 U       |
| o-Chlorotoluene             | 5                | 2.5 U       |
| o-Xylene                    | 5                | 1 U         | 1 U         | 1 U         | 1 U         | 1 U         | 0.82 J      |
| p/m-Xylene                  | 5                | 1 U         | 1 U         | 1 U         | 1 U         | 1 U         | 1.3         |
| p-Chlorotoluene             | 5                | 2.5 U       |
| p-Isopropyltoluene          | 5                | 0.5 U       |
| sec-Butylbenzene            | 5                | 0.5 U       |
| Styrene                     | 5                | 1 U         | 1 U         | 1 U         | 1 U         | 1 U         | 1 U         |
| tert-Butylbenzene           | 5                | 2.5 U       |
| Tetrachloroethene           | 5                | 0.5 U       |
| Toluene                     | 5                | 0.75 U      | 0.99        |
| trans-1,2-Dichloroethene    | 5                | 0.75 U      |
| trans-1,3-Dichloropropene   | 0.4              | 0.5 U       |
| trans-1,4-Dichloro-2-butene | 5                | 2.5 U       |
| Trichloroethene             | 5                | 0.5 U       |
| Trichlorofluoromethane      | 5                | 2.5 U       |
| Vinyl acetate               | NS               | 5 U         | 5 U         | 5 U         | 5 U         | 5 U         | 5 U         |
| Vinyl chloride              | 2                | 1 U         | 1 U         | 1 U         | 1 U         | 1 U         | 1 U         |

**Table 2b**  
**264 North 10th Street**  
**Brooklyn, NY**  
Groundwater Analytical Results  
Semi-Volatile Organic Compounds

| Client ID<br>Lab Sample ID<br>Date Sampled | NYSDEC<br>Class GA<br>Ambient<br>Standard | GW-2<br>L1113555-15<br>8/31/2011 | GW-8<br>L1113555-14<br>8/31/2011 | GW-12<br>L1113555-12<br>8/31/2011 | GW-15<br>L1113555-13<br>8/31/2011 |
|--------------------------------------------|-------------------------------------------|----------------------------------|----------------------------------|-----------------------------------|-----------------------------------|
| µg/L                                       | µg/L                                      |                                  |                                  |                                   |                                   |
| 1,2,4,5-Tetrachlorobenzene                 | 5                                         | 10 U                             | 10 U                             | 10 U                              | 10 U                              |
| 1,2,4-Trichlorobenzene                     | 5                                         | 5 U                              | 5 U                              | 5 U                               | 5 U                               |
| 1,2-Dichlorobenzene                        | 3                                         | 2 U                              | 2 U                              | 2 U                               | 2 U                               |
| 1,3-Dichlorobenzene                        | 3                                         | 2 U                              | 2 U                              | 2 U                               | 2 U                               |
| 1,4-Dichlorobenzene                        | 3                                         | 2 U                              | 2 U                              | 2 U                               | 2 U                               |
| 2,4,5-Trichlorophenol                      | NS                                        | 5 U                              | 5 U                              | 5 U                               | 5 U                               |
| 2,4,6-Trichlorophenol                      | NS                                        | 5 U                              | 5 U                              | 5 U                               | 5 U                               |
| 2,4-Dichlorophenol                         | 5                                         | 5 U                              | 5 U                              | 5 U                               | 5 U                               |
| 2,4-Dimethylphenol                         | 50                                        | 5 U                              | 5 U                              | 5 U                               | 5 U                               |
| 2,4-Dinitrophenol                          | 10                                        | 20 U                             | 20 U                             | 20 U                              | 20 U                              |
| 2,4-Dinitrotoluene                         | 5                                         | 5 U                              | 5 U                              | 5 U                               | 5 U                               |
| 2,6-Dinitrotoluene                         | 5                                         | 5 U                              | 5 U                              | 5 U                               | 5 U                               |
| 2-Chloronaphthalene                        | 10                                        | 0.2 U                            | 0.2 U                            | 0.2 U                             | 0.2 U                             |
| 2-Chlorophenol                             | NS                                        | 2 U                              | 2 U                              | 2 U                               | 2 U                               |
| 2-Methylnaphthalene                        | NS                                        | 0.33                             | 0.24                             | 0.2 U                             | 0.2 U                             |
| 2-Methylphenol                             | NS                                        | 5 U                              | 5 U                              | 5 U                               | 5 U                               |
| 2-Nitroaniline                             | 5                                         | 5 U                              | 5 U                              | 5 U                               | 5 U                               |
| 2-Nitrophenol                              | NS                                        | 10 U                             | 10 U                             | 10 U                              | 10 U                              |
| 3,3'-Dichlorobenzidine                     | 5                                         | 5 U                              | 5 U                              | 5 U                               | 5 U                               |
| 3-Methylphenol/4-Methylphenol              | NS                                        | 5 U                              | 5 U                              | 5 U                               | 5 U                               |
| 3-Nitroaniline                             | 5                                         | 5 U                              | 5 U                              | 5 U                               | 5 U                               |
| 4,6-Dinitro-o-cresol                       | NS                                        | 10 U                             | 10 U                             | 10 U                              | 10 U                              |
| 4-Bromophenyl phenyl ether                 | NS                                        | 2 U                              | 2 U                              | 2 U                               | 2 U                               |
| 4-Chloroaniline                            | 5                                         | 5 U                              | 5 U                              | 5 U                               | 5 U                               |
| 4-Chlorophenyl phenyl ether                | NS                                        | 2 U                              | 2 U                              | 2 U                               | 2 U                               |
| 4-Nitroaniline                             | 5                                         | 5 U                              | 5 U                              | 5 U                               | 5 U                               |
| 4-Nitrophenol                              | NS                                        | 10 U                             | 10 U                             | 10 U                              | 10 U                              |
| Acenaphthene                               | 20                                        | 3.4                              | 0.42                             | 0.11 J                            | 0.08 J                            |
| Acenaphthylene                             | NS                                        | 0.08 J                           | 0.2 U                            | 0.2 U                             | 0.2 U                             |
| Acetophenone                               | NS                                        | 5 U                              | 5 U                              | 5 U                               | 5 U                               |
| Anthracene                                 | 50                                        | 1.4                              | 0.12 J                           | 0.2 U                             | 0.07 J                            |
| Benzo(a)anthracene                         | 0.002                                     | 0.28                             | 0.08 J                           | 0.2 U                             | 0.12 J                            |
| Benzo(a)pyrene                             | ND                                        | 0.27                             | 0.17 J                           | 0.15 J                            | 0.21                              |
| Benzo(b)fluoranthene                       | 0.002                                     | 0.26                             | 0.17 J                           | 0.14 J                            | 0.19 J                            |
| Benzo(ghi)perylene                         | NS                                        | 0.31                             | 0.27                             | 0.24                              | 0.27                              |
| Benzo(k)fluoranthene                       | 0.002                                     | 0.13 J                           | 0.2 U                            | 0.2 U                             | 0.08 J                            |
| Benzoic Acid                               | NS                                        | 50 U                             | 50 U                             | 50 U                              | 50 U                              |
| Benzyl Alcohol                             | NS                                        | 2 U                              | 2 U                              | 2 U                               | 2 U                               |
| Biphenyl                                   | 5                                         | 2 U                              | 2 U                              | 2 U                               | 2 U                               |
| Bis(2-chloroethoxy)methane                 | 5                                         | 5 U                              | 5 U                              | 5 U                               | 5 U                               |
| Bis(2-chloroethyl)ether                    | 1                                         | 2 U                              | 2 U                              | 2 U                               | 2 U                               |
| Bis(2-chloroisopropyl)ether                | NS                                        | 2 U                              | 2 U                              | 2 U                               | 2 U                               |
| Bis(2-Ethylhexyl)phthalate                 | 5                                         | 3 U                              | 3 U                              | 3 U                               | 3 U                               |
| Butyl benzyl phthalate                     | 50                                        | 5 U                              | 5 U                              | 5 U                               | 5 U                               |
| Carbazole                                  | NS                                        | 2 U                              | 2 U                              | 2 U                               | 2 U                               |
| Chrysene                                   | 0.002                                     | 0.31                             | 0.06 J                           | 0.2 U                             | 0.1 J                             |
| Dibenzo(a,h)anthracene                     | NS                                        | 0.36                             | 0.36                             | 0.2 U                             | 0.2 U                             |
| Dibenzofuran                               | NS                                        | 2 U                              | 2 U                              | 2 U                               | 2 U                               |
| Diethyl phthalate                          | 50                                        | 5 U                              | 5 U                              | 5 U                               | 5 U                               |
| Dimethyl phthalate                         | 50                                        | 5 U                              | 5 U                              | 5 U                               | 5 U                               |
| Di-n-butylphthalate                        | 50                                        | 5 U                              | 5 U                              | 5 U                               | 5 U                               |
| Di-n-octylphthalate                        | 50                                        | 5 U                              | 5 U                              | 5 U                               | 5 U                               |
| Fluoranthene                               | 50                                        | 1.4                              | 0.14 J                           | 0.08 J                            | 0.21                              |
| Fluorene                                   | 50                                        | 2.6                              | 0.27                             | 0.2 U                             | 0.2 U                             |
| Hexachlorobenzene                          | 0.04                                      | 0.8 U                            | 0.8 U                            | 0.8 U                             | 0.8 U                             |
| Hexachlorobutadiene                        | 0.5                                       | 0.5 U                            | 0.5 U                            | 0.5 U                             | 0.5 U                             |
| Hexachlorocyclopentadiene                  | 5                                         | 20 U                             | 20 U                             | 20 U                              | 20 U                              |
| Hexachloroethane                           | 5                                         | 0.8 U                            | 0.8 U                            | 0.8 U                             | 0.8 U                             |
| Indeno(1,2,3-cd)Pyrene                     | 0.002                                     | 0.34                             | 0.29                             | 0.27                              | 0.3                               |
| Isophorone                                 | 50                                        | 5 U                              | 5 U                              | 5 U                               | 5 U                               |
| Naphthalene                                | 10                                        | 1.1                              | 1.2                              | 0.2 U                             | 0.2 U                             |
| Nitrobenzene                               | 0.4                                       | 2 U                              | 2 U                              | 2 U                               | 2 U                               |
| NitrosoDiPhenylAmine(NDPA)/DPA             | 50                                        | 2 U                              | 2 U                              | 2 U                               | 2 U                               |
| n-Nitrosodi-n-propylamine                  | NS                                        | 5 U                              | 5 U                              | 5 U                               | 5 U                               |
| p-Chloro-M-Cresol                          | NS                                        | 2 U                              | 2 U                              | 2 U                               | 2 U                               |
| Pentachlorophenol                          | NS                                        | 0.8 U                            | 0.8 U                            | 0.8 U                             | 0.8 U                             |
| Phenanthrene                               | 50                                        | 5.9                              | 0.32                             | 0.08 J                            | 0.21                              |
| Phenol                                     | NS                                        | 5 U                              | 5 U                              | 5 U                               | 5 U                               |
| Pyrene                                     | 50                                        | 0.97                             | 0.12 J                           | 0.08 J                            | 0.18 J                            |

**Table 2c**  
**264 North 10th Street**  
**Brooklyn, NY**  
Groundwater Analytical Results  
*Metals*

| Client ID<br>Lab Sample ID<br>Date Sampled | NYSDEC<br>Class GA<br>Ambient<br>Standard | GW-2<br>L1113555-15<br>8/31/2011 | GW-8<br>L1113555-14<br>8/31/2011 | GW-12<br>L1113555-12<br>8/31/2011 | GW-15<br>L1113555-13<br>8/31/2011 |
|--------------------------------------------|-------------------------------------------|----------------------------------|----------------------------------|-----------------------------------|-----------------------------------|
| <b>Total Metals - µg/L</b>                 | <b>µg/L</b>                               |                                  |                                  |                                   |                                   |
| Aluminum                                   | NS                                        | 100,000                          | 29,000                           | 52,000                            | 3,200                             |
| Antimony                                   | 3                                         | 20 U                             | 4.1 J                            | 10 U                              | 1.3 J                             |
| Arsenic                                    | 25                                        | 95                               | 61                               | 28                                | 23                                |
| Barium                                     | 1,000                                     | 3,370                            | 592                              | 1,100                             | 473                               |
| Beryllium                                  | 3                                         | 7.8 J                            | 2.7 J                            | 5.4                               | 5 U                               |
| Cadmium                                    | 5                                         | 4 J                              | 3 J                              | 2 J                               | 5 U                               |
| Calcium                                    | NS                                        | 250,000                          | 500,000                          | 240,000                           | 210,000                           |
| Chromium                                   | 50                                        | 230                              | 80                               | 140                               | 10                                |
| Cobalt                                     | NS                                        | 85                               | 30                               | 90                                | 4 J                               |
| Copper                                     | 200                                       | 898                              | 298                              | 222                               | 44                                |
| Iron                                       | 300+                                      | 250,000                          | 190,000                          | 190,000                           | 9,500                             |
| Lead                                       | 25                                        | 4,010                            | 3,500                            | 958                               | 495                               |
| Magnesium                                  | 35,000                                    | 42,000                           | 71,000                           | 35,000                            | 28,000                            |
| Manganese                                  | 300+                                      | 5,720                            | 19,700                           | 6,810                             | 616                               |
| Mercury                                    | 0.7                                       | 0.2 U                            | 0.2 U                            | 0.2 U                             | 0.2 U                             |
| Nickel                                     | 100                                       | 165                              | 51                               | 151                               | 7 J                               |
| Potassium                                  | NS                                        | 36,000                           | 40,000                           | 25,000                            | 30,000                            |
| Selenium                                   | 10                                        | 10 U                             | 10 U                             | 10 U                              | 10 U                              |
| Silver                                     | 50                                        | 3 J                              | 4 J                              | 7 U                               | 7 U                               |
| Sodium                                     | 20,000                                    | 38,000                           | 100,000                          | 50,000                            | 63,000                            |
| Thallium                                   | 0.5                                       | 2 J                              | 0.8 J                            | 1 J                               | 5 U                               |
| Vanadium                                   | NS                                        | 372                              | 95                               | 206                               | 15                                |
| Zinc                                       | 2,000                                     | 2,180                            | 3,080                            | 1,490                             | 272                               |

**Dissolved Metals - µg/L**

|           |        |         |         |         |         |
|-----------|--------|---------|---------|---------|---------|
| Aluminum  | NS     | 120     | 350     | 970     | 60 J    |
| Antimony  | 3      | 0.9 J   | 1.3 J   | 1 J     | 1.2     |
| Arsenic   | 25     | 5       | 4 J     | 5 U     | 4 J     |
| Barium    | 1,000  | 226     | 97      | 144     | 148     |
| Beryllium | 3      | 0.5 U   | 2.5 U   | 0.5 U   | 0.5 U   |
| Cadmium   | 5      | 5 U     | 5 U     | 5 U     | 5 U     |
| Calcium   | NS     | 170,000 | 500,000 | 160,000 | 190,000 |
| Chromium  | 50     | 10 U    | 3 J     | 10 U    | 10 U    |
| Cobalt    | NS     | 4 J     | 23      | 20 U    | 20 U    |
| Copper    | 200    | 10 U    | 10 U    | 10 U    | 10 U    |
| Iron      | 300+   | 290     | 44,000  | 630     | 290     |
| Lead      | 25     | 3 J     | 30      | 3 J     | 8 J     |
| Magnesium | 35,000 | 32,000  | 76,000  | 24,000  | 32,000  |
| Manganese | 300+   | 1,480   | 16,500  | 570     | 510     |
| Mercury   | 0.7    | 0.2 U   | 0.2 U   | 0.2 U   | 0.2 U   |
| Nickel    | 100    | 4 J     | 10 J    | 3 J     | 25 U    |
| Potassium | NS     | 35,000  | 59,000  | 24,000  | 37,000  |
| Selenium  | 10     | 6 J     | 16      | 4 J     | 10 U    |
| Silver    | 50     | 7 U     | 7 U     | 7 U     | 7 U     |
| Sodium    | 20,000 | 46,000  | 150,000 | 60,000  | 72,000  |
| Thallium  | 0.5    | 0.5 U   | 2.5 U   | 0.03 J  | 0.1 J   |
| Vanadium  | NS     | 10 U    | 10 U    | 10 U    | 10 U    |
| Zinc      | 2,000  | 12 J    | 463     | 11 J    | 20 J    |

**Table 2d**  
**264 North 10th Street**  
**Brooklyn, NY**

Groundwater Analytical Results  
*Polychlorinated Biphenyls & Pesticides*

| Client ID<br>Lab Sample ID<br>Date Sampled | NYSDEC<br>Class GA<br>Ambient<br>Standard | GW-2<br>L1113555-15<br>8/31/2011 | GW-8<br>L1113555-14<br>8/31/2011 | GW-12<br>L1113555-12<br>8/31/2011 | GW-15<br>L1113555-13<br>8/31/2011 |
|--------------------------------------------|-------------------------------------------|----------------------------------|----------------------------------|-----------------------------------|-----------------------------------|
| <b>Polychlorinated Biphenyls - µg/L</b>    | <b>µg/L</b>                               |                                  |                                  |                                   |                                   |
| Aroclor 1016                               | 0.09                                      | 0.083 U                          | 0.083 U                          | 0.083 U                           | 0.083 U                           |
| Aroclor 1221                               | 0.09                                      | 0.083 U                          | 0.083 U                          | 0.083 U                           | 0.083 U                           |
| Aroclor 1232                               | 0.09                                      | 0.083 U                          | 0.083 U                          | 0.083 U                           | 0.083 U                           |
| Aroclor 1242                               | 0.09                                      | 0.083 U                          | 0.083 U                          | 0.083 U                           | 0.083 U                           |
| Aroclor 1248                               | 0.09                                      | 0.083 U                          | 0.083 U                          | 0.083 U                           | 0.083 U                           |
| Aroclor 1254                               | 0.09                                      | 0.083 U                          | 0.083 U                          | 0.083 U                           | 0.083 U                           |
| Aroclor 1260                               | 0.09                                      | 0.083 U                          | 0.083 U                          | 0.083 U                           | 0.083 U                           |

**Pesticides - µg/L**

|                    |       |         |        |        |        |
|--------------------|-------|---------|--------|--------|--------|
| 4,4'-DDD           | 0.3   | 0.047 U | 0.04 U | 0.04 U | 0.04 U |
| 4,4'-DDE           | 0.2   | 0.047 U | 0.04 U | 0.04 U | 0.04 U |
| 4,4'-DDT           | 0.2   | 0.047 U | 0.04 U | 0.04 U | 0.04 U |
| Aldrin             | ND    | 0.024 U | 0.02 U | 0.02 U | 0.02 U |
| Alpha-BHC          | 0.01  | 0.024 U | 0.02 U | 0.02 U | 0.02 U |
| Beta-BHC           | 0.04  | 0.024 U | 0.02 U | 0.02 U | 0.02 U |
| Chlordane          | 0.05  | 0.235 U | 0.2 U  | 0.2 U  | 0.2 U  |
| Delta-BHC          | 0.04  | 0.024 U | 0.02 U | 0.02 U | 0.02 U |
| Dieldrin           | 0.004 | 0.047 U | 0.04 U | 0.04 U | 0.04 U |
| Endosulfan I       | NS    | 0.024 U | 0.02 U | 0.02 U | 0.02 U |
| Endosulfan II      | NS    | 0.047 U | 0.04 U | 0.04 U | 0.04 U |
| Endosulfan sulfate | NS    | 0.047 U | 0.04 U | 0.04 U | 0.04 U |
| Endrin             | ND    | 0.047 U | 0.04 U | 0.04 U | 0.04 U |
| Endrin ketone      | 5     | 0.047 U | 0.04 U | 0.04 U | 0.04 U |
| Heptachlor         | 0.04  | 0.024 U | 0.02 U | 0.02 U | 0.02 U |
| Heptachlor epoxide | 0.03  | 0.024 U | 0.02 U | 0.02 U | 0.02 U |
| Lindane            | 0.05  | 0.024 U | 0.02 U | 0.02 U | 0.02 U |
| Methoxychlor       | 35    | 0.235 U | 0.2 U  | 0.2 U  | 0.2 U  |
| Toxaphene          | 0.06  | 0.235 U | 0.2 U  | 0.2 U  | 0.2 U  |
| trans-Chlordane    | NS    | 0.024 U | 0.02 U | 0.02 U | 0.02 U |

**Table 3a**  
**264 North 10th Street**  
**Brooklyn, NY**  
Soil Vapor Analytical Results  
Volatile Organic Compounds

| Client ID                 | HEI RIOPA                | EPA 2001                 | NYSDOH 2003                       | SG-1        | SG-2        | SG-3        | AA-1        |
|---------------------------|--------------------------|--------------------------|-----------------------------------|-------------|-------------|-------------|-------------|
| Lab Sample ID             | 2005 95th                | BASE                     | Soil Vapor                        | L1113734-01 | L1113734-02 | L1113734-03 | L1113734-04 |
| Date Sampled              | Percentile               | 90th                     | Intrusion                         | 8/31/2011   | 8/31/2011   | 8/31/2011   | 8/31/2011   |
| Dilution                  | Indoor Air               | percentile               | Air Guideline                     | 10          | 10          | 10          | 1           |
| $\mu\text{g}/\text{m}^3$  | $\mu\text{g}/\text{m}^3$ | $\mu\text{g}/\text{m}^3$ | Value<br>$\mu\text{g}/\text{m}^3$ |             |             |             |             |
| 1,1,1-Trichloroethane     | NS                       | 20.6                     | NS                                | <10.9 U     | <10.9 U     | <10.9 U     | <1.09 U     |
| 1,1,2,2-Tetrachloroethane | NS                       | NS                       | NS                                | <13.7 U     | <13.7 U     | <13.7 U     | <1.37 U     |
| 1,1,2-Trichloroethane     | NS                       | <1.5                     | NS                                | <10.9 U     | <10.9 U     | <10.9 U     | <1.09 U     |
| 1,1-Dichloroethane        | NS                       | <0.7                     | NS                                | <8.09 U     | <8.09 U     | <8.09 U     | <0.809 U    |
| 1,1-Dichloroethene        | NS                       | <1.4                     | NS                                | <7.93 U     | <7.93 U     | <7.93 U     | <0.793 U    |
| 1,2,4-Trichlorobenzene    | NS                       | <6.8                     | NS                                | <14.8 U     | <14.8 U     | <14.8 U     | <1.48 U     |
| 1,2,4-Trimethylbenzene    | NS                       | 9.5                      | NS                                | 44.1        | <9.83 U     | 17          | <0.983 U    |
| 1,2-Dibromoethane         | NS                       | <1.5                     | NS                                | <15.4 U     | <15.4 U     | <15.4 U     | <1.54 U     |
| 1,2-Dichlorobenzene       | NS                       | <1.2                     | NS                                | <12 U       | <12 U       | <12 U       | <1.2 U      |
| 1,2-Dichloroethane        | NS                       | <0.9                     | NS                                | <8.09 U     | <8.09 U     | <8.09 U     | <0.809 U    |
| 1,2-Dichloropropane       | NS                       | <1.6                     | NS                                | <9.24 U     | <9.24 U     | <9.24 U     | <0.924 U    |
| 1,3,5-Trimethylbenzene    | NS                       | NS                       | NS                                | 15.4        | <9.83 U     | <9.83 U     | <0.983 U    |
| 1,3-Butadiene             | NS                       | <3.0                     | NS                                | 5.71        | 27.4        | 4.67        | <0.442 U    |
| 1,3-Dichlorobenzene       | NS                       | <2.4                     | NS                                | <12 U       | <12 U       | <12 U       | <1.2 U      |
| 1,4-Dichlorobenzene       | 3.66                     | 5.5                      | NS                                | <12 U       | <12 U       | <12 U       | <1.2 U      |
| 1,4-Dioxane               | NS                       | NS                       | NS                                | <7.21 U     | <7.21 U     | <7.21 U     | <0.721 U    |
| 2,2,4-Trimethylpentane    | NS                       | NS                       | NS                                | <9.34 U     | <9.34 U     | 13.7        | <0.934 U    |
| 2-Butanone                | NS                       | 12                       | NS                                | 44.2        | 77.3        | 13.2        | 2.69        |
| 2-Hexanone                | NS                       | NS                       | NS                                | <8.2        | <8.2 U      | <8.2 U      | <0.82 U     |
| 3-Chloropropene           | NS                       | NS                       | NS                                | <6.26       | <6.26 U     | <6.26 U     | <0.626 U    |
| 4-Ethyltoluene            | NS                       | 3.6                      | NS                                | 25.8        | <9.83 U     | 14.9        | <0.983 U    |
| 4-Methyl-2-pentanone      | NS                       | 6                        | NS                                | 18.2        | <8.2 U      | 90.6        | <0.82 U     |
| Acetone                   | 45.8                     | 98.9                     | NS                                | 919         | 1,340       | 784         | 21.4        |
| Benzene                   | 10                       | 9.4                      | NS                                | 45.7        | 415         | 51.4        | <0.639 U    |
| Benzyl chloride           | NS                       | <6.8                     | NS                                | <10.4       | <10.4 U     | <10.4 U     | <1.04 U     |
| Bromodichloromethane      | NS                       | NS                       | NS                                | <13.4       | <13.4 U     | <13.4 U     | <1.34 U     |
| Bromoform                 | NS                       | NS                       | NS                                | <20.7       | <20.7 U     | <20.7 U     | <2.07 U     |
| Bromomethane              | NS                       | <1.7                     | NS                                | <7.77       | <7.77 U     | <7.77 U     | <0.777 U    |
| Carbon disulfide          | NS                       | 4.2                      | NS                                | 7.66        | 31.4        | <6.23 U     | <0.623 U    |
| Carbon tetrachloride      | 1.1                      | <1.3                     | NS                                | <12.6 U     | <12.6 U     | <12.6 U     | <1.26 U     |
| Chlorobenzene             | NS                       | <0.9                     | NS                                | <9.21 U     | <9.21 U     | <9.21 U     | <0.921 U    |
| Chloroethane              | NS                       | <1.1                     | NS                                | <5.28 U     | <5.28 U     | <5.28 U     | <0.528 U    |
| Chloroform                | 6.34                     | 1.1                      | NS                                | <9.77 U     | <9.77 U     | <9.77 U     | <0.977 U    |
| Chloromethane             | NS                       | 3.7                      | NS                                | <4.13 U     | <4.13 U     | <4.13 U     | 1.27        |
| cis-1,2-Dichloroethene    | NS                       | <1.9                     | NS                                | <7.93 U     | <7.93 U     | <7.93 U     | <0.793 U    |
| cis-1,3-Dichloropropene   | NS                       | <2.3                     | NS                                | <9.08 U     | <9.08 U     | <9.08 U     | <0.908 U    |
| Cyclohexane               | NS                       | NS                       | NS                                | <6.88 U     | 871         | 10          | <0.688 U    |
| Dibromochloromethane      | NS                       | NS                       | NS                                | <17 U       | <17 U       | <17 U       | <1.7 U      |
| Dichlorodifluoromethane   | NS                       | 16.5                     | NS                                | <9.89 U     | <9.89 U     | <9.89 U     | 2.76        |
| Ethanol                   | NS                       | 210                      | NS                                | 80.1        | 157         | 298         | 12.8        |
| Ethyl Acetate             | NS                       | 5.4                      | NS                                | <18 U       | <18 U       | <18 U       | <1.8 U      |
| Ethylbenzene              | 7.62                     | 5.7                      | NS                                | 60.8        | 131         | 49.1        | <0.869 U    |
| Freon-113                 | NS                       | 3.5                      | NS                                | <15.3 U     | <15.3 U     | <15.3 U     | <1.53 U     |
| Freon-114                 | NS                       | NS                       | NS                                | <14 U       | <14 U       | <14 U       | <1.4 U      |
| Heptane                   | NS                       | NS                       | NS                                | 67.2        | 2130        | 68.8        | <0.82 U     |
| Hexachlorobutadiene       | NS                       | <6.8                     | NS                                | <21.3 U     | <21.3 U     | <21.3 U     | <2.13 U     |
| Isopropanol               | NS                       | 250                      | NS                                | <12.3 U     | <12.3 U     | <12.3 U     | 1.5         |
| Methyl tert butyl ether   | 36                       | 11.5                     | NS                                | <7.21 U     | <7.21 U     | <7.21 U     | <0.721 U    |
| Methylene chloride        | 7.5                      | 10                       | 60                                | <34.7 U     | <34.7 U     | <34.7 U     | 18.8        |
| n-Hexane                  | NS                       | 10.2                     | NS                                | 110         | 1,090       | 138         | 0.878       |
| o-Xylene                  | 7.24                     | 7.9                      | NS                                | 47.8        | 79.5        | 34.3        | <0.869 U    |
| p/m-Xylene                | 22.2                     | 22.2                     | NS                                | 261         | 434         | 198         | <1.74 U     |
| Propylene                 | NS                       | NS                       | NS                                | 77.8        | 534         | 59.7        | <0.86 U     |
| Styrene                   | 5.13                     | 1.9                      | NS                                | <8.52 U     | <8.52 U     | <8.52 U     | <0.852 U    |
| Tetrachloroethene         | 6.01                     | 15.9                     | 100                               | 61.8        | 34.4        | 86.1        | <1.36 U     |
| Tetrahydrofuran           | NS                       | NS                       | NS                                | <5.9 U      | 8.2         | <5.9 U      | <0.59 U     |
| Toluene                   | 39.8                     | 43                       | NS                                | 445         | 7,390       | 445         | 3.73        |
| trans-1,2-Dichloroethene  | NS                       | NS                       | NS                                | <7.93 U     | <7.93 U     | <7.93 U     | <0.793 U    |
| trans-1,3-Dichloropropene | NS                       | <1.3                     | NS                                | <9.08 U     | <9.08 U     | <9.08 U     | <0.908 U    |
| Trichloroethene           | 1.36                     | 4.2                      | 5                                 | <10.7 U     | <10.7 U     | 108         | <1.07 U     |
| Trichlorofluoromethane    | NS                       | 18.1                     | NS                                | <11.2 U     | <11.2 U     | <11.2 U     | 1.64        |
| Vinyl acetate             | NS                       | NS                       | NS                                | <7.04 U     | <7.04 U     | <7.04 U     | <0.704 U    |
| Vinyl bromide             | NS                       | NS                       | NS                                | <8.74 U     | <8.74 U     | <8.74 U     | <0.874 U    |
| Vinyl chloride            | NS                       | <1.9                     | NS                                | <5.11 U     | <5.11 U     | <5.11 U     | <0.511 U    |

Exceedances marked by EPA 2001 BASE 90th percentile standard.

**Tables 1-3**  
**264 North 10th Street**  
**Brooklyn, NY**  
Analytical Results  
Notes

**GENERAL**

- NS** : No soil cleanup objective listed.
- U** : The analyte was not detected at the indicated concentration.
- NA** : Not analyzed.
- ND** : Not detected.

Exceedences are highlighted in bold font.

**SOIL**

**Part 375 Soil Cleanup Objectives** : Soil Clean-up Objectives listed in NYSDEC (New York State Department of Environmental Conservation) "Part 375" Regulations (6 NYCRR Part 375).

**mg/kg** : milligrams per kilogram = parts per million (ppm)

**GROUNDWATER**

**NYSDEC Class GA Ambient Standard** : New York State Department of Environmental Conservation Technical and Operational Guidance Series (1.1.1): Class GA Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations.

**J** : The concentration given is an estimated value.

**µg/L** : micrograms per Liter = parts per billion (ppb)

**SOIL VAPOR**

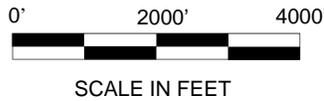
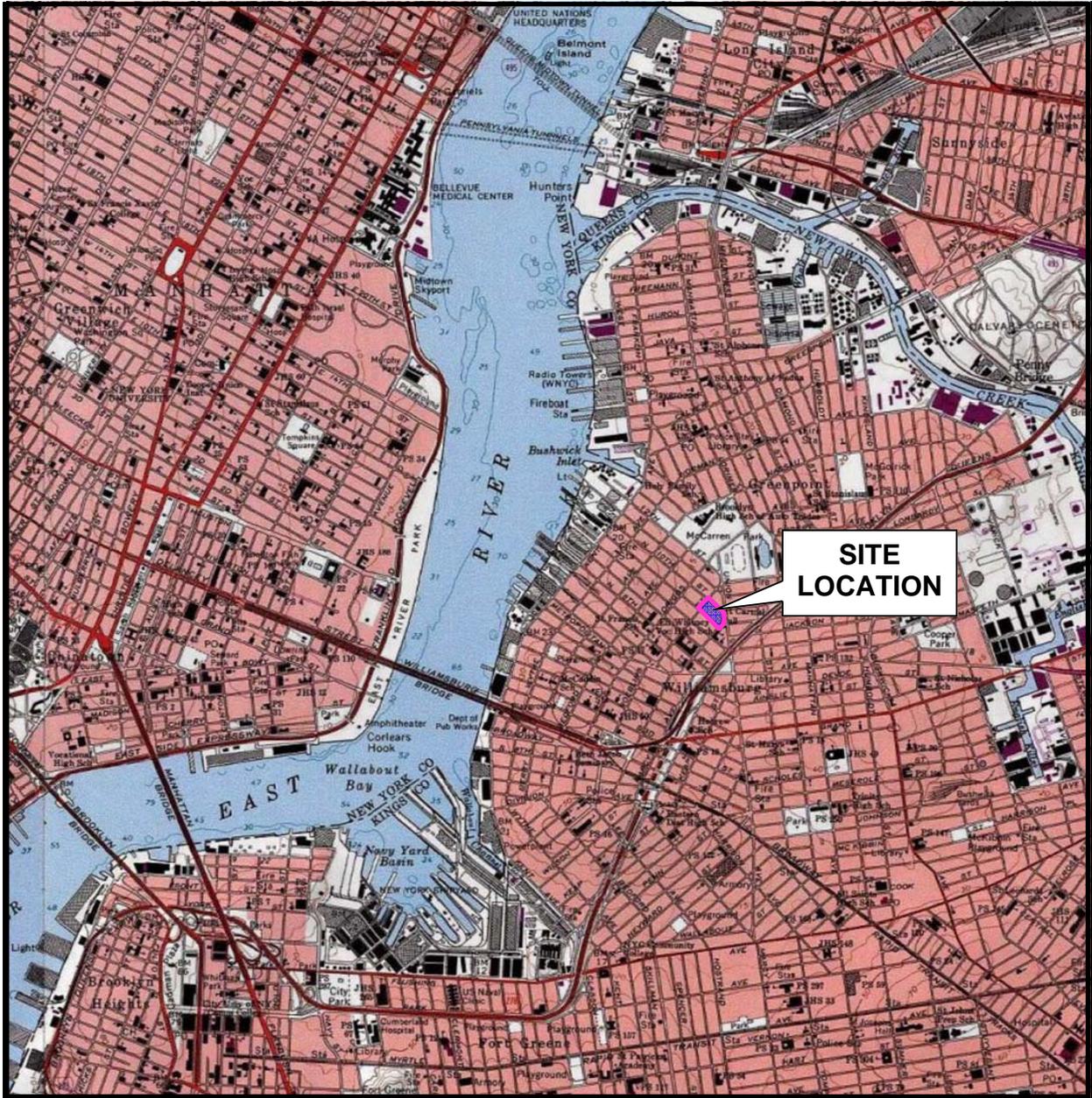
**µg/m<sup>3</sup>** : micrograms per cubic meter of air

**EPA 2001 BASE 90th percentile** : 90th Percentile indoor air values from "Table C-2. EPA 2001: Building Assessment and Survey Evaluation (BASE) Database, SUMMA canister method", published in the NYSDOH Soil Vapor Intrusion Guidance Document, Appendix C" (October 2006).

**NYSDOH Soil Vapor Intrusion Air Guidance Value** : NYSDOH Air Guideline Values (AGVs) presented in the Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York, dated October 2006 ("NYSDOH Vapor Intrusion Guidance Document").

**HEI RIOPA 2005 95th percentile** : 95th Percentile Indoor Air Values from Table C-5, Health Effects Institute (HEI) 2005: Relationship of Indoor, Outdoor and Personal Air, published in the NYSDOH Soil Vapor Intrusion Guidance Document, Appendix C" (October 2006).

## FIGURES



**SOURCE:**  
7.5 MINUTE SERIES USGS TOPOGRAPHIC MAP  
QUADRANGLE: BROOKLYN, NY 2010



**264 NORTH 10TH STREET  
BROOKLYN, NEW YORK**

**PROJECT SITE LOCATION**



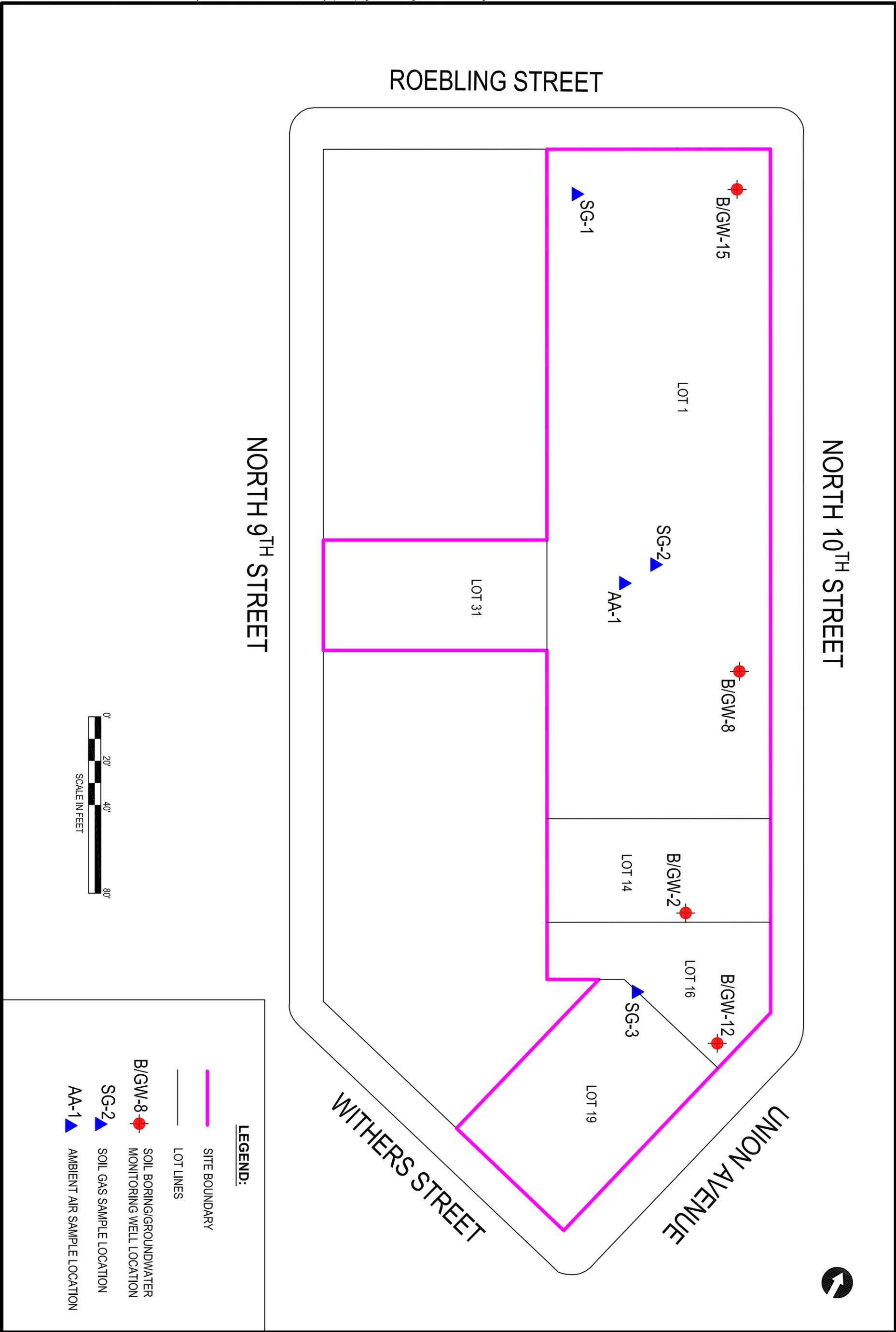
**Environmental Consultants**  
440 Park Avenue South, New York, N.Y. 10016

DATE  
**9.9.11**

PROJECT No.  
**11338**

SCALE  
**as shown**

FIGURE  
**1**



|                                                                                                      |                                                                                                |                                                                                                                                   |  |
|------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|--|
| <p><b>264 NORTH 10<sup>TH</sup> STREET</b><br/>BROOKLYN, NEW YORK</p> <p><b>SITE PLAN DETAIL</b></p> | <p><b>AKRF</b><br/>Environmental Consultants<br/>440 Park Avenue South, New York, NY 10016</p> | <p>DATE<br/><b>09.06.2011</b></p> <p>PROJECT NO.<br/><b>11338</b></p> <p>SCALE<br/><b>as shown</b></p> <p>FIGURE<br/><b>2</b></p> |  |
|------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|--|

**APPENDIX A**  
**PHOTOGRAPHIC DOCUMENTATION**



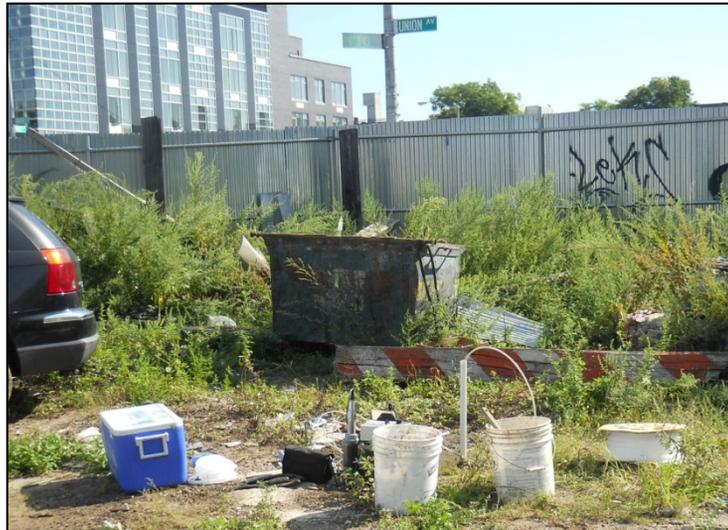
**Photograph 1.** Drilling activities at soil boring location B/GW-12.



**Photograph 2.** Drilling activities at soil boring location B/GW-15.



**Photograph 3.** Soil gas and ambient air samples SG-2 and AA-1.



**Photograph 4.** Groundwater sampling at boring location B/GW-12.

**APPENDIX B**  
**SOIL BORING LOGS**

| SOIL BORING LOG                                                                                                                                                 |                   | 264 North 10th Street, Brooklyn, NY<br>AKRF Project Number: 11338                                                                                                                              |          | Boring No. <b>B/GW-2</b><br>Sheet 1 of 1                                                                                                    |     |      |                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------------------------------------------------------------------------------------------------------------------------------------|-----|------|------------------------------------|
| <br>440 Park Avenue South, New York, NY<br>Phone (212) 696-0670 Fax (212) 726- |                   | <b>Drilling Method:</b> Direct Push Probe<br><b>Sampling Method:</b> Macrocore<br><b>Driller :</b> Zebra<br><b>Weather:</b> Clear- 80° F<br><b>Sampler:</b> AKRF/Steve Grens                   |          | <b>Drilling</b><br><b>Start</b> _____ <b>Finish</b> _____<br><b>Time</b> 13:40 <b>Time</b> 14:40<br><b>Date</b> 8/31/11 <b>Date</b> 8/31/11 |     |      |                                    |
|                                                                                                                                                                 |                   | <b>Surface Condition:</b> TOP SOIL                                                                                                                                                             |          |                                                                                                                                             |     |      |                                    |
| Depth (feet)                                                                                                                                                    | Recovery (Inches) |                                                                                                                                                                                                | Odor     | Moisture                                                                                                                                    | PID | NAPL | Samples Collected for Lab Analysis |
| 1                                                                                                                                                               | 50"               | Top 42": ASH, GLASS, FELT PAPER, BRICK, COAL SLAG, trace Silt (FILL).<br>Bottom 8": Gray SILTY SAND, trace fine Gravel.                                                                        | No Odor  | Dry                                                                                                                                         | ND  | ND   |                                    |
| 2                                                                                                                                                               |                   |                                                                                                                                                                                                | No Odor  | Dry                                                                                                                                         | ND  | ND   |                                    |
| 3                                                                                                                                                               |                   |                                                                                                                                                                                                | No Odor  | Dry                                                                                                                                         | ND  | ND   |                                    |
| 4                                                                                                                                                               |                   |                                                                                                                                                                                                | No Odor  | Dry                                                                                                                                         | ND  | ND   |                                    |
| 5                                                                                                                                                               |                   |                                                                                                                                                                                                | No Odor  | Dry                                                                                                                                         | ND  | ND   |                                    |
| 6                                                                                                                                                               | 49"               | Gray SILTY SAND, trace fine Gravel.                                                                                                                                                            | Organics | Wet                                                                                                                                         | ND  | ND   | B-2 (6'-8')                        |
| 7                                                                                                                                                               |                   |                                                                                                                                                                                                | Organics | Wet                                                                                                                                         | ND  | ND   |                                    |
| 8                                                                                                                                                               |                   |                                                                                                                                                                                                | Organics | Wet                                                                                                                                         | ND  | ND   |                                    |
| 9                                                                                                                                                               |                   |                                                                                                                                                                                                | Organics | Wet                                                                                                                                         | ND  | ND   |                                    |
| 10                                                                                                                                                              |                   |                                                                                                                                                                                                | Organics | Wet                                                                                                                                         | ND  | ND   |                                    |
| 11                                                                                                                                                              | 14"               | Black SILTY SAND, some fine Gravel.                                                                                                                                                            | Organics | Wet                                                                                                                                         | ND  | ND   |                                    |
| 12                                                                                                                                                              |                   |                                                                                                                                                                                                | Organics | Wet                                                                                                                                         | ND  | ND   |                                    |
| 13                                                                                                                                                              |                   |                                                                                                                                                                                                |          |                                                                                                                                             |     |      |                                    |
| 14                                                                                                                                                              |                   |                                                                                                                                                                                                |          |                                                                                                                                             |     |      |                                    |
| 15                                                                                                                                                              |                   |                                                                                                                                                                                                |          |                                                                                                                                             |     |      |                                    |
| 16                                                                                                                                                              |                   | End of boring at 15 feet below grade.<br>Groundwater encountered in liner at approximately 5 feet below grade.<br>Groundwater encountered in 1" PVC groundwater well at 3.04 feet below grade. |          |                                                                                                                                             |     |      |                                    |
| 17                                                                                                                                                              |                   |                                                                                                                                                                                                |          |                                                                                                                                             |     |      |                                    |
| 18                                                                                                                                                              |                   |                                                                                                                                                                                                |          |                                                                                                                                             |     |      |                                    |
| 19                                                                                                                                                              |                   |                                                                                                                                                                                                |          |                                                                                                                                             |     |      |                                    |
| 20                                                                                                                                                              |                   |                                                                                                                                                                                                |          |                                                                                                                                             |     |      |                                    |
| <b>Notes:</b><br>Soil samples analyzed for copper and mercury.<br>ND= None Detected/PID=Photoionization Detector/NAPL=Non-Aqueous Phase Liquid                  |                   |                                                                                                                                                                                                |          |                                                                                                                                             |     |      |                                    |

| SOIL BORING LOG                                                                                                                                                 |                   | 264 North 10th Street, Brooklyn, NY<br>AKRF Project Number: 11338                                                                                                            |  | Boring No. <b>B/GW-8</b><br>Sheet 1 of 1 |          |              |      |                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------|----------|--------------|------|------------------------------------|
| <br>440 Park Avenue South, New York, NY<br>Phone (212) 696-0670 Fax (212) 726- |                   | <b>Drilling Method:</b> Direct Push Probe<br><b>Sampling Method:</b> Macrocore<br><b>Driller :</b> Zebra<br><b>Weather:</b> Clear- 80° F<br><b>Sampler:</b> AKRF/Steve Grens |  | Drilling                                 |          |              |      |                                    |
|                                                                                                                                                                 |                   |                                                                                                                                                                              |  | Start                                    |          | Finish       |      |                                    |
|                                                                                                                                                                 |                   |                                                                                                                                                                              |  | Time 12:35                               |          | Time 13:00   |      |                                    |
|                                                                                                                                                                 |                   |                                                                                                                                                                              |  | Date 7/21/11                             |          | Date 7/21/11 |      |                                    |
| Depth (feet)                                                                                                                                                    | Recovery (Inches) | Surface Condition: TOP SOIL                                                                                                                                                  |  | Odor                                     | Moisture | PID          | NAPL | Samples Collected for Lab Analysis |
| 1                                                                                                                                                               | 40"               | Top 2": Brown fine SAND, SILT and ORGANICS (TOP SOIL).                                                                                                                       |  | No Odor                                  | Dry      | ND           | ND   |                                    |
| 2                                                                                                                                                               |                   | Middle 8": BRICK (FILL).                                                                                                                                                     |  | No Odor                                  | Dry      | ND           | ND   |                                    |
| 3                                                                                                                                                               |                   | Middle 10": Brown fine SAND, SILT and fine GRAVEL.                                                                                                                           |  | No Odor                                  | Dry      | ND           | ND   |                                    |
| 4                                                                                                                                                               |                   | Bottom 20": Black SILTY SAND, some Gravel, Wood, Coal Slag (FILL).                                                                                                           |  | No Odor                                  | Dry      | ND           | ND   |                                    |
| 5                                                                                                                                                               |                   |                                                                                                                                                                              |  | No Odor                                  | Dry      | ND           | ND   |                                    |
| 6                                                                                                                                                               | 52"               | Top 21": Black SILTY SAND, some Gravel, Wood, Coal Slag (FILL).                                                                                                              |  | No Odor                                  | Dry      | ND           | ND   | B-8 (6'-8')                        |
| 7                                                                                                                                                               |                   | Bottom 31": Black SILTY SAND, some fine Gravel, trace Sea Shells (FILL).                                                                                                     |  | No Odor                                  | Dry      | ND           | ND   |                                    |
| 8                                                                                                                                                               |                   |                                                                                                                                                                              |  | No Odor                                  | Dry      | ND           | ND   |                                    |
| 9                                                                                                                                                               |                   |                                                                                                                                                                              |  | Organics                                 | Wet      | ND           | ND   | B-8 (8'-10')                       |
| 10                                                                                                                                                              |                   |                                                                                                                                                                              |  | Organics                                 | Wet      | ND           | ND   |                                    |
| 11                                                                                                                                                              | 10"               | Black SILTY SAND, some fine Gravel, trace Sea Shells (FILL).                                                                                                                 |  | Organics                                 | Wet      | ND           | ND   |                                    |
| 12                                                                                                                                                              |                   |                                                                                                                                                                              |  |                                          |          |              |      |                                    |
| 13                                                                                                                                                              |                   |                                                                                                                                                                              |  |                                          |          |              |      |                                    |
| 14                                                                                                                                                              |                   |                                                                                                                                                                              |  |                                          |          |              |      |                                    |
| 15                                                                                                                                                              |                   |                                                                                                                                                                              |  |                                          |          |              |      |                                    |
| 16                                                                                                                                                              |                   | End of boring at 15 feet below grade.                                                                                                                                        |  |                                          |          |              |      |                                    |
| 17                                                                                                                                                              |                   | Groundwater encountered in liner at approximately 8 feet below grade.                                                                                                        |  |                                          |          |              |      |                                    |
| 18                                                                                                                                                              |                   | Groundwater encountered in 1" PVC groundwater well at 3.1 feet below grade.                                                                                                  |  |                                          |          |              |      |                                    |
| 19                                                                                                                                                              |                   |                                                                                                                                                                              |  |                                          |          |              |      |                                    |
| 20                                                                                                                                                              |                   |                                                                                                                                                                              |  |                                          |          |              |      |                                    |
| <b>Notes:</b><br>Soil samples analyzed for mercury.<br>ND= None Detected/PID=Photoionization Detector/NAPL=Non-Aqueous Phase Liquid                             |                   |                                                                                                                                                                              |  |                                          |          |              |      |                                    |

| SOIL BORING LOG                                                                                                                                                 |                   | 264 North 10th Street, Brooklyn, NY<br>AKRF Project Number: 11338                                                                                                            |  | Boring No. <b>B/GW-12</b><br>Sheet 1 of 1 |          |                     |      |                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------|----------|---------------------|------|------------------------------------|
| <br>440 Park Avenue South, New York, NY<br>Phone (212) 696-0670 Fax (212) 726- |                   | <b>Drilling Method:</b> Direct Push Probe<br><b>Sampling Method:</b> Macrocore<br><b>Driller :</b> Zebra<br><b>Weather:</b> Clear- 80° F<br><b>Sampler:</b> AKRF/Steve Grens |  | <b>Drilling</b>                           |          |                     |      |                                    |
|                                                                                                                                                                 |                   |                                                                                                                                                                              |  | <b>Start</b>                              |          | <b>Finish</b>       |      |                                    |
|                                                                                                                                                                 |                   |                                                                                                                                                                              |  | <b>Time</b> 08:40                         |          | <b>Time</b> 09:30   |      |                                    |
|                                                                                                                                                                 |                   |                                                                                                                                                                              |  | <b>Date</b> 8/31/11                       |          | <b>Date</b> 8/31/11 |      |                                    |
| Depth (feet)                                                                                                                                                    | Recovery (Inches) | Surface Condition: TOP SOIL                                                                                                                                                  |  | Odor                                      | Moisture | PID                 | NAPL | Samples Collected for Lab Analysis |
| 1                                                                                                                                                               | 48"               | Top 6": Brown fine SAND and GRAVEL.                                                                                                                                          |  | No Odor                                   | Dry      | ND                  | ND   |                                    |
| 2                                                                                                                                                               |                   | Middle 20": Brown fine SAND and GRAVEL, some Silt, trace Coal Slag (FILL).                                                                                                   |  | No Odor                                   | Dry      | ND                  | ND   |                                    |
| 3                                                                                                                                                               |                   | Bottom 22": Brown/tan SILTY SAND, some fine Gravel.                                                                                                                          |  | No Odor                                   | Dry      | ND                  | ND   |                                    |
| 4                                                                                                                                                               |                   |                                                                                                                                                                              |  | No Odor                                   | Dry      | ND                  | ND   |                                    |
| 5                                                                                                                                                               |                   |                                                                                                                                                                              |  | No Odor                                   | Dry      | ND                  | ND   |                                    |
| 6                                                                                                                                                               | 46"               | Top 18": Brown fine SAND, SILT and fine GRAVEL.                                                                                                                              |  | No Odor                                   | Dry      | ND                  | ND   | B-12 (6'-8')                       |
| 7                                                                                                                                                               |                   | Middle 8": CONCRETE, BRICK, COAL, some brown fine Sand, Silt.                                                                                                                |  | No Odor                                   | Dry      | ND                  | ND   |                                    |
| 8                                                                                                                                                               |                   | Bottom 20": Dark gray/black SILT, trace Brick, fine Gravel (FILL).                                                                                                           |  | No Odor                                   | Dry      | ND                  | ND   | B-12 (8'-10')                      |
| 9                                                                                                                                                               |                   |                                                                                                                                                                              |  | No Odor                                   | Dry      | ND                  | ND   |                                    |
| 10                                                                                                                                                              |                   |                                                                                                                                                                              |  | No Odor                                   | Dry      | ND                  | ND   |                                    |
| 11                                                                                                                                                              | 41"               | Gray/brown SILT, some fine Sand, trace fine Gravel.                                                                                                                          |  | No Odor                                   | Wet      | ND                  | ND   | B-12 (10'-12')(HOLD)               |
| 12                                                                                                                                                              |                   |                                                                                                                                                                              |  | No Odor                                   | Wet      | ND                  | ND   |                                    |
| 13                                                                                                                                                              |                   |                                                                                                                                                                              |  | No Odor                                   | Wet      | ND                  | ND   |                                    |
| 14                                                                                                                                                              |                   |                                                                                                                                                                              |  | No Odor                                   | Wet      | ND                  | ND   |                                    |
| 15                                                                                                                                                              |                   |                                                                                                                                                                              |  | No Odor                                   | Wet      | ND                  | ND   |                                    |
| 16                                                                                                                                                              |                   | End of boring at 15 feet below grade.                                                                                                                                        |  |                                           |          |                     |      |                                    |
| 17                                                                                                                                                              |                   | Groundwater encountered in liner at approximately 10 feet below grade.                                                                                                       |  |                                           |          |                     |      |                                    |
| 18                                                                                                                                                              |                   | Groundwater encountered in 1" PVC groundwater well at 4.9 feet below grade.                                                                                                  |  |                                           |          |                     |      |                                    |
| 19                                                                                                                                                              |                   |                                                                                                                                                                              |  |                                           |          |                     |      |                                    |
| 20                                                                                                                                                              |                   |                                                                                                                                                                              |  |                                           |          |                     |      |                                    |
| <b>Notes:</b><br>Soil samples analyzed for arsenic and mercury.<br>ND= None Detected/PID=Photoionization Detector/NAPL=Non-Aqueous Phase Liquid                 |                   |                                                                                                                                                                              |  |                                           |          |                     |      |                                    |

| SOIL BORING LOG                                                                                                                                                       |                   | 264 North 10th Street, Brooklyn, NY<br>AKRF Project Number: 11338                                                                                                                             |  | Boring No. <b>B/GW-15</b><br>Sheet 1 of 1 |          |                     |      |                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------|----------|---------------------|------|------------------------------------|
| <br>440 Park Avenue South, New York, NY<br>Phone (212) 696-0670 Fax (212) 726-       |                   | <b>Drilling Method:</b> Direct Push Probe<br><b>Sampling Method:</b> Macrocore<br><b>Driller :</b> Zebra<br><b>Weather:</b> Clear- 80° F<br><b>Sampler:</b> AKRF/Steve Grens                  |  | <b>Drilling</b>                           |          |                     |      |                                    |
|                                                                                                                                                                       |                   |                                                                                                                                                                                               |  | <b>Start</b>                              |          | <b>Finish</b>       |      |                                    |
|                                                                                                                                                                       |                   |                                                                                                                                                                                               |  | <b>Time</b> 11:38                         |          | <b>Time</b> 12:10   |      |                                    |
|                                                                                                                                                                       |                   |                                                                                                                                                                                               |  | <b>Date</b> 8/31/11                       |          | <b>Date</b> 8/31/11 |      |                                    |
| Depth (feet)                                                                                                                                                          | Recovery (Inches) | Surface Condition: TOP SOIL                                                                                                                                                                   |  | Odor                                      | Moisture | PID                 | NAPL | Samples Collected for Lab Analysis |
| 1                                                                                                                                                                     | 52"               | Top 2": Brown fine SAND, SILT and GRAVEL.<br>Bottom 50": ASH, GLASS, COAL, COAL SLAG), trace brown Silty Sand (FILL).                                                                         |  | No Odor                                   | Dry      | ND                  | ND   |                                    |
| 2                                                                                                                                                                     |                   |                                                                                                                                                                                               |  | No Odor                                   | Dry      | ND                  | ND   |                                    |
| 3                                                                                                                                                                     |                   |                                                                                                                                                                                               |  | No Odor                                   | Dry      | ND                  | ND   |                                    |
| 4                                                                                                                                                                     |                   |                                                                                                                                                                                               |  | No Odor                                   | Dry      | ND                  | ND   |                                    |
| 5                                                                                                                                                                     |                   |                                                                                                                                                                                               |  | No Odor                                   | Dry      | ND                  | ND   |                                    |
| 6                                                                                                                                                                     | 56"               | Top 36": Brown fine SAND and SILT, some Brick, Coal Slag, trace fine Gravel (FILL).<br>Bottom 20": Dark gray/black SILT, some fine Sand, Coal, Coal Slag, Glass, Brick, Sea Shells (FILL).    |  | No Odor                                   | Dry      | ND                  | ND   | B-15 (5'-7')                       |
| 7                                                                                                                                                                     |                   |                                                                                                                                                                                               |  | No Odor                                   | Dry      | ND                  | ND   |                                    |
| 8                                                                                                                                                                     |                   |                                                                                                                                                                                               |  | No Odor                                   | Dry      | ND                  | ND   | B-15 (7'-9')                       |
| 9                                                                                                                                                                     |                   |                                                                                                                                                                                               |  | Organics                                  | Wet      | ND                  | ND   |                                    |
| 10                                                                                                                                                                    |                   |                                                                                                                                                                                               |  | Organics                                  | Wet      | ND                  | ND   |                                    |
| 11                                                                                                                                                                    | 24"               | Dark gray/black SILT, some fine Sand, Coal, Coal Slag, Glass, Brick, Sea Shells (FILL).                                                                                                       |  | No Odor                                   | Wet      | ND                  | ND   | B-15 (9'-11')(HOLD)                |
| 12                                                                                                                                                                    |                   |                                                                                                                                                                                               |  | No Odor                                   | Wet      | ND                  | ND   |                                    |
| 13                                                                                                                                                                    |                   |                                                                                                                                                                                               |  | No Odor                                   | Wet      | ND                  | ND   |                                    |
| 14                                                                                                                                                                    |                   |                                                                                                                                                                                               |  | No Odor                                   | Wet      | ND                  | ND   |                                    |
| 15                                                                                                                                                                    |                   |                                                                                                                                                                                               |  | No Odor                                   | Wet      | ND                  | ND   |                                    |
| 16                                                                                                                                                                    |                   | End of boring at 15 feet below grade.<br>Groundwater encountered in liner at approximately 8 feet below grade.<br>Groundwater encountered in 1" PVC groundwater well at 4.1 feet below grade. |  |                                           |          |                     |      |                                    |
| 17                                                                                                                                                                    |                   |                                                                                                                                                                                               |  |                                           |          |                     |      |                                    |
| 18                                                                                                                                                                    |                   |                                                                                                                                                                                               |  |                                           |          |                     |      |                                    |
| 19                                                                                                                                                                    |                   |                                                                                                                                                                                               |  |                                           |          |                     |      |                                    |
| 20                                                                                                                                                                    |                   |                                                                                                                                                                                               |  |                                           |          |                     |      |                                    |
| <b>Notes:</b><br>Soil samples analyzed for cadmium, copper, barium, lead and mercury.<br>ND= None Detected/PID=Photoionization Detector/NAPL=Non-Aqueous Phase Liquid |                   |                                                                                                                                                                                               |  |                                           |          |                     |      |                                    |

**APPENDIX C**  
**SOIL GAS LOGS**

**Job No:** 11338 **Client:** 250 North 10<sup>th</sup> Street, LLC  
264 North 10<sup>th</sup> Street,  
**Project Location:** Brooklyn, NY **Sampled By:** Steve Grens  
**Date:** 8/31/11

**Sample ID:** AA-1  
**Canister ID:** 904  
**Flow Controller ID:** 0435

### Purging

**Time Started:** NA  
**Time Stopped:** NA  
**Vol. Purged:** NA liters  
**Flow Rate:** NA L/min

### Laboratory Sample (Summa Canister)

**Time Started:** 11:00 **Vacuum:** -29.51 inHg  
**Time Stopped:** 13:00 **Vacuum:** -6.47 inHg

### Field Sample

**PID Calibration:** 101.2 ppm  
**Time Started:** 08:15  
**Time Stopped:** NA  
**PID Reading:** ND ppm  
**He Reading** NA%

**Job No:** 11338 **Client:** 250 North 10<sup>th</sup> Street, LLC  
264 North 10<sup>th</sup> Street,  
**Project Location:** Brooklyn, NY **Sampled By:** Steve Grens  
**Date:** 8/31/11

**Sample ID:** SG-1  
**Canister ID:** 1669  
**Flow Controller ID:** 0166

### Purging

**Time Started:** 11:04  
**Time Stopped:** 11:14  
**Vol. Purged:** 1 liters  
**Flow Rate:** 0.1 L/min

### Laboratory Sample (Summa Canister)

**Time Started:** 11:15 **Vacuum:** -29.32 inHg  
**Time Stopped:** 13:15 **Vacuum:** -6.54 inHg

### Field Sample

**PID Calibration:** 101.2 ppm  
**Time Started:** 08:15  
**Time Stopped:** NA  
**PID Reading:** ND ppm  
**He Reading** NA%

**Job No:** 11338 **Client:** 250 North 10<sup>th</sup> Street, LLC  
264 North 10<sup>th</sup> Street,  
**Project Location:** Brooklyn, NY **Sampled By:** Steve Grens  
**Date:** 8/31/11

**Sample ID:** SG-2  
**Canister ID:** 1513  
**Flow Controller ID:** 0365

### Purging

**Time Started:** 10:50  
**Time Stopped:** 11:00  
**Vol. Purged:** 1 liters  
**Flow Rate:** 0.1 L/min

### Laboratory Sample (Summa Canister)

**Time Started:** 11:02 **Vacuum:** -30.75 inHg  
**Time Stopped:** 13:02 **Vacuum:** -9.85 inHg

### Field Sample

**PID Calibration:** 101.2 ppm  
**Time Started:** 08:15  
**Time Stopped:** NA  
**PID Reading:** ND ppm  
**He Reading** NA%

**Job No:** 11338 **Client:** 250 North 10<sup>th</sup> Street, LLC  
264 North 10<sup>th</sup> Street,  
**Project Location:** Brooklyn, NY **Sampled By:** Steve Grens  
**Date:** 8/31/11

**Sample ID:** SG-3  
**Canister ID:** 608  
**Flow Controller ID:** 0322

### Purging

**Time Started:** 10:25  
**Time Stopped:** 10:35  
**Vol. Purged:** 1 liters  
**Flow Rate:** 0.1 L/min

### Laboratory Sample (Summa Canister)

**Time Started:** 10:46 **Vacuum:** -31.7 inHg  
**Time Stopped:** 12:46 **Vacuum:** -8.52 inHg

### Field Sample

**PID Calibration:** 101.2 ppm  
**Time Started:** 08:15  
**Time Stopped:** NA  
**PID Reading:** ND ppm  
**He Reading** NA%

**APPENDIX D**  
**WELL SAMPLING LOGS**



# Well Sampling Log

| <b>Job No:</b> 11338                                                     |                      | <b>Client:</b> 250 North 10 <sup>th</sup> Street, LLC          |           | <b>Well No:</b><br><br><b>GW-2</b> |              |                  |           |                 |                                        |
|--------------------------------------------------------------------------|----------------------|----------------------------------------------------------------|-----------|------------------------------------|--------------|------------------|-----------|-----------------|----------------------------------------|
| <b>Project Location:</b> 264 North 10 <sup>th</sup> Street, Brooklyn, NY |                      | <b>Sampled By:</b> SG                                          |           |                                    |              |                  |           |                 |                                        |
| <b>Date:</b> 8/31/2011                                                   |                      | <b>Sampling Time:</b> 14:30                                    |           |                                    |              |                  |           |                 |                                        |
| <b>PID at surface:</b> ND                                                |                      |                                                                |           |                                    |              |                  |           |                 |                                        |
| <b>Total Depth:</b> 12.2 ft. below top of casing                         |                      | <b>Water Column (</b> 9.16 feet                                |           | * = 0.041 * WC for 1" wells        |              |                  |           |                 |                                        |
| <b>Depth to Water:</b> 3.04 ft. below top of casing                      |                      | <b>Well Diameter:</b> 1 inches                                 |           | * = 0.163 * WC for 2" wells        |              |                  |           |                 |                                        |
| <b>Depth to Product:</b> ND                                              |                      | <b>Well Volume*:</b> 1.12 gallons                              |           | * = 0.653 * WC for 4" wells        |              |                  |           |                 |                                        |
| <b>Depth to top of screen:</b> 2.2 ft. below top of casing               |                      | <b>Purging Device (pump type):</b><br>Geopump Peristaltic Pump |           | Flow rate is<br>150 ml/min         |              |                  |           |                 |                                        |
| <b>Depth to bottom of screen:</b> 12.2 ft. below top of casing           |                      |                                                                |           |                                    |              |                  |           |                 |                                        |
| <b>Approx. Pump Intake:</b> 6.7 ft. below top of casing                  |                      | <b>Total Volume Purged:</b> 1.3 gallons                        |           |                                    |              |                  |           |                 |                                        |
| Time                                                                     | Depth to Water (Ft.) | Purge Rate (ml/min)                                            | Temp (°C) | Conductivity (µS/cm)               | DO (mg/L)    | pH               | ORP (mV)  | Turbidity (NTU) | Comments                               |
| 14:15                                                                    | 3.04                 | 150                                                            | 22.2      | 1.25                               | 1.12         | 8.22             | -103      | too high        | No odors or sheen noted on purge water |
| 14:20                                                                    | 3.04                 | 150                                                            | 21.9      | 1.17                               | 0            | 8.53             | -117      | too high        |                                        |
| 14:25                                                                    | 3.04                 | 150                                                            | 21.7      | 1.16                               | 0            | 8.54             | -120      | too high        |                                        |
|                                                                          |                      |                                                                |           |                                    |              |                  |           |                 |                                        |
|                                                                          |                      |                                                                |           |                                    |              |                  |           |                 |                                        |
|                                                                          |                      |                                                                |           |                                    |              |                  |           |                 |                                        |
|                                                                          |                      |                                                                |           |                                    |              |                  |           |                 |                                        |
|                                                                          |                      |                                                                |           |                                    |              |                  |           |                 |                                        |
|                                                                          |                      |                                                                |           |                                    |              |                  |           |                 |                                        |
|                                                                          |                      |                                                                |           |                                    |              |                  |           |                 |                                        |
|                                                                          |                      |                                                                |           |                                    |              |                  |           |                 |                                        |
|                                                                          |                      |                                                                |           |                                    |              |                  |           |                 |                                        |
|                                                                          |                      |                                                                |           |                                    |              |                  |           |                 |                                        |
|                                                                          |                      |                                                                |           |                                    |              |                  |           |                 |                                        |
|                                                                          |                      |                                                                |           |                                    |              |                  |           |                 |                                        |
| <b>Stabilization Criteria:</b>                                           |                      |                                                                |           | +/- 3 mS/cm                        | +/- 0.3 mg/L | +/- 0.1 pH units | +/- 10 mV | <50 NTU         |                                        |

Groundwater samples analyzed for TCL VOCs (EPA method 8260), TCL BN SVOCs (EPA method 8270 BN), TAL metals (EPA method 6000/7000 series), PCBs (EPA method 8082), and pesticides (EPA method 8081).



# Well Sampling Log

| <b>Job No:</b> 11338                                                     |                      | <b>Client:</b> 250 North 10 <sup>th</sup> Street, LLC          |           | <b>Well No:</b><br><br><b>GW-8</b> |              |                  |           |                 |                                        |
|--------------------------------------------------------------------------|----------------------|----------------------------------------------------------------|-----------|------------------------------------|--------------|------------------|-----------|-----------------|----------------------------------------|
| <b>Project Location:</b> 264 North 10 <sup>th</sup> Street, Brooklyn, NY |                      | <b>Sampled By:</b> SG                                          |           |                                    |              |                  |           |                 |                                        |
| <b>Date:</b> 8/31/2011                                                   |                      | <b>Sampling Time:</b> 13:05                                    |           |                                    |              |                  |           |                 |                                        |
| <b>PID at surface:</b> ND                                                |                      |                                                                |           |                                    |              |                  |           |                 |                                        |
| <b>Total Depth:</b> 11.5 ft. below top of casing                         |                      | <b>Water Column (</b> 9.16 feet                                |           | * = 0.041 * WC for 1" wells        |              |                  |           |                 |                                        |
| <b>Depth to Water:</b> 3.1 ft. below top of casing                       |                      | <b>Well Diameter:</b> 1 inches                                 |           | * = 0.163 * WC for 2" wells        |              |                  |           |                 |                                        |
| <b>Depth to Product:</b> ND                                              |                      | <b>Well Volume*:</b> 1 gallons                                 |           | * = 0.653 * WC for 4" wells        |              |                  |           |                 |                                        |
| <b>Depth to top of screen:</b> 1.5 ft. below top of casing               |                      | <b>Purging Device (pump type):</b><br>Geopump Peristaltic Pump |           | Flow rate is<br>150 ml/min         |              |                  |           |                 |                                        |
| <b>Depth to bottom of screen:</b> 11.5 ft. below top of casing           |                      |                                                                |           |                                    |              |                  |           |                 |                                        |
| <b>Approx. Pump Intake:</b> 7.6 ft. below top of casing                  |                      | <b>Total Volume Purged:</b> 1.2 gallons                        |           |                                    |              |                  |           |                 |                                        |
| Time                                                                     | Depth to Water (Ft.) | Purge Rate (ml/min)                                            | Temp (°C) | Conductivity (µS/cm)               | DO (mg/L)    | pH               | ORP (mV)  | Turbidity (NTU) | Comments                               |
| 12:50                                                                    | 3.1                  | 150                                                            | 23.8      | 3.11                               | 4.7          | 8.27             | -105      | too high        | No odors or sheen noted on purge water |
| 12:55                                                                    | 3.1                  | 150                                                            | 22.9      | 3.18                               | 0.01         | 7.93             | -88       | too high        |                                        |
| 13:00                                                                    | 3.1                  | 150                                                            | 22.9      | 3.18                               | 0            | 7.82             | -84       | too high        |                                        |
|                                                                          |                      |                                                                |           |                                    |              |                  |           |                 |                                        |
|                                                                          |                      |                                                                |           |                                    |              |                  |           |                 |                                        |
|                                                                          |                      |                                                                |           |                                    |              |                  |           |                 |                                        |
|                                                                          |                      |                                                                |           |                                    |              |                  |           |                 |                                        |
|                                                                          |                      |                                                                |           |                                    |              |                  |           |                 |                                        |
|                                                                          |                      |                                                                |           |                                    |              |                  |           |                 |                                        |
|                                                                          |                      |                                                                |           |                                    |              |                  |           |                 |                                        |
|                                                                          |                      |                                                                |           |                                    |              |                  |           |                 |                                        |
|                                                                          |                      |                                                                |           |                                    |              |                  |           |                 |                                        |
|                                                                          |                      |                                                                |           |                                    |              |                  |           |                 |                                        |
|                                                                          |                      |                                                                |           |                                    |              |                  |           |                 |                                        |
| <b>Stabilization Criteria:</b>                                           |                      |                                                                |           | +/- 3 mS/cm                        | +/- 0.3 mg/L | +/- 0.1 pH units | +/- 10 mV | <50 NTU         |                                        |

Groundwater samples analyzed for TCL VOCs (EPA method 8260), TCL BN SVOCs (EPA method 8270 BN), TAL metals (EPA method 6000/7000 series), PCBs (EPA method 8082), and pesticides (EPA method 8081).



# Well Sampling Log

| <b>Job No:</b> 11338                                                     |                      | <b>Client:</b> 250 North 10 <sup>th</sup> Street, LLC          |           | <b>Well No:</b><br><br><b>GW-12</b> |              |                  |           |                 |                                        |
|--------------------------------------------------------------------------|----------------------|----------------------------------------------------------------|-----------|-------------------------------------|--------------|------------------|-----------|-----------------|----------------------------------------|
| <b>Project Location:</b> 264 North 10 <sup>th</sup> Street, Brooklyn, NY |                      | <b>Sampled By:</b> SG                                          |           |                                     |              |                  |           |                 |                                        |
| <b>Date:</b> 8/31/2011                                                   |                      | <b>Sampling Time:</b> 10.10                                    |           |                                     |              |                  |           |                 |                                        |
| <b>PID at surface:</b> ND                                                |                      |                                                                |           |                                     |              |                  |           |                 |                                        |
| <b>Total Depth:</b> 13 ft. below top of casing                           |                      | <b>Water Column (</b> 8.1 feet                                 |           | * = 0.041 * WC for 1" wells         |              |                  |           |                 |                                        |
| <b>Depth to Water:</b> 4.9 ft. below top of casing                       |                      | <b>Well Diameter:</b> 1 inches                                 |           | * = 0.163 * WC for 2" wells         |              |                  |           |                 |                                        |
| <b>Depth to Product:</b> ND                                              |                      | <b>Well Volume*:</b> 0.9 gallons                               |           | * = 0.653 * WC for 4" wells         |              |                  |           |                 |                                        |
| <b>Depth to top of screen:</b> 3 ft. below top of casing                 |                      | <b>Purging Device (pump type):</b><br>Geopump Peristaltic Pump |           | Flow rate is<br>150 ml/min          |              |                  |           |                 |                                        |
| <b>Depth to bottom of screen:</b> 13 ft. below top of casing             |                      |                                                                |           |                                     |              |                  |           |                 |                                        |
| <b>Approx. Pump Intake:</b> 9 ft. below top of casing                    |                      | <b>Total Volume Purged:</b> 1.5 gallons                        |           |                                     |              |                  |           |                 |                                        |
| Time                                                                     | Depth to Water (Ft.) | Purge Rate (ml/min)                                            | Temp (°C) | Conductivity (µS/cm)                | DO (mg/L)    | pH               | ORP (mV)  | Turbidity (NTU) | Comments                               |
| 9:55                                                                     | 4.9                  | 150                                                            | 19.8      | 1.24                                | 1.49         | 9.93             | -170      | too high        | No odors or sheen noted on purge water |
| 10:00                                                                    | 4.9                  | 150                                                            | 20.3      | 1.25                                | 1.92         | 9.45             | -145      | too high        |                                        |
| 10:05                                                                    | 4.9                  | 150                                                            | 20.2      | 1.24                                | 2.99         | 9.24             | -142      | too high        |                                        |
|                                                                          |                      |                                                                |           |                                     |              |                  |           |                 |                                        |
|                                                                          |                      |                                                                |           |                                     |              |                  |           |                 |                                        |
|                                                                          |                      |                                                                |           |                                     |              |                  |           |                 |                                        |
|                                                                          |                      |                                                                |           |                                     |              |                  |           |                 |                                        |
|                                                                          |                      |                                                                |           |                                     |              |                  |           |                 |                                        |
|                                                                          |                      |                                                                |           |                                     |              |                  |           |                 |                                        |
|                                                                          |                      |                                                                |           |                                     |              |                  |           |                 |                                        |
|                                                                          |                      |                                                                |           |                                     |              |                  |           |                 |                                        |
|                                                                          |                      |                                                                |           |                                     |              |                  |           |                 |                                        |
|                                                                          |                      |                                                                |           |                                     |              |                  |           |                 |                                        |
|                                                                          |                      |                                                                |           |                                     |              |                  |           |                 |                                        |
| <b>Stabilization Criteria:</b>                                           |                      |                                                                |           | +/- 3 mS/cm                         | +/- 0.3 mg/L | +/- 0.1 pH units | +/- 10 mV | <50 NTU         |                                        |

Groundwater samples analyzed for TCL VOCs (EPA method 8260), TCL BN SVOCs (EPA method 8270 BN), TAL metals (EPA method 6000/7000 series), PCBs (EPA method 8082), and pesticides (EPA method 8081).



# Well Sampling Log

| <b>Job No:</b> 11338                                                     |                      | <b>Client:</b> 250 North 10 <sup>th</sup> Street, LLC          |           | <b>Well No:</b><br><br><b>GW-15</b> |              |                            |           |                 |                                        |
|--------------------------------------------------------------------------|----------------------|----------------------------------------------------------------|-----------|-------------------------------------|--------------|----------------------------|-----------|-----------------|----------------------------------------|
| <b>Project Location:</b> 264 North 10 <sup>th</sup> Street, Brooklyn, NY |                      | <b>Sampled By:</b> SG                                          |           |                                     |              |                            |           |                 |                                        |
| <b>Date:</b> 8/31/2011                                                   |                      | <b>Sampling Time:</b> 12:17                                    |           |                                     |              |                            |           |                 |                                        |
| <b>PID at surface:</b> ND                                                |                      | <b>Total Depth:</b> 11.5 ft. below top of casing               |           | <b>Water Column (</b> 7.4 feet      |              | *= 0.041 * WC for 1" wells |           |                 |                                        |
| <b>Depth to Water:</b> 4.1 ft. below top of casing                       |                      | <b>Well Diameter:</b> 1 inches                                 |           |                                     |              | *= 0.163 * WC for 2" wells |           |                 |                                        |
| <b>Depth to Product:</b> ND                                              |                      | <b>Well Volume*:</b> 0.91 gallons                              |           |                                     |              | *= 0.653 * WC for 4" wells |           |                 |                                        |
| <b>Depth to top of screen:</b> 1.5 ft. below top of casing               |                      | <b>Purging Device (pump type):</b><br>Geopump Peristaltic Pump |           | Flow rate is<br>150 ml/min          |              |                            |           |                 |                                        |
| <b>Depth to bottom of screen:</b> 11.5 ft. below top of casing           |                      |                                                                |           |                                     |              |                            |           |                 |                                        |
| <b>Approx. Pump Intake:</b> 7.6 ft. below top of casing                  |                      | <b>Total Volume Purged:</b> 1.2 gallons                        |           |                                     |              |                            |           |                 |                                        |
| Time                                                                     | Depth to Water (Ft.) | Purge Rate (ml/min)                                            | Temp (°C) | Conductivity (µS/cm)                | DO (mg/L)    | pH                         | ORP (mV)  | Turbidity (NTU) | Comments                               |
| 12:05                                                                    | 4.1                  | 150                                                            | 21.9      | 1.1                                 | 0.81         | 8.87                       | -108      | too high        | No odors or sheen noted on purge water |
| 12:10                                                                    | 4.1                  | 150                                                            | 20.6      | 1.26                                | 0.41         | 8.73                       | -108      | too high        |                                        |
| 12:15                                                                    | 4.4                  | 150                                                            | 20.2      | 1.32                                | 0.78         | 8.78                       | -113      | too high        |                                        |
|                                                                          |                      |                                                                |           |                                     |              |                            |           |                 |                                        |
|                                                                          |                      |                                                                |           |                                     |              |                            |           |                 |                                        |
|                                                                          |                      |                                                                |           |                                     |              |                            |           |                 |                                        |
|                                                                          |                      |                                                                |           |                                     |              |                            |           |                 |                                        |
|                                                                          |                      |                                                                |           |                                     |              |                            |           |                 |                                        |
|                                                                          |                      |                                                                |           |                                     |              |                            |           |                 |                                        |
|                                                                          |                      |                                                                |           |                                     |              |                            |           |                 |                                        |
|                                                                          |                      |                                                                |           |                                     |              |                            |           |                 |                                        |
|                                                                          |                      |                                                                |           |                                     |              |                            |           |                 |                                        |
|                                                                          |                      |                                                                |           |                                     |              |                            |           |                 |                                        |
|                                                                          |                      |                                                                |           |                                     |              |                            |           |                 |                                        |
|                                                                          |                      |                                                                |           |                                     |              |                            |           |                 |                                        |
| <b>Stabilization Criteria:</b>                                           |                      |                                                                |           | +/- 3 mS/cm                         | +/- 0.3 mg/L | +/- 0.1 pH units           | +/- 10 mV | <50 NTU         |                                        |

Groundwater samples analyzed for TCL VOCs (EPA method 8260), TCL BN SVOCs (EPA method 8270 BN), TAL metals (EPA method 6000/7000 series), PCBs (EPA method 8082), and pesticides (EPA method 8081).

**APPENDIX E**  
**LABORATORY ANALYSIS DATA SHEETS (CD)**



# CHAIN OF CUSTODY

WESTBORO, MA  
TEL: 508-898-9220  
FAX: 508-898-9193

MANSFIELD, MA  
TEL: 508-822-9300  
FAX: 508-822-3288

### Client Information

Client: **AKRF, Inc.**

Address: **34 South Broadway, Suite 101  
White Plains, NY 10601**

Phone: **(914) 949-7336**

Fax: **(914) 949-7559**

Email: **Mgodick@akrf.com**

These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

### Project Information

Project Name: **Z64 N. 10th St.**

Project Location: **Brooklyn, NY**

Project #: **11338**

Project Manager: **Marc Godick**

ALPHA Quote #:

Turn-Around Time

Standard  RUSH (only confirmed if pre-approved)

Date Due: **9/9/11** Time:

Date Rec'd In Lab: **8/31/11**

### Report Information - Data Deliverables

FAX  EMAIL

ADEX  Add'l Deliverables

### Regulatory Requirements/Report Limits

State/Fed Program

**NYSDDEC**

Criteria

**Part 375 BCOS**

ALPHA Job #: **L1113555**

### Billing Information

Same as Client Info PO #:

| ANALYSIS                            |                      |
|-------------------------------------|----------------------|
| <input checked="" type="checkbox"/> | Copper               |
| <input checked="" type="checkbox"/> | Mercury              |
| <input checked="" type="checkbox"/> | Arsenic              |
| <input checked="" type="checkbox"/> | Barium               |
| <input checked="" type="checkbox"/> | Cadmium              |
| <input checked="" type="checkbox"/> | Lead                 |
| <input checked="" type="checkbox"/> | TCL VOCs (8260)      |
| <input checked="" type="checkbox"/> | TCL SVOCs-BNs (8270) |

| SAMPLE HANDLING          |              |
|--------------------------|--------------|
| <input type="checkbox"/> | Filtration   |
| <input type="checkbox"/> | Done         |
| <input type="checkbox"/> | Not needed   |
| <input type="checkbox"/> | Lab to do    |
| <input type="checkbox"/> | Preservation |
| <input type="checkbox"/> | Lab to do    |

(Please specify below)  
Sample Specific Comments

| ALPHA Lab ID<br>(Lab Use Only) | Sample ID    | Collection |       | Sample Matrix | Sampler's Initials | ANALYSIS |         |         |        |         |      | SAMPLE HANDLING |                      |            |      |            |           | TOTAL # BOTTLES |              |           |
|--------------------------------|--------------|------------|-------|---------------|--------------------|----------|---------|---------|--------|---------|------|-----------------|----------------------|------------|------|------------|-----------|-----------------|--------------|-----------|
|                                |              | Date       | Time  |               |                    | Copper   | Mercury | Arsenic | Barium | Cadmium | Lead | TCL VOCs (8260) | TCL SVOCs-BNs (8270) | Filtration | Done | Not needed | Lab to do |                 | Preservation | Lab to do |
| 13555.1                        | B-12 (6-8)   | 8/31/11    | 05:10 | S             | SG                 | X        | X       | X       | X      | X       | X    | X               | X                    | X          | X    | X          | X         | X               | X            | 1         |
| 2                              | B-12 (8-10)  |            | 09:14 | S             | SG                 | X        | X       | X       | X      | X       | X    | X               | X                    | X          | X    | X          | X         | X               | X            | 1         |
| 3                              | B-12 (10-12) |            | 09:16 | S             | SG                 | X        | X       | X       | X      | X       | X    | X               | X                    | X          | X    | X          | X         | X               | X            | 1         |
| 4                              | B-15 (5-7')  |            | 11:55 | S             | SG                 | X        | X       | X       | X      | X       | X    | X               | X                    | X          | X    | X          | X         | X               | X            | 1         |
| 5                              | B-15 (7-9')  |            | 11:58 | S             | SG                 | X        | X       | X       | X      | X       | X    | X               | X                    | X          | X    | X          | X         | X               | X            | 1         |
| 6                              | B-15 (9-11') |            | 12:00 | S             | SG                 | X        | X       | X       | X      | X       | X    | X               | X                    | X          | X    | X          | X         | X               | X            | 1         |
| 7                              | B-8 (6-8')   |            | 12:30 | S             | SG                 | X        | X       | X       | X      | X       | X    | X               | X                    | X          | X    | X          | X         | X               | X            | 1         |
| 8                              | B-8 (8-10')  |            | 12:32 | S             | SG                 | X        | X       | X       | X      | X       | X    | X               | X                    | X          | X    | X          | X         | X               | X            | 1         |
| 9                              | B-2 (4-6')   |            | 13:50 | S             | SG                 | X        | X       | X       | X      | X       | X    | X               | X                    | X          | X    | X          | X         | X               | X            | 1         |
| 10                             | B-2 (6-8')   | 8/31/11    | 13:55 | S             | SG                 | X        | X       | X       | X      | X       | X    | X               | X                    | X          | X    | X          | X         | X               | X            | 1         |

| Container Type | Preservative |
|----------------|--------------|
| A              | A            |
| A              | A            |
| A              | A            |
| A              | A            |
| A              | A            |
| A              | A            |

Relinquished By: *[Signature]* Date/Time: **8/31/11 1500**

Received By: *[Signature]* Date/Time: **8/31/11 15**

ALPHA's Terms and Conditions apply to all samples submitted. See reverse side.





WESTBORO, MA  
TEL: 508-898-9220  
FAX: 508-898-9193

MANFIELD, MA  
TEL: 508-822-9300  
FAX: 508-822-3298

# CHAIN OF CUSTODY

### Project Information

Project Name: 264 N. 10th St.  
Project Location: Brooklyn, NY

Project #: 1938

Project Manager: Marc Gadick

ALPHA Quote #:  
Turn-Around Time

Client: AKRE, Inc.  
Address: 34 South Broadway Suite 410  
White Plains, NY 10601

Phone: (914) 949-7336  
Fax: (914) 949-7559  
Email: mgadick@akre.com

Other Project Specific Requirements/Comments/Detection Limits:

### Report Information - Data Deliverables

FAX  
 EMAIL  
 XDEX  
 Add'l Deliverables

### Regulatory Requirements/Report Limits

Date Rec'd In Lab: 8/31/11  
State/Fed Program: NYS DEC  
Criteria: Groundwater Protection

### Billing Information

ALPHA Job #: L112555  
PO #:

| ALPHA Lab ID<br>(Lab Use Only) | Sample ID | Collection |       | Sample Matrix | Sampler's Initials |
|--------------------------------|-----------|------------|-------|---------------|--------------------|
|                                |           | Date       | Time  |               |                    |
| 13555 12                       | GW-12     | 8/31/11    | 10:10 | GW            | SG                 |
| 13                             | GW-15     | 8/31/11    | 12:17 | GW            | SG                 |
| 14                             | GW-8      | 8/31/11    | 13:05 | GW            | SG                 |
| 15                             | GW-2      | 8/31/11    | 14:30 | GW            | SG                 |
| 16                             | FB        | 8/31/11    | 14:36 | Ag            | SG                 |
| 17                             | FB        | 8/31/11    | 14:36 | Ag            | SG                 |

| ANALYSIS               |   |
|------------------------|---|
| TCL VOCs (8260)        | X |
| TCL SVOCs - BNs (8270) | X |
| TAL Metals (600/700)   | X |
| PCBs (8082)            | X |
| Pesticides (8081)      | X |

| SAMPLE HANDLING |                                               |
|-----------------|-----------------------------------------------|
| Filtration      | <input type="checkbox"/> Done                 |
|                 | <input type="checkbox"/> Not needed           |
|                 | <input checked="" type="checkbox"/> Lab to do |
|                 | <input type="checkbox"/> Lab to do            |

| Container Type | Preservative |
|----------------|--------------|
| A              | B            |
| A              | A            |
| A              | A/C          |
| A              | A            |
| A              | A            |

Requested By:

Date/Time: 8/31/11 15:00

Received By:

Date/Time: 8/31/11 22:30

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.



## ANALYTICAL REPORT

|                 |                                                           |
|-----------------|-----------------------------------------------------------|
| Lab Number:     | L1113555                                                  |
| Client:         | AKRF, Inc.<br>34 South Broadway<br>White Plains, NY 10601 |
| ATTN:           | Marc Godick                                               |
| Phone:          | (914) 949-7336                                            |
| Project Name:   | 264 N. 10TH ST.                                           |
| Project Number: | 11338                                                     |
| Report Date:    | 09/08/11                                                  |

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

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



**Project Name:** 264 N. 10TH ST.  
**Project Number:** 11338

**Lab Number:** L1113555  
**Report Date:** 09/08/11

| <b>Alpha<br/>Sample ID</b> | <b>Client ID</b> | <b>Sample<br/>Location</b> | <b>Collection<br/>Date/Time</b> |
|----------------------------|------------------|----------------------------|---------------------------------|
| L1113555-01                | B-12 (6-8)       | BROOKLYN, NY               | 08/31/11 09:10                  |
| L1113555-02                | B-12 (8-10)      | BROOKLYN, NY               | 08/31/11 09:14                  |
| L1113555-03                | B-12 (10-12)     | BROOKLYN, NY               | 08/31/11 09:16                  |
| L1113555-04                | B-15 (5'-7')     | BROOKLYN, NY               | 08/31/11 11:55                  |
| L1113555-05                | B-15 (7'-9')     | BROOKLYN, NY               | 08/31/11 11:58                  |
| L1113555-06                | B-15 (9'-11')    | BROOKLYN, NY               | 08/31/11 12:00                  |
| L1113555-07                | B-8 (6'-8')      | BROOKLYN, NY               | 08/31/11 12:30                  |
| L1113555-08                | B-8 (8'-10')     | BROOKLYN, NY               | 08/31/11 12:32                  |
| L1113555-09                | B-2 (4'-6')      | BROOKLYN, NY               | 08/31/11 13:50                  |
| L1113555-10                | B-2 (6'-8')      | BROOKLYN, NY               | 08/31/11 13:55                  |
| L1113555-11                | B-2 (8'-10')     | BROOKLYN, NY               | 08/31/11 14:00                  |
| L1113555-12                | GW-12            | BROOKLYN, NY               | 08/31/11 10:10                  |
| L1113555-13                | GW-15            | BROOKLYN, NY               | 08/31/11 12:07                  |
| L1113555-14                | GW-8             | BROOKLYN, NY               | 08/31/11 13:05                  |
| L1113555-15                | GW-2             | BROOKLYN, NY               | 08/31/11 14:30                  |
| L1113555-16                | FB               | BROOKLYN, NY               | 08/31/11 14:36                  |
| L1113555-17                | TB               | BROOKLYN, NY               | 08/31/11 00:00                  |

**Project Name:** 264 N. 10TH ST.  
**Project Number:** 11338

**Lab Number:** L1113555  
**Report Date:** 09/08/11

### Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

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#### Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

#### Semivolatile Organics-SIM

The surrogate recoveries for the following samples are outside the individual acceptance criteria for 2,4,6-Tribromophenol, but within the overall method allowances. The results of the original analyses are reported:

L1113555-12: 122%

L1113555-14: 131%

L1113555-15: 133%

The surrogate recovery for L1113555-13 is outside the individual acceptance criteria for 2-Fluorophenol (16%), but within the overall method allowances. The results of the original analysis are reported.

**Project Name:** 264 N. 10TH ST.  
**Project Number:** 11338

**Lab Number:** L1113555  
**Report Date:** 09/08/11

### Case Narrative (continued)

The surrogate recovery for the WG487950-1 Method Blank, associated with L1113555-12 through -15, is above the acceptance criteria for 2,4,6-Tribromophenol (157%). Since the blank was non-detect for all target analytes, re-analysis was not required.

The surrogate recoveries for the WG487950-2/-3 LCS/LCSD, associated with L1113555-12 through -15, are outside the individual acceptance criteria for 2,4,6-Tribromophenol (150%/135%), but within the overall method allowances. The results of the original analysis are reported.

#### Semivolatile Organics

The surrogate recovery for L1113555-13 is outside the individual acceptance criteria for 2-Fluorophenol (17%), but within the overall method allowances. The results of the original analysis are reported.

The WG487949-2/-3 LCS/LCSD recoveries, associated with L1113555-12 through -15, were above the acceptance criteria for 1,2,4-Trichlorobenzene (LCSD at 100%) and 2,4-Dinitrotoluene (111%/118%); however, the associated samples were non-detect for these target compounds. The results of the original analysis are reported.

#### PCBs

The surrogate recovery for L1113555-12 is outside the individual acceptance criteria for Decachlorobiphenyl (24%), but within the overall method allowances. The results of the original analysis are reported.

#### Pesticides

L1113555-13: The internal standard (IS) response for 1-Bromo-2-nitrobenzene was above the acceptance criteria on the confirmation column; however, the sample was not re-analyzed due to obvious interferences. A copy of the chromatogram is included as an attachment to this report. Also, the surrogate recovery for L1113555-13 is outside the individual acceptance criteria for Decachlorobiphenyl (26%), but within the overall method allowances. The results of the original analysis are reported.

L1113555-15: The internal standard (IS) response for 1-Bromo-2-nitrobenzene was above the acceptance criteria on the confirmation column; however, the sample was not re-analyzed due to obvious interferences. A copy of the chromatogram is included as an attachment to this report. Also, the surrogate recoveries for

**Project Name:** 264 N. 10TH ST.  
**Project Number:** 11338

**Lab Number:** L1113555  
**Report Date:** 09/08/11

### Case Narrative (continued)

L1113302-15 are outside the individual acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (27%) and Decachlorobiphenyl (20%) on the confirmation column due to the high internal standard response. The WG488631-2/-3 LCS/LCSD RPD, associated with L1113555-13 and -15, are above the acceptance criteria for Delta-BHC (40%); however, the individual LCS/LCSD recoveries are within method limits.

#### Total Metals

L1113555-05 and -08 have elevated detection limits for Mercury due to the dilutions required to quantitate the results within the calibration range.

L1113555-12 has elevated detection limits for Antimony, Beryllium and Thallium due to the dilution required by the high concentrations of non-target analytes. The requested reporting limits were not achieved for Antimony.

L1113555-13, -14 and -15 have elevated detection limits for Antimony, Beryllium and Thallium due to the dilutions required by the high concentrations of non-target analytes. The requested reporting limits were not achieved for Beryllium and Thallium.

The WG488002-4 MS recovery for Iron (50%), performed on L1113555-13, does not apply because the sample concentration is greater than four times the spike amount added.

#### Dissolved Metals

L1113555-14 has an elevated detection limit for Calcium due to the dilution required to quantitate the result within the calibration range.

L1113555-14 has elevated detection limits for Antimony, Beryllium and Thallium due to the dilution required by the high concentrations of non-target analytes. The requested reporting limit was not achieved for Thallium.

The WG488093-3 Laboratory Duplicate RPDs, performed on L1113555-12, are outside the acceptance criteria for Aluminum (101%) and Iron (25%). The elevated RPDs have been attributed to the non-homogeneous nature of the sample utilized for the laboratory duplicate.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:

 Michelle M. Morris

Title: Technical Director/Representative

Date: 09/08/11

# ORGANICS

# VOLATILES

**Project Name:** 264 N. 10TH ST.**Lab Number:** L1113555**Project Number:** 11338**Report Date:** 09/08/11**SAMPLE RESULTS**

Lab ID: L1113555-12  
 Client ID: GW-12  
 Sample Location: BROOKLYN, NY  
 Matrix: Water  
 Analytical Method: 1,8260B  
 Analytical Date: 09/05/11 17:32  
 Analyst: PD

Date Collected: 08/31/11 10:10  
 Date Received: 08/31/11  
 Field Prep: Not Specified

| Parameter                                           | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|-----------------------------------------------------|--------|-----------|-------|------|------|-----------------|
| <b>Volatile Organics by GC/MS - Westborough Lab</b> |        |           |       |      |      |                 |
| Methylene chloride                                  | ND     |           | ug/l  | 5.0  | 0.54 | 1               |
| 1,1-Dichloroethane                                  | ND     |           | ug/l  | 0.75 | 0.22 | 1               |
| Chloroform                                          | ND     |           | ug/l  | 0.75 | 0.20 | 1               |
| Carbon tetrachloride                                | ND     |           | ug/l  | 0.50 | 0.16 | 1               |
| 1,2-Dichloropropane                                 | ND     |           | ug/l  | 1.8  | 0.30 | 1               |
| Dibromochloromethane                                | ND     |           | ug/l  | 0.50 | 0.19 | 1               |
| 1,1,2-Trichloroethane                               | ND     |           | ug/l  | 0.75 | 0.26 | 1               |
| Tetrachloroethene                                   | ND     |           | ug/l  | 0.50 | 0.18 | 1               |
| Chlorobenzene                                       | ND     |           | ug/l  | 0.50 | 0.19 | 1               |
| Trichlorofluoromethane                              | ND     |           | ug/l  | 2.5  | 0.27 | 1               |
| 1,2-Dichloroethane                                  | ND     |           | ug/l  | 0.50 | 0.16 | 1               |
| 1,1,1-Trichloroethane                               | ND     |           | ug/l  | 0.50 | 0.16 | 1               |
| Bromodichloromethane                                | ND     |           | ug/l  | 0.50 | 0.19 | 1               |
| trans-1,3-Dichloropropene                           | ND     |           | ug/l  | 0.50 | 0.16 | 1               |
| cis-1,3-Dichloropropene                             | ND     |           | ug/l  | 0.50 | 0.14 | 1               |
| 1,1-Dichloropropene                                 | ND     |           | ug/l  | 2.5  | 0.26 | 1               |
| Bromoform                                           | ND     |           | ug/l  | 2.0  | 0.25 | 1               |
| 1,1,2,2-Tetrachloroethane                           | ND     |           | ug/l  | 0.50 | 0.19 | 1               |
| Benzene                                             | ND     |           | ug/l  | 0.50 | 0.19 | 1               |
| Toluene                                             | ND     |           | ug/l  | 0.75 | 0.23 | 1               |
| Ethylbenzene                                        | ND     |           | ug/l  | 0.50 | 0.26 | 1               |
| Chloromethane                                       | ND     |           | ug/l  | 2.5  | 0.28 | 1               |
| Bromomethane                                        | ND     |           | ug/l  | 1.0  | 0.26 | 1               |
| Vinyl chloride                                      | ND     |           | ug/l  | 1.0  | 0.22 | 1               |
| Chloroethane                                        | ND     |           | ug/l  | 1.0  | 0.23 | 1               |
| 1,1-Dichloroethene                                  | ND     |           | ug/l  | 0.50 | 0.18 | 1               |
| trans-1,2-Dichloroethene                            | ND     |           | ug/l  | 0.75 | 0.21 | 1               |
| Trichloroethene                                     | ND     |           | ug/l  | 0.50 | 0.17 | 1               |
| 1,2-Dichlorobenzene                                 | ND     |           | ug/l  | 2.5  | 0.18 | 1               |
| 1,3-Dichlorobenzene                                 | ND     |           | ug/l  | 2.5  | 0.19 | 1               |
| 1,4-Dichlorobenzene                                 | ND     |           | ug/l  | 2.5  | 0.22 | 1               |

Project Name: 264 N. 10TH ST.

Lab Number: L1113555

Project Number: 11338

Report Date: 09/08/11

## SAMPLE RESULTS

Lab ID: L1113555-12  
 Client ID: GW-12  
 Sample Location: BROOKLYN, NY

Date Collected: 08/31/11 10:10  
 Date Received: 08/31/11  
 Field Prep: Not Specified

| Parameter                                    | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |      |      |                 |
| Methyl tert butyl ether                      | ND     |           | ug/l  | 1.0  | 0.16 | 1               |
| p/m-Xylene                                   | ND     |           | ug/l  | 1.0  | 0.35 | 1               |
| o-Xylene                                     | ND     |           | ug/l  | 1.0  | 0.33 | 1               |
| cis-1,2-Dichloroethene                       | ND     |           | ug/l  | 0.50 | 0.19 | 1               |
| Dibromomethane                               | ND     |           | ug/l  | 5.0  | 0.36 | 1               |
| 1,2,3-Trichloropropane                       | ND     |           | ug/l  | 5.0  | 0.43 | 1               |
| Acrylonitrile                                | ND     |           | ug/l  | 5.0  | 0.43 | 1               |
| Styrene                                      | ND     |           | ug/l  | 1.0  | 0.36 | 1               |
| Dichlorodifluoromethane                      | ND     |           | ug/l  | 5.0  | 0.30 | 1               |
| Acetone                                      | 6.4    |           | ug/l  | 5.0  | 1.6  | 1               |
| Carbon disulfide                             | ND     |           | ug/l  | 5.0  | 0.30 | 1               |
| 2-Butanone                                   | ND     |           | ug/l  | 5.0  | 1.9  | 1               |
| Vinyl acetate                                | ND     |           | ug/l  | 5.0  | 0.31 | 1               |
| 4-Methyl-2-pentanone                         | ND     |           | ug/l  | 5.0  | 0.42 | 1               |
| 2-Hexanone                                   | ND     |           | ug/l  | 5.0  | 0.58 | 1               |
| Bromochloromethane                           | ND     |           | ug/l  | 2.5  | 0.33 | 1               |
| 2,2-Dichloropropane                          | ND     |           | ug/l  | 2.5  | 0.40 | 1               |
| 1,2-Dibromoethane                            | ND     |           | ug/l  | 2.0  | 0.19 | 1               |
| 1,3-Dichloropropane                          | ND     |           | ug/l  | 2.5  | 0.21 | 1               |
| 1,1,1,2-Tetrachloroethane                    | ND     |           | ug/l  | 0.50 | 0.16 | 1               |
| Bromobenzene                                 | ND     |           | ug/l  | 2.5  | 0.18 | 1               |
| n-Butylbenzene                               | ND     |           | ug/l  | 0.50 | 0.20 | 1               |
| sec-Butylbenzene                             | ND     |           | ug/l  | 0.50 | 0.18 | 1               |
| tert-Butylbenzene                            | ND     |           | ug/l  | 2.5  | 0.30 | 1               |
| o-Chlorotoluene                              | ND     |           | ug/l  | 2.5  | 0.18 | 1               |
| p-Chlorotoluene                              | ND     |           | ug/l  | 2.5  | 0.18 | 1               |
| 1,2-Dibromo-3-chloropropane                  | ND     |           | ug/l  | 2.5  | 0.33 | 1               |
| Hexachlorobutadiene                          | ND     |           | ug/l  | 0.60 | 0.23 | 1               |
| Isopropylbenzene                             | ND     |           | ug/l  | 0.50 | 0.19 | 1               |
| p-Isopropyltoluene                           | ND     |           | ug/l  | 0.50 | 0.19 | 1               |
| Naphthalene                                  | ND     |           | ug/l  | 2.5  | 0.22 | 1               |
| n-Propylbenzene                              | ND     |           | ug/l  | 0.50 | 0.17 | 1               |
| 1,2,3-Trichlorobenzene                       | ND     |           | ug/l  | 2.5  | 0.23 | 1               |
| 1,2,4-Trichlorobenzene                       | ND     |           | ug/l  | 2.5  | 0.22 | 1               |
| 1,3,5-Trimethylbenzene                       | ND     |           | ug/l  | 2.5  | 0.21 | 1               |
| 1,2,4-Trimethylbenzene                       | ND     |           | ug/l  | 2.5  | 0.27 | 1               |
| 1,4-Diethylbenzene                           | ND     |           | ug/l  | 2.0  | 0.11 | 1               |
| 4-Ethyltoluene                               | ND     |           | ug/l  | 2.0  | 0.42 | 1               |
| 1,2,4,5-Tetramethylbenzene                   | ND     |           | ug/l  | 2.0  | 0.10 | 1               |

**Project Name:** 264 N. 10TH ST.**Lab Number:** L1113555**Project Number:** 11338**Report Date:** 09/08/11**SAMPLE RESULTS**

Lab ID: L1113555-12  
 Client ID: GW-12  
 Sample Location: BROOKLYN, NY

Date Collected: 08/31/11 10:10  
 Date Received: 08/31/11  
 Field Prep: Not Specified

| Parameter                                    | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| Ethyl ether                                  | ND     |           | ug/l  | 2.5 | 0.20 | 1               |
| trans-1,4-Dichloro-2-butene                  | ND     |           | ug/l  | 2.5 | 0.17 | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 107        |           | 70-130              |
| Toluene-d8            | 96         |           | 70-130              |
| 4-Bromofluorobenzene  | 99         |           | 70-130              |
| Dibromofluoromethane  | 104        |           | 70-130              |

**Project Name:** 264 N. 10TH ST.**Lab Number:** L1113555**Project Number:** 11338**Report Date:** 09/08/11**SAMPLE RESULTS**

**Lab ID:** L1113555-13  
**Client ID:** GW-15  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Water  
**Analytical Method:** 1,8260B  
**Analytical Date:** 09/05/11 17:57  
**Analyst:** PD

**Date Collected:** 08/31/11 12:07  
**Date Received:** 08/31/11  
**Field Prep:** Not Specified

| Parameter                                           | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|-----------------------------------------------------|--------|-----------|-------|------|------|-----------------|
| <b>Volatile Organics by GC/MS - Westborough Lab</b> |        |           |       |      |      |                 |
| Methylene chloride                                  | ND     |           | ug/l  | 5.0  | 0.54 | 1               |
| 1,1-Dichloroethane                                  | ND     |           | ug/l  | 0.75 | 0.22 | 1               |
| Chloroform                                          | ND     |           | ug/l  | 0.75 | 0.20 | 1               |
| Carbon tetrachloride                                | ND     |           | ug/l  | 0.50 | 0.16 | 1               |
| 1,2-Dichloropropane                                 | ND     |           | ug/l  | 1.8  | 0.30 | 1               |
| Dibromochloromethane                                | ND     |           | ug/l  | 0.50 | 0.19 | 1               |
| 1,1,2-Trichloroethane                               | ND     |           | ug/l  | 0.75 | 0.26 | 1               |
| Tetrachloroethene                                   | ND     |           | ug/l  | 0.50 | 0.18 | 1               |
| Chlorobenzene                                       | ND     |           | ug/l  | 0.50 | 0.19 | 1               |
| Trichlorofluoromethane                              | ND     |           | ug/l  | 2.5  | 0.27 | 1               |
| 1,2-Dichloroethane                                  | ND     |           | ug/l  | 0.50 | 0.16 | 1               |
| 1,1,1-Trichloroethane                               | ND     |           | ug/l  | 0.50 | 0.16 | 1               |
| Bromodichloromethane                                | ND     |           | ug/l  | 0.50 | 0.19 | 1               |
| trans-1,3-Dichloropropene                           | ND     |           | ug/l  | 0.50 | 0.16 | 1               |
| cis-1,3-Dichloropropene                             | ND     |           | ug/l  | 0.50 | 0.14 | 1               |
| 1,1-Dichloropropene                                 | ND     |           | ug/l  | 2.5  | 0.26 | 1               |
| Bromoform                                           | ND     |           | ug/l  | 2.0  | 0.25 | 1               |
| 1,1,2,2-Tetrachloroethane                           | ND     |           | ug/l  | 0.50 | 0.19 | 1               |
| Benzene                                             | ND     |           | ug/l  | 0.50 | 0.19 | 1               |
| Toluene                                             | ND     |           | ug/l  | 0.75 | 0.23 | 1               |
| Ethylbenzene                                        | ND     |           | ug/l  | 0.50 | 0.26 | 1               |
| Chloromethane                                       | ND     |           | ug/l  | 2.5  | 0.28 | 1               |
| Bromomethane                                        | ND     |           | ug/l  | 1.0  | 0.26 | 1               |
| Vinyl chloride                                      | ND     |           | ug/l  | 1.0  | 0.22 | 1               |
| Chloroethane                                        | ND     |           | ug/l  | 1.0  | 0.23 | 1               |
| 1,1-Dichloroethene                                  | ND     |           | ug/l  | 0.50 | 0.18 | 1               |
| trans-1,2-Dichloroethene                            | ND     |           | ug/l  | 0.75 | 0.21 | 1               |
| Trichloroethene                                     | ND     |           | ug/l  | 0.50 | 0.17 | 1               |
| 1,2-Dichlorobenzene                                 | ND     |           | ug/l  | 2.5  | 0.18 | 1               |
| 1,3-Dichlorobenzene                                 | ND     |           | ug/l  | 2.5  | 0.19 | 1               |
| 1,4-Dichlorobenzene                                 | ND     |           | ug/l  | 2.5  | 0.22 | 1               |

Project Name: 264 N. 10TH ST.

Lab Number: L1113555

Project Number: 11338

Report Date: 09/08/11

## SAMPLE RESULTS

Lab ID: L1113555-13  
 Client ID: GW-15  
 Sample Location: BROOKLYN, NY

Date Collected: 08/31/11 12:07  
 Date Received: 08/31/11  
 Field Prep: Not Specified

| Parameter                                    | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |      |      |                 |
| Methyl tert butyl ether                      | 0.50   | J         | ug/l  | 1.0  | 0.16 | 1               |
| p/m-Xylene                                   | ND     |           | ug/l  | 1.0  | 0.35 | 1               |
| o-Xylene                                     | ND     |           | ug/l  | 1.0  | 0.33 | 1               |
| cis-1,2-Dichloroethene                       | ND     |           | ug/l  | 0.50 | 0.19 | 1               |
| Dibromomethane                               | ND     |           | ug/l  | 5.0  | 0.36 | 1               |
| 1,2,3-Trichloropropane                       | ND     |           | ug/l  | 5.0  | 0.43 | 1               |
| Acrylonitrile                                | ND     |           | ug/l  | 5.0  | 0.43 | 1               |
| Styrene                                      | ND     |           | ug/l  | 1.0  | 0.36 | 1               |
| Dichlorodifluoromethane                      | ND     |           | ug/l  | 5.0  | 0.30 | 1               |
| Acetone                                      | 3.0    | J         | ug/l  | 5.0  | 1.6  | 1               |
| Carbon disulfide                             | ND     |           | ug/l  | 5.0  | 0.30 | 1               |
| 2-Butanone                                   | ND     |           | ug/l  | 5.0  | 1.9  | 1               |
| Vinyl acetate                                | ND     |           | ug/l  | 5.0  | 0.31 | 1               |
| 4-Methyl-2-pentanone                         | ND     |           | ug/l  | 5.0  | 0.42 | 1               |
| 2-Hexanone                                   | ND     |           | ug/l  | 5.0  | 0.58 | 1               |
| Bromochloromethane                           | ND     |           | ug/l  | 2.5  | 0.33 | 1               |
| 2,2-Dichloropropane                          | ND     |           | ug/l  | 2.5  | 0.40 | 1               |
| 1,2-Dibromoethane                            | ND     |           | ug/l  | 2.0  | 0.19 | 1               |
| 1,3-Dichloropropane                          | ND     |           | ug/l  | 2.5  | 0.21 | 1               |
| 1,1,1,2-Tetrachloroethane                    | ND     |           | ug/l  | 0.50 | 0.16 | 1               |
| Bromobenzene                                 | ND     |           | ug/l  | 2.5  | 0.18 | 1               |
| n-Butylbenzene                               | ND     |           | ug/l  | 0.50 | 0.20 | 1               |
| sec-Butylbenzene                             | ND     |           | ug/l  | 0.50 | 0.18 | 1               |
| tert-Butylbenzene                            | ND     |           | ug/l  | 2.5  | 0.30 | 1               |
| o-Chlorotoluene                              | ND     |           | ug/l  | 2.5  | 0.18 | 1               |
| p-Chlorotoluene                              | ND     |           | ug/l  | 2.5  | 0.18 | 1               |
| 1,2-Dibromo-3-chloropropane                  | ND     |           | ug/l  | 2.5  | 0.33 | 1               |
| Hexachlorobutadiene                          | ND     |           | ug/l  | 0.60 | 0.23 | 1               |
| Isopropylbenzene                             | ND     |           | ug/l  | 0.50 | 0.19 | 1               |
| p-Isopropyltoluene                           | ND     |           | ug/l  | 0.50 | 0.19 | 1               |
| Naphthalene                                  | ND     |           | ug/l  | 2.5  | 0.22 | 1               |
| n-Propylbenzene                              | ND     |           | ug/l  | 0.50 | 0.17 | 1               |
| 1,2,3-Trichlorobenzene                       | ND     |           | ug/l  | 2.5  | 0.23 | 1               |
| 1,2,4-Trichlorobenzene                       | ND     |           | ug/l  | 2.5  | 0.22 | 1               |
| 1,3,5-Trimethylbenzene                       | ND     |           | ug/l  | 2.5  | 0.21 | 1               |
| 1,2,4-Trimethylbenzene                       | ND     |           | ug/l  | 2.5  | 0.27 | 1               |
| 1,4-Diethylbenzene                           | ND     |           | ug/l  | 2.0  | 0.11 | 1               |
| 4-Ethyltoluene                               | ND     |           | ug/l  | 2.0  | 0.42 | 1               |
| 1,2,4,5-Tetramethylbenzene                   | ND     |           | ug/l  | 2.0  | 0.10 | 1               |

**Project Name:** 264 N. 10TH ST.**Lab Number:** L1113555**Project Number:** 11338**Report Date:** 09/08/11**SAMPLE RESULTS**

Lab ID: L1113555-13  
 Client ID: GW-15  
 Sample Location: BROOKLYN, NY

Date Collected: 08/31/11 12:07  
 Date Received: 08/31/11  
 Field Prep: Not Specified

| Parameter                                    | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| Ethyl ether                                  | ND     |           | ug/l  | 2.5 | 0.20 | 1               |
| trans-1,4-Dichloro-2-butene                  | ND     |           | ug/l  | 2.5 | 0.17 | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 106        |           | 70-130              |
| Toluene-d8            | 96         |           | 70-130              |
| 4-Bromofluorobenzene  | 101        |           | 70-130              |
| Dibromofluoromethane  | 101        |           | 70-130              |

**Project Name:** 264 N. 10TH ST.**Lab Number:** L1113555**Project Number:** 11338**Report Date:** 09/08/11**SAMPLE RESULTS**

**Lab ID:** L1113555-14  
**Client ID:** GW-8  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Water  
**Analytical Method:** 1,8260B  
**Analytical Date:** 09/05/11 18:23  
**Analyst:** PD

**Date Collected:** 08/31/11 13:05  
**Date Received:** 08/31/11  
**Field Prep:** Not Specified

| Parameter                                           | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|-----------------------------------------------------|--------|-----------|-------|------|------|-----------------|
| <b>Volatile Organics by GC/MS - Westborough Lab</b> |        |           |       |      |      |                 |
| Methylene chloride                                  | ND     |           | ug/l  | 5.0  | 0.54 | 1               |
| 1,1-Dichloroethane                                  | ND     |           | ug/l  | 0.75 | 0.22 | 1               |
| Chloroform                                          | ND     |           | ug/l  | 0.75 | 0.20 | 1               |
| Carbon tetrachloride                                | ND     |           | ug/l  | 0.50 | 0.16 | 1               |
| 1,2-Dichloropropane                                 | ND     |           | ug/l  | 1.8  | 0.30 | 1               |
| Dibromochloromethane                                | ND     |           | ug/l  | 0.50 | 0.19 | 1               |
| 1,1,2-Trichloroethane                               | ND     |           | ug/l  | 0.75 | 0.26 | 1               |
| Tetrachloroethene                                   | ND     |           | ug/l  | 0.50 | 0.18 | 1               |
| Chlorobenzene                                       | ND     |           | ug/l  | 0.50 | 0.19 | 1               |
| Trichlorofluoromethane                              | ND     |           | ug/l  | 2.5  | 0.27 | 1               |
| 1,2-Dichloroethane                                  | ND     |           | ug/l  | 0.50 | 0.16 | 1               |
| 1,1,1-Trichloroethane                               | ND     |           | ug/l  | 0.50 | 0.16 | 1               |
| Bromodichloromethane                                | ND     |           | ug/l  | 0.50 | 0.19 | 1               |
| trans-1,3-Dichloropropene                           | ND     |           | ug/l  | 0.50 | 0.16 | 1               |
| cis-1,3-Dichloropropene                             | ND     |           | ug/l  | 0.50 | 0.14 | 1               |
| 1,1-Dichloropropene                                 | ND     |           | ug/l  | 2.5  | 0.26 | 1               |
| Bromoform                                           | ND     |           | ug/l  | 2.0  | 0.25 | 1               |
| 1,1,2,2-Tetrachloroethane                           | ND     |           | ug/l  | 0.50 | 0.19 | 1               |
| Benzene                                             | ND     |           | ug/l  | 0.50 | 0.19 | 1               |
| Toluene                                             | ND     |           | ug/l  | 0.75 | 0.23 | 1               |
| Ethylbenzene                                        | ND     |           | ug/l  | 0.50 | 0.26 | 1               |
| Chloromethane                                       | ND     |           | ug/l  | 2.5  | 0.28 | 1               |
| Bromomethane                                        | ND     |           | ug/l  | 1.0  | 0.26 | 1               |
| Vinyl chloride                                      | ND     |           | ug/l  | 1.0  | 0.22 | 1               |
| Chloroethane                                        | ND     |           | ug/l  | 1.0  | 0.23 | 1               |
| 1,1-Dichloroethene                                  | ND     |           | ug/l  | 0.50 | 0.18 | 1               |
| trans-1,2-Dichloroethene                            | ND     |           | ug/l  | 0.75 | 0.21 | 1               |
| Trichloroethene                                     | ND     |           | ug/l  | 0.50 | 0.17 | 1               |
| 1,2-Dichlorobenzene                                 | ND     |           | ug/l  | 2.5  | 0.18 | 1               |
| 1,3-Dichlorobenzene                                 | ND     |           | ug/l  | 2.5  | 0.19 | 1               |
| 1,4-Dichlorobenzene                                 | ND     |           | ug/l  | 2.5  | 0.22 | 1               |

Project Name: 264 N. 10TH ST.

Lab Number: L1113555

Project Number: 11338

Report Date: 09/08/11

## SAMPLE RESULTS

Lab ID: L1113555-14  
 Client ID: GW-8  
 Sample Location: BROOKLYN, NY

Date Collected: 08/31/11 13:05  
 Date Received: 08/31/11  
 Field Prep: Not Specified

| Parameter                                    | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |      |      |                 |
| Methyl tert butyl ether                      | 0.31   | J         | ug/l  | 1.0  | 0.16 | 1               |
| p/m-Xylene                                   | ND     |           | ug/l  | 1.0  | 0.35 | 1               |
| o-Xylene                                     | ND     |           | ug/l  | 1.0  | 0.33 | 1               |
| cis-1,2-Dichloroethene                       | ND     |           | ug/l  | 0.50 | 0.19 | 1               |
| Dibromomethane                               | ND     |           | ug/l  | 5.0  | 0.36 | 1               |
| 1,2,3-Trichloropropane                       | ND     |           | ug/l  | 5.0  | 0.43 | 1               |
| Acrylonitrile                                | ND     |           | ug/l  | 5.0  | 0.43 | 1               |
| Styrene                                      | ND     |           | ug/l  | 1.0  | 0.36 | 1               |
| Dichlorodifluoromethane                      | ND     |           | ug/l  | 5.0  | 0.30 | 1               |
| Acetone                                      | 3.0    | J         | ug/l  | 5.0  | 1.6  | 1               |
| Carbon disulfide                             | ND     |           | ug/l  | 5.0  | 0.30 | 1               |
| 2-Butanone                                   | ND     |           | ug/l  | 5.0  | 1.9  | 1               |
| Vinyl acetate                                | ND     |           | ug/l  | 5.0  | 0.31 | 1               |
| 4-Methyl-2-pentanone                         | ND     |           | ug/l  | 5.0  | 0.42 | 1               |
| 2-Hexanone                                   | ND     |           | ug/l  | 5.0  | 0.58 | 1               |
| Bromochloromethane                           | ND     |           | ug/l  | 2.5  | 0.33 | 1               |
| 2,2-Dichloropropane                          | ND     |           | ug/l  | 2.5  | 0.40 | 1               |
| 1,2-Dibromoethane                            | ND     |           | ug/l  | 2.0  | 0.19 | 1               |
| 1,3-Dichloropropane                          | ND     |           | ug/l  | 2.5  | 0.21 | 1               |
| 1,1,1,2-Tetrachloroethane                    | ND     |           | ug/l  | 0.50 | 0.16 | 1               |
| Bromobenzene                                 | ND     |           | ug/l  | 2.5  | 0.18 | 1               |
| n-Butylbenzene                               | ND     |           | ug/l  | 0.50 | 0.20 | 1               |
| sec-Butylbenzene                             | ND     |           | ug/l  | 0.50 | 0.18 | 1               |
| tert-Butylbenzene                            | ND     |           | ug/l  | 2.5  | 0.30 | 1               |
| o-Chlorotoluene                              | ND     |           | ug/l  | 2.5  | 0.18 | 1               |
| p-Chlorotoluene                              | ND     |           | ug/l  | 2.5  | 0.18 | 1               |
| 1,2-Dibromo-3-chloropropane                  | ND     |           | ug/l  | 2.5  | 0.33 | 1               |
| Hexachlorobutadiene                          | ND     |           | ug/l  | 0.60 | 0.23 | 1               |
| Isopropylbenzene                             | ND     |           | ug/l  | 0.50 | 0.19 | 1               |
| p-Isopropyltoluene                           | ND     |           | ug/l  | 0.50 | 0.19 | 1               |
| Naphthalene                                  | 1.5    | J         | ug/l  | 2.5  | 0.22 | 1               |
| n-Propylbenzene                              | ND     |           | ug/l  | 0.50 | 0.17 | 1               |
| 1,2,3-Trichlorobenzene                       | ND     |           | ug/l  | 2.5  | 0.23 | 1               |
| 1,2,4-Trichlorobenzene                       | ND     |           | ug/l  | 2.5  | 0.22 | 1               |
| 1,3,5-Trimethylbenzene                       | ND     |           | ug/l  | 2.5  | 0.21 | 1               |
| 1,2,4-Trimethylbenzene                       | ND     |           | ug/l  | 2.5  | 0.27 | 1               |
| 1,4-Diethylbenzene                           | ND     |           | ug/l  | 2.0  | 0.11 | 1               |
| 4-Ethyltoluene                               | ND     |           | ug/l  | 2.0  | 0.42 | 1               |
| 1,2,4,5-Tetramethylbenzene                   | ND     |           | ug/l  | 2.0  | 0.10 | 1               |

**Project Name:** 264 N. 10TH ST.**Lab Number:** L1113555**Project Number:** 11338**Report Date:** 09/08/11**SAMPLE RESULTS**

Lab ID: L1113555-14  
 Client ID: GW-8  
 Sample Location: BROOKLYN, NY

Date Collected: 08/31/11 13:05  
 Date Received: 08/31/11  
 Field Prep: Not Specified

| Parameter                                    | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| Ethyl ether                                  | ND     |           | ug/l  | 2.5 | 0.20 | 1               |
| trans-1,4-Dichloro-2-butene                  | ND     |           | ug/l  | 2.5 | 0.17 | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 107        |           | 70-130              |
| Toluene-d8            | 95         |           | 70-130              |
| 4-Bromofluorobenzene  | 99         |           | 70-130              |
| Dibromofluoromethane  | 101        |           | 70-130              |

**Project Name:** 264 N. 10TH ST.**Lab Number:** L1113555**Project Number:** 11338**Report Date:** 09/08/11**SAMPLE RESULTS**

Lab ID: L1113555-15  
 Client ID: GW-2  
 Sample Location: BROOKLYN, NY  
 Matrix: Water  
 Analytical Method: 1,8260B  
 Analytical Date: 09/05/11 18:49  
 Analyst: PD

Date Collected: 08/31/11 14:30  
 Date Received: 08/31/11  
 Field Prep: Not Specified

| Parameter                                    | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |      |      |                 |
| Methylene chloride                           | ND     |           | ug/l  | 5.0  | 0.54 | 1               |
| 1,1-Dichloroethane                           | ND     |           | ug/l  | 0.75 | 0.22 | 1               |
| Chloroform                                   | ND     |           | ug/l  | 0.75 | 0.20 | 1               |
| Carbon tetrachloride                         | ND     |           | ug/l  | 0.50 | 0.16 | 1               |
| 1,2-Dichloropropane                          | ND     |           | ug/l  | 1.8  | 0.30 | 1               |
| Dibromochloromethane                         | ND     |           | ug/l  | 0.50 | 0.19 | 1               |
| 1,1,2-Trichloroethane                        | ND     |           | ug/l  | 0.75 | 0.26 | 1               |
| Tetrachloroethene                            | ND     |           | ug/l  | 0.50 | 0.18 | 1               |
| Chlorobenzene                                | ND     |           | ug/l  | 0.50 | 0.19 | 1               |
| Trichlorofluoromethane                       | ND     |           | ug/l  | 2.5  | 0.27 | 1               |
| 1,2-Dichloroethane                           | ND     |           | ug/l  | 0.50 | 0.16 | 1               |
| 1,1,1-Trichloroethane                        | ND     |           | ug/l  | 0.50 | 0.16 | 1               |
| Bromodichloromethane                         | ND     |           | ug/l  | 0.50 | 0.19 | 1               |
| trans-1,3-Dichloropropene                    | ND     |           | ug/l  | 0.50 | 0.16 | 1               |
| cis-1,3-Dichloropropene                      | ND     |           | ug/l  | 0.50 | 0.14 | 1               |
| 1,1-Dichloropropene                          | ND     |           | ug/l  | 2.5  | 0.26 | 1               |
| Bromoform                                    | ND     |           | ug/l  | 2.0  | 0.25 | 1               |
| 1,1,2,2-Tetrachloroethane                    | ND     |           | ug/l  | 0.50 | 0.19 | 1               |
| Benzene                                      | ND     |           | ug/l  | 0.50 | 0.19 | 1               |
| Toluene                                      | ND     |           | ug/l  | 0.75 | 0.23 | 1               |
| Ethylbenzene                                 | ND     |           | ug/l  | 0.50 | 0.26 | 1               |
| Chloromethane                                | ND     |           | ug/l  | 2.5  | 0.28 | 1               |
| Bromomethane                                 | ND     |           | ug/l  | 1.0  | 0.26 | 1               |
| Vinyl chloride                               | ND     |           | ug/l  | 1.0  | 0.22 | 1               |
| Chloroethane                                 | ND     |           | ug/l  | 1.0  | 0.23 | 1               |
| 1,1-Dichloroethene                           | ND     |           | ug/l  | 0.50 | 0.18 | 1               |
| trans-1,2-Dichloroethene                     | ND     |           | ug/l  | 0.75 | 0.21 | 1               |
| Trichloroethene                              | ND     |           | ug/l  | 0.50 | 0.17 | 1               |
| 1,2-Dichlorobenzene                          | ND     |           | ug/l  | 2.5  | 0.18 | 1               |
| 1,3-Dichlorobenzene                          | ND     |           | ug/l  | 2.5  | 0.19 | 1               |
| 1,4-Dichlorobenzene                          | ND     |           | ug/l  | 2.5  | 0.22 | 1               |

Project Name: 264 N. 10TH ST.

Lab Number: L1113555

Project Number: 11338

Report Date: 09/08/11

## SAMPLE RESULTS

Lab ID: L1113555-15  
 Client ID: GW-2  
 Sample Location: BROOKLYN, NY

Date Collected: 08/31/11 14:30  
 Date Received: 08/31/11  
 Field Prep: Not Specified

| Parameter                                    | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |      |      |                 |
| Methyl tert butyl ether                      | ND     |           | ug/l  | 1.0  | 0.16 | 1               |
| p/m-Xylene                                   | ND     |           | ug/l  | 1.0  | 0.35 | 1               |
| o-Xylene                                     | ND     |           | ug/l  | 1.0  | 0.33 | 1               |
| cis-1,2-Dichloroethene                       | ND     |           | ug/l  | 0.50 | 0.19 | 1               |
| Dibromomethane                               | ND     |           | ug/l  | 5.0  | 0.36 | 1               |
| 1,2,3-Trichloropropane                       | ND     |           | ug/l  | 5.0  | 0.43 | 1               |
| Acrylonitrile                                | ND     |           | ug/l  | 5.0  | 0.43 | 1               |
| Styrene                                      | ND     |           | ug/l  | 1.0  | 0.36 | 1               |
| Dichlorodifluoromethane                      | ND     |           | ug/l  | 5.0  | 0.30 | 1               |
| Acetone                                      | 26     |           | ug/l  | 5.0  | 1.6  | 1               |
| Carbon disulfide                             | ND     |           | ug/l  | 5.0  | 0.30 | 1               |
| 2-Butanone                                   | ND     |           | ug/l  | 5.0  | 1.9  | 1               |
| Vinyl acetate                                | ND     |           | ug/l  | 5.0  | 0.31 | 1               |
| 4-Methyl-2-pentanone                         | ND     |           | ug/l  | 5.0  | 0.42 | 1               |
| 2-Hexanone                                   | ND     |           | ug/l  | 5.0  | 0.58 | 1               |
| Bromochloromethane                           | ND     |           | ug/l  | 2.5  | 0.33 | 1               |
| 2,2-Dichloropropane                          | ND     |           | ug/l  | 2.5  | 0.40 | 1               |
| 1,2-Dibromoethane                            | ND     |           | ug/l  | 2.0  | 0.19 | 1               |
| 1,3-Dichloropropane                          | ND     |           | ug/l  | 2.5  | 0.21 | 1               |
| 1,1,1,2-Tetrachloroethane                    | ND     |           | ug/l  | 0.50 | 0.16 | 1               |
| Bromobenzene                                 | ND     |           | ug/l  | 2.5  | 0.18 | 1               |
| n-Butylbenzene                               | ND     |           | ug/l  | 0.50 | 0.20 | 1               |
| sec-Butylbenzene                             | ND     |           | ug/l  | 0.50 | 0.18 | 1               |
| tert-Butylbenzene                            | ND     |           | ug/l  | 2.5  | 0.30 | 1               |
| o-Chlorotoluene                              | ND     |           | ug/l  | 2.5  | 0.18 | 1               |
| p-Chlorotoluene                              | ND     |           | ug/l  | 2.5  | 0.18 | 1               |
| 1,2-Dibromo-3-chloropropane                  | ND     |           | ug/l  | 2.5  | 0.33 | 1               |
| Hexachlorobutadiene                          | ND     |           | ug/l  | 0.60 | 0.23 | 1               |
| Isopropylbenzene                             | ND     |           | ug/l  | 0.50 | 0.19 | 1               |
| p-Isopropyltoluene                           | ND     |           | ug/l  | 0.50 | 0.19 | 1               |
| Naphthalene                                  | 1.7    | J         | ug/l  | 2.5  | 0.22 | 1               |
| n-Propylbenzene                              | ND     |           | ug/l  | 0.50 | 0.17 | 1               |
| 1,2,3-Trichlorobenzene                       | ND     |           | ug/l  | 2.5  | 0.23 | 1               |
| 1,2,4-Trichlorobenzene                       | ND     |           | ug/l  | 2.5  | 0.22 | 1               |
| 1,3,5-Trimethylbenzene                       | ND     |           | ug/l  | 2.5  | 0.21 | 1               |
| 1,2,4-Trimethylbenzene                       | ND     |           | ug/l  | 2.5  | 0.27 | 1               |
| 1,4-Diethylbenzene                           | ND     |           | ug/l  | 2.0  | 0.11 | 1               |
| 4-Ethyltoluene                               | ND     |           | ug/l  | 2.0  | 0.42 | 1               |
| 1,2,4,5-Tetramethylbenzene                   | ND     |           | ug/l  | 2.0  | 0.10 | 1               |

**Project Name:** 264 N. 10TH ST.**Lab Number:** L1113555**Project Number:** 11338**Report Date:** 09/08/11**SAMPLE RESULTS**

Lab ID: L1113555-15  
 Client ID: GW-2  
 Sample Location: BROOKLYN, NY

Date Collected: 08/31/11 14:30  
 Date Received: 08/31/11  
 Field Prep: Not Specified

| Parameter                                    | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| Ethyl ether                                  | ND     |           | ug/l  | 2.5 | 0.20 | 1               |
| trans-1,4-Dichloro-2-butene                  | ND     |           | ug/l  | 2.5 | 0.17 | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 107        |           | 70-130              |
| Toluene-d8            | 95         |           | 70-130              |
| 4-Bromofluorobenzene  | 99         |           | 70-130              |
| Dibromofluoromethane  | 101        |           | 70-130              |

**Project Name:** 264 N. 10TH ST.**Lab Number:** L1113555**Project Number:** 11338**Report Date:** 09/08/11**SAMPLE RESULTS**

Lab ID: L1113555-16  
 Client ID: FB  
 Sample Location: BROOKLYN, NY  
 Matrix: Water  
 Analytical Method: 1,8260B  
 Analytical Date: 09/05/11 19:15  
 Analyst: PD

Date Collected: 08/31/11 14:36  
 Date Received: 08/31/11  
 Field Prep: Not Specified

| Parameter                                           | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|-----------------------------------------------------|--------|-----------|-------|------|------|-----------------|
| <b>Volatile Organics by GC/MS - Westborough Lab</b> |        |           |       |      |      |                 |
| Methylene chloride                                  | ND     |           | ug/l  | 5.0  | 0.54 | 1               |
| 1,1-Dichloroethane                                  | ND     |           | ug/l  | 0.75 | 0.22 | 1               |
| Chloroform                                          | ND     |           | ug/l  | 0.75 | 0.20 | 1               |
| Carbon tetrachloride                                | ND     |           | ug/l  | 0.50 | 0.16 | 1               |
| 1,2-Dichloropropane                                 | ND     |           | ug/l  | 1.8  | 0.30 | 1               |
| Dibromochloromethane                                | ND     |           | ug/l  | 0.50 | 0.19 | 1               |
| 1,1,2-Trichloroethane                               | ND     |           | ug/l  | 0.75 | 0.26 | 1               |
| Tetrachloroethene                                   | ND     |           | ug/l  | 0.50 | 0.18 | 1               |
| Chlorobenzene                                       | ND     |           | ug/l  | 0.50 | 0.19 | 1               |
| Trichlorofluoromethane                              | ND     |           | ug/l  | 2.5  | 0.27 | 1               |
| 1,2-Dichloroethane                                  | ND     |           | ug/l  | 0.50 | 0.16 | 1               |
| 1,1,1-Trichloroethane                               | ND     |           | ug/l  | 0.50 | 0.16 | 1               |
| Bromodichloromethane                                | ND     |           | ug/l  | 0.50 | 0.19 | 1               |
| trans-1,3-Dichloropropene                           | ND     |           | ug/l  | 0.50 | 0.16 | 1               |
| cis-1,3-Dichloropropene                             | ND     |           | ug/l  | 0.50 | 0.14 | 1               |
| 1,1-Dichloropropene                                 | ND     |           | ug/l  | 2.5  | 0.26 | 1               |
| Bromoform                                           | ND     |           | ug/l  | 2.0  | 0.25 | 1               |
| 1,1,2,2-Tetrachloroethane                           | ND     |           | ug/l  | 0.50 | 0.19 | 1               |
| Benzene                                             | ND     |           | ug/l  | 0.50 | 0.19 | 1               |
| Toluene                                             | 0.99   |           | ug/l  | 0.75 | 0.23 | 1               |
| Ethylbenzene                                        | ND     |           | ug/l  | 0.50 | 0.26 | 1               |
| Chloromethane                                       | ND     |           | ug/l  | 2.5  | 0.28 | 1               |
| Bromomethane                                        | ND     |           | ug/l  | 1.0  | 0.26 | 1               |
| Vinyl chloride                                      | ND     |           | ug/l  | 1.0  | 0.22 | 1               |
| Chloroethane                                        | ND     |           | ug/l  | 1.0  | 0.23 | 1               |
| 1,1-Dichloroethene                                  | ND     |           | ug/l  | 0.50 | 0.18 | 1               |
| trans-1,2-Dichloroethene                            | ND     |           | ug/l  | 0.75 | 0.21 | 1               |
| Trichloroethene                                     | ND     |           | ug/l  | 0.50 | 0.17 | 1               |
| 1,2-Dichlorobenzene                                 | ND     |           | ug/l  | 2.5  | 0.18 | 1               |
| 1,3-Dichlorobenzene                                 | ND     |           | ug/l  | 2.5  | 0.19 | 1               |
| 1,4-Dichlorobenzene                                 | ND     |           | ug/l  | 2.5  | 0.22 | 1               |

Project Name: 264 N. 10TH ST.

Lab Number: L1113555

Project Number: 11338

Report Date: 09/08/11

## SAMPLE RESULTS

Lab ID: L1113555-16  
 Client ID: FB  
 Sample Location: BROOKLYN, NY

Date Collected: 08/31/11 14:36  
 Date Received: 08/31/11  
 Field Prep: Not Specified

| Parameter                                    | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |      |      |                 |
| Methyl tert butyl ether                      | ND     |           | ug/l  | 1.0  | 0.16 | 1               |
| p/m-Xylene                                   | 1.3    |           | ug/l  | 1.0  | 0.35 | 1               |
| o-Xylene                                     | 0.82   | J         | ug/l  | 1.0  | 0.33 | 1               |
| cis-1,2-Dichloroethene                       | ND     |           | ug/l  | 0.50 | 0.19 | 1               |
| Dibromomethane                               | ND     |           | ug/l  | 5.0  | 0.36 | 1               |
| 1,2,3-Trichloropropane                       | ND     |           | ug/l  | 5.0  | 0.43 | 1               |
| Acrylonitrile                                | ND     |           | ug/l  | 5.0  | 0.43 | 1               |
| Styrene                                      | ND     |           | ug/l  | 1.0  | 0.36 | 1               |
| Dichlorodifluoromethane                      | ND     |           | ug/l  | 5.0  | 0.30 | 1               |
| Acetone                                      | 9.9    |           | ug/l  | 5.0  | 1.6  | 1               |
| Carbon disulfide                             | ND     |           | ug/l  | 5.0  | 0.30 | 1               |
| 2-Butanone                                   | ND     |           | ug/l  | 5.0  | 1.9  | 1               |
| Vinyl acetate                                | ND     |           | ug/l  | 5.0  | 0.31 | 1               |
| 4-Methyl-2-pentanone                         | ND     |           | ug/l  | 5.0  | 0.42 | 1               |
| 2-Hexanone                                   | ND     |           | ug/l  | 5.0  | 0.58 | 1               |
| Bromochloromethane                           | ND     |           | ug/l  | 2.5  | 0.33 | 1               |
| 2,2-Dichloropropane                          | ND     |           | ug/l  | 2.5  | 0.40 | 1               |
| 1,2-Dibromoethane                            | ND     |           | ug/l  | 2.0  | 0.19 | 1               |
| 1,3-Dichloropropane                          | ND     |           | ug/l  | 2.5  | 0.21 | 1               |
| 1,1,1,2-Tetrachloroethane                    | ND     |           | ug/l  | 0.50 | 0.16 | 1               |
| Bromobenzene                                 | ND     |           | ug/l  | 2.5  | 0.18 | 1               |
| n-Butylbenzene                               | ND     |           | ug/l  | 0.50 | 0.20 | 1               |
| sec-Butylbenzene                             | ND     |           | ug/l  | 0.50 | 0.18 | 1               |
| tert-Butylbenzene                            | ND     |           | ug/l  | 2.5  | 0.30 | 1               |
| o-Chlorotoluene                              | ND     |           | ug/l  | 2.5  | 0.18 | 1               |
| p-Chlorotoluene                              | ND     |           | ug/l  | 2.5  | 0.18 | 1               |
| 1,2-Dibromo-3-chloropropane                  | ND     |           | ug/l  | 2.5  | 0.33 | 1               |
| Hexachlorobutadiene                          | ND     |           | ug/l  | 0.60 | 0.23 | 1               |
| Isopropylbenzene                             | ND     |           | ug/l  | 0.50 | 0.19 | 1               |
| p-Isopropyltoluene                           | ND     |           | ug/l  | 0.50 | 0.19 | 1               |
| Naphthalene                                  | 1.1    | J         | ug/l  | 2.5  | 0.22 | 1               |
| n-Propylbenzene                              | ND     |           | ug/l  | 0.50 | 0.17 | 1               |
| 1,2,3-Trichlorobenzene                       | ND     |           | ug/l  | 2.5  | 0.23 | 1               |
| 1,2,4-Trichlorobenzene                       | ND     |           | ug/l  | 2.5  | 0.22 | 1               |
| 1,3,5-Trimethylbenzene                       | ND     |           | ug/l  | 2.5  | 0.21 | 1               |
| 1,2,4-Trimethylbenzene                       | ND     |           | ug/l  | 2.5  | 0.27 | 1               |
| 1,4-Diethylbenzene                           | ND     |           | ug/l  | 2.0  | 0.11 | 1               |
| 4-Ethyltoluene                               | ND     |           | ug/l  | 2.0  | 0.42 | 1               |
| 1,2,4,5-Tetramethylbenzene                   | ND     |           | ug/l  | 2.0  | 0.10 | 1               |

**Project Name:** 264 N. 10TH ST.**Lab Number:** L1113555**Project Number:** 11338**Report Date:** 09/08/11**SAMPLE RESULTS**

Lab ID: L1113555-16  
 Client ID: FB  
 Sample Location: BROOKLYN, NY

Date Collected: 08/31/11 14:36  
 Date Received: 08/31/11  
 Field Prep: Not Specified

| Parameter                                    | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| Ethyl ether                                  | ND     |           | ug/l  | 2.5 | 0.20 | 1               |
| trans-1,4-Dichloro-2-butene                  | ND     |           | ug/l  | 2.5 | 0.17 | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 108        |           | 70-130              |
| Toluene-d8            | 95         |           | 70-130              |
| 4-Bromofluorobenzene  | 99         |           | 70-130              |
| Dibromofluoromethane  | 103        |           | 70-130              |

**Project Name:** 264 N. 10TH ST.**Lab Number:** L1113555**Project Number:** 11338**Report Date:** 09/08/11**SAMPLE RESULTS**

**Lab ID:** L1113555-17  
**Client ID:** TB  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Water  
**Analytical Method:** 1,8260B  
**Analytical Date:** 09/05/11 19:41  
**Analyst:** PD

**Date Collected:** 08/31/11 00:00  
**Date Received:** 08/31/11  
**Field Prep:** Not Specified

| Parameter                                           | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|-----------------------------------------------------|--------|-----------|-------|------|------|-----------------|
| <b>Volatile Organics by GC/MS - Westborough Lab</b> |        |           |       |      |      |                 |
| Methylene chloride                                  | ND     |           | ug/l  | 5.0  | 0.54 | 1               |
| 1,1-Dichloroethane                                  | ND     |           | ug/l  | 0.75 | 0.22 | 1               |
| Chloroform                                          | ND     |           | ug/l  | 0.75 | 0.20 | 1               |
| Carbon tetrachloride                                | ND     |           | ug/l  | 0.50 | 0.16 | 1               |
| 1,2-Dichloropropane                                 | ND     |           | ug/l  | 1.8  | 0.30 | 1               |
| Dibromochloromethane                                | ND     |           | ug/l  | 0.50 | 0.19 | 1               |
| 1,1,2-Trichloroethane                               | ND     |           | ug/l  | 0.75 | 0.26 | 1               |
| Tetrachloroethene                                   | ND     |           | ug/l  | 0.50 | 0.18 | 1               |
| Chlorobenzene                                       | ND     |           | ug/l  | 0.50 | 0.19 | 1               |
| Trichlorofluoromethane                              | ND     |           | ug/l  | 2.5  | 0.27 | 1               |
| 1,2-Dichloroethane                                  | ND     |           | ug/l  | 0.50 | 0.16 | 1               |
| 1,1,1-Trichloroethane                               | ND     |           | ug/l  | 0.50 | 0.16 | 1               |
| Bromodichloromethane                                | ND     |           | ug/l  | 0.50 | 0.19 | 1               |
| trans-1,3-Dichloropropene                           | ND     |           | ug/l  | 0.50 | 0.16 | 1               |
| cis-1,3-Dichloropropene                             | ND     |           | ug/l  | 0.50 | 0.14 | 1               |
| 1,1-Dichloropropene                                 | ND     |           | ug/l  | 2.5  | 0.26 | 1               |
| Bromoform                                           | ND     |           | ug/l  | 2.0  | 0.25 | 1               |
| 1,1,2,2-Tetrachloroethane                           | ND     |           | ug/l  | 0.50 | 0.19 | 1               |
| Benzene                                             | ND     |           | ug/l  | 0.50 | 0.19 | 1               |
| Toluene                                             | ND     |           | ug/l  | 0.75 | 0.23 | 1               |
| Ethylbenzene                                        | ND     |           | ug/l  | 0.50 | 0.26 | 1               |
| Chloromethane                                       | ND     |           | ug/l  | 2.5  | 0.28 | 1               |
| Bromomethane                                        | ND     |           | ug/l  | 1.0  | 0.26 | 1               |
| Vinyl chloride                                      | ND     |           | ug/l  | 1.0  | 0.22 | 1               |
| Chloroethane                                        | ND     |           | ug/l  | 1.0  | 0.23 | 1               |
| 1,1-Dichloroethene                                  | ND     |           | ug/l  | 0.50 | 0.18 | 1               |
| trans-1,2-Dichloroethene                            | ND     |           | ug/l  | 0.75 | 0.21 | 1               |
| Trichloroethene                                     | ND     |           | ug/l  | 0.50 | 0.17 | 1               |
| 1,2-Dichlorobenzene                                 | ND     |           | ug/l  | 2.5  | 0.18 | 1               |
| 1,3-Dichlorobenzene                                 | ND     |           | ug/l  | 2.5  | 0.19 | 1               |
| 1,4-Dichlorobenzene                                 | ND     |           | ug/l  | 2.5  | 0.22 | 1               |

Project Name: 264 N. 10TH ST.

Lab Number: L1113555

Project Number: 11338

Report Date: 09/08/11

## SAMPLE RESULTS

Lab ID: L1113555-17  
 Client ID: TB  
 Sample Location: BROOKLYN, NY

Date Collected: 08/31/11 00:00  
 Date Received: 08/31/11  
 Field Prep: Not Specified

| Parameter                                    | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |      |      |                 |
| Methyl tert butyl ether                      | ND     |           | ug/l  | 1.0  | 0.16 | 1               |
| p/m-Xylene                                   | ND     |           | ug/l  | 1.0  | 0.35 | 1               |
| o-Xylene                                     | ND     |           | ug/l  | 1.0  | 0.33 | 1               |
| cis-1,2-Dichloroethene                       | ND     |           | ug/l  | 0.50 | 0.19 | 1               |
| Dibromomethane                               | ND     |           | ug/l  | 5.0  | 0.36 | 1               |
| 1,2,3-Trichloropropane                       | ND     |           | ug/l  | 5.0  | 0.43 | 1               |
| Acrylonitrile                                | ND     |           | ug/l  | 5.0  | 0.43 | 1               |
| Styrene                                      | ND     |           | ug/l  | 1.0  | 0.36 | 1               |
| Dichlorodifluoromethane                      | ND     |           | ug/l  | 5.0  | 0.30 | 1               |
| Acetone                                      | 2.9    | J         | ug/l  | 5.0  | 1.6  | 1               |
| Carbon disulfide                             | ND     |           | ug/l  | 5.0  | 0.30 | 1               |
| 2-Butanone                                   | ND     |           | ug/l  | 5.0  | 1.9  | 1               |
| Vinyl acetate                                | ND     |           | ug/l  | 5.0  | 0.31 | 1               |
| 4-Methyl-2-pentanone                         | ND     |           | ug/l  | 5.0  | 0.42 | 1               |
| 2-Hexanone                                   | ND     |           | ug/l  | 5.0  | 0.58 | 1               |
| Bromochloromethane                           | ND     |           | ug/l  | 2.5  | 0.33 | 1               |
| 2,2-Dichloropropane                          | ND     |           | ug/l  | 2.5  | 0.40 | 1               |
| 1,2-Dibromoethane                            | ND     |           | ug/l  | 2.0  | 0.19 | 1               |
| 1,3-Dichloropropane                          | ND     |           | ug/l  | 2.5  | 0.21 | 1               |
| 1,1,1,2-Tetrachloroethane                    | ND     |           | ug/l  | 0.50 | 0.16 | 1               |
| Bromobenzene                                 | ND     |           | ug/l  | 2.5  | 0.18 | 1               |
| n-Butylbenzene                               | ND     |           | ug/l  | 0.50 | 0.20 | 1               |
| sec-Butylbenzene                             | ND     |           | ug/l  | 0.50 | 0.18 | 1               |
| tert-Butylbenzene                            | ND     |           | ug/l  | 2.5  | 0.30 | 1               |
| o-Chlorotoluene                              | ND     |           | ug/l  | 2.5  | 0.18 | 1               |
| p-Chlorotoluene                              | ND     |           | ug/l  | 2.5  | 0.18 | 1               |
| 1,2-Dibromo-3-chloropropane                  | ND     |           | ug/l  | 2.5  | 0.33 | 1               |
| Hexachlorobutadiene                          | ND     |           | ug/l  | 0.60 | 0.23 | 1               |
| Isopropylbenzene                             | ND     |           | ug/l  | 0.50 | 0.19 | 1               |
| p-Isopropyltoluene                           | ND     |           | ug/l  | 0.50 | 0.19 | 1               |
| Naphthalene                                  | ND     |           | ug/l  | 2.5  | 0.22 | 1               |
| n-Propylbenzene                              | ND     |           | ug/l  | 0.50 | 0.17 | 1               |
| 1,2,3-Trichlorobenzene                       | ND     |           | ug/l  | 2.5  | 0.23 | 1               |
| 1,2,4-Trichlorobenzene                       | ND     |           | ug/l  | 2.5  | 0.22 | 1               |
| 1,3,5-Trimethylbenzene                       | ND     |           | ug/l  | 2.5  | 0.21 | 1               |
| 1,2,4-Trimethylbenzene                       | ND     |           | ug/l  | 2.5  | 0.27 | 1               |
| 1,4-Diethylbenzene                           | ND     |           | ug/l  | 2.0  | 0.11 | 1               |
| 4-Ethyltoluene                               | ND     |           | ug/l  | 2.0  | 0.42 | 1               |
| 1,2,4,5-Tetramethylbenzene                   | ND     |           | ug/l  | 2.0  | 0.10 | 1               |

**Project Name:** 264 N. 10TH ST.**Lab Number:** L1113555**Project Number:** 11338**Report Date:** 09/08/11**SAMPLE RESULTS**

Lab ID: L1113555-17  
 Client ID: TB  
 Sample Location: BROOKLYN, NY

Date Collected: 08/31/11 00:00  
 Date Received: 08/31/11  
 Field Prep: Not Specified

| Parameter                                    | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| Ethyl ether                                  | ND     |           | ug/l  | 2.5 | 0.20 | 1               |
| trans-1,4-Dichloro-2-butene                  | ND     |           | ug/l  | 2.5 | 0.17 | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 107        |           | 70-130              |
| Toluene-d8            | 96         |           | 70-130              |
| 4-Bromofluorobenzene  | 99         |           | 70-130              |
| Dibromofluoromethane  | 103        |           | 70-130              |

**Project Name:** 264 N. 10TH ST.  
**Project Number:** 11338

**Lab Number:** L1113555  
**Report Date:** 09/08/11

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260B  
Analytical Date: 09/05/11 11:29  
Analyst: PD

| Parameter                                                                           | Result | Qualifier | Units | RL   | MDL  |
|-------------------------------------------------------------------------------------|--------|-----------|-------|------|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 12-17 Batch: WG488210-3 |        |           |       |      |      |
| Methylene chloride                                                                  | ND     |           | ug/l  | 5.0  | 0.54 |
| 1,1-Dichloroethane                                                                  | ND     |           | ug/l  | 0.75 | 0.22 |
| Chloroform                                                                          | ND     |           | ug/l  | 0.75 | 0.20 |
| Carbon tetrachloride                                                                | ND     |           | ug/l  | 0.50 | 0.16 |
| 1,2-Dichloropropane                                                                 | ND     |           | ug/l  | 1.8  | 0.30 |
| Dibromochloromethane                                                                | ND     |           | ug/l  | 0.50 | 0.19 |
| 1,1,2-Trichloroethane                                                               | ND     |           | ug/l  | 0.75 | 0.26 |
| Tetrachloroethene                                                                   | ND     |           | ug/l  | 0.50 | 0.18 |
| Chlorobenzene                                                                       | ND     |           | ug/l  | 0.50 | 0.19 |
| Trichlorofluoromethane                                                              | ND     |           | ug/l  | 2.5  | 0.27 |
| 1,2-Dichloroethane                                                                  | ND     |           | ug/l  | 0.50 | 0.16 |
| 1,1,1-Trichloroethane                                                               | ND     |           | ug/l  | 0.50 | 0.16 |
| Bromodichloromethane                                                                | ND     |           | ug/l  | 0.50 | 0.19 |
| trans-1,3-Dichloropropene                                                           | ND     |           | ug/l  | 0.50 | 0.16 |
| cis-1,3-Dichloropropene                                                             | ND     |           | ug/l  | 0.50 | 0.14 |
| 1,1-Dichloropropene                                                                 | ND     |           | ug/l  | 2.5  | 0.26 |
| Bromoform                                                                           | ND     |           | ug/l  | 2.0  | 0.25 |
| 1,1,2,2-Tetrachloroethane                                                           | ND     |           | ug/l  | 0.50 | 0.19 |
| Benzene                                                                             | ND     |           | ug/l  | 0.50 | 0.19 |
| Toluene                                                                             | ND     |           | ug/l  | 0.75 | 0.23 |
| Ethylbenzene                                                                        | ND     |           | ug/l  | 0.50 | 0.26 |
| Chloromethane                                                                       | ND     |           | ug/l  | 2.5  | 0.28 |
| Bromomethane                                                                        | ND     |           | ug/l  | 1.0  | 0.26 |
| Vinyl chloride                                                                      | ND     |           | ug/l  | 1.0  | 0.22 |
| Chloroethane                                                                        | ND     |           | ug/l  | 1.0  | 0.23 |
| 1,1-Dichloroethene                                                                  | ND     |           | ug/l  | 0.50 | 0.18 |
| trans-1,2-Dichloroethene                                                            | ND     |           | ug/l  | 0.75 | 0.21 |
| Trichloroethene                                                                     | ND     |           | ug/l  | 0.50 | 0.17 |
| 1,2-Dichlorobenzene                                                                 | ND     |           | ug/l  | 2.5  | 0.18 |
| 1,3-Dichlorobenzene                                                                 | ND     |           | ug/l  | 2.5  | 0.19 |
| 1,4-Dichlorobenzene                                                                 | ND     |           | ug/l  | 2.5  | 0.22 |

**Project Name:** 264 N. 10TH ST.  
**Project Number:** 11338

**Lab Number:** L1113555  
**Report Date:** 09/08/11

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260B  
Analytical Date: 09/05/11 11:29  
Analyst: PD

| Parameter                                                                           | Result | Qualifier | Units | RL   | MDL  |
|-------------------------------------------------------------------------------------|--------|-----------|-------|------|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 12-17 Batch: WG488210-3 |        |           |       |      |      |
| Methyl tert butyl ether                                                             | ND     |           | ug/l  | 1.0  | 0.16 |
| p/m-Xylene                                                                          | ND     |           | ug/l  | 1.0  | 0.35 |
| o-Xylene                                                                            | ND     |           | ug/l  | 1.0  | 0.33 |
| cis-1,2-Dichloroethene                                                              | ND     |           | ug/l  | 0.50 | 0.19 |
| Dibromomethane                                                                      | ND     |           | ug/l  | 5.0  | 0.36 |
| 1,2,3-Trichloropropane                                                              | ND     |           | ug/l  | 5.0  | 0.43 |
| Acrylonitrile                                                                       | ND     |           | ug/l  | 5.0  | 0.43 |
| Styrene                                                                             | ND     |           | ug/l  | 1.0  | 0.36 |
| Dichlorodifluoromethane                                                             | ND     |           | ug/l  | 5.0  | 0.30 |
| Acetone                                                                             | ND     |           | ug/l  | 5.0  | 1.6  |
| Carbon disulfide                                                                    | ND     |           | ug/l  | 5.0  | 0.30 |
| 2-Butanone                                                                          | ND     |           | ug/l  | 5.0  | 1.9  |
| Vinyl acetate                                                                       | ND     |           | ug/l  | 5.0  | 0.31 |
| 4-Methyl-2-pentanone                                                                | ND     |           | ug/l  | 5.0  | 0.42 |
| 2-Hexanone                                                                          | ND     |           | ug/l  | 5.0  | 0.58 |
| Bromochloromethane                                                                  | ND     |           | ug/l  | 2.5  | 0.33 |
| 2,2-Dichloropropane                                                                 | ND     |           | ug/l  | 2.5  | 0.40 |
| 1,2-Dibromoethane                                                                   | ND     |           | ug/l  | 2.0  | 0.19 |
| 1,3-Dichloropropane                                                                 | ND     |           | ug/l  | 2.5  | 0.21 |
| 1,1,1,2-Tetrachloroethane                                                           | ND     |           | ug/l  | 0.50 | 0.16 |
| Bromobenzene                                                                        | ND     |           | ug/l  | 2.5  | 0.18 |
| n-Butylbenzene                                                                      | ND     |           | ug/l  | 0.50 | 0.20 |
| sec-Butylbenzene                                                                    | ND     |           | ug/l  | 0.50 | 0.18 |
| tert-Butylbenzene                                                                   | ND     |           | ug/l  | 2.5  | 0.30 |
| o-Chlorotoluene                                                                     | ND     |           | ug/l  | 2.5  | 0.18 |
| p-Chlorotoluene                                                                     | ND     |           | ug/l  | 2.5  | 0.18 |
| 1,2-Dibromo-3-chloropropane                                                         | ND     |           | ug/l  | 2.5  | 0.33 |
| Hexachlorobutadiene                                                                 | ND     |           | ug/l  | 0.60 | 0.23 |
| Isopropylbenzene                                                                    | ND     |           | ug/l  | 0.50 | 0.19 |
| p-Isopropyltoluene                                                                  | ND     |           | ug/l  | 0.50 | 0.19 |
| Naphthalene                                                                         | ND     |           | ug/l  | 2.5  | 0.22 |

**Project Name:** 264 N. 10TH ST.  
**Project Number:** 11338

**Lab Number:** L1113555  
**Report Date:** 09/08/11

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260B  
Analytical Date: 09/05/11 11:29  
Analyst: PD

| Parameter                                                                           | Result | Qualifier | Units | RL   | MDL  |
|-------------------------------------------------------------------------------------|--------|-----------|-------|------|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 12-17 Batch: WG488210-3 |        |           |       |      |      |
| n-Propylbenzene                                                                     | ND     |           | ug/l  | 0.50 | 0.17 |
| 1,2,3-Trichlorobenzene                                                              | ND     |           | ug/l  | 2.5  | 0.23 |
| 1,2,4-Trichlorobenzene                                                              | ND     |           | ug/l  | 2.5  | 0.22 |
| 1,3,5-Trimethylbenzene                                                              | ND     |           | ug/l  | 2.5  | 0.21 |
| 1,2,4-Trimethylbenzene                                                              | ND     |           | ug/l  | 2.5  | 0.27 |
| 1,4-Diethylbenzene                                                                  | ND     |           | ug/l  | 2.0  | 0.11 |
| 4-Ethyltoluene                                                                      | ND     |           | ug/l  | 2.0  | 0.42 |
| 1,2,4,5-Tetramethylbenzene                                                          | ND     |           | ug/l  | 2.0  | 0.10 |
| Ethyl ether                                                                         | ND     |           | ug/l  | 2.5  | 0.20 |
| trans-1,4-Dichloro-2-butene                                                         | ND     |           | ug/l  | 2.5  | 0.17 |

| Surrogate             | %Recovery | Qualifier | Acceptance Criteria |
|-----------------------|-----------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 106       |           | 70-130              |
| Toluene-d8            | 97        |           | 70-130              |
| 4-Bromofluorobenzene  | 100       |           | 70-130              |
| Dibromofluoromethane  | 101       |           | 70-130              |

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** 264 N. 10TH ST.  
**Project Number:** 11338

**Lab Number:** L1113555  
**Report Date:** 09/08/11

| Parameter                                                                                             | LCS       |      | LCSD      |      | %Recovery Limits | RPD | Qual | RPD Limits |
|-------------------------------------------------------------------------------------------------------|-----------|------|-----------|------|------------------|-----|------|------------|
|                                                                                                       | %Recovery | Qual | %Recovery | Qual |                  |     |      |            |
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 12-17 Batch: WG488210-1 WG488210-2 |           |      |           |      |                  |     |      |            |
| Chlorobenzene                                                                                         | 84        |      | 79        |      | 75-130           | 6   |      | 20         |
| Benzene                                                                                               | 96        |      | 89        |      | 76-127           | 8   |      | 20         |
| Toluene                                                                                               | 83        |      | 77        |      | 76-125           | 8   |      | 20         |
| 1,1-Dichloroethene                                                                                    | 87        |      | 80        |      | 61-145           | 8   |      | 20         |
| Trichloroethene                                                                                       | 93        |      | 84        |      | 71-120           | 10  |      | 20         |

| Surrogate             | LCS       |      | LCSD      |      | Acceptance Criteria |
|-----------------------|-----------|------|-----------|------|---------------------|
|                       | %Recovery | Qual | %Recovery | Qual |                     |
| 1,2-Dichloroethane-d4 | 106       |      | 104       |      | 70-130              |
| Toluene-d8            | 97        |      | 97        |      | 70-130              |
| 4-Bromofluorobenzene  | 100       |      | 100       |      | 70-130              |
| Dibromofluoromethane  | 104       |      | 101       |      | 70-130              |

# SEMIVOLATILES

Project Name: 264 N. 10TH ST.

Lab Number: L1113555

Project Number: 11338

Report Date: 09/08/11

## SAMPLE RESULTS

Lab ID: L1113555-12  
 Client ID: GW-12  
 Sample Location: BROOKLYN, NY  
 Matrix: Water  
 Analytical Method: 1,8270C  
 Analytical Date: 09/04/11 15:49  
 Analyst: JC

Date Collected: 08/31/11 10:10  
 Date Received: 08/31/11  
 Field Prep: Not Specified  
 Extraction Method: EPA 3510C  
 Extraction Date: 09/03/11 16:39

| Parameter                                            | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|------------------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab |        |           |       |      |      |                 |
| Acenaphthene                                         | 0.11   | J         | ug/l  | 0.20 | 0.06 | 1               |
| 2-Chloronaphthalene                                  | ND     |           | ug/l  | 0.20 | 0.07 | 1               |
| Fluoranthene                                         | 0.08   | J         | ug/l  | 0.20 | 0.04 | 1               |
| Hexachlorobutadiene                                  | ND     |           | ug/l  | 0.50 | 0.07 | 1               |
| Naphthalene                                          | ND     |           | ug/l  | 0.20 | 0.06 | 1               |
| Benzo(a)anthracene                                   | ND     |           | ug/l  | 0.20 | 0.06 | 1               |
| Benzo(a)pyrene                                       | 0.15   | J         | ug/l  | 0.20 | 0.07 | 1               |
| Benzo(b)fluoranthene                                 | 0.14   | J         | ug/l  | 0.20 | 0.07 | 1               |
| Benzo(k)fluoranthene                                 | ND     |           | ug/l  | 0.20 | 0.07 | 1               |
| Chrysene                                             | ND     |           | ug/l  | 0.20 | 0.05 | 1               |
| Acenaphthylene                                       | ND     |           | ug/l  | 0.20 | 0.05 | 1               |
| Anthracene                                           | ND     |           | ug/l  | 0.20 | 0.06 | 1               |
| Benzo(ghi)perylene                                   | 0.24   |           | ug/l  | 0.20 | 0.07 | 1               |
| Fluorene                                             | ND     |           | ug/l  | 0.20 | 0.06 | 1               |
| Phenanthrene                                         | 0.08   | J         | ug/l  | 0.20 | 0.06 | 1               |
| Dibenzo(a,h)anthracene                               | ND     |           | ug/l  | 0.20 | 0.07 | 1               |
| Indeno(1,2,3-cd)Pyrene                               | 0.27   |           | ug/l  | 0.20 | 0.08 | 1               |
| Pyrene                                               | 0.08   | J         | ug/l  | 0.20 | 0.06 | 1               |
| 2-Methylnaphthalene                                  | ND     |           | ug/l  | 0.20 | 0.06 | 1               |
| Pentachlorophenol                                    | ND     |           | ug/l  | 0.80 | 0.19 | 1               |
| Hexachlorobenzene                                    | ND     |           | ug/l  | 0.80 | 0.01 | 1               |
| Hexachloroethane                                     | ND     |           | ug/l  | 0.80 | 0.07 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 24         |           | 21-120              |
| Phenol-d6            | 17         |           | 10-120              |
| Nitrobenzene-d5      | 62         |           | 23-120              |
| 2-Fluorobiphenyl     | 64         |           | 15-120              |
| 2,4,6-Tribromophenol | 122        | Q         | 10-120              |
| 4-Terphenyl-d14      | 88         |           | 41-149              |

Project Name: 264 N. 10TH ST.

Lab Number: L1113555

Project Number: 11338

Report Date: 09/08/11

## SAMPLE RESULTS

Lab ID: L1113555-12  
 Client ID: GW-12  
 Sample Location: BROOKLYN, NY  
 Matrix: Water  
 Analytical Method: 1,8270C  
 Analytical Date: 09/04/11 17:13  
 Analyst: RC

Date Collected: 08/31/11 10:10  
 Date Received: 08/31/11  
 Field Prep: Not Specified  
 Extraction Method: EPA 3510C  
 Extraction Date: 09/03/11 16:37

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/l  | 5.0 | 0.67 | 1               |
| Bis(2-chloroethyl)ether                          | ND     |           | ug/l  | 2.0 | 0.39 | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/l  | 2.0 | 0.55 | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/l  | 2.0 | 0.55 | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/l  | 2.0 | 0.55 | 1               |
| 3,3'-Dichlorobenzidine                           | ND     |           | ug/l  | 5.0 | 0.85 | 1               |
| 2,4-Dinitrotoluene                               | ND     |           | ug/l  | 5.0 | 0.45 | 1               |
| 2,6-Dinitrotoluene                               | ND     |           | ug/l  | 5.0 | 0.46 | 1               |
| 4-Chlorophenyl phenyl ether                      | ND     |           | ug/l  | 2.0 | 0.61 | 1               |
| 4-Bromophenyl phenyl ether                       | ND     |           | ug/l  | 2.0 | 0.67 | 1               |
| Bis(2-chloroisopropyl)ether                      | ND     |           | ug/l  | 2.0 | 0.50 | 1               |
| Bis(2-chloroethoxy)methane                       | ND     |           | ug/l  | 5.0 | 0.40 | 1               |
| Hexachlorocyclopentadiene                        | ND     |           | ug/l  | 20  | 2.1  | 1               |
| Isophorone                                       | ND     |           | ug/l  | 5.0 | 0.35 | 1               |
| Nitrobenzene                                     | ND     |           | ug/l  | 2.0 | 0.50 | 1               |
| NitrosoDiPhenylAmine(NDPA)/DPA                   | ND     |           | ug/l  | 2.0 | 0.70 | 1               |
| n-Nitrosodi-n-propylamine                        | ND     |           | ug/l  | 5.0 | 0.39 | 1               |
| Bis(2-Ethylhexyl)phthalate                       | ND     |           | ug/l  | 3.0 | 1.4  | 1               |
| Butyl benzyl phthalate                           | ND     |           | ug/l  | 5.0 | 0.46 | 1               |
| Di-n-butylphthalate                              | ND     |           | ug/l  | 5.0 | 0.54 | 1               |
| Di-n-octylphthalate                              | ND     |           | ug/l  | 5.0 | 0.53 | 1               |
| Diethyl phthalate                                | ND     |           | ug/l  | 5.0 | 0.45 | 1               |
| Dimethyl phthalate                               | ND     |           | ug/l  | 5.0 | 0.45 | 1               |
| Biphenyl                                         | ND     |           | ug/l  | 2.0 | 0.50 | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/l  | 5.0 | 0.83 | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/l  | 5.0 | 0.40 | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/l  | 5.0 | 0.59 | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/l  | 5.0 | 0.55 | 1               |
| Dibenzofuran                                     | ND     |           | ug/l  | 2.0 | 0.47 | 1               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/l  | 10  | 0.65 | 1               |
| Acetophenone                                     | ND     |           | ug/l  | 5.0 | 0.55 | 1               |

Project Name: 264 N. 10TH ST.

Lab Number: L1113555

Project Number: 11338

Report Date: 09/08/11

## SAMPLE RESULTS

Lab ID: L1113555-12  
 Client ID: GW-12  
 Sample Location: BROOKLYN, NY

Date Collected: 08/31/11 10:10  
 Date Received: 08/31/11  
 Field Prep: Not Specified

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

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 25         |           | 21-120              |
| Phenol-d6            | 16         |           | 10-120              |
| Nitrobenzene-d5      | 67         |           | 23-120              |
| 2-Fluorobiphenyl     | 67         |           | 15-120              |
| 2,4,6-Tribromophenol | 93         |           | 10-120              |
| 4-Terphenyl-d14      | 96         |           | 41-149              |

Project Name: 264 N. 10TH ST.

Lab Number: L1113555

Project Number: 11338

Report Date: 09/08/11

## SAMPLE RESULTS

Lab ID: L1113555-13  
 Client ID: GW-15  
 Sample Location: BROOKLYN, NY  
 Matrix: Water  
 Analytical Method: 1,8270C  
 Analytical Date: 09/04/11 16:16  
 Analyst: JC

Date Collected: 08/31/11 12:07  
 Date Received: 08/31/11  
 Field Prep: Not Specified  
 Extraction Method: EPA 3510C  
 Extraction Date: 09/03/11 16:39

| Parameter                                            | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|------------------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab |        |           |       |      |      |                 |
| Acenaphthene                                         | 0.08   | J         | ug/l  | 0.20 | 0.06 | 1               |
| 2-Chloronaphthalene                                  | ND     |           | ug/l  | 0.20 | 0.07 | 1               |
| Fluoranthene                                         | 0.21   |           | ug/l  | 0.20 | 0.04 | 1               |
| Hexachlorobutadiene                                  | ND     |           | ug/l  | 0.50 | 0.07 | 1               |
| Naphthalene                                          | ND     |           | ug/l  | 0.20 | 0.06 | 1               |
| Benzo(a)anthracene                                   | 0.12   | J         | ug/l  | 0.20 | 0.06 | 1               |
| Benzo(a)pyrene                                       | 0.21   |           | ug/l  | 0.20 | 0.07 | 1               |
| Benzo(b)fluoranthene                                 | 0.19   | J         | ug/l  | 0.20 | 0.07 | 1               |
| Benzo(k)fluoranthene                                 | 0.08   | J         | ug/l  | 0.20 | 0.07 | 1               |
| Chrysene                                             | 0.10   | J         | ug/l  | 0.20 | 0.05 | 1               |
| Acenaphthylene                                       | ND     |           | ug/l  | 0.20 | 0.05 | 1               |
| Anthracene                                           | 0.07   | J         | ug/l  | 0.20 | 0.06 | 1               |
| Benzo(ghi)perylene                                   | 0.27   |           | ug/l  | 0.20 | 0.07 | 1               |
| Fluorene                                             | ND     |           | ug/l  | 0.20 | 0.06 | 1               |
| Phenanthrene                                         | 0.21   |           | ug/l  | 0.20 | 0.06 | 1               |
| Dibenzo(a,h)anthracene                               | ND     |           | ug/l  | 0.20 | 0.07 | 1               |
| Indeno(1,2,3-cd)Pyrene                               | 0.30   |           | ug/l  | 0.20 | 0.08 | 1               |
| Pyrene                                               | 0.18   | J         | ug/l  | 0.20 | 0.06 | 1               |
| 2-Methylnaphthalene                                  | ND     |           | ug/l  | 0.20 | 0.06 | 1               |
| Pentachlorophenol                                    | ND     |           | ug/l  | 0.80 | 0.19 | 1               |
| Hexachlorobenzene                                    | ND     |           | ug/l  | 0.80 | 0.01 | 1               |
| Hexachloroethane                                     | ND     |           | ug/l  | 0.80 | 0.07 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 16         | Q         | 21-120              |
| Phenol-d6            | 11         |           | 10-120              |
| Nitrobenzene-d5      | 51         |           | 23-120              |
| 2-Fluorobiphenyl     | 54         |           | 15-120              |
| 2,4,6-Tribromophenol | 115        |           | 10-120              |
| 4-Terphenyl-d14      | 74         |           | 41-149              |

**Project Name:** 264 N. 10TH ST.**Lab Number:** L1113555**Project Number:** 11338**Report Date:** 09/08/11**SAMPLE RESULTS**

**Lab ID:** L1113555-13  
**Client ID:** GW-15  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Water  
**Analytical Method:** 1,8270C  
**Analytical Date:** 09/04/11 17:38  
**Analyst:** RC

**Date Collected:** 08/31/11 12:07  
**Date Received:** 08/31/11  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3510C  
**Extraction Date:** 09/03/11 16:37

| Parameter                                               | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|---------------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| <b>Semivolatile Organics by GC/MS - Westborough Lab</b> |        |           |       |     |      |                 |
| 1,2,4-Trichlorobenzene                                  | ND     |           | ug/l  | 5.0 | 0.67 | 1               |
| Bis(2-chloroethyl)ether                                 | ND     |           | ug/l  | 2.0 | 0.39 | 1               |
| 1,2-Dichlorobenzene                                     | ND     |           | ug/l  | 2.0 | 0.55 | 1               |
| 1,3-Dichlorobenzene                                     | ND     |           | ug/l  | 2.0 | 0.55 | 1               |
| 1,4-Dichlorobenzene                                     | ND     |           | ug/l  | 2.0 | 0.55 | 1               |
| 3,3'-Dichlorobenzidine                                  | ND     |           | ug/l  | 5.0 | 0.85 | 1               |
| 2,4-Dinitrotoluene                                      | ND     |           | ug/l  | 5.0 | 0.45 | 1               |
| 2,6-Dinitrotoluene                                      | ND     |           | ug/l  | 5.0 | 0.46 | 1               |
| 4-Chlorophenyl phenyl ether                             | ND     |           | ug/l  | 2.0 | 0.61 | 1               |
| 4-Bromophenyl phenyl ether                              | ND     |           | ug/l  | 2.0 | 0.67 | 1               |
| Bis(2-chloroisopropyl)ether                             | ND     |           | ug/l  | 2.0 | 0.50 | 1               |
| Bis(2-chloroethoxy)methane                              | ND     |           | ug/l  | 5.0 | 0.40 | 1               |
| Hexachlorocyclopentadiene                               | ND     |           | ug/l  | 20  | 2.1  | 1               |
| Isophorone                                              | ND     |           | ug/l  | 5.0 | 0.35 | 1               |
| Nitrobenzene                                            | ND     |           | ug/l  | 2.0 | 0.50 | 1               |
| NitrosoDiPhenylAmine(NDPA)/DPA                          | ND     |           | ug/l  | 2.0 | 0.70 | 1               |
| n-Nitrosodi-n-propylamine                               | ND     |           | ug/l  | 5.0 | 0.39 | 1               |
| Bis(2-Ethylhexyl)phthalate                              | ND     |           | ug/l  | 3.0 | 1.4  | 1               |
| Butyl benzyl phthalate                                  | ND     |           | ug/l  | 5.0 | 0.46 | 1               |
| Di-n-butylphthalate                                     | ND     |           | ug/l  | 5.0 | 0.54 | 1               |
| Di-n-octylphthalate                                     | ND     |           | ug/l  | 5.0 | 0.53 | 1               |
| Diethyl phthalate                                       | ND     |           | ug/l  | 5.0 | 0.45 | 1               |
| Dimethyl phthalate                                      | ND     |           | ug/l  | 5.0 | 0.45 | 1               |
| Biphenyl                                                | ND     |           | ug/l  | 2.0 | 0.50 | 1               |
| 4-Chloroaniline                                         | ND     |           | ug/l  | 5.0 | 0.83 | 1               |
| 2-Nitroaniline                                          | ND     |           | ug/l  | 5.0 | 0.40 | 1               |
| 3-Nitroaniline                                          | ND     |           | ug/l  | 5.0 | 0.59 | 1               |
| 4-Nitroaniline                                          | ND     |           | ug/l  | 5.0 | 0.55 | 1               |
| Dibenzofuran                                            | ND     |           | ug/l  | 2.0 | 0.47 | 1               |
| 1,2,4,5-Tetrachlorobenzene                              | ND     |           | ug/l  | 10  | 0.65 | 1               |
| Acetophenone                                            | ND     |           | ug/l  | 5.0 | 0.55 | 1               |

Project Name: 264 N. 10TH ST.

Lab Number: L1113555

Project Number: 11338

Report Date: 09/08/11

## SAMPLE RESULTS

Lab ID: L1113555-13  
 Client ID: GW-15  
 Sample Location: BROOKLYN, NY

Date Collected: 08/31/11 12:07  
 Date Received: 08/31/11  
 Field Prep: Not Specified

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

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 17         | Q         | 21-120              |
| Phenol-d6            | 10         |           | 10-120              |
| Nitrobenzene-d5      | 52         |           | 23-120              |
| 2-Fluorobiphenyl     | 60         |           | 15-120              |
| 2,4,6-Tribromophenol | 87         |           | 10-120              |
| 4-Terphenyl-d14      | 81         |           | 41-149              |

Project Name: 264 N. 10TH ST.

Lab Number: L1113555

Project Number: 11338

Report Date: 09/08/11

## SAMPLE RESULTS

Lab ID: L1113555-14  
 Client ID: GW-8  
 Sample Location: BROOKLYN, NY  
 Matrix: Water  
 Analytical Method: 1,8270C  
 Analytical Date: 09/04/11 16:43  
 Analyst: JC

Date Collected: 08/31/11 13:05  
 Date Received: 08/31/11  
 Field Prep: Not Specified  
 Extraction Method: EPA 3510C  
 Extraction Date: 09/03/11 16:39

| Parameter                                            | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|------------------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab |        |           |       |      |      |                 |
| Acenaphthene                                         | 0.42   |           | ug/l  | 0.20 | 0.06 | 1               |
| 2-Chloronaphthalene                                  | ND     |           | ug/l  | 0.20 | 0.07 | 1               |
| Fluoranthene                                         | 0.14   | J         | ug/l  | 0.20 | 0.04 | 1               |
| Hexachlorobutadiene                                  | ND     |           | ug/l  | 0.50 | 0.07 | 1               |
| Naphthalene                                          | 1.2    |           | ug/l  | 0.20 | 0.06 | 1               |
| Benzo(a)anthracene                                   | 0.08   | J         | ug/l  | 0.20 | 0.06 | 1               |
| Benzo(a)pyrene                                       | 0.17   | J         | ug/l  | 0.20 | 0.07 | 1               |
| Benzo(b)fluoranthene                                 | 0.17   | J         | ug/l  | 0.20 | 0.07 | 1               |
| Benzo(k)fluoranthene                                 | ND     |           | ug/l  | 0.20 | 0.07 | 1               |
| Chrysene                                             | 0.06   | J         | ug/l  | 0.20 | 0.05 | 1               |
| Acenaphthylene                                       | ND     |           | ug/l  | 0.20 | 0.05 | 1               |
| Anthracene                                           | 0.12   | J         | ug/l  | 0.20 | 0.06 | 1               |
| Benzo(ghi)perylene                                   | 0.27   |           | ug/l  | 0.20 | 0.07 | 1               |
| Fluorene                                             | 0.27   |           | ug/l  | 0.20 | 0.06 | 1               |
| Phenanthrene                                         | 0.32   |           | ug/l  | 0.20 | 0.06 | 1               |
| Dibenzo(a,h)anthracene                               | 0.36   |           | ug/l  | 0.20 | 0.07 | 1               |
| Indeno(1,2,3-cd)Pyrene                               | 0.29   |           | ug/l  | 0.20 | 0.08 | 1               |
| Pyrene                                               | 0.12   | J         | ug/l  | 0.20 | 0.06 | 1               |
| 2-Methylnaphthalene                                  | 0.24   |           | ug/l  | 0.20 | 0.06 | 1               |
| Pentachlorophenol                                    | ND     |           | ug/l  | 0.80 | 0.19 | 1               |
| Hexachlorobenzene                                    | ND     |           | ug/l  | 0.80 | 0.01 | 1               |
| Hexachloroethane                                     | ND     |           | ug/l  | 0.80 | 0.07 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 21         |           | 21-120              |
| Phenol-d6            | 14         |           | 10-120              |
| Nitrobenzene-d5      | 67         |           | 23-120              |
| 2-Fluorobiphenyl     | 70         |           | 15-120              |
| 2,4,6-Tribromophenol | 131        | Q         | 10-120              |
| 4-Terphenyl-d14      | 87         |           | 41-149              |

Project Name: 264 N. 10TH ST.

Lab Number: L1113555

Project Number: 11338

Report Date: 09/08/11

## SAMPLE RESULTS

Lab ID: L1113555-14  
 Client ID: GW-8  
 Sample Location: BROOKLYN, NY  
 Matrix: Water  
 Analytical Method: 1,8270C  
 Analytical Date: 09/04/11 18:03  
 Analyst: RC

Date Collected: 08/31/11 13:05  
 Date Received: 08/31/11  
 Field Prep: Not Specified  
 Extraction Method: EPA 3510C  
 Extraction Date: 09/03/11 16:37

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/l  | 5.0 | 0.67 | 1               |
| Bis(2-chloroethyl)ether                          | ND     |           | ug/l  | 2.0 | 0.39 | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/l  | 2.0 | 0.55 | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/l  | 2.0 | 0.55 | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/l  | 2.0 | 0.55 | 1               |
| 3,3'-Dichlorobenzidine                           | ND     |           | ug/l  | 5.0 | 0.85 | 1               |
| 2,4-Dinitrotoluene                               | ND     |           | ug/l  | 5.0 | 0.45 | 1               |
| 2,6-Dinitrotoluene                               | ND     |           | ug/l  | 5.0 | 0.46 | 1               |
| 4-Chlorophenyl phenyl ether                      | ND     |           | ug/l  | 2.0 | 0.61 | 1               |
| 4-Bromophenyl phenyl ether                       | ND     |           | ug/l  | 2.0 | 0.67 | 1               |
| Bis(2-chloroisopropyl)ether                      | ND     |           | ug/l  | 2.0 | 0.50 | 1               |
| Bis(2-chloroethoxy)methane                       | ND     |           | ug/l  | 5.0 | 0.40 | 1               |
| Hexachlorocyclopentadiene                        | ND     |           | ug/l  | 20  | 2.1  | 1               |
| Isophorone                                       | ND     |           | ug/l  | 5.0 | 0.35 | 1               |
| Nitrobenzene                                     | ND     |           | ug/l  | 2.0 | 0.50 | 1               |
| NitrosoDiPhenylAmine(NDPA)/DPA                   | ND     |           | ug/l  | 2.0 | 0.70 | 1               |
| n-Nitrosodi-n-propylamine                        | ND     |           | ug/l  | 5.0 | 0.39 | 1               |
| Bis(2-Ethylhexyl)phthalate                       | ND     |           | ug/l  | 3.0 | 1.4  | 1               |
| Butyl benzyl phthalate                           | ND     |           | ug/l  | 5.0 | 0.46 | 1               |
| Di-n-butylphthalate                              | ND     |           | ug/l  | 5.0 | 0.54 | 1               |
| Di-n-octylphthalate                              | ND     |           | ug/l  | 5.0 | 0.53 | 1               |
| Diethyl phthalate                                | ND     |           | ug/l  | 5.0 | 0.45 | 1               |
| Dimethyl phthalate                               | ND     |           | ug/l  | 5.0 | 0.45 | 1               |
| Biphenyl                                         | ND     |           | ug/l  | 2.0 | 0.50 | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/l  | 5.0 | 0.83 | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/l  | 5.0 | 0.40 | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/l  | 5.0 | 0.59 | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/l  | 5.0 | 0.55 | 1               |
| Dibenzofuran                                     | ND     |           | ug/l  | 2.0 | 0.47 | 1               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/l  | 10  | 0.65 | 1               |
| Acetophenone                                     | ND     |           | ug/l  | 5.0 | 0.55 | 1               |

Project Name: 264 N. 10TH ST.

Lab Number: L1113555

Project Number: 11338

Report Date: 09/08/11

## SAMPLE RESULTS

Lab ID: L1113555-14  
 Client ID: GW-8  
 Sample Location: BROOKLYN, NY

Date Collected: 08/31/11 13:05  
 Date Received: 08/31/11  
 Field Prep: Not Specified

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

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 22         |           | 21-120              |
| Phenol-d6            | 13         |           | 10-120              |
| Nitrobenzene-d5      | 72         |           | 23-120              |
| 2-Fluorobiphenyl     | 72         |           | 15-120              |
| 2,4,6-Tribromophenol | 89         |           | 10-120              |
| 4-Terphenyl-d14      | 89         |           | 41-149              |

Project Name: 264 N. 10TH ST.

Lab Number: L1113555

Project Number: 11338

Report Date: 09/08/11

## SAMPLE RESULTS

Lab ID: L1113555-15  
 Client ID: GW-2  
 Sample Location: BROOKLYN, NY  
 Matrix: Water  
 Analytical Method: 1,8270C  
 Analytical Date: 09/04/11 17:10  
 Analyst: JC

Date Collected: 08/31/11 14:30  
 Date Received: 08/31/11  
 Field Prep: Not Specified  
 Extraction Method: EPA 3510C  
 Extraction Date: 09/03/11 16:39

| Parameter                                            | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|------------------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab |        |           |       |      |      |                 |
| Acenaphthene                                         | 3.4    |           | ug/l  | 0.20 | 0.06 | 1               |
| 2-Chloronaphthalene                                  | ND     |           | ug/l  | 0.20 | 0.07 | 1               |
| Fluoranthene                                         | 1.4    |           | ug/l  | 0.20 | 0.04 | 1               |
| Hexachlorobutadiene                                  | ND     |           | ug/l  | 0.50 | 0.07 | 1               |
| Naphthalene                                          | 1.1    |           | ug/l  | 0.20 | 0.06 | 1               |
| Benzo(a)anthracene                                   | 0.28   |           | ug/l  | 0.20 | 0.06 | 1               |
| Benzo(a)pyrene                                       | 0.27   |           | ug/l  | 0.20 | 0.07 | 1               |
| Benzo(b)fluoranthene                                 | 0.26   |           | ug/l  | 0.20 | 0.07 | 1               |
| Benzo(k)fluoranthene                                 | 0.13   | J         | ug/l  | 0.20 | 0.07 | 1               |
| Chrysene                                             | 0.31   |           | ug/l  | 0.20 | 0.05 | 1               |
| Acenaphthylene                                       | 0.08   | J         | ug/l  | 0.20 | 0.05 | 1               |
| Anthracene                                           | 1.4    |           | ug/l  | 0.20 | 0.06 | 1               |
| Benzo(ghi)perylene                                   | 0.31   |           | ug/l  | 0.20 | 0.07 | 1               |
| Fluorene                                             | 2.6    |           | ug/l  | 0.20 | 0.06 | 1               |
| Phenanthrene                                         | 5.9    |           | ug/l  | 0.20 | 0.06 | 1               |
| Dibenzo(a,h)anthracene                               | 0.36   |           | ug/l  | 0.20 | 0.07 | 1               |
| Indeno(1,2,3-cd)Pyrene                               | 0.34   |           | ug/l  | 0.20 | 0.08 | 1               |
| Pyrene                                               | 0.97   |           | ug/l  | 0.20 | 0.06 | 1               |
| 2-Methylnaphthalene                                  | 0.33   |           | ug/l  | 0.20 | 0.06 | 1               |
| Pentachlorophenol                                    | ND     |           | ug/l  | 0.80 | 0.19 | 1               |
| Hexachlorobenzene                                    | ND     |           | ug/l  | 0.80 | 0.01 | 1               |
| Hexachloroethane                                     | ND     |           | ug/l  | 0.80 | 0.07 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 26         |           | 21-120              |
| Phenol-d6            | 19         |           | 10-120              |
| Nitrobenzene-d5      | 75         |           | 23-120              |
| 2-Fluorobiphenyl     | 77         |           | 15-120              |
| 2,4,6-Tribromophenol | 133        | Q         | 10-120              |
| 4-Terphenyl-d14      | 96         |           | 41-149              |

Project Name: 264 N. 10TH ST.

Lab Number: L1113555

Project Number: 11338

Report Date: 09/08/11

## SAMPLE RESULTS

Lab ID: L1113555-15  
 Client ID: GW-2  
 Sample Location: BROOKLYN, NY  
 Matrix: Water  
 Analytical Method: 1,8270C  
 Analytical Date: 09/04/11 18:28  
 Analyst: RC

Date Collected: 08/31/11 14:30  
 Date Received: 08/31/11  
 Field Prep: Not Specified  
 Extraction Method: EPA 3510C  
 Extraction Date: 09/03/11 16:37

| Parameter                                        | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/l  | 5.0 | 0.67 | 1               |
| Bis(2-chloroethyl)ether                          | ND     |           | ug/l  | 2.0 | 0.39 | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/l  | 2.0 | 0.55 | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/l  | 2.0 | 0.55 | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/l  | 2.0 | 0.55 | 1               |
| 3,3'-Dichlorobenzidine                           | ND     |           | ug/l  | 5.0 | 0.85 | 1               |
| 2,4-Dinitrotoluene                               | ND     |           | ug/l  | 5.0 | 0.45 | 1               |
| 2,6-Dinitrotoluene                               | ND     |           | ug/l  | 5.0 | 0.46 | 1               |
| 4-Chlorophenyl phenyl ether                      | ND     |           | ug/l  | 2.0 | 0.61 | 1               |
| 4-Bromophenyl phenyl ether                       | ND     |           | ug/l  | 2.0 | 0.67 | 1               |
| Bis(2-chloroisopropyl)ether                      | ND     |           | ug/l  | 2.0 | 0.50 | 1               |
| Bis(2-chloroethoxy)methane                       | ND     |           | ug/l  | 5.0 | 0.40 | 1               |
| Hexachlorocyclopentadiene                        | ND     |           | ug/l  | 20  | 2.1  | 1               |
| Isophorone                                       | ND     |           | ug/l  | 5.0 | 0.35 | 1               |
| Nitrobenzene                                     | ND     |           | ug/l  | 2.0 | 0.50 | 1               |
| NitrosoDiPhenylAmine(NDPA)/DPA                   | ND     |           | ug/l  | 2.0 | 0.70 | 1               |
| n-Nitrosodi-n-propylamine                        | ND     |           | ug/l  | 5.0 | 0.39 | 1               |
| Bis(2-Ethylhexyl)phthalate                       | ND     |           | ug/l  | 3.0 | 1.4  | 1               |
| Butyl benzyl phthalate                           | ND     |           | ug/l  | 5.0 | 0.46 | 1               |
| Di-n-butylphthalate                              | ND     |           | ug/l  | 5.0 | 0.54 | 1               |
| Di-n-octylphthalate                              | ND     |           | ug/l  | 5.0 | 0.53 | 1               |
| Diethyl phthalate                                | ND     |           | ug/l  | 5.0 | 0.45 | 1               |
| Dimethyl phthalate                               | ND     |           | ug/l  | 5.0 | 0.45 | 1               |
| Biphenyl                                         | ND     |           | ug/l  | 2.0 | 0.50 | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/l  | 5.0 | 0.83 | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/l  | 5.0 | 0.40 | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/l  | 5.0 | 0.59 | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/l  | 5.0 | 0.55 | 1               |
| Dibenzofuran                                     | ND     |           | ug/l  | 2.0 | 0.47 | 1               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/l  | 10  | 0.65 | 1               |
| Acetophenone                                     | ND     |           | ug/l  | 5.0 | 0.55 | 1               |

Project Name: 264 N. 10TH ST.

Lab Number: L1113555

Project Number: 11338

Report Date: 09/08/11

## SAMPLE RESULTS

Lab ID: L1113555-15  
 Client ID: GW-2  
 Sample Location: BROOKLYN, NY

Date Collected: 08/31/11 14:30  
 Date Received: 08/31/11  
 Field Prep: Not Specified

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

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 26         |           | 21-120              |
| Phenol-d6            | 17         |           | 10-120              |
| Nitrobenzene-d5      | 74         |           | 23-120              |
| 2-Fluorobiphenyl     | 76         |           | 15-120              |
| 2,4,6-Tribromophenol | 95         |           | 10-120              |
| 4-Terphenyl-d14      | 93         |           | 41-149              |

**Project Name:** 264 N. 10TH ST.  
**Project Number:** 11338

**Lab Number:** L1113555  
**Report Date:** 09/08/11

**Method Blank Analysis**  
**Batch Quality Control**

**Analytical Method:** 1,8270C  
**Analytical Date:** 09/04/11 14:42  
**Analyst:** RC

**Extraction Method:** EPA 3510C  
**Extraction Date:** 09/03/11 16:37

| Parameter                                                                               | Result | Qualifier | Units | RL  | MDL  |
|-----------------------------------------------------------------------------------------|--------|-----------|-------|-----|------|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 12-15 Batch: WG487949-1 |        |           |       |     |      |
| Acenaphthene                                                                            | ND     |           | ug/l  | 2.0 | 0.55 |
| 1,2,4-Trichlorobenzene                                                                  | ND     |           | ug/l  | 5.0 | 0.67 |
| Hexachlorobenzene                                                                       | ND     |           | ug/l  | 2.0 | 0.65 |
| Bis(2-chloroethyl)ether                                                                 | ND     |           | ug/l  | 2.0 | 0.39 |
| 2-Chloronaphthalene                                                                     | ND     |           | ug/l  | 2.0 | 0.47 |
| 1,2-Dichlorobenzene                                                                     | ND     |           | ug/l  | 2.0 | 0.55 |
| 1,3-Dichlorobenzene                                                                     | ND     |           | ug/l  | 2.0 | 0.55 |
| 1,4-Dichlorobenzene                                                                     | ND     |           | ug/l  | 2.0 | 0.55 |
| 3,3'-Dichlorobenzidine                                                                  | ND     |           | ug/l  | 5.0 | 0.85 |
| 2,4-Dinitrotoluene                                                                      | ND     |           | ug/l  | 5.0 | 0.45 |
| 2,6-Dinitrotoluene                                                                      | ND     |           | ug/l  | 5.0 | 0.46 |
| Fluoranthene                                                                            | ND     |           | ug/l  | 2.0 | 0.51 |
| 4-Chlorophenyl phenyl ether                                                             | ND     |           | ug/l  | 2.0 | 0.61 |
| 4-Bromophenyl phenyl ether                                                              | ND     |           | ug/l  | 2.0 | 0.67 |
| Bis(2-chloroisopropyl)ether                                                             | ND     |           | ug/l  | 2.0 | 0.50 |
| Bis(2-chloroethoxy)methane                                                              | ND     |           | ug/l  | 5.0 | 0.40 |
| Hexachlorobutadiene                                                                     | ND     |           | ug/l  | 2.0 | 0.81 |
| Hexachlorocyclopentadiene                                                               | ND     |           | ug/l  | 20  | 2.1  |
| Hexachloroethane                                                                        | ND     |           | ug/l  | 2.0 | 0.66 |
| Isophorone                                                                              | ND     |           | ug/l  | 5.0 | 0.35 |
| Naphthalene                                                                             | ND     |           | ug/l  | 2.0 | 0.72 |
| Nitrobenzene                                                                            | ND     |           | ug/l  | 2.0 | 0.50 |
| NitrosoDiPhenylAmine(NDPA)/DPA                                                          | ND     |           | ug/l  | 2.0 | 0.70 |
| n-Nitrosodi-n-propylamine                                                               | ND     |           | ug/l  | 5.0 | 0.39 |
| Bis(2-Ethylhexyl)phthalate                                                              | ND     |           | ug/l  | 3.0 | 1.4  |
| Butyl benzyl phthalate                                                                  | ND     |           | ug/l  | 5.0 | 0.46 |
| Di-n-butylphthalate                                                                     | ND     |           | ug/l  | 5.0 | 0.54 |
| Di-n-octylphthalate                                                                     | ND     |           | ug/l  | 5.0 | 0.53 |
| Diethyl phthalate                                                                       | ND     |           | ug/l  | 5.0 | 0.45 |
| Dimethyl phthalate                                                                      | ND     |           | ug/l  | 5.0 | 0.45 |
| Benzo(a)anthracene                                                                      | ND     |           | ug/l  | 2.0 | 0.82 |

**Project Name:** 264 N. 10TH ST.  
**Project Number:** 11338

**Lab Number:** L1113555  
**Report Date:** 09/08/11

**Method Blank Analysis**  
**Batch Quality Control**

**Analytical Method:** 1,8270C  
**Analytical Date:** 09/04/11 14:42  
**Analyst:** RC

**Extraction Method:** EPA 3510C  
**Extraction Date:** 09/03/11 16:37

| Parameter                                                                               | Result | Qualifier | Units | RL  | MDL  |
|-----------------------------------------------------------------------------------------|--------|-----------|-------|-----|------|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 12-15 Batch: WG487949-1 |        |           |       |     |      |
| Benzo(a)pyrene                                                                          | ND     |           | ug/l  | 2.0 | 0.48 |
| Benzo(b)fluoranthene                                                                    | ND     |           | ug/l  | 2.0 | 0.48 |
| Benzo(k)fluoranthene                                                                    | ND     |           | ug/l  | 2.0 | 0.48 |
| Chrysene                                                                                | ND     |           | ug/l  | 2.0 | 0.56 |
| Acenaphthylene                                                                          | ND     |           | ug/l  | 2.0 | 0.50 |
| Anthracene                                                                              | ND     |           | ug/l  | 2.0 | 0.47 |
| Benzo(ghi)perylene                                                                      | ND     |           | ug/l  | 2.0 | 0.53 |
| Fluorene                                                                                | ND     |           | ug/l  | 2.0 | 0.49 |
| Phenanthrene                                                                            | ND     |           | ug/l  | 2.0 | 0.49 |
| Dibenzo(a,h)anthracene                                                                  | ND     |           | ug/l  | 2.0 | 0.48 |
| Indeno(1,2,3-cd)Pyrene                                                                  | ND     |           | ug/l  | 2.0 | 0.48 |
| Pyrene                                                                                  | ND     |           | ug/l  | 2.0 | 0.44 |
| Biphenyl                                                                                | ND     |           | ug/l  | 2.0 | 0.50 |
| 4-Chloroaniline                                                                         | ND     |           | ug/l  | 5.0 | 0.83 |
| 2-Nitroaniline                                                                          | ND     |           | ug/l  | 5.0 | 0.40 |
| 3-Nitroaniline                                                                          | ND     |           | ug/l  | 5.0 | 0.59 |
| 4-Nitroaniline                                                                          | ND     |           | ug/l  | 5.0 | 0.55 |
| Dibenzofuran                                                                            | ND     |           | ug/l  | 2.0 | 0.47 |
| 2-Methylnaphthalene                                                                     | ND     |           | ug/l  | 2.0 | 0.55 |
| 1,2,4,5-Tetrachlorobenzene                                                              | ND     |           | ug/l  | 10  | 0.65 |
| Acetophenone                                                                            | ND     |           | ug/l  | 5.0 | 0.55 |
| 2,4,6-Trichlorophenol                                                                   | ND     |           | ug/l  | 5.0 | 0.45 |
| P-Chloro-M-Cresol                                                                       | ND     |           | ug/l  | 2.0 | 0.50 |
| 2-Chlorophenol                                                                          | ND     |           | ug/l  | 2.0 | 0.34 |
| 2,4-Dichlorophenol                                                                      | ND     |           | ug/l  | 5.0 | 0.43 |
| 2,4-Dimethylphenol                                                                      | ND     |           | ug/l  | 5.0 | 1.2  |
| 2-Nitrophenol                                                                           | ND     |           | ug/l  | 10  | 0.48 |
| 4-Nitrophenol                                                                           | ND     |           | ug/l  | 10  | 1.2  |
| 2,4-Dinitrophenol                                                                       | ND     |           | ug/l  | 20  | 1.4  |
| 4,6-Dinitro-o-cresol                                                                    | ND     |           | ug/l  | 10  | 0.59 |
| Pentachlorophenol                                                                       | ND     |           | ug/l  | 10  | 1.2  |

**Project Name:** 264 N. 10TH ST.  
**Project Number:** 11338

**Lab Number:** L1113555  
**Report Date:** 09/08/11

**Method Blank Analysis  
Batch Quality Control**

**Analytical Method:** 1,8270C  
**Analytical Date:** 09/04/11 14:42  
**Analyst:** RC

**Extraction Method:** EPA 3510C  
**Extraction Date:** 09/03/11 16:37

| Parameter                                                                               | Result | Qualifier | Units | RL  | MDL  |
|-----------------------------------------------------------------------------------------|--------|-----------|-------|-----|------|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 12-15 Batch: WG487949-1 |        |           |       |     |      |
| Phenol                                                                                  | ND     |           | ug/l  | 5.0 | 0.26 |
| 2-Methylphenol                                                                          | ND     |           | ug/l  | 5.0 | 0.53 |
| 3-Methylphenol/4-Methylphenol                                                           | ND     |           | ug/l  | 5.0 | 0.47 |
| 2,4,5-Trichlorophenol                                                                   | ND     |           | ug/l  | 5.0 | 0.45 |
| Benzoic Acid                                                                            | ND     |           | ug/l  | 50  | 1.0  |
| Benzyl Alcohol                                                                          | ND     |           | ug/l  | 2.0 | 0.47 |
| Carbazole                                                                               | ND     |           | ug/l  | 2.0 | 0.53 |

| Surrogate            | %Recovery | Qualifier | Acceptance<br>Criteria |
|----------------------|-----------|-----------|------------------------|
| 2-Fluorophenol       | 28        |           | 21-120                 |
| Phenol-d6            | 17        |           | 10-120                 |
| Nitrobenzene-d5      | 82        |           | 23-120                 |
| 2-Fluorobiphenyl     | 95        |           | 15-120                 |
| 2,4,6-Tribromophenol | 113       |           | 10-120                 |
| 4-Terphenyl-d14      | 122       |           | 41-149                 |

**Project Name:** 264 N. 10TH ST.  
**Project Number:** 11338

**Lab Number:** L1113555  
**Report Date:** 09/08/11

**Method Blank Analysis**  
**Batch Quality Control**

**Analytical Method:** 1,8270C  
**Analytical Date:** 09/04/11 14:28  
**Analyst:** JC

**Extraction Method:** EPA 3510C  
**Extraction Date:** 09/03/11 16:39

| Parameter                                                                                   | Result | Qualifier | Units | RL   | MDL  |
|---------------------------------------------------------------------------------------------|--------|-----------|-------|------|------|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 12-15 Batch: WG487950-1 |        |           |       |      |      |
| Acenaphthene                                                                                | ND     |           | ug/l  | 0.20 | 0.06 |
| 2-Chloronaphthalene                                                                         | ND     |           | ug/l  | 0.20 | 0.07 |
| Fluoranthene                                                                                | ND     |           | ug/l  | 0.20 | 0.04 |
| Hexachlorobutadiene                                                                         | ND     |           | ug/l  | 0.50 | 0.07 |
| Naphthalene                                                                                 | ND     |           | ug/l  | 0.20 | 0.06 |
| Benzo(a)anthracene                                                                          | ND     |           | ug/l  | 0.20 | 0.06 |
| Benzo(a)pyrene                                                                              | ND     |           | ug/l  | 0.20 | 0.07 |
| Benzo(b)fluoranthene                                                                        | ND     |           | ug/l  | 0.20 | 0.07 |
| Benzo(k)fluoranthene                                                                        | ND     |           | ug/l  | 0.20 | 0.07 |
| Chrysene                                                                                    | ND     |           | ug/l  | 0.20 | 0.05 |
| Acenaphthylene                                                                              | ND     |           | ug/l  | 0.20 | 0.05 |
| Anthracene                                                                                  | ND     |           | ug/l  | 0.20 | 0.06 |
| Benzo(ghi)perylene                                                                          | ND     |           | ug/l  | 0.20 | 0.07 |
| Fluorene                                                                                    | ND     |           | ug/l  | 0.20 | 0.06 |
| Phenanthrene                                                                                | ND     |           | ug/l  | 0.20 | 0.06 |
| Dibenzo(a,h)anthracene                                                                      | ND     |           | ug/l  | 0.20 | 0.07 |
| Indeno(1,2,3-cd)Pyrene                                                                      | ND     |           | ug/l  | 0.20 | 0.08 |
| Pyrene                                                                                      | ND     |           | ug/l  | 0.20 | 0.06 |
| 2-Methylnaphthalene                                                                         | ND     |           | ug/l  | 0.20 | 0.06 |
| Pentachlorophenol                                                                           | ND     |           | ug/l  | 0.80 | 0.19 |
| Hexachlorobenzene                                                                           | ND     |           | ug/l  | 0.80 | 0.01 |
| Hexachloroethane                                                                            | ND     |           | ug/l  | 0.80 | 0.07 |

**Project Name:** 264 N. 10TH ST.  
**Project Number:** 11338

**Lab Number:** L1113555  
**Report Date:** 09/08/11

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270C  
 Analytical Date: 09/04/11 14:28  
 Analyst: JC

Extraction Method: EPA 3510C  
 Extraction Date: 09/03/11 16:39

| Parameter                                                                                   | Result | Qualifier | Units | RL | MDL |
|---------------------------------------------------------------------------------------------|--------|-----------|-------|----|-----|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 12-15 Batch: WG487950-1 |        |           |       |    |     |

| Surrogate            | %Recovery | Qualifier | Acceptance Criteria |
|----------------------|-----------|-----------|---------------------|
| 2-Fluorophenol       | 28        |           | 21-120              |
| Phenol-d6            | 20        |           | 10-120              |
| Nitrobenzene-d5      | 80        |           | 23-120              |
| 2-Fluorobiphenyl     | 84        |           | 15-120              |
| 2,4,6-Tribromophenol | 157       | Q         | 10-120              |
| 4-Terphenyl-d14      | 113       |           | 41-149              |

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 264 N. 10TH ST.  
**Project Number:** 11338

**Lab Number:** L1113555  
**Report Date:** 09/08/11

| Parameter                                                                                                 | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD Limits |
|-----------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 12-15 Batch: WG487949-2 WG487949-3 |                  |      |                   |      |                     |     |      |            |
| Acenaphthene                                                                                              | 96               |      | 98                |      | 46-118              | 2   |      | 30         |
| 1,2,4-Trichlorobenzene                                                                                    | 93               |      | 100               | Q    | 39-98               | 7   |      | 30         |
| 2-Chloronaphthalene                                                                                       | 124              |      | 128               |      | 40-140              | 3   |      | 30         |
| 1,2-Dichlorobenzene                                                                                       | 86               |      | 95                |      | 40-140              | 10  |      | 30         |
| 1,4-Dichlorobenzene                                                                                       | 82               |      | 87                |      | 36-97               | 6   |      | 30         |
| 2,4-Dinitrotoluene                                                                                        | 111              | Q    | 118               | Q    | 24-96               | 6   |      | 30         |
| 2,6-Dinitrotoluene                                                                                        | 100              |      | 109               |      | 40-140              | 9   |      | 30         |
| Fluoranthene                                                                                              | 124              |      | 127               |      | 40-140              | 2   |      | 30         |
| 4-Chlorophenyl phenyl ether                                                                               | 106              |      | 110               |      | 40-140              | 4   |      | 30         |
| n-Nitrosodi-n-propylamine                                                                                 | 73               |      | 82                |      | 41-116              | 12  |      | 30         |
| Butyl benzyl phthalate                                                                                    | 122              |      | 125               |      | 40-140              | 2   |      | 30         |
| Anthracene                                                                                                | 119              |      | 118               |      | 40-140              | 1   |      | 30         |
| Pyrene                                                                                                    | 117              |      | 120               |      | 26-127              | 3   |      | 30         |
| P-Chloro-M-Cresol                                                                                         | 88               |      | 96                |      | 23-97               | 9   |      | 30         |
| 2-Chlorophenol                                                                                            | 72               |      | 74                |      | 27-123              | 3   |      | 30         |
| 2-Nitrophenol                                                                                             | 81               |      | 91                |      | 30-130              | 12  |      | 30         |
| 4-Nitrophenol                                                                                             | 34               |      | 37                |      | 10-80               | 8   |      | 30         |
| 2,4-Dinitrophenol                                                                                         | 79               |      | 97                |      | 20-130              | 20  |      | 30         |
| Pentachlorophenol                                                                                         | 96               |      | 104               | Q    | 9-103               | 8   |      | 30         |
| Phenol                                                                                                    | 21               |      | 25                |      | 12-110              | 17  |      | 30         |

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 264 N. 10TH ST.  
**Project Number:** 11338

**Lab Number:** L1113555  
**Report Date:** 09/08/11

| Parameter | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD Limits |
|-----------|------------------|------|-------------------|------|---------------------|-----|------|------------|
|-----------|------------------|------|-------------------|------|---------------------|-----|------|------------|

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 12-15 Batch: WG487949-2 WG487949-3

| Surrogate            | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|----------------------|------------------|------|-------------------|------|------------------------|
| 2-Fluorophenol       | 31               |      | 34                |      | 21-120                 |
| Phenol-d6            | 20               |      | 21                |      | 10-120                 |
| Nitrobenzene-d5      | 92               |      | 99                |      | 23-120                 |
| 2-Fluorobiphenyl     | 93               |      | 101               |      | 15-120                 |
| 2,4,6-Tribromophenol | 103              |      | 104               |      | 10-120                 |
| 4-Terphenyl-d14      | 111              |      | 115               |      | 41-149                 |

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 12-15 Batch: WG487950-2 WG487950-3

|                     |     |   |     |  |        |    |    |
|---------------------|-----|---|-----|--|--------|----|----|
| Acenaphthene        | 87  |   | 70  |  | 37-111 | 22 | 40 |
| 2-Chloronaphthalene | 90  |   | 73  |  | 40-140 | 21 | 40 |
| Fluoranthene        | 120 |   | 103 |  | 40-140 | 15 | 40 |
| Anthracene          | 112 |   | 91  |  | 40-140 | 21 | 40 |
| Pyrene              | 110 |   | 98  |  | 26-127 | 12 | 40 |
| Pentachlorophenol   | 132 | Q | 102 |  | 9-103  | 26 | 40 |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 264 N. 10TH ST.

Project Number: 11338

Lab Number: L1113555

Report Date: 09/08/11

| Parameter | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD Limits |
|-----------|------------------|------|-------------------|------|---------------------|-----|------|------------|
|-----------|------------------|------|-------------------|------|---------------------|-----|------|------------|

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 12-15 Batch: WG487950-2 WG487950-3

| Surrogate            | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|----------------------|------------------|------|-------------------|------|------------------------|
| 2-Fluorophenol       | 27               |      | 22                |      | 21-120                 |
| Phenol-d6            | 19               |      | 15                |      | 10-120                 |
| Nitrobenzene-d5      | 78               |      | 62                |      | 23-120                 |
| 2-Fluorobiphenyl     | 77               |      | 66                |      | 15-120                 |
| 2,4,6-Tribromophenol | 150              | Q    | 135               | Q    | 10-120                 |
| 4-Terphenyl-d14      | 94               |      | 89                |      | 41-149                 |

# PCBS

**Project Name:** 264 N. 10TH ST.**Lab Number:** L1113555**Project Number:** 11338**Report Date:** 09/08/11**SAMPLE RESULTS**

Lab ID: L1113555-12  
 Client ID: GW-12  
 Sample Location: BROOKLYN, NY  
 Matrix: Water  
 Analytical Method: 1,8082  
 Analytical Date: 09/04/11 16:55  
 Analyst: KB

Date Collected: 08/31/11 10:10  
 Date Received: 08/31/11  
 Field Prep: Not Specified  
 Extraction Method: EPA 3510C  
 Extraction Date: 09/03/11 06:19  
 Cleanup Method1: EPA 3665A  
 Cleanup Date1: 09/03/11  
 Cleanup Method2: EPA 3660B  
 Cleanup Date2: 09/03/11

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |       |       |                 |
| Aroclor 1016                                      | ND     |           | ug/l  | 0.083 | 0.055 | 1               |
| Aroclor 1221                                      | ND     |           | ug/l  | 0.083 | 0.053 | 1               |
| Aroclor 1232                                      | ND     |           | ug/l  | 0.083 | 0.031 | 1               |
| Aroclor 1242                                      | ND     |           | ug/l  | 0.083 | 0.060 | 1               |
| Aroclor 1248                                      | ND     |           | ug/l  | 0.083 | 0.051 | 1               |
| Aroclor 1254                                      | ND     |           | ug/l  | 0.083 | 0.034 | 1               |
| Aroclor 1260                                      | ND     |           | ug/l  | 0.083 | 0.032 | 1               |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria |
|------------------------------|------------|-----------|---------------------|
| 2,4,5,6-Tetrachloro-m-xylene | 55         |           | 30-150              |
| Decachlorobiphenyl           | 24         | Q         | 30-150              |
| 2,4,5,6-Tetrachloro-m-xylene | 64         |           | 30-150              |
| Decachlorobiphenyl           | 31         |           | 30-150              |

**Project Name:** 264 N. 10TH ST.**Lab Number:** L1113555**Project Number:** 11338**Report Date:** 09/08/11**SAMPLE RESULTS**

**Lab ID:** L1113555-13  
**Client ID:** GW-15  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Water  
**Analytical Method:** 1,8082  
**Analytical Date:** 09/04/11 17:11  
**Analyst:** KB

**Date Collected:** 08/31/11 12:07  
**Date Received:** 08/31/11  
**Field Prep:** Not Specified  
**Extraction Method:** EPA 3510C  
**Extraction Date:** 09/03/11 06:19  
**Cleanup Method1:** EPA 3665A  
**Cleanup Date1:** 09/03/11  
**Cleanup Method2:** EPA 3660B  
**Cleanup Date2:** 09/03/11

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |       |       |                 |
| Aroclor 1016                                      | ND     |           | ug/l  | 0.083 | 0.055 | 1               |
| Aroclor 1221                                      | ND     |           | ug/l  | 0.083 | 0.053 | 1               |
| Aroclor 1232                                      | ND     |           | ug/l  | 0.083 | 0.031 | 1               |
| Aroclor 1242                                      | ND     |           | ug/l  | 0.083 | 0.060 | 1               |
| Aroclor 1248                                      | ND     |           | ug/l  | 0.083 | 0.051 | 1               |
| Aroclor 1254                                      | ND     |           | ug/l  | 0.083 | 0.034 | 1               |
| Aroclor 1260                                      | ND     |           | ug/l  | 0.083 | 0.032 | 1               |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria |
|------------------------------|------------|-----------|---------------------|
| 2,4,5,6-Tetrachloro-m-xylene | 77         |           | 30-150              |
| Decachlorobiphenyl           | 45         |           | 30-150              |
| 2,4,5,6-Tetrachloro-m-xylene | 92         |           | 30-150              |
| Decachlorobiphenyl           | 60         |           | 30-150              |

**Project Name:** 264 N. 10TH ST.**Lab Number:** L1113555**Project Number:** 11338**Report Date:** 09/08/11**SAMPLE RESULTS**

Lab ID: L1113555-14  
 Client ID: GW-8  
 Sample Location: BROOKLYN, NY  
 Matrix: Water  
 Analytical Method: 1,8082  
 Analytical Date: 09/04/11 17:27  
 Analyst: KB

Date Collected: 08/31/11 13:05  
 Date Received: 08/31/11  
 Field Prep: Not Specified  
 Extraction Method: EPA 3510C  
 Extraction Date: 09/03/11 06:19  
 Cleanup Method1: EPA 3665A  
 Cleanup Date1: 09/03/11  
 Cleanup Method2: EPA 3660B  
 Cleanup Date2: 09/03/11

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |       |       |                 |
| Aroclor 1016                                      | ND     |           | ug/l  | 0.083 | 0.055 | 1               |
| Aroclor 1221                                      | ND     |           | ug/l  | 0.083 | 0.053 | 1               |
| Aroclor 1232                                      | ND     |           | ug/l  | 0.083 | 0.031 | 1               |
| Aroclor 1242                                      | ND     |           | ug/l  | 0.083 | 0.060 | 1               |
| Aroclor 1248                                      | ND     |           | ug/l  | 0.083 | 0.051 | 1               |
| Aroclor 1254                                      | ND     |           | ug/l  | 0.083 | 0.034 | 1               |
| Aroclor 1260                                      | ND     |           | ug/l  | 0.083 | 0.032 | 1               |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria |
|------------------------------|------------|-----------|---------------------|
| 2,4,5,6-Tetrachloro-m-xylene | 67         |           | 30-150              |
| Decachlorobiphenyl           | 47         |           | 30-150              |
| 2,4,5,6-Tetrachloro-m-xylene | 81         |           | 30-150              |
| Decachlorobiphenyl           | 61         |           | 30-150              |

**Project Name:** 264 N. 10TH ST.**Lab Number:** L1113555**Project Number:** 11338**Report Date:** 09/08/11**SAMPLE RESULTS**

Lab ID: L1113555-15  
 Client ID: GW-2  
 Sample Location: BROOKLYN, NY  
 Matrix: Water  
 Analytical Method: 1,8082  
 Analytical Date: 09/04/11 17:43  
 Analyst: KB

Date Collected: 08/31/11 14:30  
 Date Received: 08/31/11  
 Field Prep: Not Specified  
 Extraction Method: EPA 3510C  
 Extraction Date: 09/03/11 06:19  
 Cleanup Method1: EPA 3665A  
 Cleanup Date1: 09/03/11  
 Cleanup Method2: EPA 3660B  
 Cleanup Date2: 09/03/11

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |       |       |                 |
| Aroclor 1016                                      | ND     |           | ug/l  | 0.083 | 0.055 | 1               |
| Aroclor 1221                                      | ND     |           | ug/l  | 0.083 | 0.053 | 1               |
| Aroclor 1232                                      | ND     |           | ug/l  | 0.083 | 0.031 | 1               |
| Aroclor 1242                                      | ND     |           | ug/l  | 0.083 | 0.060 | 1               |
| Aroclor 1248                                      | ND     |           | ug/l  | 0.083 | 0.051 | 1               |
| Aroclor 1254                                      | ND     |           | ug/l  | 0.083 | 0.034 | 1               |
| Aroclor 1260                                      | ND     |           | ug/l  | 0.083 | 0.032 | 1               |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria |
|------------------------------|------------|-----------|---------------------|
| 2,4,5,6-Tetrachloro-m-xylene | 69         |           | 30-150              |
| Decachlorobiphenyl           | 49         |           | 30-150              |
| 2,4,5,6-Tetrachloro-m-xylene | 82         |           | 30-150              |
| Decachlorobiphenyl           | 60         |           | 30-150              |

**Project Name:** 264 N. 10TH ST.  
**Project Number:** 11338

**Lab Number:** L1113555  
**Report Date:** 09/08/11

**Method Blank Analysis  
 Batch Quality Control**

Analytical Method: 1,8082  
 Analytical Date: 09/04/11 17:59  
 Analyst: KB

Extraction Method: EPA 3510C  
 Extraction Date: 09/03/11 06:19  
 Cleanup Method1: EPA 3665A  
 Cleanup Date1: 09/03/11  
 Cleanup Method2: EPA 3660B  
 Cleanup Date2: 09/03/11

| Parameter                                                                                | Result | Qualifier | Units | RL    | MDL   |
|------------------------------------------------------------------------------------------|--------|-----------|-------|-------|-------|
| Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 12-15 Batch: WG487912-1 |        |           |       |       |       |
| Aroclor 1016                                                                             | ND     |           | ug/l  | 0.083 | 0.055 |
| Aroclor 1221                                                                             | ND     |           | ug/l  | 0.083 | 0.053 |
| Aroclor 1232                                                                             | ND     |           | ug/l  | 0.083 | 0.031 |
| Aroclor 1242                                                                             | ND     |           | ug/l  | 0.083 | 0.060 |
| Aroclor 1248                                                                             | ND     |           | ug/l  | 0.083 | 0.051 |
| Aroclor 1254                                                                             | ND     |           | ug/l  | 0.083 | 0.034 |
| Aroclor 1260                                                                             | ND     |           | ug/l  | 0.083 | 0.032 |

| Surrogate                    | %Recovery | Qualifier | Acceptance Criteria |
|------------------------------|-----------|-----------|---------------------|
| 2,4,5,6-Tetrachloro-m-xylene | 73        |           | 30-150              |
| Decachlorobiphenyl           | 72        |           | 30-150              |
| 2,4,5,6-Tetrachloro-m-xylene | 87        |           | 30-150              |
| Decachlorobiphenyl           | 96        |           | 30-150              |



### Lab Control Sample Analysis Batch Quality Control

**Project Name:** 264 N. 10TH ST.  
**Project Number:** 11338

**Lab Number:** L1113555  
**Report Date:** 09/08/11

| Parameter                                                                                                  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD Limits |
|------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|------------|
| Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 12-15 Batch: WG487912-2 WG487912-3 |                  |      |                   |      |                     |     |      |            |
| Aroclor 1016                                                                                               | 90               |      | 93                |      | 40-140              | 3   |      | 50         |
| Aroclor 1260                                                                                               | 86               |      | 89                |      | 40-140              | 4   |      | 50         |

| Surrogate                    | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|------------------------------|------------------|------|-------------------|------|------------------------|
| 2,4,5,6-Tetrachloro-m-xylene | 75               |      | 76                |      | 30-150                 |
| Decachlorobiphenyl           | 64               |      | 53                |      | 30-150                 |
| 2,4,5,6-Tetrachloro-m-xylene | 91               |      | 90                |      | 30-150                 |
| Decachlorobiphenyl           | 89               |      | 69                |      | 30-150                 |

# PESTICIDES

**Project Name:** 264 N. 10TH ST.**Lab Number:** L1113555**Project Number:** 11338**Report Date:** 09/08/11**SAMPLE RESULTS**

Lab ID: L1113555-12  
 Client ID: GW-12  
 Sample Location: BROOKLYN, NY  
 Matrix: Water  
 Analytical Method: 1,8081A  
 Analytical Date: 09/06/11 15:02  
 Analyst: BW

Date Collected: 08/31/11 10:10  
 Date Received: 08/31/11  
 Field Prep: Not Specified  
 Extraction Method: EPA 3510C  
 Extraction Date: 09/03/11 06:48  
 Cleanup Method1: EPA 3620B  
 Cleanup Date1: 09/04/11

| Parameter                                                | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|----------------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|
| <b>Organochlorine Pesticides by GC - Westborough Lab</b> |        |           |       |       |       |                 |
| Delta-BHC                                                | ND     |           | ug/l  | 0.020 | 0.005 | 1               |
| Lindane                                                  | ND     |           | ug/l  | 0.020 | 0.004 | 1               |
| Alpha-BHC                                                | ND     |           | ug/l  | 0.020 | 0.004 | 1               |
| Beta-BHC                                                 | ND     |           | ug/l  | 0.020 | 0.006 | 1               |
| Heptachlor                                               | ND     |           | ug/l  | 0.020 | 0.003 | 1               |
| Aldrin                                                   | ND     |           | ug/l  | 0.020 | 0.002 | 1               |
| Heptachlor epoxide                                       | ND     |           | ug/l  | 0.020 | 0.004 | 1               |
| Endrin                                                   | ND     |           | ug/l  | 0.040 | 0.004 | 1               |
| Endrin ketone                                            | ND     |           | ug/l  | 0.040 | 0.005 | 1               |
| Dieldrin                                                 | ND     |           | ug/l  | 0.040 | 0.004 | 1               |
| 4,4'-DDE                                                 | ND     |           | ug/l  | 0.040 | 0.004 | 1               |
| 4,4'-DDD                                                 | ND     |           | ug/l  | 0.040 | 0.005 | 1               |
| 4,4'-DDT                                                 | ND     |           | ug/l  | 0.040 | 0.004 | 1               |
| Endosulfan I                                             | ND     |           | ug/l  | 0.020 | 0.003 | 1               |
| Endosulfan II                                            | ND     |           | ug/l  | 0.040 | 0.005 | 1               |
| Endosulfan sulfate                                       | ND     |           | ug/l  | 0.040 | 0.005 | 1               |
| Methoxychlor                                             | ND     |           | ug/l  | 0.200 | 0.007 | 1               |
| Toxaphene                                                | ND     |           | ug/l  | 0.200 | 0.063 | 1               |
| trans-Chlordane                                          | ND     |           | ug/l  | 0.020 | 0.006 | 1               |
| Chlordane                                                | ND     |           | ug/l  | 0.200 | 0.046 | 1               |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 71         |           | 30-150              | A      |
| Decachlorobiphenyl           | 37         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 60         |           | 30-150              | B      |
| Decachlorobiphenyl           | 38         |           | 30-150              | B      |

**Project Name:** 264 N. 10TH ST.**Lab Number:** L1113555**Project Number:** 11338**Report Date:** 09/08/11**SAMPLE RESULTS**

Lab ID: L1113555-13  
 Client ID: GW-15  
 Sample Location: BROOKLYN, NY  
 Matrix: Water  
 Analytical Method: 1,8081A  
 Analytical Date: 09/08/11 08:42  
 Analyst: SH

Date Collected: 08/31/11 12:07  
 Date Received: 08/31/11  
 Field Prep: Not Specified  
 Extraction Method: EPA 3510C  
 Extraction Date: 09/07/11 22:51  
 Cleanup Method1: EPA 3620B  
 Cleanup Date1: 09/08/11

| Parameter                                                | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|----------------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|
| <b>Organochlorine Pesticides by GC - Westborough Lab</b> |        |           |       |       |       |                 |
| Delta-BHC                                                | ND     |           | ug/l  | 0.020 | 0.005 | 1               |
| Lindane                                                  | ND     |           | ug/l  | 0.020 | 0.004 | 1               |
| Alpha-BHC                                                | ND     |           | ug/l  | 0.020 | 0.004 | 1               |
| Beta-BHC                                                 | ND     |           | ug/l  | 0.020 | 0.006 | 1               |
| Heptachlor                                               | ND     |           | ug/l  | 0.020 | 0.003 | 1               |
| Aldrin                                                   | ND     |           | ug/l  | 0.020 | 0.002 | 1               |
| Heptachlor epoxide                                       | ND     |           | ug/l  | 0.020 | 0.004 | 1               |
| Endrin                                                   | ND     |           | ug/l  | 0.040 | 0.004 | 1               |
| Endrin ketone                                            | ND     |           | ug/l  | 0.040 | 0.005 | 1               |
| Dieldrin                                                 | ND     |           | ug/l  | 0.040 | 0.004 | 1               |
| 4,4'-DDE                                                 | ND     |           | ug/l  | 0.040 | 0.004 | 1               |
| 4,4'-DDD                                                 | ND     |           | ug/l  | 0.040 | 0.005 | 1               |
| 4,4'-DDT                                                 | ND     |           | ug/l  | 0.040 | 0.004 | 1               |
| Endosulfan I                                             | ND     |           | ug/l  | 0.020 | 0.003 | 1               |
| Endosulfan II                                            | ND     |           | ug/l  | 0.040 | 0.005 | 1               |
| Endosulfan sulfate                                       | ND     |           | ug/l  | 0.040 | 0.005 | 1               |
| Methoxychlor                                             | ND     |           | ug/l  | 0.200 | 0.007 | 1               |
| Toxaphene                                                | ND     |           | ug/l  | 0.200 | 0.063 | 1               |
| trans-Chlordane                                          | ND     |           | ug/l  | 0.020 | 0.006 | 1               |
| Chlordane                                                | ND     |           | ug/l  | 0.200 | 0.046 | 1               |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 32         |           | 30-150              | A      |
| Decachlorobiphenyl           | 26         | Q         | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 50         |           | 30-150              | B      |
| Decachlorobiphenyl           | 45         |           | 30-150              | B      |

**Project Name:** 264 N. 10TH ST.**Lab Number:** L1113555**Project Number:** 11338**Report Date:** 09/08/11**SAMPLE RESULTS**

Lab ID: L1113555-14  
 Client ID: GW-8  
 Sample Location: BROOKLYN, NY  
 Matrix: Water  
 Analytical Method: 1,8081A  
 Analytical Date: 09/06/11 15:27  
 Analyst: BW

Date Collected: 08/31/11 13:05  
 Date Received: 08/31/11  
 Field Prep: Not Specified  
 Extraction Method: EPA 3510C  
 Extraction Date: 09/03/11 06:48  
 Cleanup Method1: EPA 3620B  
 Cleanup Date1: 09/04/11

| Parameter                                                | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|----------------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|
| <b>Organochlorine Pesticides by GC - Westborough Lab</b> |        |           |       |       |       |                 |
| Delta-BHC                                                | ND     |           | ug/l  | 0.020 | 0.005 | 1               |
| Lindane                                                  | ND     |           | ug/l  | 0.020 | 0.004 | 1               |
| Alpha-BHC                                                | ND     |           | ug/l  | 0.020 | 0.004 | 1               |
| Beta-BHC                                                 | ND     |           | ug/l  | 0.020 | 0.006 | 1               |
| Heptachlor                                               | ND     |           | ug/l  | 0.020 | 0.003 | 1               |
| Aldrin                                                   | ND     |           | ug/l  | 0.020 | 0.002 | 1               |
| Heptachlor epoxide                                       | ND     |           | ug/l  | 0.020 | 0.004 | 1               |
| Endrin                                                   | ND     |           | ug/l  | 0.040 | 0.004 | 1               |
| Endrin ketone                                            | ND     |           | ug/l  | 0.040 | 0.005 | 1               |
| Dieldrin                                                 | ND     |           | ug/l  | 0.040 | 0.004 | 1               |
| 4,4'-DDE                                                 | ND     |           | ug/l  | 0.040 | 0.004 | 1               |
| 4,4'-DDD                                                 | ND     |           | ug/l  | 0.040 | 0.005 | 1               |
| 4,4'-DDT                                                 | ND     |           | ug/l  | 0.040 | 0.004 | 1               |
| Endosulfan I                                             | ND     |           | ug/l  | 0.020 | 0.003 | 1               |
| Endosulfan II                                            | ND     |           | ug/l  | 0.040 | 0.005 | 1               |
| Endosulfan sulfate                                       | ND     |           | ug/l  | 0.040 | 0.005 | 1               |
| Methoxychlor                                             | ND     |           | ug/l  | 0.200 | 0.007 | 1               |
| Toxaphene                                                | ND     |           | ug/l  | 0.200 | 0.063 | 1               |
| trans-Chlordane                                          | ND     |           | ug/l  | 0.020 | 0.006 | 1               |
| Chlordane                                                | ND     |           | ug/l  | 0.200 | 0.046 | 1               |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 71         |           | 30-150              | A      |
| Decachlorobiphenyl           | 35         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 59         |           | 30-150              | B      |
| Decachlorobiphenyl           | 35         |           | 30-150              | B      |

**Project Name:** 264 N. 10TH ST.**Lab Number:** L1113555**Project Number:** 11338**Report Date:** 09/08/11**SAMPLE RESULTS**

Lab ID: L1113555-15  
 Client ID: GW-2  
 Sample Location: BROOKLYN, NY  
 Matrix: Water  
 Analytical Method: 1,8081A  
 Analytical Date: 09/08/11 08:55  
 Analyst: SH

Date Collected: 08/31/11 14:30  
 Date Received: 08/31/11  
 Field Prep: Not Specified  
 Extraction Method: EPA 3510C  
 Extraction Date: 09/07/11 22:51  
 Cleanup Method1: EPA 3620B  
 Cleanup Date1: 09/08/11

| Parameter                                                | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|----------------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|
| <b>Organochlorine Pesticides by GC - Westborough Lab</b> |        |           |       |       |       |                 |
| Delta-BHC                                                | ND     |           | ug/l  | 0.024 | 0.005 | 1               |
| Lindane                                                  | ND     |           | ug/l  | 0.024 | 0.005 | 1               |
| Alpha-BHC                                                | ND     |           | ug/l  | 0.024 | 0.005 | 1               |
| Beta-BHC                                                 | ND     |           | ug/l  | 0.024 | 0.007 | 1               |
| Heptachlor                                               | ND     |           | ug/l  | 0.024 | 0.004 | 1               |
| Aldrin                                                   | ND     |           | ug/l  | 0.024 | 0.003 | 1               |
| Heptachlor epoxide                                       | ND     |           | ug/l  | 0.024 | 0.005 | 1               |
| Endrin                                                   | ND     |           | ug/l  | 0.047 | 0.005 | 1               |
| Endrin ketone                                            | ND     |           | ug/l  | 0.047 | 0.006 | 1               |
| Dieldrin                                                 | ND     |           | ug/l  | 0.047 | 0.005 | 1               |
| 4,4'-DDE                                                 | ND     |           | ug/l  | 0.047 | 0.004 | 1               |
| 4,4'-DDD                                                 | ND     |           | ug/l  | 0.047 | 0.005 | 1               |
| 4,4'-DDT                                                 | ND     |           | ug/l  | 0.047 | 0.005 | 1               |
| Endosulfan I                                             | ND     |           | ug/l  | 0.024 | 0.004 | 1               |
| Endosulfan II                                            | ND     |           | ug/l  | 0.047 | 0.006 | 1               |
| Endosulfan sulfate                                       | ND     |           | ug/l  | 0.047 | 0.006 | 1               |
| Methoxychlor                                             | ND     |           | ug/l  | 0.235 | 0.008 | 1               |
| Toxaphene                                                | ND     |           | ug/l  | 0.235 | 0.074 | 1               |
| trans-Chlordane                                          | ND     |           | ug/l  | 0.024 | 0.007 | 1               |
| Chlordane                                                | ND     |           | ug/l  | 0.235 | 0.055 | 1               |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 27         | Q         | 30-150              | A      |
| Decachlorobiphenyl           | 20         | Q         | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 40         |           | 30-150              | B      |
| Decachlorobiphenyl           | 33         |           | 30-150              | B      |

**Project Name:** 264 N. 10TH ST.  
**Project Number:** 11338

**Lab Number:** L1113555  
**Report Date:** 09/08/11

**Method Blank Analysis**  
**Batch Quality Control**

**Analytical Method:** 1,8081A  
**Analytical Date:** 09/06/11 14:23  
**Analyst:** BW

**Extraction Method:** EPA 3510C  
**Extraction Date:** 09/03/11 06:48  
**Cleanup Method1:** EPA 3620B  
**Cleanup Date1:** 09/04/11

| Parameter                                                                                | Result | Qualifier | Units | RL    | MDL   |
|------------------------------------------------------------------------------------------|--------|-----------|-------|-------|-------|
| Organochlorine Pesticides by GC - Westborough Lab for sample(s): 12,14 Batch: WG487915-1 |        |           |       |       |       |
| Delta-BHC                                                                                | ND     |           | ug/l  | 0.020 | 0.005 |
| Lindane                                                                                  | ND     |           | ug/l  | 0.020 | 0.004 |
| Alpha-BHC                                                                                | ND     |           | ug/l  | 0.020 | 0.004 |
| Beta-BHC                                                                                 | ND     |           | ug/l  | 0.020 | 0.006 |
| Heptachlor                                                                               | ND     |           | ug/l  | 0.020 | 0.003 |
| Aldrin                                                                                   | ND     |           | ug/l  | 0.020 | 0.002 |
| Heptachlor epoxide                                                                       | ND     |           | ug/l  | 0.020 | 0.004 |
| Endrin                                                                                   | ND     |           | ug/l  | 0.040 | 0.004 |
| Endrin ketone                                                                            | ND     |           | ug/l  | 0.040 | 0.005 |
| Dieldrin                                                                                 | ND     |           | ug/l  | 0.040 | 0.004 |
| 4,4'-DDE                                                                                 | ND     |           | ug/l  | 0.040 | 0.004 |
| 4,4'-DDD                                                                                 | ND     |           | ug/l  | 0.040 | 0.005 |
| 4,4'-DDT                                                                                 | ND     |           | ug/l  | 0.040 | 0.004 |
| Endosulfan I                                                                             | ND     |           | ug/l  | 0.020 | 0.003 |
| Endosulfan II                                                                            | ND     |           | ug/l  | 0.040 | 0.005 |
| Endosulfan sulfate                                                                       | ND     |           | ug/l  | 0.040 | 0.005 |
| Methoxychlor                                                                             | ND     |           | ug/l  | 0.200 | 0.007 |
| Toxaphene                                                                                | ND     |           | ug/l  | 0.200 | 0.063 |
| trans-Chlordane                                                                          | ND     |           | ug/l  | 0.020 | 0.006 |
| Chlordane                                                                                | ND     |           | ug/l  | 0.200 | 0.046 |

| Surrogate                    | %Recovery | Qualifier | Acceptance<br>Criteria | Column |
|------------------------------|-----------|-----------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 72        |           | 30-150                 | A      |
| Decachlorobiphenyl           | 53        |           | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 64        |           | 30-150                 | B      |
| Decachlorobiphenyl           | 55        |           | 30-150                 | B      |

**Project Name:** 264 N. 10TH ST.  
**Project Number:** 11338

**Lab Number:** L1113555  
**Report Date:** 09/08/11

**Method Blank Analysis**  
**Batch Quality Control**

**Analytical Method:** 1,8081A  
**Analytical Date:** 09/08/11 09:08  
**Analyst:** SH

**Extraction Method:** EPA 3510C  
**Extraction Date:** 09/07/11 22:51  
**Cleanup Method1:** EPA 3620B  
**Cleanup Date1:** 09/08/11

| Parameter                                                                                | Result | Qualifier | Units | RL    | MDL   |
|------------------------------------------------------------------------------------------|--------|-----------|-------|-------|-------|
| Organochlorine Pesticides by GC - Westborough Lab for sample(s): 13,15 Batch: WG488631-1 |        |           |       |       |       |
| Delta-BHC                                                                                | ND     |           | ug/l  | 0.020 | 0.005 |
| Lindane                                                                                  | ND     |           | ug/l  | 0.020 | 0.004 |
| Alpha-BHC                                                                                | ND     |           | ug/l  | 0.020 | 0.004 |
| Beta-BHC                                                                                 | ND     |           | ug/l  | 0.020 | 0.006 |
| Heptachlor                                                                               | ND     |           | ug/l  | 0.020 | 0.003 |
| Aldrin                                                                                   | ND     |           | ug/l  | 0.020 | 0.002 |
| Heptachlor epoxide                                                                       | ND     |           | ug/l  | 0.020 | 0.004 |
| Endrin                                                                                   | ND     |           | ug/l  | 0.040 | 0.004 |
| Endrin ketone                                                                            | ND     |           | ug/l  | 0.040 | 0.005 |
| Dieldrin                                                                                 | ND     |           | ug/l  | 0.040 | 0.004 |
| 4,4'-DDE                                                                                 | ND     |           | ug/l  | 0.040 | 0.004 |
| 4,4'-DDD                                                                                 | ND     |           | ug/l  | 0.040 | 0.005 |
| 4,4'-DDT                                                                                 | ND     |           | ug/l  | 0.040 | 0.004 |
| Endosulfan I                                                                             | ND     |           | ug/l  | 0.020 | 0.003 |
| Endosulfan II                                                                            | ND     |           | ug/l  | 0.040 | 0.005 |
| Endosulfan sulfate                                                                       | ND     |           | ug/l  | 0.040 | 0.005 |
| Methoxychlor                                                                             | ND     |           | ug/l  | 0.200 | 0.007 |
| Toxaphene                                                                                | ND     |           | ug/l  | 0.200 | 0.063 |
| trans-Chlordane                                                                          | ND     |           | ug/l  | 0.020 | 0.006 |
| Chlordane                                                                                | ND     |           | ug/l  | 0.200 | 0.046 |

| Surrogate                    | %Recovery | Qualifier | Acceptance<br>Criteria | Column |
|------------------------------|-----------|-----------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 55        |           | 30-150                 | A      |
| Decachlorobiphenyl           | 67        |           | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 58        |           | 30-150                 | B      |
| Decachlorobiphenyl           | 73        |           | 30-150                 | B      |

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 264 N. 10TH ST.  
**Project Number:** 11338

**Lab Number:** L1113555  
**Report Date:** 09/08/11

| Parameter                                                                                                  | LCS       |      | LCSD      |      | %Recovery Limits | RPD | Qual | RPD Limits |
|------------------------------------------------------------------------------------------------------------|-----------|------|-----------|------|------------------|-----|------|------------|
|                                                                                                            | %Recovery | Qual | %Recovery | Qual |                  |     |      |            |
| Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 12,14 Batch: WG487915-2 WG487915-3 |           |      |           |      |                  |     |      |            |
| Delta-BHC                                                                                                  | 79        |      | 78        |      | 30-150           | 1   |      | 20         |
| Lindane                                                                                                    | 82        |      | 82        |      | 30-150           | 0   |      | 20         |
| Alpha-BHC                                                                                                  | 83        |      | 83        |      | 30-150           | 0   |      | 20         |
| Beta-BHC                                                                                                   | 79        |      | 79        |      | 30-150           | 0   |      | 20         |
| Heptachlor                                                                                                 | 80        |      | 80        |      | 30-150           | 0   |      | 20         |
| Aldrin                                                                                                     | 74        |      | 73        |      | 30-150           | 1   |      | 20         |
| Heptachlor epoxide                                                                                         | 77        |      | 76        |      | 30-150           | 2   |      | 20         |
| Endrin                                                                                                     | 89        |      | 85        |      | 30-150           | 5   |      | 20         |
| Endrin ketone                                                                                              | 64        |      | 63        |      | 30-150           | 1   |      | 20         |
| Dieldrin                                                                                                   | 79        |      | 77        |      | 30-150           | 3   |      | 20         |
| 4,4'-DDE                                                                                                   | 75        |      | 73        |      | 30-150           | 3   |      | 20         |
| 4,4'-DDD                                                                                                   | 77        |      | 75        |      | 30-150           | 3   |      | 20         |
| 4,4'-DDT                                                                                                   | 82        |      | 89        |      | 30-150           | 7   |      | 20         |
| Endosulfan I                                                                                               | 76        |      | 75        |      | 30-150           | 2   |      | 20         |
| Endosulfan II                                                                                              | 76        |      | 74        |      | 30-150           | 2   |      | 20         |
| Endosulfan sulfate                                                                                         | 67        |      | 66        |      | 30-150           | 1   |      | 20         |
| Methoxychlor                                                                                               | 77        |      | 76        |      | 30-150           | 1   |      | 20         |
| trans-Chlordane                                                                                            | 80        |      | 79        |      | 30-150           | 2   |      | 20         |

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 264 N. 10TH ST.  
**Project Number:** 11338

**Lab Number:** L1113555  
**Report Date:** 09/08/11

| Parameter                                                                                                  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD Limits |
|------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|------------|
| Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 12,14 Batch: WG487915-2 WG487915-3 |                  |      |                   |      |                     |     |      |            |

| Surrogate                    | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria | Column |
|------------------------------|------------------|------|-------------------|------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 70               |      | 71                |      | 30-150                 | A      |
| Decachlorobiphenyl           | 51               |      | 51                |      | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 63               |      | 64                |      | 30-150                 | B      |
| Decachlorobiphenyl           | 54               |      | 54                |      | 30-150                 | B      |

| Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 13,15 Batch: WG488631-2 WG488631-3 |                  |      |                   |      |                     |     |      |            |
|------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|------------|
| Parameter                                                                                                  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD Limits |
| Delta-BHC                                                                                                  | 144              |      | 96                |      | 30-150              | 40  | Q    | 20         |
| Lindane                                                                                                    | 100              |      | 82                |      | 30-150              | 20  |      | 20         |
| Alpha-BHC                                                                                                  | 96               |      | 84                |      | 30-150              | 14  |      | 20         |
| Beta-BHC                                                                                                   | 89               |      | 76                |      | 30-150              | 16  |      | 20         |
| Heptachlor                                                                                                 | 91               |      | 84                |      | 30-150              | 8   |      | 20         |
| Aldrin                                                                                                     | 93               |      | 83                |      | 30-150              | 11  |      | 20         |
| Heptachlor epoxide                                                                                         | 101              |      | 87                |      | 30-150              | 15  |      | 20         |
| Endrin                                                                                                     | 123              |      | 110               |      | 30-150              | 11  |      | 20         |
| Endrin ketone                                                                                              | 116              |      | 103               |      | 30-150              | 12  |      | 20         |

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 264 N. 10TH ST.  
**Project Number:** 11338

**Lab Number:** L1113555  
**Report Date:** 09/08/11

| Parameter                                                                                                  | LCS       |      | LCSD      |      | %Recovery Limits | RPD | Qual | RPD Limits |
|------------------------------------------------------------------------------------------------------------|-----------|------|-----------|------|------------------|-----|------|------------|
|                                                                                                            | %Recovery | Qual | %Recovery | Qual |                  |     |      |            |
| Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 13,15 Batch: WG488631-2 WG488631-3 |           |      |           |      |                  |     |      |            |
| Dieldrin                                                                                                   | 95        |      | 87        |      | 30-150           | 9   |      | 20         |
| 4,4'-DDE                                                                                                   | 92        |      | 93        |      | 30-150           | 2   |      | 20         |
| 4,4'-DDD                                                                                                   | 96        |      | 91        |      | 30-150           | 5   |      | 20         |
| 4,4'-DDT                                                                                                   | 94        |      | 91        |      | 30-150           | 3   |      | 20         |
| Endosulfan I                                                                                               | 90        |      | 77        |      | 30-150           | 15  |      | 20         |
| Endosulfan II                                                                                              | 101       |      | 91        |      | 30-150           | 10  |      | 20         |
| Endosulfan sulfate                                                                                         | 134       |      | 117       |      | 30-150           | 14  |      | 20         |
| Methoxychlor                                                                                               | 82        |      | 84        |      | 30-150           | 3   |      | 20         |
| trans-Chlordane                                                                                            | 90        |      | 88        |      | 30-150           | 2   |      | 20         |

| Surrogate                    | LCS       |      | LCSD      |      | Acceptance Criteria | Column |
|------------------------------|-----------|------|-----------|------|---------------------|--------|
|                              | %Recovery | Qual | %Recovery | Qual |                     |        |
| 2,4,5,6-Tetrachloro-m-xylene | 69        |      | 67        |      | 30-150              | A      |
| Decachlorobiphenyl           | 86        |      | 89        |      | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 63        |      | 67        |      | 30-150              | B      |
| Decachlorobiphenyl           | 73        |      | 83        |      | 30-150              | B      |

## METALS

**Project Name:** 264 N. 10TH ST.  
**Project Number:** 11338

**Lab Number:** L1113555  
**Report Date:** 09/08/11

**SAMPLE RESULTS**

Lab ID: L1113555-01  
 Client ID: B-12 (6-8)  
 Sample Location: BROOKLYN, NY  
 Matrix: Soil  
 Percent Solids: 85%

Date Collected: 08/31/11 09:10  
 Date Received: 08/31/11  
 Field Prep: Not Specified

| Parameter                             | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|---------------------------------------|--------|-----------|-------|------|------|-----------------|----------------|----------------|-------------|-------------------|---------|
| <b>Total Metals - Westborough Lab</b> |        |           |       |      |      |                 |                |                |             |                   |         |
| Arsenic, Total                        | 9.5    |           | mg/kg | 0.44 | 0.15 | 1               | 09/03/11 16:57 | 09/08/11 15:26 | EPA 3050B   | 1,6010B           | MG      |
| Mercury, Total                        | 0.30   |           | mg/kg | 0.08 | 0.02 | 1               | 09/07/11 16:30 | 09/08/11 13:22 | EPA 7471A   | 1,7471A           | JP      |



**Project Name:** 264 N. 10TH ST.  
**Project Number:** 11338

**Lab Number:** L1113555  
**Report Date:** 09/08/11

**SAMPLE RESULTS**

Lab ID: L1113555-02  
 Client ID: B-12 (8-10)  
 Sample Location: BROOKLYN, NY  
 Matrix: Soil  
 Percent Solids: 84%

Date Collected: 08/31/11 09:14  
 Date Received: 08/31/11  
 Field Prep: Not Specified

| Parameter                             | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|---------------------------------------|--------|-----------|-------|------|------|-----------------|----------------|----------------|-------------|-------------------|---------|
| <b>Total Metals - Westborough Lab</b> |        |           |       |      |      |                 |                |                |             |                   |         |
| Arsenic, Total                        | 3.0    |           | mg/kg | 0.45 | 0.15 | 1               | 09/03/11 16:57 | 09/08/11 15:28 | EPA 3050B   | 1,6010B           | MG      |
| Mercury, Total                        | 0.14   |           | mg/kg | 0.09 | 0.02 | 1               | 09/07/11 16:30 | 09/08/11 13:24 | EPA 7471A   | 1,7471A           | JP      |



**Project Name:** 264 N. 10TH ST.  
**Project Number:** 11338

**Lab Number:** L1113555  
**Report Date:** 09/08/11

**SAMPLE RESULTS**

Lab ID: L1113555-04  
 Client ID: B-15 (5'-7')  
 Sample Location: BROOKLYN, NY  
 Matrix: Soil  
 Percent Solids: 78%

Date Collected: 08/31/11 11:55  
 Date Received: 08/31/11  
 Field Prep: Not Specified

| Parameter                             | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|---------------------------------------|--------|-----------|-------|------|------|-----------------|----------------|----------------|-------------|-------------------|---------|
| <b>Total Metals - Westborough Lab</b> |        |           |       |      |      |                 |                |                |             |                   |         |
| Barium, Total                         | 280    |           | mg/kg | 0.50 | 0.04 | 1               | 09/03/11 16:57 | 09/08/11 15:31 | EPA 3050B   | 1,6010B           | MG      |
| Cadmium, Total                        | ND     |           | mg/kg | 0.50 | 0.03 | 1               | 09/03/11 16:57 | 09/08/11 15:31 | EPA 3050B   | 1,6010B           | MG      |
| Copper, Total                         | 260    |           | mg/kg | 0.50 | 0.23 | 1               | 09/03/11 16:57 | 09/08/11 15:31 | EPA 3050B   | 1,6010B           | MG      |
| Lead, Total                           | 480    |           | mg/kg | 2.5  | 0.14 | 1               | 09/03/11 16:57 | 09/08/11 15:31 | EPA 3050B   | 1,6010B           | MG      |
| Mercury, Total                        | 1.0    |           | mg/kg | 0.10 | 0.02 | 1               | 09/07/11 16:30 | 09/08/11 13:29 | EPA 7471A   | 1,7471A           | JP      |

**Project Name:** 264 N. 10TH ST.  
**Project Number:** 11338

**Lab Number:** L1113555  
**Report Date:** 09/08/11

**SAMPLE RESULTS**

Lab ID: L1113555-05  
 Client ID: B-15 (7'-9')  
 Sample Location: BROOKLYN, NY  
 Matrix: Soil  
 Percent Solids: 65%

Date Collected: 08/31/11 11:58  
 Date Received: 08/31/11  
 Field Prep: Not Specified

| Parameter                             | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|---------------------------------------|--------|-----------|-------|------|------|-----------------|----------------|----------------|-------------|-------------------|---------|
| <b>Total Metals - Westborough Lab</b> |        |           |       |      |      |                 |                |                |             |                   |         |
| Barium, Total                         | 310    |           | mg/kg | 0.58 | 0.05 | 1               | 09/03/11 16:57 | 09/08/11 15:33 | EPA 3050B   | 1,6010B           | MG      |
| Cadmium, Total                        | 0.27   | J         | mg/kg | 0.58 | 0.04 | 1               | 09/03/11 16:57 | 09/08/11 15:33 | EPA 3050B   | 1,6010B           | MG      |
| Copper, Total                         | 120    |           | mg/kg | 0.58 | 0.27 | 1               | 09/03/11 16:57 | 09/08/11 15:33 | EPA 3050B   | 1,6010B           | MG      |
| Lead, Total                           | 790    |           | mg/kg | 2.9  | 0.16 | 1               | 09/03/11 16:57 | 09/08/11 15:33 | EPA 3050B   | 1,6010B           | MG      |
| Mercury, Total                        | 3.9    |           | mg/kg | 0.58 | 0.12 | 5               | 09/07/11 16:30 | 09/08/11 14:40 | EPA 7471A   | 1,7471A           | JP      |

**Project Name:** 264 N. 10TH ST.  
**Project Number:** 11338

**Lab Number:** L1113555  
**Report Date:** 09/08/11

**SAMPLE RESULTS**

Lab ID: L1113555-07  
 Client ID: B-8 (6'-8')  
 Sample Location: BROOKLYN, NY  
 Matrix: Soil  
 Percent Solids: 86%

Date Collected: 08/31/11 12:30  
 Date Received: 08/31/11  
 Field Prep: Not Specified

| Parameter                             | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|---------------------------------------|--------|-----------|-------|------|------|-----------------|----------------|----------------|-------------|-------------------|---------|
| <b>Total Metals - Westborough Lab</b> |        |           |       |      |      |                 |                |                |             |                   |         |
| Mercury, Total                        | 0.18   |           | mg/kg | 0.08 | 0.02 | 1               | 09/07/11 16:30 | 09/08/11 13:33 | EPA 7471A   | 1,7471A           | JP      |



**Project Name:** 264 N. 10TH ST.  
**Project Number:** 11338

**Lab Number:** L1113555  
**Report Date:** 09/08/11

**SAMPLE RESULTS**

Lab ID: L1113555-08  
 Client ID: B-8 (8'-10')  
 Sample Location: BROOKLYN, NY  
 Matrix: Soil  
 Percent Solids: 70%

Date Collected: 08/31/11 12:32  
 Date Received: 08/31/11  
 Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|-----------|--------|-----------|-------|----|-----|-----------------|---------------|---------------|-------------|-------------------|---------|
|-----------|--------|-----------|-------|----|-----|-----------------|---------------|---------------|-------------|-------------------|---------|

**Total Metals - Westborough Lab**

|                |     |  |       |      |      |    |                |                |           |         |    |
|----------------|-----|--|-------|------|------|----|----------------|----------------|-----------|---------|----|
| Mercury, Total | 8.9 |  | mg/kg | 0.96 | 0.20 | 10 | 09/07/11 16:30 | 09/08/11 14:42 | EPA 7471A | 1,7471A | JP |
|----------------|-----|--|-------|------|------|----|----------------|----------------|-----------|---------|----|



**Project Name:** 264 N. 10TH ST.  
**Project Number:** 11338

**Lab Number:** L1113555  
**Report Date:** 09/08/11

**SAMPLE RESULTS**

Lab ID: L1113555-09  
 Client ID: B-2 (4'-6')  
 Sample Location: BROOKLYN, NY  
 Matrix: Soil  
 Percent Solids: 83%

Date Collected: 08/31/11 13:50  
 Date Received: 08/31/11  
 Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|-----------|--------|-----------|-------|----|-----|-----------------|---------------|---------------|-------------|-------------------|---------|
|-----------|--------|-----------|-------|----|-----|-----------------|---------------|---------------|-------------|-------------------|---------|

**Total Metals - Westborough Lab**

|                |      |  |       |      |      |   |                |                |           |         |    |
|----------------|------|--|-------|------|------|---|----------------|----------------|-----------|---------|----|
| Copper, Total  | 28   |  | mg/kg | 0.46 | 0.21 | 1 | 09/03/11 16:57 | 09/08/11 15:36 | EPA 3050B | 1,6010B | MG |
| Mercury, Total | 0.60 |  | mg/kg | 0.08 | 0.02 | 1 | 09/07/11 16:30 | 09/08/11 13:37 | EPA 7471A | 1,7471A | JP |



**Project Name:** 264 N. 10TH ST.  
**Project Number:** 11338

**Lab Number:** L1113555  
**Report Date:** 09/08/11

**SAMPLE RESULTS**

Lab ID: L1113555-10  
 Client ID: B-2 (6'-8')  
 Sample Location: BROOKLYN, NY  
 Matrix: Soil  
 Percent Solids: 86%

Date Collected: 08/31/11 13:55  
 Date Received: 08/31/11  
 Field Prep: Not Specified

| Parameter                             | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|---------------------------------------|--------|-----------|-------|------|------|-----------------|----------------|----------------|-------------|-------------------|---------|
| <b>Total Metals - Westborough Lab</b> |        |           |       |      |      |                 |                |                |             |                   |         |
| Copper, Total                         | 21     |           | mg/kg | 0.44 | 0.20 | 1               | 09/03/11 16:57 | 09/08/11 15:38 | EPA 3050B   | 1,6010B           | MG      |
| Mercury, Total                        | 0.07   | J         | mg/kg | 0.08 | 0.02 | 1               | 09/07/11 16:30 | 09/08/11 13:39 | EPA 7471A   | 1,7471A           | JP      |



**Project Name:** 264 N. 10TH ST.  
**Project Number:** 11338

**Lab Number:** L1113555  
**Report Date:** 09/08/11

**SAMPLE RESULTS**

**Lab ID:** L1113555-12  
**Client ID:** GW-12  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Water

**Date Collected:** 08/31/11 10:10  
**Date Received:** 08/31/11  
**Field Prep:** Not Specified

| Parameter                             | Result | Qualifier | Units | RL     | MDL    | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|---------------------------------------|--------|-----------|-------|--------|--------|-----------------|----------------|----------------|-------------|-------------------|---------|
| <b>Total Metals - Westborough Lab</b> |        |           |       |        |        |                 |                |                |             |                   |         |
| Aluminum, Total                       | 52     |           | mg/l  | 0.10   | 0.02   | 1               | 09/03/11 15:30 | 09/07/11 15:20 | EPA 3005A   | 1,6010B           | AI      |
| Antimony, Total                       | ND     |           | mg/l  | 0.0100 | 0.0011 | 10              | 09/03/11 15:30 | 09/05/11 20:53 | EPA 3005A   | 1,6020            | RC      |
| Arsenic, Total                        | 0.028  |           | mg/l  | 0.005  | 0.002  | 1               | 09/03/11 15:30 | 09/07/11 15:20 | EPA 3005A   | 1,6010B           | AI      |
| Barium, Total                         | 1.10   |           | mg/l  | 0.010  | 0.001  | 1               | 09/03/11 15:30 | 09/07/11 15:20 | EPA 3005A   | 1,6010B           | AI      |
| Beryllium, Total                      | 0.0054 |           | mg/l  | 0.0050 | 0.0003 | 10              | 09/03/11 15:30 | 09/05/11 20:53 | EPA 3005A   | 1,6020            | RC      |
| Cadmium, Total                        | 0.002  | J         | mg/l  | 0.005  | 0.001  | 1               | 09/03/11 15:30 | 09/07/11 15:20 | EPA 3005A   | 1,6010B           | AI      |
| Calcium, Total                        | 240    |           | mg/l  | 0.10   | 0.02   | 1               | 09/03/11 15:30 | 09/07/11 15:20 | EPA 3005A   | 1,6010B           | AI      |
| Chromium, Total                       | 0.14   |           | mg/l  | 0.01   | 0.002  | 1               | 09/03/11 15:30 | 09/07/11 15:20 | EPA 3005A   | 1,6010B           | AI      |
| Cobalt, Total                         | 0.090  |           | mg/l  | 0.020  | 0.002  | 1               | 09/03/11 15:30 | 09/07/11 15:20 | EPA 3005A   | 1,6010B           | AI      |
| Copper, Total                         | 0.222  |           | mg/l  | 0.010  | 0.005  | 1               | 09/03/11 15:30 | 09/07/11 15:20 | EPA 3005A   | 1,6010B           | AI      |
| Iron, Total                           | 190    |           | mg/l  | 0.05   | 0.02   | 1               | 09/03/11 15:30 | 09/07/11 15:20 | EPA 3005A   | 1,6010B           | AI      |
| Lead, Total                           | 0.958  |           | mg/l  | 0.010  | 0.003  | 1               | 09/03/11 15:30 | 09/07/11 15:20 | EPA 3005A   | 1,6010B           | AI      |
| Magnesium, Total                      | 35     |           | mg/l  | 0.10   | 0.05   | 1               | 09/03/11 15:30 | 09/07/11 15:20 | EPA 3005A   | 1,6010B           | AI      |
| Manganese, Total                      | 6.81   |           | mg/l  | 0.010  | 0.001  | 1               | 09/03/11 15:30 | 09/07/11 15:20 | EPA 3005A   | 1,6010B           | AI      |
| Mercury, Total                        | ND     |           | mg/l  | 0.0002 | 0.0001 | 1               | 09/07/11 20:30 | 09/08/11 10:20 | EPA 7470A   | 1,7470A           | JP      |
| Nickel, Total                         | 0.151  |           | mg/l  | 0.025  | 0.003  | 1               | 09/03/11 15:30 | 09/07/11 15:20 | EPA 3005A   | 1,6010B           | AI      |
| Potassium, Total                      | 25     |           | mg/l  | 2.5    | 0.80   | 1               | 09/03/11 15:30 | 09/07/11 15:20 | EPA 3005A   | 1,6010B           | AI      |
| Selenium, Total                       | ND     |           | mg/l  | 0.010  | 0.003  | 1               | 09/03/11 15:30 | 09/07/11 15:20 | EPA 3005A   | 1,6010B           | AI      |
| Silver, Total                         | ND     |           | mg/l  | 0.007  | 0.002  | 1               | 09/03/11 15:30 | 09/07/11 15:20 | EPA 3005A   | 1,6010B           | AI      |
| Sodium, Total                         | 50     |           | mg/l  | 2.0    | 0.80   | 1               | 09/03/11 15:30 | 09/07/11 15:20 | EPA 3005A   | 1,6010B           | AI      |
| Thallium, Total                       | 0.0010 | J         | mg/l  | 0.0050 | 0.0003 | 10              | 09/03/11 15:30 | 09/05/11 20:53 | EPA 3005A   | 1,6020            | RC      |
| Vanadium, Total                       | 0.206  |           | mg/l  | 0.010  | 0.002  | 1               | 09/03/11 15:30 | 09/07/11 15:20 | EPA 3005A   | 1,6010B           | AI      |
| Zinc, Total                           | 1.49   |           | mg/l  | 0.050  | 0.005  | 1               | 09/03/11 15:30 | 09/07/11 15:20 | EPA 3005A   | 1,6010B           | AI      |

**Dissolved Metals - Westborough Lab**

|                      |        |   |      |        |         |   |                |                |           |         |    |
|----------------------|--------|---|------|--------|---------|---|----------------|----------------|-----------|---------|----|
| Aluminum, Dissolved  | 0.97   |   | mg/l | 0.10   | 0.02    | 1 | 09/04/11 10:45 | 09/08/11 08:35 | EPA 3005A | 1,6010B | MG |
| Antimony, Dissolved  | 0.0010 | J | mg/l | 0.0010 | 0.0001  | 1 | 09/04/11 10:45 | 09/08/11 00:05 | EPA 3005A | 1,6020  | BM |
| Arsenic, Dissolved   | ND     |   | mg/l | 0.005  | 0.003   | 1 | 09/04/11 10:45 | 09/08/11 08:35 | EPA 3005A | 1,6010B | MG |
| Barium, Dissolved    | 0.144  |   | mg/l | 0.010  | 0.001   | 1 | 09/04/11 10:45 | 09/08/11 08:35 | EPA 3005A | 1,6010B | MG |
| Beryllium, Dissolved | ND     |   | mg/l | 0.0005 | 0.00003 | 1 | 09/04/11 10:45 | 09/08/11 00:05 | EPA 3005A | 1,6020  | BM |
| Cadmium, Dissolved   | ND     |   | mg/l | 0.005  | 0.001   | 1 | 09/04/11 10:45 | 09/08/11 08:35 | EPA 3005A | 1,6010B | MG |



**Project Name:** 264 N. 10TH ST.  
**Project Number:** 11338

**Lab Number:** L1113555  
**Report Date:** 09/08/11

**SAMPLE RESULTS**

**Lab ID:** L1113555-12  
**Client ID:** GW-12  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Water

**Date Collected:** 08/31/11 10:10  
**Date Received:** 08/31/11  
**Field Prep:** Not Specified

| Parameter            | Result  | Qualifier | Units | RL      | MDL     | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|----------------------|---------|-----------|-------|---------|---------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Calcium, Dissolved   | 160     |           | mg/l  | 0.10    | 0.02    | 1               | 09/04/11 10:45 | 09/08/11 08:35 | EPA 3005A   | 1,6010B           | MG      |
| Chromium, Dissolved  | ND      |           | mg/l  | 0.01    | 0.002   | 1               | 09/04/11 10:45 | 09/08/11 08:35 | EPA 3005A   | 1,6010B           | MG      |
| Cobalt, Dissolved    | ND      |           | mg/l  | 0.020   | 0.002   | 1               | 09/04/11 10:45 | 09/08/11 08:35 | EPA 3005A   | 1,6010B           | MG      |
| Copper, Dissolved    | ND      |           | mg/l  | 0.010   | 0.005   | 1               | 09/04/11 10:45 | 09/08/11 08:35 | EPA 3005A   | 1,6010B           | MG      |
| Iron, Dissolved      | 0.63    |           | mg/l  | 0.05    | 0.02    | 1               | 09/04/11 10:45 | 09/08/11 08:35 | EPA 3005A   | 1,6010B           | MG      |
| Lead, Dissolved      | 0.003   | J         | mg/l  | 0.010   | 0.003   | 1               | 09/04/11 10:45 | 09/08/11 08:35 | EPA 3005A   | 1,6010B           | MG      |
| Magnesium, Dissolved | 24      |           | mg/l  | 0.10    | 0.05    | 1               | 09/04/11 10:45 | 09/08/11 08:35 | EPA 3005A   | 1,6010B           | MG      |
| Manganese, Dissolved | 0.570   |           | mg/l  | 0.010   | 0.001   | 1               | 09/04/11 10:45 | 09/08/11 08:35 | EPA 3005A   | 1,6010B           | MG      |
| Mercury, Dissolved   | ND      |           | mg/l  | 0.0002  | 0.0001  | 1               | 09/07/11 20:30 | 09/08/11 09:52 | EPA 7470A   | 1,7470A           | JP      |
| Nickel, Dissolved    | 0.003   | J         | mg/l  | 0.025   | 0.003   | 1               | 09/04/11 10:45 | 09/08/11 08:35 | EPA 3005A   | 1,6010B           | MG      |
| Potassium, Dissolved | 24      |           | mg/l  | 2.5     | 0.80    | 1               | 09/04/11 10:45 | 09/08/11 08:35 | EPA 3005A   | 1,6010B           | MG      |
| Selenium, Dissolved  | 0.004   | J         | mg/l  | 0.010   | 0.003   | 1               | 09/04/11 10:45 | 09/08/11 08:35 | EPA 3005A   | 1,6010B           | MG      |
| Silver, Dissolved    | ND      |           | mg/l  | 0.007   | 0.002   | 1               | 09/04/11 10:45 | 09/08/11 08:35 | EPA 3005A   | 1,6010B           | MG      |
| Sodium, Dissolved    | 60      |           | mg/l  | 2.0     | 0.80    | 1               | 09/04/11 10:45 | 09/08/11 08:35 | EPA 3005A   | 1,6010B           | MG      |
| Thallium, Dissolved  | 0.00003 | J         | mg/l  | 0.00050 | 0.00003 | 1               | 09/04/11 10:45 | 09/08/11 00:05 | EPA 3005A   | 1,6020            | BM      |
| Vanadium, Dissolved  | ND      |           | mg/l  | 0.010   | 0.002   | 1               | 09/04/11 10:45 | 09/08/11 08:35 | EPA 3005A   | 1,6010B           | MG      |
| Zinc, Dissolved      | 0.011   | J         | mg/l  | 0.050   | 0.005   | 1               | 09/04/11 10:45 | 09/08/11 08:35 | EPA 3005A   | 1,6010B           | MG      |



**Project Name:** 264 N. 10TH ST.  
**Project Number:** 11338

**Lab Number:** L1113555  
**Report Date:** 09/08/11

**SAMPLE RESULTS**

**Lab ID:** L1113555-13  
**Client ID:** GW-15  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Water

**Date Collected:** 08/31/11 12:07  
**Date Received:** 08/31/11  
**Field Prep:** Not Specified

| Parameter                                 | Result | Qualifier | Units | RL     | MDL     | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|-------------------------------------------|--------|-----------|-------|--------|---------|-----------------|----------------|----------------|-------------|-------------------|---------|
| <b>Total Metals - Westborough Lab</b>     |        |           |       |        |         |                 |                |                |             |                   |         |
| Aluminum, Total                           | 3.2    |           | mg/l  | 0.10   | 0.02    | 1               | 09/03/11 15:30 | 09/07/11 14:32 | EPA 3005A   | 1,6010B           | AI      |
| Antimony, Total                           | 0.0013 | J         | mg/l  | 0.0100 | 0.0011  | 10              | 09/03/11 15:30 | 09/05/11 21:05 | EPA 3005A   | 1,6020            | RC      |
| Arsenic, Total                            | 0.023  |           | mg/l  | 0.005  | 0.002   | 1               | 09/03/11 15:30 | 09/07/11 14:32 | EPA 3005A   | 1,6010B           | AI      |
| Barium, Total                             | 0.473  |           | mg/l  | 0.010  | 0.001   | 1               | 09/03/11 15:30 | 09/07/11 14:32 | EPA 3005A   | 1,6010B           | AI      |
| Beryllium, Total                          | ND     |           | mg/l  | 0.0050 | 0.0003  | 10              | 09/03/11 15:30 | 09/05/11 21:05 | EPA 3005A   | 1,6020            | RC      |
| Cadmium, Total                            | ND     |           | mg/l  | 0.005  | 0.001   | 1               | 09/03/11 15:30 | 09/07/11 14:32 | EPA 3005A   | 1,6010B           | AI      |
| Calcium, Total                            | 210    |           | mg/l  | 0.10   | 0.02    | 1               | 09/03/11 15:30 | 09/07/11 14:32 | EPA 3005A   | 1,6010B           | AI      |
| Chromium, Total                           | 0.01   |           | mg/l  | 0.01   | 0.002   | 1               | 09/03/11 15:30 | 09/07/11 14:32 | EPA 3005A   | 1,6010B           | AI      |
| Cobalt, Total                             | 0.004  | J         | mg/l  | 0.020  | 0.002   | 1               | 09/03/11 15:30 | 09/07/11 14:32 | EPA 3005A   | 1,6010B           | AI      |
| Copper, Total                             | 0.044  |           | mg/l  | 0.010  | 0.005   | 1               | 09/03/11 15:30 | 09/07/11 14:32 | EPA 3005A   | 1,6010B           | AI      |
| Iron, Total                               | 9.5    |           | mg/l  | 0.05   | 0.02    | 1               | 09/03/11 15:30 | 09/07/11 14:32 | EPA 3005A   | 1,6010B           | AI      |
| Lead, Total                               | 0.495  |           | mg/l  | 0.010  | 0.003   | 1               | 09/03/11 15:30 | 09/07/11 14:32 | EPA 3005A   | 1,6010B           | AI      |
| Magnesium, Total                          | 28     |           | mg/l  | 0.10   | 0.05    | 1               | 09/03/11 15:30 | 09/07/11 14:32 | EPA 3005A   | 1,6010B           | AI      |
| Manganese, Total                          | 0.616  |           | mg/l  | 0.010  | 0.001   | 1               | 09/03/11 15:30 | 09/07/11 14:32 | EPA 3005A   | 1,6010B           | AI      |
| Mercury, Total                            | ND     |           | mg/l  | 0.0002 | 0.0001  | 1               | 09/07/11 20:30 | 09/08/11 10:25 | EPA 7470A   | 1,7470A           | JP      |
| Nickel, Total                             | 0.007  | J         | mg/l  | 0.025  | 0.003   | 1               | 09/03/11 15:30 | 09/07/11 14:32 | EPA 3005A   | 1,6010B           | AI      |
| Potassium, Total                          | 30     |           | mg/l  | 2.5    | 0.80    | 1               | 09/03/11 15:30 | 09/07/11 14:32 | EPA 3005A   | 1,6010B           | AI      |
| Selenium, Total                           | ND     |           | mg/l  | 0.010  | 0.003   | 1               | 09/03/11 15:30 | 09/07/11 14:32 | EPA 3005A   | 1,6010B           | AI      |
| Silver, Total                             | ND     |           | mg/l  | 0.007  | 0.002   | 1               | 09/03/11 15:30 | 09/07/11 14:32 | EPA 3005A   | 1,6010B           | AI      |
| Sodium, Total                             | 63     |           | mg/l  | 2.0    | 0.80    | 1               | 09/03/11 15:30 | 09/07/11 14:32 | EPA 3005A   | 1,6010B           | AI      |
| Thallium, Total                           | ND     |           | mg/l  | 0.0050 | 0.0003  | 10              | 09/03/11 15:30 | 09/05/11 21:05 | EPA 3005A   | 1,6020            | RC      |
| Vanadium, Total                           | 0.015  |           | mg/l  | 0.010  | 0.002   | 1               | 09/03/11 15:30 | 09/07/11 14:32 | EPA 3005A   | 1,6010B           | AI      |
| Zinc, Total                               | 0.272  |           | mg/l  | 0.050  | 0.005   | 1               | 09/03/11 15:30 | 09/07/11 14:32 | EPA 3005A   | 1,6010B           | AI      |
| <b>Dissolved Metals - Westborough Lab</b> |        |           |       |        |         |                 |                |                |             |                   |         |
| Aluminum, Dissolved                       | 0.06   | J         | mg/l  | 0.10   | 0.02    | 1               | 09/04/11 10:45 | 09/08/11 08:45 | EPA 3005A   | 1,6010B           | MG      |
| Antimony, Dissolved                       | 0.0012 |           | mg/l  | 0.0010 | 0.0001  | 1               | 09/04/11 10:45 | 09/08/11 00:42 | EPA 3005A   | 1,6020            | BM      |
| Arsenic, Dissolved                        | 0.004  | J         | mg/l  | 0.005  | 0.003   | 1               | 09/04/11 10:45 | 09/08/11 08:45 | EPA 3005A   | 1,6010B           | MG      |
| Barium, Dissolved                         | 0.148  |           | mg/l  | 0.010  | 0.001   | 1               | 09/04/11 10:45 | 09/08/11 08:45 | EPA 3005A   | 1,6010B           | MG      |
| Beryllium, Dissolved                      | ND     |           | mg/l  | 0.0005 | 0.00003 | 1               | 09/04/11 10:45 | 09/08/11 00:42 | EPA 3005A   | 1,6020            | BM      |
| Cadmium, Dissolved                        | ND     |           | mg/l  | 0.005  | 0.001   | 1               | 09/04/11 10:45 | 09/08/11 08:45 | EPA 3005A   | 1,6010B           | MG      |



**Project Name:** 264 N. 10TH ST.  
**Project Number:** 11338

**Lab Number:** L1113555  
**Report Date:** 09/08/11

**SAMPLE RESULTS**

**Lab ID:** L1113555-13  
**Client ID:** GW-15  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Water

**Date Collected:** 08/31/11 12:07  
**Date Received:** 08/31/11  
**Field Prep:** Not Specified

| Parameter            | Result | Qualifier | Units | RL     | MDL     | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|----------------------|--------|-----------|-------|--------|---------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Calcium, Dissolved   | 190    |           | mg/l  | 0.10   | 0.02    | 1               | 09/04/11 10:45 | 09/08/11 08:45 | EPA 3005A   | 1,6010B           | MG      |
| Chromium, Dissolved  | ND     |           | mg/l  | 0.01   | 0.002   | 1               | 09/04/11 10:45 | 09/08/11 08:45 | EPA 3005A   | 1,6010B           | MG      |
| Cobalt, Dissolved    | ND     |           | mg/l  | 0.020  | 0.002   | 1               | 09/04/11 10:45 | 09/08/11 08:45 | EPA 3005A   | 1,6010B           | MG      |
| Copper, Dissolved    | ND     |           | mg/l  | 0.010  | 0.005   | 1               | 09/04/11 10:45 | 09/08/11 08:45 | EPA 3005A   | 1,6010B           | MG      |
| Iron, Dissolved      | 0.29   |           | mg/l  | 0.05   | 0.02    | 1               | 09/04/11 10:45 | 09/08/11 08:45 | EPA 3005A   | 1,6010B           | MG      |
| Lead, Dissolved      | 0.008  | J         | mg/l  | 0.010  | 0.003   | 1               | 09/04/11 10:45 | 09/08/11 08:45 | EPA 3005A   | 1,6010B           | MG      |
| Magnesium, Dissolved | 32     |           | mg/l  | 0.10   | 0.05    | 1               | 09/04/11 10:45 | 09/08/11 08:45 | EPA 3005A   | 1,6010B           | MG      |
| Manganese, Dissolved | 0.510  |           | mg/l  | 0.010  | 0.001   | 1               | 09/04/11 10:45 | 09/08/11 08:45 | EPA 3005A   | 1,6010B           | MG      |
| Mercury, Dissolved   | ND     |           | mg/l  | 0.0002 | 0.0001  | 1               | 09/07/11 20:30 | 09/08/11 09:53 | EPA 7470A   | 1,7470A           | JP      |
| Nickel, Dissolved    | ND     |           | mg/l  | 0.025  | 0.003   | 1               | 09/04/11 10:45 | 09/08/11 08:45 | EPA 3005A   | 1,6010B           | MG      |
| Potassium, Dissolved | 37     |           | mg/l  | 2.5    | 0.80    | 1               | 09/04/11 10:45 | 09/08/11 08:45 | EPA 3005A   | 1,6010B           | MG      |
| Selenium, Dissolved  | ND     |           | mg/l  | 0.010  | 0.003   | 1               | 09/04/11 10:45 | 09/08/11 08:45 | EPA 3005A   | 1,6010B           | MG      |
| Silver, Dissolved    | ND     |           | mg/l  | 0.007  | 0.002   | 1               | 09/04/11 10:45 | 09/08/11 08:45 | EPA 3005A   | 1,6010B           | MG      |
| Sodium, Dissolved    | 72     |           | mg/l  | 2.0    | 0.80    | 1               | 09/04/11 10:45 | 09/08/11 08:45 | EPA 3005A   | 1,6010B           | MG      |
| Thallium, Dissolved  | 0.0001 | J         | mg/l  | 0.0005 | 0.00003 | 1               | 09/04/11 10:45 | 09/08/11 00:42 | EPA 3005A   | 1,6020            | BM      |
| Vanadium, Dissolved  | ND     |           | mg/l  | 0.010  | 0.002   | 1               | 09/04/11 10:45 | 09/08/11 08:45 | EPA 3005A   | 1,6010B           | MG      |
| Zinc, Dissolved      | 0.020  | J         | mg/l  | 0.050  | 0.005   | 1               | 09/04/11 10:45 | 09/08/11 08:45 | EPA 3005A   | 1,6010B           | MG      |

**Project Name:** 264 N. 10TH ST.  
**Project Number:** 11338

**Lab Number:** L1113555  
**Report Date:** 09/08/11

**SAMPLE RESULTS**

**Lab ID:** L1113555-14  
**Client ID:** GW-8  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Water

**Date Collected:** 08/31/11 13:05  
**Date Received:** 08/31/11  
**Field Prep:** Not Specified

| Parameter                             | Result | Qualifier | Units | RL     | MDL    | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|---------------------------------------|--------|-----------|-------|--------|--------|-----------------|----------------|----------------|-------------|-------------------|---------|
| <b>Total Metals - Westborough Lab</b> |        |           |       |        |        |                 |                |                |             |                   |         |
| Aluminum, Total                       | 29     |           | mg/l  | 0.10   | 0.02   | 1               | 09/03/11 15:30 | 09/07/11 14:43 | EPA 3005A   | 1,6010B           | AI      |
| Antimony, Total                       | 0.0041 | J         | mg/l  | 0.0200 | 0.0022 | 20              | 09/03/11 15:30 | 09/05/11 22:08 | EPA 3005A   | 1,6020            | RC      |
| Arsenic, Total                        | 0.061  |           | mg/l  | 0.005  | 0.002  | 1               | 09/03/11 15:30 | 09/07/11 14:43 | EPA 3005A   | 1,6010B           | AI      |
| Barium, Total                         | 0.592  |           | mg/l  | 0.010  | 0.001  | 1               | 09/03/11 15:30 | 09/07/11 14:43 | EPA 3005A   | 1,6010B           | AI      |
| Beryllium, Total                      | 0.0027 | J         | mg/l  | 0.0100 | 0.0006 | 20              | 09/03/11 15:30 | 09/05/11 22:08 | EPA 3005A   | 1,6020            | RC      |
| Cadmium, Total                        | 0.003  | J         | mg/l  | 0.005  | 0.001  | 1               | 09/03/11 15:30 | 09/07/11 14:43 | EPA 3005A   | 1,6010B           | AI      |
| Calcium, Total                        | 500    |           | mg/l  | 0.10   | 0.02   | 1               | 09/03/11 15:30 | 09/07/11 14:43 | EPA 3005A   | 1,6010B           | AI      |
| Chromium, Total                       | 0.08   |           | mg/l  | 0.01   | 0.002  | 1               | 09/03/11 15:30 | 09/07/11 14:43 | EPA 3005A   | 1,6010B           | AI      |
| Cobalt, Total                         | 0.030  |           | mg/l  | 0.020  | 0.002  | 1               | 09/03/11 15:30 | 09/07/11 14:43 | EPA 3005A   | 1,6010B           | AI      |
| Copper, Total                         | 0.298  |           | mg/l  | 0.010  | 0.005  | 1               | 09/03/11 15:30 | 09/07/11 14:43 | EPA 3005A   | 1,6010B           | AI      |
| Iron, Total                           | 190    |           | mg/l  | 0.05   | 0.02   | 1               | 09/03/11 15:30 | 09/07/11 14:43 | EPA 3005A   | 1,6010B           | AI      |
| Lead, Total                           | 3.50   |           | mg/l  | 0.010  | 0.003  | 1               | 09/03/11 15:30 | 09/07/11 14:43 | EPA 3005A   | 1,6010B           | AI      |
| Magnesium, Total                      | 71     |           | mg/l  | 0.10   | 0.05   | 1               | 09/03/11 15:30 | 09/07/11 14:43 | EPA 3005A   | 1,6010B           | AI      |
| Manganese, Total                      | 19.7   |           | mg/l  | 0.010  | 0.001  | 1               | 09/03/11 15:30 | 09/07/11 14:43 | EPA 3005A   | 1,6010B           | AI      |
| Mercury, Total                        | ND     |           | mg/l  | 0.0002 | 0.0001 | 1               | 09/07/11 20:30 | 09/08/11 10:27 | EPA 7470A   | 1,7470A           | JP      |
| Nickel, Total                         | 0.051  |           | mg/l  | 0.025  | 0.003  | 1               | 09/03/11 15:30 | 09/07/11 14:43 | EPA 3005A   | 1,6010B           | AI      |
| Potassium, Total                      | 40     |           | mg/l  | 2.5    | 0.80   | 1               | 09/03/11 15:30 | 09/07/11 14:43 | EPA 3005A   | 1,6010B           | AI      |
| Selenium, Total                       | ND     |           | mg/l  | 0.010  | 0.003  | 1               | 09/03/11 15:30 | 09/07/11 14:43 | EPA 3005A   | 1,6010B           | AI      |
| Silver, Total                         | 0.004  | J         | mg/l  | 0.007  | 0.002  | 1               | 09/03/11 15:30 | 09/07/11 14:43 | EPA 3005A   | 1,6010B           | AI      |
| Sodium, Total                         | 100    |           | mg/l  | 2.0    | 0.80   | 1               | 09/03/11 15:30 | 09/07/11 14:43 | EPA 3005A   | 1,6010B           | AI      |
| Thallium, Total                       | 0.0008 | J         | mg/l  | 0.0100 | 0.0006 | 20              | 09/03/11 15:30 | 09/05/11 22:08 | EPA 3005A   | 1,6020            | RC      |
| Vanadium, Total                       | 0.095  |           | mg/l  | 0.010  | 0.002  | 1               | 09/03/11 15:30 | 09/07/11 14:43 | EPA 3005A   | 1,6010B           | AI      |
| Zinc, Total                           | 3.08   |           | mg/l  | 0.050  | 0.005  | 1               | 09/03/11 15:30 | 09/07/11 14:43 | EPA 3005A   | 1,6010B           | AI      |

**Dissolved Metals - Westborough Lab**

|                      |        |   |      |        |        |   |                |                |           |         |    |
|----------------------|--------|---|------|--------|--------|---|----------------|----------------|-----------|---------|----|
| Aluminum, Dissolved  | 0.35   |   | mg/l | 0.10   | 0.02   | 1 | 09/04/11 10:45 | 09/08/11 08:47 | EPA 3005A | 1,6010B | MG |
| Antimony, Dissolved  | 0.0013 | J | mg/l | 0.0050 | 0.0006 | 5 | 09/04/11 10:45 | 09/08/11 00:49 | EPA 3005A | 1,6020  | BM |
| Arsenic, Dissolved   | 0.004  | J | mg/l | 0.005  | 0.003  | 1 | 09/04/11 10:45 | 09/08/11 08:47 | EPA 3005A | 1,6010B | MG |
| Barium, Dissolved    | 0.097  |   | mg/l | 0.010  | 0.001  | 1 | 09/04/11 10:45 | 09/08/11 08:47 | EPA 3005A | 1,6010B | MG |
| Beryllium, Dissolved | ND     |   | mg/l | 0.0025 | 0.0001 | 5 | 09/04/11 10:45 | 09/08/11 00:49 | EPA 3005A | 1,6020  | BM |
| Cadmium, Dissolved   | ND     |   | mg/l | 0.005  | 0.001  | 1 | 09/04/11 10:45 | 09/08/11 08:47 | EPA 3005A | 1,6010B | MG |



**Project Name:** 264 N. 10TH ST.  
**Project Number:** 11338

**Lab Number:** L1113555  
**Report Date:** 09/08/11

**SAMPLE RESULTS**

**Lab ID:** L1113555-14  
**Client ID:** GW-8  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Water

**Date Collected:** 08/31/11 13:05  
**Date Received:** 08/31/11  
**Field Prep:** Not Specified

| Parameter            | Result | Qualifier | Units | RL     | MDL    | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|----------------------|--------|-----------|-------|--------|--------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Calcium, Dissolved   | 500    |           | mg/l  | 10     | 2.2    | 100             | 09/04/11 10:45 | 09/08/11 08:52 | EPA 3005A   | 1,6010B           | MG      |
| Chromium, Dissolved  | 0.003  | J         | mg/l  | 0.010  | 0.002  | 1               | 09/04/11 10:45 | 09/08/11 08:47 | EPA 3005A   | 1,6010B           | MG      |
| Cobalt, Dissolved    | 0.023  |           | mg/l  | 0.020  | 0.002  | 1               | 09/04/11 10:45 | 09/08/11 08:47 | EPA 3005A   | 1,6010B           | MG      |
| Copper, Dissolved    | ND     |           | mg/l  | 0.010  | 0.005  | 1               | 09/04/11 10:45 | 09/08/11 08:47 | EPA 3005A   | 1,6010B           | MG      |
| Iron, Dissolved      | 44     |           | mg/l  | 0.05   | 0.02   | 1               | 09/04/11 10:45 | 09/08/11 08:47 | EPA 3005A   | 1,6010B           | MG      |
| Lead, Dissolved      | 0.030  |           | mg/l  | 0.010  | 0.003  | 1               | 09/04/11 10:45 | 09/08/11 08:47 | EPA 3005A   | 1,6010B           | MG      |
| Magnesium, Dissolved | 76     |           | mg/l  | 0.10   | 0.05   | 1               | 09/04/11 10:45 | 09/08/11 08:47 | EPA 3005A   | 1,6010B           | MG      |
| Manganese, Dissolved | 16.5   |           | mg/l  | 0.010  | 0.001  | 1               | 09/04/11 10:45 | 09/08/11 08:47 | EPA 3005A   | 1,6010B           | MG      |
| Mercury, Dissolved   | ND     |           | mg/l  | 0.0002 | 0.0001 | 1               | 09/07/11 20:30 | 09/08/11 09:55 | EPA 7470A   | 1,7470A           | JP      |
| Nickel, Dissolved    | 0.010  | J         | mg/l  | 0.025  | 0.003  | 1               | 09/04/11 10:45 | 09/08/11 08:47 | EPA 3005A   | 1,6010B           | MG      |
| Potassium, Dissolved | 59     |           | mg/l  | 2.5    | 0.80   | 1               | 09/04/11 10:45 | 09/08/11 08:47 | EPA 3005A   | 1,6010B           | MG      |
| Selenium, Dissolved  | 0.016  |           | mg/l  | 0.010  | 0.003  | 1               | 09/04/11 10:45 | 09/08/11 08:47 | EPA 3005A   | 1,6010B           | MG      |
| Silver, Dissolved    | ND     |           | mg/l  | 0.007  | 0.002  | 1               | 09/04/11 10:45 | 09/08/11 08:47 | EPA 3005A   | 1,6010B           | MG      |
| Sodium, Dissolved    | 150    |           | mg/l  | 2.0    | 0.80   | 1               | 09/04/11 10:45 | 09/08/11 08:47 | EPA 3005A   | 1,6010B           | MG      |
| Thallium, Dissolved  | ND     |           | mg/l  | 0.0025 | 0.0001 | 5               | 09/04/11 10:45 | 09/08/11 00:49 | EPA 3005A   | 1,6020            | BM      |
| Vanadium, Dissolved  | ND     |           | mg/l  | 0.010  | 0.002  | 1               | 09/04/11 10:45 | 09/08/11 08:47 | EPA 3005A   | 1,6010B           | MG      |
| Zinc, Dissolved      | 0.463  |           | mg/l  | 0.050  | 0.005  | 1               | 09/04/11 10:45 | 09/08/11 08:47 | EPA 3005A   | 1,6010B           | MG      |



**Project Name:** 264 N. 10TH ST.  
**Project Number:** 11338

**Lab Number:** L1113555  
**Report Date:** 09/08/11

**SAMPLE RESULTS**

**Lab ID:** L1113555-15  
**Client ID:** GW-2  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Water

**Date Collected:** 08/31/11 14:30  
**Date Received:** 08/31/11  
**Field Prep:** Not Specified

| Parameter                             | Result | Qualifier | Units | RL     | MDL    | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|---------------------------------------|--------|-----------|-------|--------|--------|-----------------|----------------|----------------|-------------|-------------------|---------|
| <b>Total Metals - Westborough Lab</b> |        |           |       |        |        |                 |                |                |             |                   |         |
| Aluminum, Total                       | 100    |           | mg/l  | 0.10   | 0.02   | 1               | 09/03/11 15:30 | 09/07/11 14:46 | EPA 3005A   | 1,6010B           | AI      |
| Antimony, Total                       | ND     |           | mg/l  | 0.0200 | 0.0022 | 20              | 09/03/11 15:30 | 09/05/11 22:14 | EPA 3005A   | 1,6020            | RC      |
| Arsenic, Total                        | 0.095  |           | mg/l  | 0.005  | 0.002  | 1               | 09/03/11 15:30 | 09/07/11 14:46 | EPA 3005A   | 1,6010B           | AI      |
| Barium, Total                         | 3.37   |           | mg/l  | 0.010  | 0.001  | 1               | 09/03/11 15:30 | 09/07/11 14:46 | EPA 3005A   | 1,6010B           | AI      |
| Beryllium, Total                      | 0.0078 | J         | mg/l  | 0.0100 | 0.0006 | 20              | 09/03/11 15:30 | 09/05/11 22:14 | EPA 3005A   | 1,6020            | RC      |
| Cadmium, Total                        | 0.004  | J         | mg/l  | 0.005  | 0.001  | 1               | 09/03/11 15:30 | 09/07/11 14:46 | EPA 3005A   | 1,6010B           | AI      |
| Calcium, Total                        | 250    |           | mg/l  | 0.10   | 0.02   | 1               | 09/03/11 15:30 | 09/07/11 14:46 | EPA 3005A   | 1,6010B           | AI      |
| Chromium, Total                       | 0.23   |           | mg/l  | 0.01   | 0.002  | 1               | 09/03/11 15:30 | 09/07/11 14:46 | EPA 3005A   | 1,6010B           | AI      |
| Cobalt, Total                         | 0.085  |           | mg/l  | 0.020  | 0.002  | 1               | 09/03/11 15:30 | 09/07/11 14:46 | EPA 3005A   | 1,6010B           | AI      |
| Copper, Total                         | 0.898  |           | mg/l  | 0.010  | 0.005  | 1               | 09/03/11 15:30 | 09/07/11 14:46 | EPA 3005A   | 1,6010B           | AI      |
| Iron, Total                           | 250    |           | mg/l  | 0.05   | 0.02   | 1               | 09/03/11 15:30 | 09/07/11 14:46 | EPA 3005A   | 1,6010B           | AI      |
| Lead, Total                           | 4.01   |           | mg/l  | 0.010  | 0.003  | 1               | 09/03/11 15:30 | 09/07/11 14:46 | EPA 3005A   | 1,6010B           | AI      |
| Magnesium, Total                      | 42     |           | mg/l  | 0.10   | 0.05   | 1               | 09/03/11 15:30 | 09/07/11 14:46 | EPA 3005A   | 1,6010B           | AI      |
| Manganese, Total                      | 5.72   |           | mg/l  | 0.010  | 0.001  | 1               | 09/03/11 15:30 | 09/07/11 14:46 | EPA 3005A   | 1,6010B           | AI      |
| Mercury, Total                        | ND     |           | mg/l  | 0.0002 | 0.0001 | 1               | 09/07/11 20:30 | 09/08/11 10:29 | EPA 7470A   | 1,7470A           | JP      |
| Nickel, Total                         | 0.165  |           | mg/l  | 0.025  | 0.003  | 1               | 09/03/11 15:30 | 09/07/11 14:46 | EPA 3005A   | 1,6010B           | AI      |
| Potassium, Total                      | 36     |           | mg/l  | 2.5    | 0.80   | 1               | 09/03/11 15:30 | 09/07/11 14:46 | EPA 3005A   | 1,6010B           | AI      |
| Selenium, Total                       | ND     |           | mg/l  | 0.010  | 0.003  | 1               | 09/03/11 15:30 | 09/07/11 14:46 | EPA 3005A   | 1,6010B           | AI      |
| Silver, Total                         | 0.003  | J         | mg/l  | 0.007  | 0.002  | 1               | 09/03/11 15:30 | 09/07/11 14:46 | EPA 3005A   | 1,6010B           | AI      |
| Sodium, Total                         | 38     |           | mg/l  | 2.0    | 0.80   | 1               | 09/03/11 15:30 | 09/07/11 14:46 | EPA 3005A   | 1,6010B           | AI      |
| Thallium, Total                       | 0.0020 | J         | mg/l  | 0.0100 | 0.0006 | 20              | 09/03/11 15:30 | 09/05/11 22:14 | EPA 3005A   | 1,6020            | RC      |
| Vanadium, Total                       | 0.372  |           | mg/l  | 0.010  | 0.002  | 1               | 09/03/11 15:30 | 09/07/11 14:46 | EPA 3005A   | 1,6010B           | AI      |
| Zinc, Total                           | 2.18   |           | mg/l  | 0.050  | 0.005  | 1               | 09/03/11 15:30 | 09/07/11 14:46 | EPA 3005A   | 1,6010B           | AI      |

**Dissolved Metals - Westborough Lab**

|                      |        |   |      |        |         |   |                |                |           |         |    |
|----------------------|--------|---|------|--------|---------|---|----------------|----------------|-----------|---------|----|
| Aluminum, Dissolved  | 0.12   |   | mg/l | 0.10   | 0.02    | 1 | 09/04/11 10:45 | 09/08/11 09:00 | EPA 3005A | 1,6010B | MG |
| Antimony, Dissolved  | 0.0009 | J | mg/l | 0.0010 | 0.0001  | 1 | 09/04/11 10:45 | 09/08/11 00:55 | EPA 3005A | 1,6020  | BM |
| Arsenic, Dissolved   | 0.005  |   | mg/l | 0.005  | 0.003   | 1 | 09/04/11 10:45 | 09/08/11 09:00 | EPA 3005A | 1,6010B | MG |
| Barium, Dissolved    | 0.226  |   | mg/l | 0.010  | 0.001   | 1 | 09/04/11 10:45 | 09/08/11 09:00 | EPA 3005A | 1,6010B | MG |
| Beryllium, Dissolved | ND     |   | mg/l | 0.0005 | 0.00003 | 1 | 09/04/11 10:45 | 09/08/11 00:55 | EPA 3005A | 1,6020  | BM |
| Cadmium, Dissolved   | ND     |   | mg/l | 0.005  | 0.001   | 1 | 09/04/11 10:45 | 09/08/11 09:00 | EPA 3005A | 1,6010B | MG |



**Project Name:** 264 N. 10TH ST.  
**Project Number:** 11338

**Lab Number:** L1113555  
**Report Date:** 09/08/11

**SAMPLE RESULTS**

**Lab ID:** L1113555-15  
**Client ID:** GW-2  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Water

**Date Collected:** 08/31/11 14:30  
**Date Received:** 08/31/11  
**Field Prep:** Not Specified

| Parameter            | Result | Qualifier | Units | RL     | MDL     | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|----------------------|--------|-----------|-------|--------|---------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Calcium, Dissolved   | 170    |           | mg/l  | 0.10   | 0.02    | 1               | 09/04/11 10:45 | 09/08/11 09:00 | EPA 3005A   | 1,6010B           | MG      |
| Chromium, Dissolved  | ND     |           | mg/l  | 0.01   | 0.002   | 1               | 09/04/11 10:45 | 09/08/11 09:00 | EPA 3005A   | 1,6010B           | MG      |
| Cobalt, Dissolved    | 0.004  | J         | mg/l  | 0.020  | 0.002   | 1               | 09/04/11 10:45 | 09/08/11 09:00 | EPA 3005A   | 1,6010B           | MG      |
| Copper, Dissolved    | ND     |           | mg/l  | 0.010  | 0.005   | 1               | 09/04/11 10:45 | 09/08/11 09:00 | EPA 3005A   | 1,6010B           | MG      |
| Iron, Dissolved      | 0.29   |           | mg/l  | 0.05   | 0.02    | 1               | 09/04/11 10:45 | 09/08/11 09:00 | EPA 3005A   | 1,6010B           | MG      |
| Lead, Dissolved      | 0.003  | J         | mg/l  | 0.010  | 0.003   | 1               | 09/04/11 10:45 | 09/08/11 09:00 | EPA 3005A   | 1,6010B           | MG      |
| Magnesium, Dissolved | 32     |           | mg/l  | 0.10   | 0.05    | 1               | 09/04/11 10:45 | 09/08/11 09:00 | EPA 3005A   | 1,6010B           | MG      |
| Manganese, Dissolved | 1.48   |           | mg/l  | 0.010  | 0.001   | 1               | 09/04/11 10:45 | 09/08/11 09:00 | EPA 3005A   | 1,6010B           | MG      |
| Mercury, Dissolved   | ND     |           | mg/l  | 0.0002 | 0.0001  | 1               | 09/07/11 20:30 | 09/08/11 09:57 | EPA 7470A   | 1,7470A           | JP      |
| Nickel, Dissolved    | 0.004  | J         | mg/l  | 0.025  | 0.003   | 1               | 09/04/11 10:45 | 09/08/11 09:00 | EPA 3005A   | 1,6010B           | MG      |
| Potassium, Dissolved | 35     |           | mg/l  | 2.5    | 0.80    | 1               | 09/04/11 10:45 | 09/08/11 09:00 | EPA 3005A   | 1,6010B           | MG      |
| Selenium, Dissolved  | 0.006  | J         | mg/l  | 0.010  | 0.003   | 1               | 09/04/11 10:45 | 09/08/11 09:00 | EPA 3005A   | 1,6010B           | MG      |
| Silver, Dissolved    | ND     |           | mg/l  | 0.007  | 0.002   | 1               | 09/04/11 10:45 | 09/08/11 09:00 | EPA 3005A   | 1,6010B           | MG      |
| Sodium, Dissolved    | 46     |           | mg/l  | 2.0    | 0.80    | 1               | 09/04/11 10:45 | 09/08/11 09:00 | EPA 3005A   | 1,6010B           | MG      |
| Thallium, Dissolved  | ND     |           | mg/l  | 0.0005 | 0.00003 | 1               | 09/04/11 10:45 | 09/08/11 00:55 | EPA 3005A   | 1,6020            | BM      |
| Vanadium, Dissolved  | ND     |           | mg/l  | 0.010  | 0.002   | 1               | 09/04/11 10:45 | 09/08/11 09:00 | EPA 3005A   | 1,6010B           | MG      |
| Zinc, Dissolved      | 0.012  | J         | mg/l  | 0.050  | 0.005   | 1               | 09/04/11 10:45 | 09/08/11 09:00 | EPA 3005A   | 1,6010B           | MG      |

**Project Name:** 264 N. 10TH ST.  
**Project Number:** 11338

**Lab Number:** L1113555  
**Report Date:** 09/08/11

## Method Blank Analysis Batch Quality Control

| Parameter                                                                         | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Date Prepared  | Date Analyzed  | Analytical Method | Analyst |
|-----------------------------------------------------------------------------------|--------|-----------|-------|------|------|-----------------|----------------|----------------|-------------------|---------|
| Total Metals - Westborough Lab for sample(s): 01-02,04-05,09-10 Batch: WG487991-1 |        |           |       |      |      |                 |                |                |                   |         |
| Arsenic, Total                                                                    | ND     |           | mg/kg | 0.40 | 0.14 | 1               | 09/03/11 16:57 | 09/08/11 09:58 | 1,6010B           | MG      |
| Barium, Total                                                                     | 0.05   | J         | mg/kg | 0.40 | 0.03 | 1               | 09/03/11 16:57 | 09/08/11 09:58 | 1,6010B           | MG      |
| Cadmium, Total                                                                    | ND     |           | mg/kg | 0.40 | 0.03 | 1               | 09/03/11 16:57 | 09/08/11 09:58 | 1,6010B           | MG      |
| Copper, Total                                                                     | ND     |           | mg/kg | 0.40 | 0.18 | 1               | 09/03/11 16:57 | 09/08/11 09:58 | 1,6010B           | MG      |
| Lead, Total                                                                       | ND     |           | mg/kg | 2.0  | 0.11 | 1               | 09/03/11 16:57 | 09/08/11 09:58 | 1,6010B           | MG      |

### Prep Information

Digestion Method: EPA 3050B

| Parameter                                                             | Result | Qualifier | Units | RL     | MDL     | Dilution Factor | Date Prepared  | Date Analyzed  | Analytical Method | Analyst |
|-----------------------------------------------------------------------|--------|-----------|-------|--------|---------|-----------------|----------------|----------------|-------------------|---------|
| Total Metals - Westborough Lab for sample(s): 12-15 Batch: WG488001-1 |        |           |       |        |         |                 |                |                |                   |         |
| Antimony, Total                                                       | ND     |           | mg/l  | 0.0010 | 0.0001  | 1               | 09/03/11 15:30 | 09/05/11 19:57 | 1,6020            | RC      |
| Beryllium, Total                                                      | ND     |           | mg/l  | 0.0005 | 0.00003 | 1               | 09/03/11 15:30 | 09/05/11 19:57 | 1,6020            | RC      |
| Thallium, Total                                                       | ND     |           | mg/l  | 0.0005 | 0.00003 | 1               | 09/03/11 15:30 | 09/05/11 19:57 | 1,6020            | RC      |

### Prep Information

Digestion Method: EPA 3005A

| Parameter                                                             | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Analytical Method | Analyst |
|-----------------------------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------------|---------|
| Total Metals - Westborough Lab for sample(s): 12-15 Batch: WG488002-1 |        |           |       |       |       |                 |                |                |                   |         |
| Aluminum, Total                                                       | ND     |           | mg/l  | 0.10  | 0.02  | 1               | 09/03/11 15:30 | 09/07/11 14:10 | 1,6010B           | AI      |
| Arsenic, Total                                                        | 0.002  | J         | mg/l  | 0.005 | 0.002 | 1               | 09/03/11 15:30 | 09/07/11 14:10 | 1,6010B           | AI      |
| Barium, Total                                                         | ND     |           | mg/l  | 0.010 | 0.001 | 1               | 09/03/11 15:30 | 09/07/11 14:10 | 1,6010B           | AI      |
| Cadmium, Total                                                        | ND     |           | mg/l  | 0.005 | 0.001 | 1               | 09/03/11 15:30 | 09/07/11 14:10 | 1,6010B           | AI      |
| Calcium, Total                                                        | ND     |           | mg/l  | 0.10  | 0.02  | 1               | 09/03/11 15:30 | 09/07/11 14:10 | 1,6010B           | AI      |
| Chromium, Total                                                       | ND     |           | mg/l  | 0.01  | 0.002 | 1               | 09/03/11 15:30 | 09/07/11 14:10 | 1,6010B           | AI      |
| Cobalt, Total                                                         | ND     |           | mg/l  | 0.020 | 0.002 | 1               | 09/03/11 15:30 | 09/07/11 14:10 | 1,6010B           | AI      |
| Copper, Total                                                         | ND     |           | mg/l  | 0.010 | 0.005 | 1               | 09/03/11 15:30 | 09/07/11 14:10 | 1,6010B           | AI      |
| Iron, Total                                                           | ND     |           | mg/l  | 0.05  | 0.02  | 1               | 09/03/11 15:30 | 09/07/11 14:10 | 1,6010B           | AI      |
| Lead, Total                                                           | ND     |           | mg/l  | 0.010 | 0.003 | 1               | 09/03/11 15:30 | 09/07/11 14:10 | 1,6010B           | AI      |



**Project Name:** 264 N. 10TH ST.  
**Project Number:** 11338

**Lab Number:** L1113555  
**Report Date:** 09/08/11

### Method Blank Analysis Batch Quality Control

|                  |    |      |       |       |   |                |                |         |    |
|------------------|----|------|-------|-------|---|----------------|----------------|---------|----|
| Magnesium, Total | ND | mg/l | 0.10  | 0.05  | 1 | 09/03/11 15:30 | 09/07/11 14:10 | 1,6010B | AI |
| Manganese, Total | ND | mg/l | 0.010 | 0.001 | 1 | 09/03/11 15:30 | 09/07/11 14:10 | 1,6010B | AI |
| Nickel, Total    | ND | mg/l | 0.025 | 0.003 | 1 | 09/03/11 15:30 | 09/07/11 14:10 | 1,6010B | AI |
| Potassium, Total | ND | mg/l | 2.5   | 0.80  | 1 | 09/03/11 15:30 | 09/07/11 14:10 | 1,6010B | AI |
| Selenium, Total  | ND | mg/l | 0.010 | 0.003 | 1 | 09/03/11 15:30 | 09/07/11 14:10 | 1,6010B | AI |
| Silver, Total    | ND | mg/l | 0.007 | 0.002 | 1 | 09/03/11 15:30 | 09/07/11 14:10 | 1,6010B | AI |
| Sodium, Total    | ND | mg/l | 2.0   | 0.80  | 1 | 09/03/11 15:30 | 09/07/11 14:10 | 1,6010B | AI |
| Vanadium, Total  | ND | mg/l | 0.010 | 0.002 | 1 | 09/03/11 15:30 | 09/07/11 14:10 | 1,6010B | AI |
| Zinc, Total      | ND | mg/l | 0.010 | 0.005 | 1 | 09/03/11 15:30 | 09/07/11 14:10 | 1,6010B | AI |

#### Prep Information

Digestion Method: EPA 3005A

| Parameter                                                                 | Result Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Analytical Method | Analyst |
|---------------------------------------------------------------------------|------------------|-------|-------|-------|-----------------|----------------|----------------|-------------------|---------|
| Dissolved Metals - Westborough Lab for sample(s): 12-15 Batch: WG488093-1 |                  |       |       |       |                 |                |                |                   |         |
| Aluminum, Dissolved                                                       | ND               | mg/l  | 0.10  | 0.02  | 1               | 09/04/11 10:45 | 09/08/11 08:28 | 1,6010B           | MG      |
| Arsenic, Dissolved                                                        | ND               | mg/l  | 0.005 | 0.003 | 1               | 09/04/11 10:45 | 09/08/11 08:28 | 1,6010B           | MG      |
| Barium, Dissolved                                                         | ND               | mg/l  | 0.010 | 0.001 | 1               | 09/04/11 10:45 | 09/08/11 08:28 | 1,6010B           | MG      |
| Cadmium, Dissolved                                                        | ND               | mg/l  | 0.005 | 0.001 | 1               | 09/04/11 10:45 | 09/08/11 08:28 | 1,6010B           | MG      |
| Calcium, Dissolved                                                        | ND               | mg/l  | 0.10  | 0.02  | 1               | 09/04/11 10:45 | 09/08/11 08:28 | 1,6010B           | MG      |
| Chromium, Dissolved                                                       | ND               | mg/l  | 0.01  | 0.002 | 1               | 09/04/11 10:45 | 09/08/11 08:28 | 1,6010B           | MG      |
| Cobalt, Dissolved                                                         | ND               | mg/l  | 0.020 | 0.002 | 1               | 09/04/11 10:45 | 09/08/11 08:28 | 1,6010B           | MG      |
| Copper, Dissolved                                                         | ND               | mg/l  | 0.010 | 0.005 | 1               | 09/04/11 10:45 | 09/08/11 08:28 | 1,6010B           | MG      |
| Iron, Dissolved                                                           | ND               | mg/l  | 0.05  | 0.02  | 1               | 09/04/11 10:45 | 09/08/11 08:28 | 1,6010B           | MG      |
| Lead, Dissolved                                                           | ND               | mg/l  | 0.010 | 0.003 | 1               | 09/04/11 10:45 | 09/08/11 08:28 | 1,6010B           | MG      |
| Magnesium, Dissolved                                                      | ND               | mg/l  | 0.10  | 0.05  | 1               | 09/04/11 10:45 | 09/08/11 08:28 | 1,6010B           | MG      |
| Manganese, Dissolved                                                      | ND               | mg/l  | 0.010 | 0.001 | 1               | 09/04/11 10:45 | 09/08/11 08:28 | 1,6010B           | MG      |
| Nickel, Dissolved                                                         | ND               | mg/l  | 0.025 | 0.003 | 1               | 09/04/11 10:45 | 09/08/11 08:28 | 1,6010B           | MG      |
| Potassium, Dissolved                                                      | ND               | mg/l  | 2.5   | 0.80  | 1               | 09/04/11 10:45 | 09/08/11 08:28 | 1,6010B           | MG      |
| Selenium, Dissolved                                                       | ND               | mg/l  | 0.010 | 0.003 | 1               | 09/04/11 10:45 | 09/08/11 08:28 | 1,6010B           | MG      |
| Silver, Dissolved                                                         | ND               | mg/l  | 0.007 | 0.002 | 1               | 09/04/11 10:45 | 09/08/11 08:28 | 1,6010B           | MG      |
| Sodium, Dissolved                                                         | ND               | mg/l  | 2.0   | 0.80  | 1               | 09/04/11 10:45 | 09/08/11 08:28 | 1,6010B           | MG      |
| Vanadium, Dissolved                                                       | ND               | mg/l  | 0.010 | 0.002 | 1               | 09/04/11 10:45 | 09/08/11 08:28 | 1,6010B           | MG      |
| Zinc, Dissolved                                                           | ND               | mg/l  | 0.050 | 0.005 | 1               | 09/04/11 10:45 | 09/08/11 08:28 | 1,6010B           | MG      |

**Project Name:** 264 N. 10TH ST.  
**Project Number:** 11338

**Lab Number:** L1113555  
**Report Date:** 09/08/11

## Method Blank Analysis Batch Quality Control

### Prep Information

Digestion Method: EPA 3005A

| Parameter                                                                 | Result Qualifier | Units | RL     | MDL     | Dilution Factor | Date Prepared  | Date Analyzed  | Analytical Method | Analyst |
|---------------------------------------------------------------------------|------------------|-------|--------|---------|-----------------|----------------|----------------|-------------------|---------|
| Dissolved Metals - Westborough Lab for sample(s): 12-15 Batch: WG488094-1 |                  |       |        |         |                 |                |                |                   |         |
| Antimony, Dissolved                                                       | ND               | mg/l  | 0.0010 | 0.0001  | 1               | 09/04/11 10:45 | 09/07/11 23:53 | 1,6020            | BM      |
| Beryllium, Dissolved                                                      | ND               | mg/l  | 0.0005 | 0.00003 | 1               | 09/04/11 10:45 | 09/07/11 23:53 | 1,6020            | BM      |
| Thallium, Dissolved                                                       | ND               | mg/l  | 0.0005 | 0.00003 | 1               | 09/04/11 10:45 | 09/07/11 23:53 | 1,6020            | BM      |

### Prep Information

Digestion Method: EPA 3005A

| Parameter                                                                 | Result Qualifier | Units | RL     | MDL    | Dilution Factor | Date Prepared  | Date Analyzed  | Analytical Method | Analyst |
|---------------------------------------------------------------------------|------------------|-------|--------|--------|-----------------|----------------|----------------|-------------------|---------|
| Dissolved Metals - Westborough Lab for sample(s): 12-15 Batch: WG488753-1 |                  |       |        |        |                 |                |                |                   |         |
| Mercury, Dissolved                                                        | ND               | mg/l  | 0.0002 | 0.0001 | 1               | 09/07/11 20:30 | 09/08/11 09:30 | 1,7470A           | JP      |

### Prep Information

Digestion Method: EPA 7470A

| Parameter                                                             | Result Qualifier | Units | RL     | MDL    | Dilution Factor | Date Prepared  | Date Analyzed  | Analytical Method | Analyst |
|-----------------------------------------------------------------------|------------------|-------|--------|--------|-----------------|----------------|----------------|-------------------|---------|
| Total Metals - Westborough Lab for sample(s): 12-15 Batch: WG488757-1 |                  |       |        |        |                 |                |                |                   |         |
| Mercury, Total                                                        | ND               | mg/l  | 0.0002 | 0.0001 | 1               | 09/07/11 20:30 | 09/08/11 10:16 | 1,7470A           | JP      |

### Prep Information

Digestion Method: EPA 7470A

| Parameter                                                                         | Result Qualifier | Units | RL   | MDL  | Dilution Factor | Date Prepared  | Date Analyzed  | Analytical Method | Analyst |
|-----------------------------------------------------------------------------------|------------------|-------|------|------|-----------------|----------------|----------------|-------------------|---------|
| Total Metals - Westborough Lab for sample(s): 01-02,04-05,07-10 Batch: WG488767-1 |                  |       |      |      |                 |                |                |                   |         |
| Mercury, Total                                                                    | ND               | mg/kg | 0.08 | 0.02 | 1               | 09/07/11 16:30 | 09/08/11 13:07 | 1,7471A           | JP      |



**Project Name:** 264 N. 10TH ST.

**Lab Number:** L1113555

**Project Number:** 11338

**Report Date:** 09/08/11

## Method Blank Analysis Batch Quality Control

### Prep Information

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Digestion Method: EPA 7471A

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 264 N. 10TH ST.

Project Number: 11338

Lab Number: L1113555

Report Date: 09/08/11

| Parameter                                                                                | LCS       |      | LCSD      |      | %Recovery Limits | RPD | Qual | RPD Limits |
|------------------------------------------------------------------------------------------|-----------|------|-----------|------|------------------|-----|------|------------|
|                                                                                          | %Recovery | Qual | %Recovery | Qual |                  |     |      |            |
| Total Metals - Westborough Lab Associated sample(s): 01-02,04-05,09-10 Batch: WG487991-2 |           |      |           |      |                  |     |      |            |
| Arsenic, Total                                                                           | 105       |      | -         |      | 75-125           | -   |      |            |
| Barium, Total                                                                            | 97        |      | -         |      | 75-125           | -   |      |            |
| Cadmium, Total                                                                           | 101       |      | -         |      | 75-125           | -   |      |            |
| Copper, Total                                                                            | 103       |      | -         |      | 75-125           | -   |      |            |
| Lead, Total                                                                              | 104       |      | -         |      | 75-125           | -   |      |            |
| Total Metals - Westborough Lab Associated sample(s): 12-15 Batch: WG488001-2             |           |      |           |      |                  |     |      |            |
| Antimony, Total                                                                          | 95        |      | -         |      | 80-120           | -   |      |            |
| Beryllium, Total                                                                         | 101       |      | -         |      | 80-120           | -   |      |            |
| Thallium, Total                                                                          | 97        |      | -         |      | 80-120           | -   |      |            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 264 N. 10TH ST.

Project Number: 11338

Lab Number: L1113555

Report Date: 09/08/11

| Parameter                                                                    | LCS<br>%Recovery | LCSD<br>%Recovery | %Recovery<br>Limits | RPD | RPD Limits |
|------------------------------------------------------------------------------|------------------|-------------------|---------------------|-----|------------|
| Total Metals - Westborough Lab Associated sample(s): 12-15 Batch: WG488002-2 |                  |                   |                     |     |            |
| Aluminum, Total                                                              | 95               | -                 | 80-120              | -   |            |
| Arsenic, Total                                                               | 111              | -                 | 80-120              | -   |            |
| Barium, Total                                                                | 101              | -                 | 80-120              | -   |            |
| Cadmium, Total                                                               | 104              | -                 | 80-120              | -   |            |
| Calcium, Total                                                               | 100              | -                 | 80-120              | -   |            |
| Chromium, Total                                                              | 100              | -                 | 80-120              | -   |            |
| Cobalt, Total                                                                | 100              | -                 | 80-120              | -   |            |
| Copper, Total                                                                | 100              | -                 | 80-120              | -   |            |
| Iron, Total                                                                  | 92               | -                 | 80-120              | -   |            |
| Lead, Total                                                                  | 104              | -                 | 80-120              | -   |            |
| Magnesium, Total                                                             | 98               | -                 | 80-120              | -   |            |
| Manganese, Total                                                             | 99               | -                 | 80-120              | -   |            |
| Nickel, Total                                                                | 100              | -                 | 80-120              | -   |            |
| Potassium, Total                                                             | 100              | -                 | 80-120              | -   |            |
| Selenium, Total                                                              | 111              | -                 | 80-120              | -   |            |
| Silver, Total                                                                | 100              | -                 | 80-120              | -   |            |
| Sodium, Total                                                                | 99               | -                 | 80-120              | -   |            |
| Vanadium, Total                                                              | 99               | -                 | 80-120              | -   |            |
| Zinc, Total                                                                  | 103              | -                 | 80-120              | -   |            |

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 264 N. 10TH ST.  
**Project Number:** 11338

**Lab Number:** L1113555  
**Report Date:** 09/08/11

| Parameter                                                                        | LCS<br>%Recovery | LCSD<br>%Recovery | %Recovery<br>Limits | RPD | RPD Limits |
|----------------------------------------------------------------------------------|------------------|-------------------|---------------------|-----|------------|
| Dissolved Metals - Westborough Lab Associated sample(s): 12-15 Batch: WG488093-2 |                  |                   |                     |     |            |
| Aluminum, Dissolved                                                              | 110              | -                 | 80-120              | -   |            |
| Arsenic, Dissolved                                                               | 113              | -                 | 80-120              | -   |            |
| Barium, Dissolved                                                                | 106              | -                 | 80-120              | -   |            |
| Cadmium, Dissolved                                                               | 111              | -                 | 80-120              | -   |            |
| Calcium, Dissolved                                                               | 100              | -                 | 80-120              | -   |            |
| Chromium, Dissolved                                                              | 105              | -                 | 80-120              | -   |            |
| Cobalt, Dissolved                                                                | 107              | -                 | 80-120              | -   |            |
| Copper, Dissolved                                                                | 106              | -                 | 80-120              | -   |            |
| Iron, Dissolved                                                                  | 100              | -                 | 80-120              | -   |            |
| Lead, Dissolved                                                                  | 112              | -                 | 80-120              | -   |            |
| Magnesium, Dissolved                                                             | 110              | -                 | 80-120              | -   |            |
| Manganese, Dissolved                                                             | 107              | -                 | 80-120              | -   |            |
| Nickel, Dissolved                                                                | 106              | -                 | 80-120              | -   |            |
| Potassium, Dissolved                                                             | 110              | -                 | 80-120              | -   |            |
| Selenium, Dissolved                                                              | 117              | -                 | 80-120              | -   |            |
| Silver, Dissolved                                                                | 103              | -                 | 80-120              | -   |            |
| Sodium, Dissolved                                                                | 99               | -                 | 80-120              | -   |            |
| Vanadium, Dissolved                                                              | 106              | -                 | 80-120              | -   |            |
| Zinc, Dissolved                                                                  | 106              | -                 | 80-120              | -   |            |

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 264 N. 10TH ST.  
**Project Number:** 11338

**Lab Number:** L1113555  
**Report Date:** 09/08/11

| Parameter                                                                                                                  | LCS<br>%Recovery | LCSD<br>%Recovery | %Recovery<br>Limits | RPD | RPD Limits |
|----------------------------------------------------------------------------------------------------------------------------|------------------|-------------------|---------------------|-----|------------|
| <b>Dissolved Metals - Westborough Lab Associated sample(s): 12-15 Batch: WG488094-2</b>                                    |                  |                   |                     |     |            |
| Antimony, Dissolved                                                                                                        | 96               | -                 | 80-120              | -   |            |
| Beryllium, Dissolved                                                                                                       | 98               | -                 | 80-120              | -   |            |
| Thallium, Dissolved                                                                                                        | 100              | -                 | 80-120              | -   |            |
| <b>Dissolved Metals - Westborough Lab Associated sample(s): 12-15 Batch: WG488753-2</b>                                    |                  |                   |                     |     |            |
| Mercury, Dissolved                                                                                                         | 101              | -                 | 70-130              | -   |            |
| <b>Total Metals - Westborough Lab Associated sample(s): 12-15 Batch: WG488757-2</b>                                        |                  |                   |                     |     |            |
| Mercury, Total                                                                                                             | 101              | -                 | 80-120              | -   |            |
| <b>Total Metals - Westborough Lab Associated sample(s): 01-02,04-05,07-10 Batch: WG488767-2 SRM Lot Number: 0518-10-02</b> |                  |                   |                     |     |            |
| Mercury, Total                                                                                                             | 108              | -                 | 67-133              | -   |            |

### Matrix Spike Analysis Batch Quality Control

**Project Name:** 264 N. 10TH ST.  
**Project Number:** 11338

**Lab Number:** L1113555  
**Report Date:** 09/08/11

| Parameter                                                                                                                                           | Native Sample | MS Added | MS Found | MS %Recovery | MSD Qual | MSD Found | MSD %Recovery | MSD Qual | Recovery Limits | RPD | RPD Qual | RPD Limits |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----------|----------|--------------|----------|-----------|---------------|----------|-----------------|-----|----------|------------|
| Total Metals - Westborough Lab Associated sample(s): 01-02,04-05,09-10    QC Batch ID: WG487991-4    QC Sample: L1113460-05    Client ID: MS Sample |               |          |          |              |          |           |               |          |                 |     |          |            |
| Arsenic, Total                                                                                                                                      | 15.           | 17.2     | 32       | 99           |          | -         | -             |          | 75-125          | -   |          | 35         |
| Barium, Total                                                                                                                                       | 160           | 286      | 430      | 94           |          | -         | -             |          | 75-125          | -   |          | 35         |
| Cadmium, Total                                                                                                                                      | 12.           | 7.29     | 14       | 27           | Q        | -         | -             |          | 75-125          | -   |          | 35         |
| Copper, Total                                                                                                                                       | 3700          | 35.7     | 1400     | 0            |          | -         | -             |          | 75-125          | -   |          | 35         |
| Lead, Total                                                                                                                                         | 1300          | 72.9     | 1400     | 137          |          | -         | -             |          | 75-125          | -   |          | 35         |
| Total Metals - Westborough Lab Associated sample(s): 12-15    QC Batch ID: WG488001-4    QC Sample: L1113555-13    Client ID: GW-15                 |               |          |          |              |          |           |               |          |                 |     |          |            |
| Antimony, Total                                                                                                                                     | 0.0013J       | 0.5      | 0.4895   | 98           |          | -         | -             |          | 80-120          | -   |          | 20         |
| Beryllium, Total                                                                                                                                    | ND            | 0.05     | 0.0514   | 103          |          | -         | -             |          | 80-120          | -   |          | 20         |
| Thallium, Total                                                                                                                                     | ND            | 0.12     | 0.1212   | 101          |          | -         | -             |          | 80-120          | -   |          | 20         |

### Matrix Spike Analysis Batch Quality Control

**Project Name:** 264 N. 10TH ST.  
**Project Number:** 11338

**Lab Number:** L1113555  
**Report Date:** 09/08/11

| Parameter                                                                                                                  | Native Sample | MS Added | MS Found | MS %Recovery | MSD Found | MSD %Recovery | Recovery Limits | RPD | RPD Limits |
|----------------------------------------------------------------------------------------------------------------------------|---------------|----------|----------|--------------|-----------|---------------|-----------------|-----|------------|
| Total Metals - Westborough Lab Associated sample(s): 12-15 QC Batch ID: WG488002-4 QC Sample: L1113555-13 Client ID: GW-15 |               |          |          |              |           |               |                 |     |            |
| Aluminum, Total                                                                                                            | 3.2           | 2        | 5.6      | 120          | -         | -             | 75-125          | -   | 20         |
| Arsenic, Total                                                                                                             | 0.023         | 0.12     | 0.155    | 110          | -         | -             | 75-125          | -   | 20         |
| Barium, Total                                                                                                              | 0.473         | 2        | 2.50     | 101          | -         | -             | 75-125          | -   | 20         |
| Cadmium, Total                                                                                                             | ND            | 0.051    | 0.052    | 101          | -         | -             | 75-125          | -   | 20         |
| Calcium, Total                                                                                                             | 210           | 10       | 220      | 100          | -         | -             | 75-125          | -   | 20         |
| Chromium, Total                                                                                                            | 0.01          | 0.2      | 0.20     | 100          | -         | -             | 75-125          | -   | 20         |
| Cobalt, Total                                                                                                              | 0.004J        | 0.5      | 0.486    | 97           | -         | -             | 75-125          | -   | 20         |
| Copper, Total                                                                                                              | 0.044         | 0.25     | 0.299    | 102          | -         | -             | 75-125          | -   | 20         |
| Iron, Total                                                                                                                | 9.5           | 1        | 10       | 50           | -         | -             | 75-125          | -   | 20         |
| Lead, Total                                                                                                                | 0.495         | 0.51     | 0.986    | 96           | -         | -             | 75-125          | -   | 20         |
| Magnesium, Total                                                                                                           | 28.           | 10       | 37       | 90           | -         | -             | 75-125          | -   | 20         |
| Manganese, Total                                                                                                           | 0.616         | 0.5      | 1.11     | 99           | -         | -             | 75-125          | -   | 20         |
| Nickel, Total                                                                                                              | 0.007J        | 0.5      | 0.488    | 98           | -         | -             | 75-125          | -   | 20         |
| Potassium, Total                                                                                                           | 30.           | 10       | 40       | 100          | -         | -             | 75-125          | -   | 20         |
| Selenium, Total                                                                                                            | ND            | 0.12     | 0.095    | 79           | -         | -             | 75-125          | -   | 20         |
| Silver, Total                                                                                                              | ND            | 0.05     | 0.052    | 105          | -         | -             | 75-125          | -   | 20         |
| Sodium, Total                                                                                                              | 63.           | 10       | 74       | 110          | -         | -             | 75-125          | -   | 20         |
| Vanadium, Total                                                                                                            | 0.015         | 0.5      | 0.512    | 100          | -         | -             | 75-125          | -   | 20         |
| Zinc, Total                                                                                                                | 0.272         | 0.5      | 0.752    | 96           | -         | -             | 75-125          | -   | 20         |

**Matrix Spike Analysis**  
**Batch Quality Control**

**Project Name:** 264 N. 10TH ST.  
**Project Number:** 11338

**Lab Number:** L1113555  
**Report Date:** 09/08/11

| Parameter                                                                                                                      | Native Sample | MS Added | MS Found | MS %Recovery | MSD Found | MSD %Recovery | Recovery Limits | RPD | RPD Limits |
|--------------------------------------------------------------------------------------------------------------------------------|---------------|----------|----------|--------------|-----------|---------------|-----------------|-----|------------|
| Dissolved Metals - Westborough Lab Associated sample(s): 12-15 QC Batch ID: WG488093-4 QC Sample: L1113555-12 Client ID: GW-12 |               |          |          |              |           |               |                 |     |            |
| Aluminum, Dissolved                                                                                                            | 0.97          | 2        | 2.6      | 82           | -         | -             | 75-125          | -   | 20         |
| Arsenic, Dissolved                                                                                                             | ND            | 0.12     | 0.138    | 115          | -         | -             | 75-125          | -   | 20         |
| Barium, Dissolved                                                                                                              | 0.144         | 2        | 2.21     | 103          | -         | -             | 75-125          | -   | 20         |
| Cadmium, Dissolved                                                                                                             | ND            | 0.051    | 0.054    | 107          | -         | -             | 75-125          | -   | 20         |
| Calcium, Dissolved                                                                                                             | 160           | 10       | 170      | 100          | -         | -             | 75-125          | -   | 20         |
| Chromium, Dissolved                                                                                                            | ND            | 0.2      | 0.20     | 100          | -         | -             | 75-125          | -   | 20         |
| Cobalt, Dissolved                                                                                                              | ND            | 0.5      | 0.527    | 105          | -         | -             | 75-125          | -   | 20         |
| Copper, Dissolved                                                                                                              | ND            | 0.25     | 0.267    | 107          | -         | -             | 75-125          | -   | 20         |
| Iron, Dissolved                                                                                                                | 0.63          | 1        | 1.4      | 77           | -         | -             | 75-125          | -   | 20         |
| Lead, Dissolved                                                                                                                | 0.003J        | 0.51     | 0.553    | 108          | -         | -             | 75-125          | -   | 20         |
| Magnesium, Dissolved                                                                                                           | 24.           | 10       | 34       | 100          | -         | -             | 75-125          | -   | 20         |
| Manganese, Dissolved                                                                                                           | 0.570         | 0.5      | 1.07     | 100          | -         | -             | 75-125          | -   | 20         |
| Nickel, Dissolved                                                                                                              | 0.003J        | 0.5      | 0.514    | 103          | -         | -             | 75-125          | -   | 20         |
| Potassium, Dissolved                                                                                                           | 24.           | 10       | 36       | 120          | -         | -             | 75-125          | -   | 20         |
| Selenium, Dissolved                                                                                                            | 0.004J        | 0.12     | 0.138    | 115          | -         | -             | 75-125          | -   | 20         |
| Silver, Dissolved                                                                                                              | ND            | 0.05     | 0.052    | 104          | -         | -             | 75-125          | -   | 20         |
| Sodium, Dissolved                                                                                                              | 60.           | 10       | 70       | 100          | -         | -             | 75-125          | -   | 20         |
| Vanadium, Dissolved                                                                                                            | ND            | 0.5      | 0.519    | 104          | -         | -             | 75-125          | -   | 20         |
| Zinc, Dissolved                                                                                                                | 0.011J        | 0.5      | 0.527    | 105          | -         | -             | 75-125          | -   | 20         |

### Matrix Spike Analysis Batch Quality Control

**Project Name:** 264 N. 10TH ST.  
**Project Number:** 11338

**Lab Number:** L1113555  
**Report Date:** 09/08/11

| Parameter                                                                                                                                  | Native Sample | MS Added | MS Found | MS %Recovery | MSD Found | MSD %Recovery | Recovery Limits | RPD | RPD Limits |
|--------------------------------------------------------------------------------------------------------------------------------------------|---------------|----------|----------|--------------|-----------|---------------|-----------------|-----|------------|
| Dissolved Metals - Westborough Lab Associated sample(s): 12-15 QC Batch ID: WG488094-4 QC Sample: L1113555-12 Client ID: GW-12             |               |          |          |              |           |               |                 |     |            |
| Antimony, Dissolved                                                                                                                        | 0.0010J       | 0.5      | 0.5070   | 101          | -         | -             | 80-120          | -   | 20         |
| Beryllium, Dissolved                                                                                                                       | ND            | 0.05     | 0.0498   | 100          | -         | -             | 80-120          | -   | 20         |
| Thallium, Dissolved                                                                                                                        | 0.00003J      | 0.12     | 0.1177   | 98           | -         | -             | 80-120          | -   | 20         |
| Dissolved Metals - Westborough Lab Associated sample(s): 12-15 QC Batch ID: WG488753-4 QC Sample: L1113522-01 Client ID: MS Sample         |               |          |          |              |           |               |                 |     |            |
| Mercury, Dissolved                                                                                                                         | ND            | 0.001    | 0.0012   | 121          | -         | -             | 70-130          | -   | 20         |
| Total Metals - Westborough Lab Associated sample(s): 12-15 QC Batch ID: WG488757-4 QC Sample: L1113555-12 Client ID: GW-12                 |               |          |          |              |           |               |                 |     |            |
| Mercury, Total                                                                                                                             | ND            | 0.001    | 0.0012   | 121          | -         | -             | 70-130          | -   | 20         |
| Total Metals - Westborough Lab Associated sample(s): 01-02,04-05,07-10 QC Batch ID: WG488767-4 QC Sample: L1113554-01 Client ID: MS Sample |               |          |          |              |           |               |                 |     |            |
| Mercury, Total                                                                                                                             | 0.30          | 0.144    | 0.44     | 97           | -         | -             | 70-130          | -   | 35         |

## Lab Duplicate Analysis

Batch Quality Control

Project Name: 264 N. 10TH ST.

Project Number: 11338

Lab Number: L1113555

Report Date: 09/08/11

| Parameter                                                                                                                                          | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|----------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------|------------|
| <b>Total Metals - Westborough Lab Associated sample(s): 01-02,04-05,09-10 QC Batch ID: WG487991-3 QC Sample: L1113460-05 Client ID: DUP Sample</b> |               |                  |       |     |      |            |
| Arsenic, Total                                                                                                                                     | 15.           | 24               | mg/kg | 46  | Q    | 35         |
| Cadmium, Total                                                                                                                                     | 12.           | 6.2              | mg/kg | 64  | Q    | 35         |
| Copper, Total                                                                                                                                      | 3700          | 1400             | mg/kg | 90  | Q    | 35         |
| Lead, Total                                                                                                                                        | 1300          | 23000            | mg/kg | 179 | Q    | 35         |
| <b>Total Metals - Westborough Lab Associated sample(s): 12-15 QC Batch ID: WG488001-3 QC Sample: L1113555-13 Client ID: GW-15</b>                  |               |                  |       |     |      |            |
| Antimony, Total                                                                                                                                    | 0.0013J       | 0.0014J          | mg/l  | NC  |      | 20         |
| Beryllium, Total                                                                                                                                   | ND            | ND               | mg/l  | NC  |      | 20         |
| Thallium, Total                                                                                                                                    | ND            | ND               | mg/l  | NC  |      | 20         |

## Lab Duplicate Analysis

### Batch Quality Control

**Project Name:** 264 N. 10TH ST.  
**Project Number:** 11338

**Lab Number:** L1113555  
**Report Date:** 09/08/11

| Parameter                                                                                                                  | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|----------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------------|
| Total Metals - Westborough Lab Associated sample(s): 12-15 QC Batch ID: WG488002-3 QC Sample: L1113555-13 Client ID: GW-15 |               |                  |       |     |            |
| Aluminum, Total                                                                                                            | 3.2           | 3.1              | mg/l  | 3   | 20         |
| Arsenic, Total                                                                                                             | 0.023         | 0.021            | mg/l  | 8   | 20         |
| Barium, Total                                                                                                              | 0.473         | 0.456            | mg/l  | 4   | 20         |
| Cadmium, Total                                                                                                             | ND            | ND               | mg/l  | NC  | 20         |
| Calcium, Total                                                                                                             | 210           | 200              | mg/l  | 5   | 20         |
| Chromium, Total                                                                                                            | 0.01          | 0.01             | mg/l  | 0   | 20         |
| Cobalt, Total                                                                                                              | 0.004J        | 0.004J           | mg/l  | NC  | 20         |
| Copper, Total                                                                                                              | 0.044         | 0.051            | mg/l  | 15  | 20         |
| Iron, Total                                                                                                                | 9.5           | 9.3              | mg/l  | 2   | 20         |
| Lead, Total                                                                                                                | 0.495         | 0.471            | mg/l  | 5   | 20         |
| Magnesium, Total                                                                                                           | 28.           | 27               | mg/l  | 4   | 20         |
| Manganese, Total                                                                                                           | 0.616         | 0.599            | mg/l  | 3   | 20         |
| Nickel, Total                                                                                                              | 0.007J        | 0.007J           | mg/l  | NC  | 20         |
| Potassium, Total                                                                                                           | 30.           | 29               | mg/l  | 3   | 20         |
| Selenium, Total                                                                                                            | ND            | ND               | mg/l  | NC  | 20         |
| Silver, Total                                                                                                              | ND            | ND               | mg/l  | NC  | 20         |
| Sodium, Total                                                                                                              | 63.           | 62               | mg/l  | 2   | 20         |
| Vanadium, Total                                                                                                            | 0.015         | 0.014            | mg/l  | 5   | 20         |
| Zinc, Total                                                                                                                | 0.272         | 0.255            | mg/l  | 6   | 20         |

## Lab Duplicate Analysis

### Batch Quality Control

**Project Name:** 264 N. 10TH ST.  
**Project Number:** 11338

**Lab Number:** L1113555  
**Report Date:** 09/08/11

| Parameter                                                                                                                      | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|--------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------------|
| Dissolved Metals - Westborough Lab Associated sample(s): 12-15 QC Batch ID: WG488093-3 QC Sample: L1113555-12 Client ID: GW-12 |               |                  |       |     |            |
| Aluminum, Dissolved                                                                                                            | 0.97          | 0.32             | mg/l  | 101 | Q 20       |
| Arsenic, Dissolved                                                                                                             | ND            | ND               | mg/l  | NC  | 20         |
| Barium, Dissolved                                                                                                              | 0.144         | 0.142            | mg/l  | 1   | 20         |
| Cadmium, Dissolved                                                                                                             | ND            | ND               | mg/l  | NC  | 20         |
| Calcium, Dissolved                                                                                                             | 160           | 160              | mg/l  | 0   | 20         |
| Chromium, Dissolved                                                                                                            | ND            | ND               | mg/l  | NC  | 20         |
| Cobalt, Dissolved                                                                                                              | ND            | ND               | mg/l  | NC  | 20         |
| Copper, Dissolved                                                                                                              | ND            | ND               | mg/l  | NC  | 20         |
| Iron, Dissolved                                                                                                                | 0.63          | 0.49             | mg/l  | 25  | Q 20       |
| Lead, Dissolved                                                                                                                | 0.003J        | ND               | mg/l  | NC  | 20         |
| Magnesium, Dissolved                                                                                                           | 24.           | 24               | mg/l  | 0   | 20         |
| Manganese, Dissolved                                                                                                           | 0.570         | 0.566            | mg/l  | 1   | 20         |
| Nickel, Dissolved                                                                                                              | 0.003J        | 0.003J           | mg/l  | NC  | 20         |
| Potassium, Dissolved                                                                                                           | 24.           | 24               | mg/l  | 0   | 20         |
| Selenium, Dissolved                                                                                                            | 0.004J        | ND               | mg/l  | NC  | 20         |
| Silver, Dissolved                                                                                                              | ND            | ND               | mg/l  | NC  | 20         |
| Sodium, Dissolved                                                                                                              | 60.           | 60               | mg/l  | 0   | 20         |
| Vanadium, Dissolved                                                                                                            | ND            | ND               | mg/l  | NC  | 20         |
| Zinc, Dissolved                                                                                                                | 0.011J        | 0.010J           | mg/l  | NC  | 20         |

### Lab Duplicate Analysis Batch Quality Control

**Project Name:** 264 N. 10TH ST.  
**Project Number:** 11338

**Lab Number:** L1113555  
**Report Date:** 09/08/11

| Parameter                                                                                                                                   | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|---------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------------|
| Dissolved Metals - Westborough Lab Associated sample(s): 12-15 QC Batch ID: WG488094-3 QC Sample: L1113555-12 Client ID: GW-12              |               |                  |       |     |            |
| Antimony, Dissolved                                                                                                                         | 0.0010J       | 0.0006J          | mg/l  | NC  | 20         |
| Beryllium, Dissolved                                                                                                                        | ND            | ND               | mg/l  | NC  | 20         |
| Thallium, Dissolved                                                                                                                         | 0.00003J      | ND               | mg/l  | NC  | 20         |
| Dissolved Metals - Westborough Lab Associated sample(s): 12-15 QC Batch ID: WG488753-3 QC Sample: L1113522-01 Client ID: DUP Sample         |               |                  |       |     |            |
| Mercury, Dissolved                                                                                                                          | ND            | ND               | mg/l  | NC  | 20         |
| Total Metals - Westborough Lab Associated sample(s): 12-15 QC Batch ID: WG488757-3 QC Sample: L1113555-12 Client ID: GW-12                  |               |                  |       |     |            |
| Mercury, Total                                                                                                                              | ND            | ND               | mg/l  | NC  | 20         |
| Total Metals - Westborough Lab Associated sample(s): 01-02,04-05,07-10 QC Batch ID: WG488767-3 QC Sample: L1113554-01 Client ID: DUP Sample |               |                  |       |     |            |
| Mercury, Total                                                                                                                              | 0.30          | 0.49             | mg/kg | 48  | Q 35       |

# **INORGANICS & MISCELLANEOUS**

Project Name: 264 N. 10TH ST.

Lab Number: L1113555

Project Number: 11338

Report Date: 09/08/11

## SAMPLE RESULTS

Lab ID: L1113555-01

Date Collected: 08/31/11 09:10

Client ID: B-12 (6-8)

Date Received: 08/31/11

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

Matrix: Soil

| Parameter                           | Result | Qualifier | Units | RL   | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |      |     |                    |                  |                  |                      |         |
| Solids, Total                       | 85     |           | %     | 0.10 | NA  | 1                  | -                | 09/01/11 17:09   | 30,2540G             | MD      |



**Project Name:** 264 N. 10TH ST.  
**Project Number:** 11338

**Lab Number:** L1113555  
**Report Date:** 09/08/11

**SAMPLE RESULTS**

**Lab ID:** L1113555-02  
**Client ID:** B-12 (8-10)  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Soil

**Date Collected:** 08/31/11 09:14  
**Date Received:** 08/31/11  
**Field Prep:** Not Specified

| Parameter                           | Result | Qualifier | Units | RL   | MDL | Dilution Factor | Date Prepared | Date Analyzed  | Analytical Method | Analyst |
|-------------------------------------|--------|-----------|-------|------|-----|-----------------|---------------|----------------|-------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |      |     |                 |               |                |                   |         |
| Solids, Total                       | 84     |           | %     | 0.10 | NA  | 1               | -             | 09/01/11 17:09 | 30,2540G          | MD      |



**Project Name:** 264 N. 10TH ST.  
**Project Number:** 11338

**Lab Number:** L1113555  
**Report Date:** 09/08/11

**SAMPLE RESULTS**

**Lab ID:** L1113555-04  
**Client ID:** B-15 (5'-7')  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Soil

**Date Collected:** 08/31/11 11:55  
**Date Received:** 08/31/11  
**Field Prep:** Not Specified

| Parameter                           | Result | Qualifier | Units | RL   | MDL | Dilution Factor | Date Prepared | Date Analyzed  | Analytical Method | Analyst |
|-------------------------------------|--------|-----------|-------|------|-----|-----------------|---------------|----------------|-------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |      |     |                 |               |                |                   |         |
| Solids, Total                       | 78     |           | %     | 0.10 | NA  | 1               | -             | 09/01/11 17:09 | 30,2540G          | MD      |



**Project Name:** 264 N. 10TH ST.  
**Project Number:** 11338

**Lab Number:** L1113555  
**Report Date:** 09/08/11

**SAMPLE RESULTS**

**Lab ID:** L1113555-05  
**Client ID:** B-15 (7'-9')  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Soil

**Date Collected:** 08/31/11 11:58  
**Date Received:** 08/31/11  
**Field Prep:** Not Specified

| Parameter                           | Result | Qualifier | Units | RL   | MDL | Dilution Factor | Date Prepared | Date Analyzed  | Analytical Method | Analyst |
|-------------------------------------|--------|-----------|-------|------|-----|-----------------|---------------|----------------|-------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |      |     |                 |               |                |                   |         |
| Solids, Total                       | 65     |           | %     | 0.10 | NA  | 1               | -             | 09/01/11 17:09 | 30,2540G          | MD      |



**Project Name:** 264 N. 10TH ST.  
**Project Number:** 11338

**Lab Number:** L1113555  
**Report Date:** 09/08/11

**SAMPLE RESULTS**

**Lab ID:** L1113555-07  
**Client ID:** B-8 (6'-8')  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Soil

**Date Collected:** 08/31/11 12:30  
**Date Received:** 08/31/11  
**Field Prep:** Not Specified

| Parameter                           | Result | Qualifier | Units | RL   | MDL | Dilution Factor | Date Prepared | Date Analyzed  | Analytical Method | Analyst |
|-------------------------------------|--------|-----------|-------|------|-----|-----------------|---------------|----------------|-------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |      |     |                 |               |                |                   |         |
| Solids, Total                       | 86     |           | %     | 0.10 | NA  | 1               | -             | 09/01/11 17:09 | 30,2540G          | MD      |



**Project Name:** 264 N. 10TH ST.  
**Project Number:** 11338

**Lab Number:** L1113555  
**Report Date:** 09/08/11

**SAMPLE RESULTS**

**Lab ID:** L1113555-08  
**Client ID:** B-8 (8'-10')  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Soil

**Date Collected:** 08/31/11 12:32  
**Date Received:** 08/31/11  
**Field Prep:** Not Specified

| Parameter                           | Result | Qualifier | Units | RL   | MDL | Dilution Factor | Date Prepared | Date Analyzed  | Analytical Method | Analyst |
|-------------------------------------|--------|-----------|-------|------|-----|-----------------|---------------|----------------|-------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |      |     |                 |               |                |                   |         |
| Solids, Total                       | 70     |           | %     | 0.10 | NA  | 1               | -             | 09/01/11 17:09 | 30,2540G          | MD      |



**Project Name:** 264 N. 10TH ST.  
**Project Number:** 11338

**Lab Number:** L1113555  
**Report Date:** 09/08/11

**SAMPLE RESULTS**

**Lab ID:** L1113555-09  
**Client ID:** B-2 (4'-6')  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Soil

**Date Collected:** 08/31/11 13:50  
**Date Received:** 08/31/11  
**Field Prep:** Not Specified

| Parameter                           | Result | Qualifier | Units | RL   | MDL | Dilution Factor | Date Prepared | Date Analyzed  | Analytical Method | Analyst |
|-------------------------------------|--------|-----------|-------|------|-----|-----------------|---------------|----------------|-------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |      |     |                 |               |                |                   |         |
| Solids, Total                       | 83     |           | %     | 0.10 | NA  | 1               | -             | 09/01/11 17:50 | 30,2540G          | MD      |



**Project Name:** 264 N. 10TH ST.  
**Project Number:** 11338

**Lab Number:** L1113555  
**Report Date:** 09/08/11

**SAMPLE RESULTS**

**Lab ID:** L1113555-10  
**Client ID:** B-2 (6'-8')  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Soil

**Date Collected:** 08/31/11 13:55  
**Date Received:** 08/31/11  
**Field Prep:** Not Specified

| Parameter                           | Result | Qualifier | Units | RL   | MDL | Dilution Factor | Date Prepared | Date Analyzed  | Analytical Method | Analyst |
|-------------------------------------|--------|-----------|-------|------|-----|-----------------|---------------|----------------|-------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |      |     |                 |               |                |                   |         |
| Solids, Total                       | 86     |           | %     | 0.10 | NA  | 1               | -             | 09/01/11 17:50 | 30,2540G          | MD      |



## Lab Duplicate Analysis

Batch Quality Control

**Project Name:** 264 N. 10TH ST.  
**Project Number:** 11338

**Lab Number:** L1113555  
**Report Date:** 09/08/11

| Parameter                                                                                                                                        | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|--------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------|------------|
| General Chemistry - Westborough Lab Associated sample(s): 01-02,04-05,07-08 QC Batch ID: WG487594-1 QC Sample: L1113514-07 Client ID: DUP Sample |               |                  |       |     |      |            |
| Solids, Total                                                                                                                                    | 91.           | 92               | %     | 1   |      | 20         |
| General Chemistry - Westborough Lab Associated sample(s): 09-10 QC Batch ID: WG487600-1 QC Sample: L1113555-09 Client ID: B-2 (4'-6')            |               |                  |       |     |      |            |
| Solids, Total                                                                                                                                    | 83.           | 84               | %     | 1   |      | 20         |

Project Name: 264 N. 10TH ST.

Lab Number: L1113555

Project Number: 11338

Report Date: 09/08/11

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

## Cooler Information Custody Seal

## Cooler

A Absent  
B Absent

## Container Information

| Container ID | Container Type           | Cooler | pH  | Temp deg C | Pres | Seal   | Analysis(*)                                                |
|--------------|--------------------------|--------|-----|------------|------|--------|------------------------------------------------------------|
| L1113555-01A | Amber 120ml unpreserved  | A      | N/A | 3.3        | Y    | Absent | AS-TI(180),TS(7),HG-T(28)                                  |
| L1113555-02A | Amber 120ml unpreserved  | A      | N/A | 3.3        | Y    | Absent | AS-TI(180),TS(7),HG-T(28)                                  |
| L1113555-03A | Amber 120ml unpreserved  | A      | N/A | 3.3        | Y    | Absent | HOLD(14)                                                   |
| L1113555-04A | Amber 120ml unpreserved  | B      | N/A | 3.2        | Y    | Absent | BA-TI(180),TS(7),CU-TI(180),PB-TI(180),HG-T(28),CD-TI(180) |
| L1113555-05A | Amber 120ml unpreserved  | B      | N/A | 3.2        | Y    | Absent | BA-TI(180),TS(7),CU-TI(180),PB-TI(180),HG-T(28),CD-TI(180) |
| L1113555-06A | Amber 120ml unpreserved  | B      | N/A | 3.2        | Y    | Absent | HOLD(14)                                                   |
| L1113555-07A | Amber 120ml unpreserved  | B      | N/A | 3.2        | Y    | Absent | TS(7),HG-T(28)                                             |
| L1113555-08A | Amber 120ml unpreserved  | B      | N/A | 3.2        | Y    | Absent | TS(7),HG-T(28)                                             |
| L1113555-09A | Amber 120ml unpreserved  | B      | N/A | 3.2        | Y    | Absent | TS(7),CU-TI(180),HG-T(28)                                  |
| L1113555-10A | Amber 120ml unpreserved  | B      | N/A | 3.2        | Y    | Absent | TS(7),CU-TI(180),HG-T(28)                                  |
| L1113555-11A | Amber 120ml unpreserved  | B      | N/A | 3.2        | Y    | Absent | HOLD(14)                                                   |
| L1113555-12A | Vial HCl preserved       | B      | N/A | 3.2        | Y    | Absent | NYTCL-8260(14)                                             |
| L1113555-12B | Vial HCl preserved       | B      | N/A | 3.2        | Y    | Absent | NYTCL-8260(14)                                             |
| L1113555-12C | Vial HCl preserved       | B      | N/A | 3.2        | Y    | Absent | NYTCL-8260(14)                                             |
| L1113555-12D | Amber 1000ml unpreserved | B      | 7   | 3.2        | Y    | Absent | NYTCL-8270(7),NYTCL-8270-SIM(7)                            |
| L1113555-12E | Amber 1000ml unpreserved | B      | 7   | 3.2        | Y    | Absent | NYTCL-8270(7),NYTCL-8270-SIM(7)                            |
| L1113555-12F | Amber 1000ml unpreserved | B      | 7   | 3.2        | Y    | Absent | NYTCL-8082-1200ML(7)                                       |
| L1113555-12G | Amber 1000ml unpreserved | B      | 7   | 3.2        | Y    | Absent | NYTCL-8082-1200ML(7)                                       |
| L1113555-12H | Amber 1000ml unpreserved | B      | 7   | 3.2        | Y    | Absent | NYTCL-8081(7)                                              |
| L1113555-12I | Amber 1000ml unpreserved | B      | 7   | 3.2        | Y    | Absent | NYTCL-8081(7)                                              |

\*Values in parentheses indicate holding time in days



Project Name: 264 N. 10TH ST.

Project Number: 11338

Lab Number: L1113555

Report Date: 09/08/11

## Container Information

| Container ID | Container Type                   | Cooler | pH  | Temp deg C | Pres | Seal   | Analysis(*)                                                                                                                                                                                                                                                       |
|--------------|----------------------------------|--------|-----|------------|------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L1113555-12J | Plastic 500ml HNO3 preserved     | B      | <2  | 3.2        | Y    | Absent | TL-6020T(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),BE-6020T(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),SB-6020T(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |
| L1113555-12K | Plastic 500ml HNO3 preserved     | B      | <2  | 3.2        | Y    | Absent | -                                                                                                                                                                                                                                                                 |
| L1113555-12X | Plastic 500ml HNO3 preserved spl | B      | <2  | 3.2        | Y    | Absent | PB-SI(180),FE-SI(180),BA-SI(180),BE-6020S(180),AG-SI(180),AS-SI(180),CU-SI(180),MN-SI(180),NA-SI(180),NI-SI(180),AL-SI(180),CD-SI(180),CO-SI(180),TL-6020S(180),CR-SI(180),K-SI(180),MG-SI(180),SB-6020S(180),CA-SI(180),HG-S(28),SE-SI(180),V-SI(180),ZN-SI(180) |
| L1113555-13A | Vial HCl preserved               | B      | N/A | 3.2        | Y    | Absent | NYTCL-8260(14)                                                                                                                                                                                                                                                    |
| L1113555-13B | Vial HCl preserved               | B      | N/A | 3.2        | Y    | Absent | NYTCL-8260(14)                                                                                                                                                                                                                                                    |
| L1113555-13C | Vial HCl preserved               | B      | N/A | 3.2        | Y    | Absent | NYTCL-8260(14)                                                                                                                                                                                                                                                    |
| L1113555-13D | Amber 1000ml unpreserved         | B      | 7   | 3.2        | Y    | Absent | NYTCL-8270(7),NYTCL-8270-SIM(7)                                                                                                                                                                                                                                   |
| L1113555-13E | Amber 1000ml unpreserved         | B      | 7   | 3.2        | Y    | Absent | NYTCL-8270(7),NYTCL-8270-SIM(7)                                                                                                                                                                                                                                   |
| L1113555-13F | Amber 1000ml unpreserved         | B      | 7   | 3.2        | Y    | Absent | NYTCL-8082-1200ML(7)                                                                                                                                                                                                                                              |
| L1113555-13G | Amber 1000ml unpreserved         | B      | 7   | 3.2        | Y    | Absent | NYTCL-8082-1200ML(7)                                                                                                                                                                                                                                              |
| L1113555-13H | Amber 1000ml unpreserved         | B      | 7   | 3.2        | Y    | Absent | NYTCL-8081(7)                                                                                                                                                                                                                                                     |
| L1113555-13I | Amber 1000ml unpreserved         | B      | 7   | 3.2        | Y    | Absent | NYTCL-8081(7)                                                                                                                                                                                                                                                     |
| L1113555-13J | Plastic 500ml HNO3 preserved     | B      | <2  | 3.2        | Y    | Absent | TL-6020T(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),BE-6020T(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),SB-6020T(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |
| L1113555-13K | Plastic 500ml HNO3 preserved     | B      | <2  | 3.2        | Y    | Absent | -                                                                                                                                                                                                                                                                 |

\*Values in parentheses indicate holding time in days



Project Name: 264 N. 10TH ST.

Project Number: 11338

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Report Date: 09/08/11

## Container Information

| Container ID | Container Type                   | Cooler | pH  | Temp deg C | Pres | Seal   | Analysis(*)                                                                                                                                                                                                                                                       |
|--------------|----------------------------------|--------|-----|------------|------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L1113555-13X | Plastic 500ml HNO3 preserved spl | B      | <2  | 3.2        | Y    | Absent | PB-SI(180),FE-SI(180),BA-SI(180),BE-6020S(180),AG-SI(180),AS-SI(180),CU-SI(180),MN-SI(180),NA-SI(180),NI-SI(180),AL-SI(180),CD-SI(180),CO-SI(180),TL-6020S(180),CR-SI(180),K-SI(180),MG-SI(180),SB-6020S(180),CA-SI(180),HG-S(28),SE-SI(180),V-SI(180),ZN-SI(180) |
| L1113555-14A | Vial HCl preserved               | A      | N/A | 3.3        | Y    | Absent | NYTCL-8260(14)                                                                                                                                                                                                                                                    |
| L1113555-14B | Vial HCl preserved               | A      | N/A | 3.3        | Y    | Absent | NYTCL-8260(14)                                                                                                                                                                                                                                                    |
| L1113555-14C | Vial HCl preserved               | A      | N/A | 3.3        | Y    | Absent | NYTCL-8260(14)                                                                                                                                                                                                                                                    |
| L1113555-14D | Amber 1000ml unpreserved         | A      | 7   | 3.3        | Y    | Absent | NYTCL-8270(7),NYTCL-8270-SIM(7)                                                                                                                                                                                                                                   |
| L1113555-14E | Amber 1000ml unpreserved         | A      | 7   | 3.3        | Y    | Absent | NYTCL-8270(7),NYTCL-8270-SIM(7)                                                                                                                                                                                                                                   |
| L1113555-14F | Amber 1000ml unpreserved         | A      | 7   | 3.3        | Y    | Absent | NYTCL-8082-1200ML(7)                                                                                                                                                                                                                                              |
| L1113555-14G | Amber 1000ml unpreserved         | A      | 7   | 3.3        | Y    | Absent | NYTCL-8082-1200ML(7)                                                                                                                                                                                                                                              |
| L1113555-14H | Amber 1000ml unpreserved         | A      | 7   | 3.3        | Y    | Absent | NYTCL-8081(7)                                                                                                                                                                                                                                                     |
| L1113555-14I | Amber 1000ml unpreserved         | A      | 7   | 3.3        | Y    | Absent | NYTCL-8081(7)                                                                                                                                                                                                                                                     |
| L1113555-14J | Plastic 500ml HNO3 preserved     | A      | <2  | 3.3        | Y    | Absent | TL-6020T(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),BE-6020T(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),SB-6020T(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |
| L1113555-14K | Plastic 500ml HNO3 preserved     | A      | <2  | 3.3        | Y    | Absent | -                                                                                                                                                                                                                                                                 |
| L1113555-14X | Plastic 500ml HNO3 preserved spl | A      | <2  | 3.3        | Y    | Absent | PB-SI(180),FE-SI(180),BA-SI(180),BE-6020S(180),AG-SI(180),AS-SI(180),CU-SI(180),MN-SI(180),NA-SI(180),NI-SI(180),AL-SI(180),CD-SI(180),CO-SI(180),TL-6020S(180),CR-SI(180),K-SI(180),MG-SI(180),SB-6020S(180),CA-SI(180),HG-S(28),SE-SI(180),V-SI(180),ZN-SI(180) |
| L1113555-15A | Vial HCl preserved               | A      | N/A | 3.3        | Y    | Absent | NYTCL-8260(14)                                                                                                                                                                                                                                                    |
| L1113555-15B | Vial HCl preserved               | A      | N/A | 3.3        | Y    | Absent | NYTCL-8260(14)                                                                                                                                                                                                                                                    |
| L1113555-15C | Vial HCl preserved               | A      | N/A | 3.3        | Y    | Absent | NYTCL-8260(14)                                                                                                                                                                                                                                                    |
| L1113555-15D | Amber 1000ml unpreserved         | A      | 7   | 3.3        | Y    | Absent | NYTCL-8270(7),NYTCL-8270-SIM(7)                                                                                                                                                                                                                                   |

\*Values in parentheses indicate holding time in days



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Project Number: 11338

Lab Number: L1113555

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**Container Information**

| Container ID | Container Type                   | Cooler | pH  | Temp deg C | Pres | Seal   | Analysis(*)                                                                                                                                                                                                                                                       |
|--------------|----------------------------------|--------|-----|------------|------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L1113555-15E | Amber 1000ml unpreserved         | A      | 7   | 3.3        | Y    | Absent | NYTCL-8270(7),NYTCL-8270-SIM(7)                                                                                                                                                                                                                                   |
| L1113555-15F | Amber 1000ml unpreserved         | A      | 7   | 3.3        | Y    | Absent | NYTCL-8082-1200ML(7)                                                                                                                                                                                                                                              |
| L1113555-15G | Amber 1000ml unpreserved         | A      | 7   | 3.3        | Y    | Absent | NYTCL-8082-1200ML(7)                                                                                                                                                                                                                                              |
| L1113555-15H | Amber 1000ml unpreserved         | A      | 7   | 3.3        | Y    | Absent | NYTCL-8081(7)                                                                                                                                                                                                                                                     |
| L1113555-15I | Amber 1000ml unpreserved         | A      | 7   | 3.3        | Y    | Absent | NYTCL-8081(7)                                                                                                                                                                                                                                                     |
| L1113555-15J | Plastic 500ml HNO3 preserved     | A      | <2  | 3.3        | Y    | Absent | TL-6020T(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),BE-6020T(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),SB-6020T(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |
| L1113555-15K | Plastic 500ml HNO3 preserved     | A      | <2  | 3.3        | Y    | Absent | -                                                                                                                                                                                                                                                                 |
| L1113555-15X | Plastic 500ml HNO3 preserved spl | A      | <2  | 3.3        | Y    | Absent | PB-SI(180),FE-SI(180),BA-SI(180),BE-6020S(180),AG-SI(180),AS-SI(180),CU-SI(180),MN-SI(180),NA-SI(180),NI-SI(180),AL-SI(180),CD-SI(180),CO-SI(180),TL-6020S(180),CR-SI(180),K-SI(180),MG-SI(180),SB-6020S(180),CA-SI(180),HG-S(28),SE-SI(180),V-SI(180),ZN-SI(180) |
| L1113555-16A | Vial HCl preserved               | A      | N/A | 3.3        | Y    | Absent | NYTCL-8260(14)                                                                                                                                                                                                                                                    |
| L1113555-16B | Vial HCl preserved               | A      | N/A | 3.3        | Y    | Absent | NYTCL-8260(14)                                                                                                                                                                                                                                                    |
| L1113555-16C | Vial HCl preserved               | A      | N/A | 3.3        | Y    | Absent | NYTCL-8260(14)                                                                                                                                                                                                                                                    |
| L1113555-17A | Vial HCl preserved               | A      | N/A | 3.3        | Y    | Absent | NYTCL-8260(14)                                                                                                                                                                                                                                                    |
| L1113555-17B | Vial HCl preserved               | A      | N/A | 3.3        | Y    | Absent | NYTCL-8260(14)                                                                                                                                                                                                                                                    |

\*Values in parentheses indicate holding time in days



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## GLOSSARY

### Acronyms

|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EPA  | - Environmental Protection Agency.                                                                                                                                                                                                                                                                                                                                                                                                                        |
| LCS  | - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.                                                                                                                                                                                                                                                         |
| LCSD | - Laboratory Control Sample Duplicate: Refer to LCS.                                                                                                                                                                                                                                                                                                                                                                                                      |
| LFB  | - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.                                                                                                                                                                                                                                                        |
| MDL  | - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.                                                                                                                         |
| MS   | - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.                                                                                                                                                                                                                                                  |
| MSD  | - Matrix Spike Sample Duplicate: Refer to MS.                                                                                                                                                                                                                                                                                                                                                                                                             |
| NA   | - Not Applicable.                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| NC   | - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.                                                                                                                                                                                                                                                                                                          |
| NI   | - Not Ignitable.                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| RL   | - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.                                                                                                                                                                                                                                  |
| RPD  | - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report. |
| SRM  | - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.                                                                                                                                                                                                                                                                                                    |

### Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

### Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

### Data Qualifiers

- |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>A</b> | - Spectra identified as "Aldol Condensation Product".                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>B</b> | - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. |
| <b>C</b> | - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>D</b> | - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>E</b> | - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>G</b> | - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>H</b> | - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>I</b> | - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>M</b> | - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>P</b> | - The RPD between the results for the two columns exceeds the method-specified criteria.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Q</b> | - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

Report Format: DU Report with "J" Qualifiers



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**Data Qualifiers**

than 5x the RL. (Metals only.)

**R** - Analytical results are from sample re-analysis.

**RE** - Analytical results are from sample re-extraction.

**J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL). This represents an estimated concentration for Tentatively Identified Compounds (TICs).

**ND** - Not detected at the method detection limit (MDL) for the sample.

Report Format: DU Report with "J" Qualifiers

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**Project Name:** 264 N. 10TH ST.  
**Project Number:** 11338

**Lab Number:** L1113555  
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## REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.
- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



## Certificate/Approval Program Summary

Last revised July 28, 2011 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.  
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

### Connecticut Department of Public Health Certificate/Lab ID: PH-0574. **NELAP Accredited Solid Waste/Soil.**

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB), 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223 P/A), E. Coli. – Colilert (SM9223 P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D))

*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E).)

*Solid Waste/Soil* (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3,3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons. )

### Maine Department of Human Services Certificate/Lab ID: 2009024.

*Drinking Water* (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500CI-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500CI-D, 4500CI-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223D, 9222D. Organic Parameters: 608, 8081, 8082, 8330, 8151A, 624, 8260, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

*Solid Waste/Soil* (Inorganic Parameters: 9010B, 9012A, 9014A, 9040B, 9045C, 6010B, 7471A, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8330, 8151A, 8081A, 8082, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

### Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.

*Drinking Water* (Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water* (Inorganic Parameters: (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl, V,Zn); 245.1, SM4500H,B, EPA 120.1,

SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

**New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. *NELAP Accredited.***

*Drinking Water* (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, 9050A, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3580A, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

**New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. *NELAP Accredited.***

*Drinking Water* (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500CI-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 6020A, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, 3015, EPA 6010B, 6010C, 7196A, 3060A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8081B, 8082, 8082A, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846, 6010B, 6010C, 7196A, 3060A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

**New York Department of Health Certificate/Lab ID: 11148. *NELAP Accredited.***

*Drinking Water* (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B.. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

*Solid & Hazardous Waste* (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

**North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.**

*Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)*

**Pennsylvania Department of Environmental Protection** Certificate/Lab ID : 68-03671. **NELAP Accredited.**  
*Drinking Water* (Organic Parameters: EPA 524.2, 504.1)

*Non-Potable Water* (Inorganic Parameters: EPA 1312, 200.7, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE.  
Organic Parameters: EPA 3510C, 5030B, 625, 624, 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 6010B, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5035, 8015B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

**Rhode Island Department of Health** Certificate/Lab ID: LAO00065. **NELAP Accredited via NY-DOH.**

Refer to MA-DEP Certificate for Potable and Non-Potable Water.

Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

**Texas Commission on Environmental Quality** Certificate/Lab ID: T104704476-09-1. **NELAP Accredited.**

*Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S<sup>2-</sup> D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

**Department of Defense** Certificate/Lab ID: L2217.

*Drinking Water* (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

**The following analytes are not included in our current NELAP/TNI Scope of Accreditation:**

**EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnaphthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO<sub>2</sub> in a soil matrix, NO<sub>3</sub> in a soil matrix, SO<sub>4</sub> in a soil matrix.



WESTBORO, MA  
TEL: 508-898-9220  
FAX: 508-898-9193

MANSFIELD, MA  
TEL: 508-822-9300  
FAX: 508-822-3288

# CHAIN OF CUSTODY

PAGE 1 OF 3

### Project Information

Project Name: Z64 N. 10th St.

Project Location: Brooklyn, NY

Project #: 11338

Project Manager: Marc Godick

ALPHA Quote #:

Turn-Around Time

Standard  RUSH (only confirmed if pre-approved)

Date Due: 9/9/11 Time:

Other Project Specific Requirements/Comments/Detection Limits:

### Report Information - Data Deliverables

FAX  EMAIL

ADEX  Add'l Deliverables

### Regulatory Requirements/Report Limits

State/Fed Program

NYSDDEC

Criteria

Part 375 BCOS

Date Rec'd In Lab: 8/31/11

ALPHA Job #: L1113555

### Billing Information

Same as Client info PO #:

| ANALYSIS                            |                      |
|-------------------------------------|----------------------|
| <input checked="" type="checkbox"/> | Copper               |
| <input checked="" type="checkbox"/> | Mercury              |
| <input checked="" type="checkbox"/> | Arsenic              |
| <input checked="" type="checkbox"/> | Barium               |
| <input checked="" type="checkbox"/> | Cadmium              |
| <input checked="" type="checkbox"/> | Lead                 |
| <input checked="" type="checkbox"/> | TCL VOCs (8260)      |
| <input checked="" type="checkbox"/> | TCL SVOCs-BNs (8270) |

| SAMPLE HANDLING          |              |
|--------------------------|--------------|
| <input type="checkbox"/> | Filtration   |
| <input type="checkbox"/> | Done         |
| <input type="checkbox"/> | Not needed   |
| <input type="checkbox"/> | Lab to do    |
| <input type="checkbox"/> | Preservation |
| <input type="checkbox"/> | Lab to do    |

| ALPHA Lab ID<br>(Lab Use Only) | Sample ID    | Collection |       | Sample Matrix | Sampler's Initials | ANALYSIS |         |         |        |         |      | SAMPLE HANDLING |                      |            |      |            |           | Sample Specific Comments |              |             |
|--------------------------------|--------------|------------|-------|---------------|--------------------|----------|---------|---------|--------|---------|------|-----------------|----------------------|------------|------|------------|-----------|--------------------------|--------------|-------------|
|                                |              | Date       | Time  |               |                    | Copper   | Mercury | Arsenic | Barium | Cadmium | Lead | TCL VOCs (8260) | TCL SVOCs-BNs (8270) | Filtration | Done | Not needed | Lab to do |                          | Preservation | Lab to do   |
| 13555.1                        | B-12 (6-8)   | 8/31/11    | 05:10 | S             | SG                 | X        | X       | X       | X      | X       | X    | X               | X                    | X          | X    | X          | X         | X                        | X            |             |
| 2                              | B-12 (8-10)  |            | 09:14 | S             | SG                 | X        | X       | X       | X      | X       | X    | X               | X                    | X          | X    | X          | X         | X                        | X            |             |
| 3                              | B-12 (10-12) |            | 09:16 | S             | SG                 | X        | X       | X       | X      | X       | X    | X               | X                    | X          | X    | X          | X         | X                        | X            |             |
| 4                              | B-15 (5-7')  |            | 11:55 | S             | SG                 | X        | X       | X       | X      | X       | X    | X               | X                    | X          | X    | X          | X         | X                        | X            | Hold Sample |
| 5                              | B-15 (7-9')  |            | 11:58 | S             | SG                 | X        | X       | X       | X      | X       | X    | X               | X                    | X          | X    | X          | X         | X                        | X            |             |
| 6                              | B-15 (9-11') |            | 12:00 | S             | SG                 | X        | X       | X       | X      | X       | X    | X               | X                    | X          | X    | X          | X         | X                        | X            | Hold Sample |
| 7                              | B-8 (6-8')   |            | 12:30 | S             | SG                 | X        | X       | X       | X      | X       | X    | X               | X                    | X          | X    | X          | X         | X                        | X            |             |
| 8                              | B-8 (8-10')  |            | 12:32 | S             | SG                 | X        | X       | X       | X      | X       | X    | X               | X                    | X          | X    | X          | X         | X                        | X            |             |
| 9                              | B-2 (4-6')   |            | 13:50 | S             | SG                 | X        | X       | X       | X      | X       | X    | X               | X                    | X          | X    | X          | X         | X                        | X            |             |
| 10                             | B-2 (6-8')   | 8/31/11    | 13:55 | S             | SG                 | X        | X       | X       | X      | X       | X    | X               | X                    | X          | X    | X          | X         | X                        | X            |             |

| Container Type | Preservative |
|----------------|--------------|
| A              | A            |
| A              | A            |
| A              | A            |
| A              | A            |
| A              | A            |
| A              | A            |

| Relinquished By:   | Date/Time           | Received By:       | Date/Time           |
|--------------------|---------------------|--------------------|---------------------|
| <u>[Signature]</u> | <u>8/31/11 1500</u> | <u>[Signature]</u> | <u>8/31/11 15</u>   |
| <u>[Signature]</u> | <u>8/31/11 2230</u> | <u>[Signature]</u> | <u>8/31/11 2230</u> |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. Alpha's Terms and Conditions are subject to See reverse side.





WESTBORO, MA  
TEL: 508-898-9220  
FAX: 508-898-9193

MANFIELD, MA  
TEL: 508-822-9300  
FAX: 508-822-3298

# CHAIN OF CUSTODY

PAGE 3 OF 3

### Client Information

Client: **AKRE, Inc.**  
Address: **34 South Broadway Suite 101**  
**White Plains, NY 10601**  
Phone: **(914) 949-7336**  
Fax: **(914) 949-7559**  
Email: **mgedick@akre.com**

Project Name: **264 N. 10th St.**  
Project Location: **Brooklyn, NY**  
Project #: **1938**  
Project Manager: **Marc Gadick**  
ALPHA Quote #:  
Turn-Around Time  
Standard  RUSH (only confirmed if pre-approved)  
Date Due: **9/18/11** Time:

Other Project Specific Requirements/Comments/Detection Limits:

### Report Information - Data Deliverables

Date Rec'd In Lab: **8/31/11**  
 FAX  EMAIL  
 XDEX  Add'l Deliverables

### Regulatory Requirements/Report Limits

State/Fed Program: **URS DEC**  
Criteria: **Groundwater Protection**

ALPHA Job #: **L1118555**

### Billing Information

PO #:

| ALPHA Lab ID<br>(Lab Use Only) | Sample ID | Collection |       | Sample Matrix | Sampler's Initials |
|--------------------------------|-----------|------------|-------|---------------|--------------------|
|                                |           | Date       | Time  |               |                    |
| 13555 12                       | GW-12     | 8/31/11    | 10:10 | GW            | SG                 |
| 13                             | GW-15     | 8/31/11    | 12:17 | GW            | SG                 |
| 14                             | GW-8      | 8/31/11    | 13:05 | GW            | SG                 |
| 15                             | GW-2      | 8/31/11    | 14:30 | GW            | SG                 |
| 16                             | FB        | 8/31/11    | 14:36 | Ag            | SG                 |
| 17                             | FB        | 8/31/11    | 14:36 | Ag            | SG                 |

| TOTAL # BOTTLES | ANALYSIS              |                    |
|-----------------|-----------------------|--------------------|
|                 | Criteria              | Filteral Units/Day |
|                 | TCL VOCs (8260)       |                    |
|                 | TCL SVOCs-BNAs (8270) |                    |
|                 | TAL Metals (600/700)  |                    |
|                 | PCBs (8082)           |                    |
|                 | Pesticides (8081)     |                    |

**SAMPLE HANDLING**  
 Filtration \_\_\_\_\_  
 Done  
 Not needed  
 Lab to do  
 Preservation \_\_\_\_\_  
 Lab to do  
 (Please specify below)  
 Sample Specific Comments

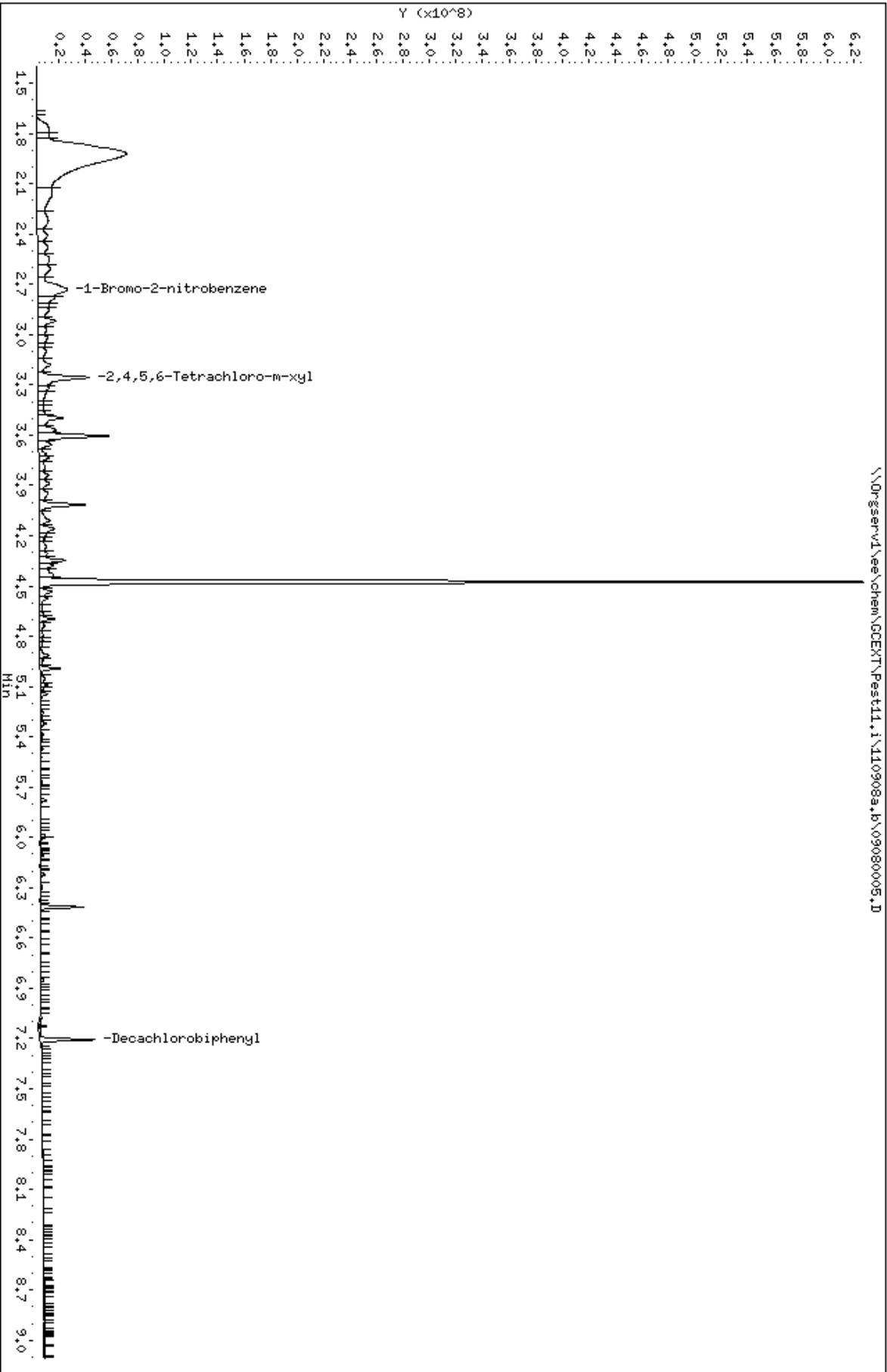
| Container Type | Preservative |
|----------------|--------------|
| A              | B            |
| A              | A            |
| A              | A/C          |
| A              | A            |

Requested By:   
 Date/Time: **8/31/11 15:00**  
 Received By:   
 Date/Time: **8/31/11 22:30**

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

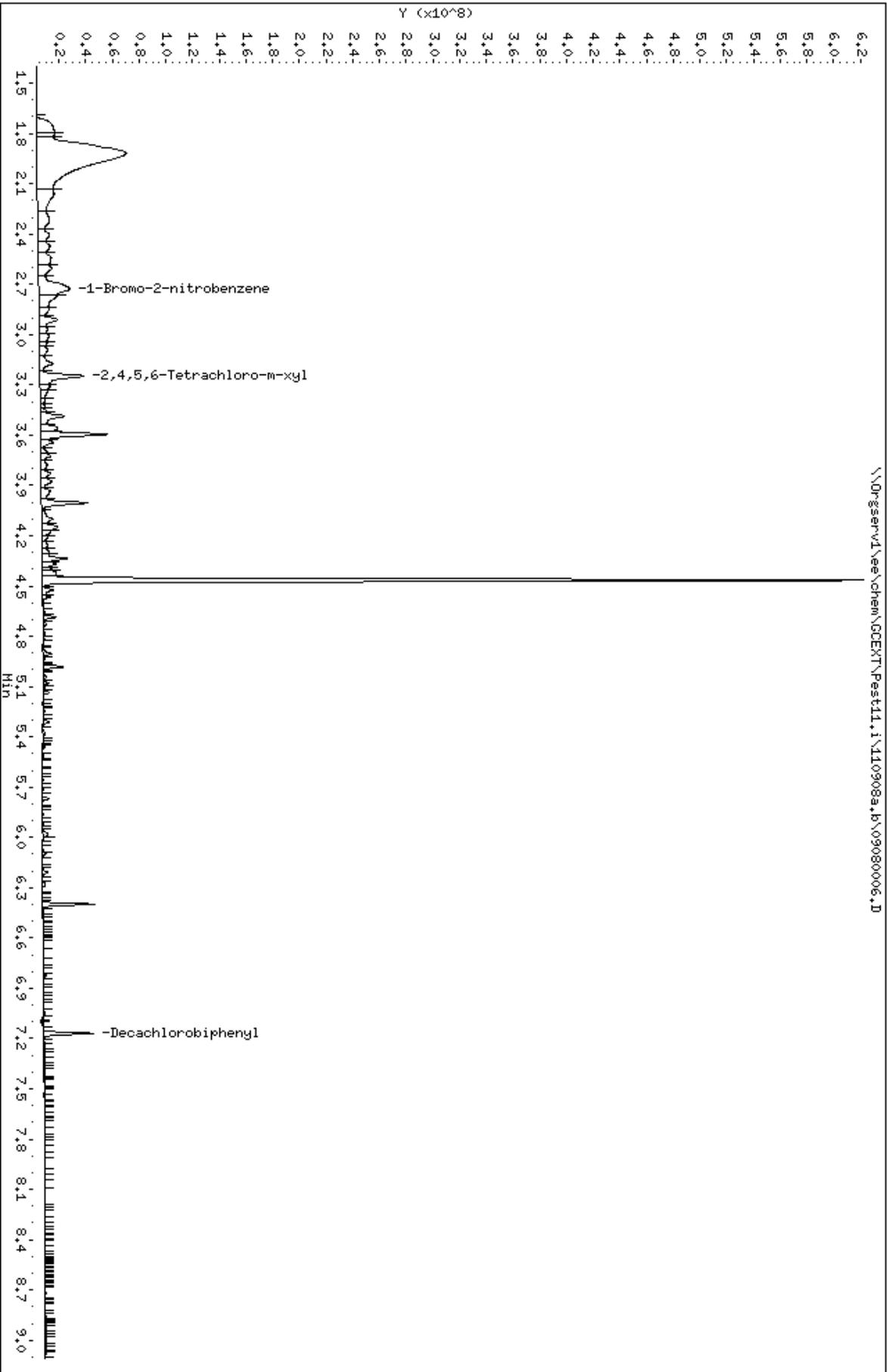
Data File: \\Drgserv1\ee\chem\GCEXT\Pest11.i\110908a.b\09080005.D  
 Date : 08-SEP-2011 08:42  
 Client ID:  
 Sample Info: 11113555-13,42  
 Purge Volume: 200.0  
 Column phase: Rtx-CLP

Instrument: Pest11.i  
 Operator: sh  
 Column diameter: 0.32



Data File: \\Drgersev1\ee\chem\GCEXT\Pest11.i\110908a.b\09080006.D  
 Date : 08-SEP-2011 08:55  
 Client ID:  
 Sample Info: 11113555-15,42  
 Purge Volume: 200.0  
 Column phase: Rtx-CLP

Instrument: Pest11.i  
 Operator: sh  
 Column diameter: 0.32





**Alpha Analytical**  
 320 Forbes Blvd  
 Mansfield, MA 02048-1806  
 Tel: 508-822-9300  
 Fax: 508-822-3288

# AIR Chain-of-Custody - NJ

L1113734

Date Rec'd in Lab \_\_\_\_\_ ALPHA Job# \_\_\_\_\_

| Client Contact Information                  |                                               | Project Information                |                                     |
|---------------------------------------------|-----------------------------------------------|------------------------------------|-------------------------------------|
| Company: <b>AKRF, Inc.</b>                  | Project Name: <b>264 N. 10th St.</b>          | Site/Location: <b>Brooklyn, NY</b> | Project Manager: <b>Mord Godick</b> |
| Address: <b>34 South Broadway-Suite 401</b> | City/State/Zip: <b>White Plains, NY 10601</b> | Site Contact: <b>Steve Green</b>   | Phone: <b>(917) 613-6027</b>        |
| Phone: <b>(914) 949-7336</b>                | FAX: <b>(914) 949-7559</b>                    | Email: <b>mgodick@akrf.com</b>     |                                     |
| Analysis Turn-Around Time                   |                                               |                                    |                                     |
| Standard (Specify) <b>X</b>                 |                                               | Rush (Specify) _____               |                                     |

Carrier: \_\_\_\_\_  
 Samplers Name(s) **Steve Green**  
**Report Information - Data Deliverables:**  
 FAX:  
 ADEx  Criteria Checker: **NYSDEC Soil Vapor Intrusion Guidance Values**  
 EMail (standard pdf report)  
**Billing Information**  
 Same as Client Info PO #: \_\_\_\_\_

| ALPHA LAB ID (Lab Use Only) | Sample Identification | Sample Date(s) | Time Start (24 hr clock) | Time Stop (24 hr clock) | Canister Pressure in Field ("Hg) (Start) | Canister Pressure in Field ("Hg) (Stop) | Exterior Interior Temp. (F) (Start) | Interior Temp. (F) (Stop) | Outgoing Canister Pressure ("Hg) (Lab) | Incoming Canister Pressure ("Hg) (Lab) | Flow Reg. ID | Can ID | Can Size (L) | Flow Controller Readout (ml/min) | Can Cert ID | TO-15 | EPA 3C | Indoor/Ambient Air | Soil Gas |
|-----------------------------|-----------------------|----------------|--------------------------|-------------------------|------------------------------------------|-----------------------------------------|-------------------------------------|---------------------------|----------------------------------------|----------------------------------------|--------------|--------|--------------|----------------------------------|-------------|-------|--------|--------------------|----------|
| 1                           | SG-1                  | 8/31/11        | 1115                     | 1315                    | -29.32                                   | -6.54                                   | 80°F                                | 85°F                      |                                        |                                        | 0166         | 1669   | 6-lr         | 50ml/min<br>2 hour               | L111291     | X     |        |                    | X        |
| 2                           | SG-2                  |                | 1102                     | 1302                    | -30.75                                   | -9.85                                   |                                     |                           |                                        |                                        | 0365         | 1513   | 6-lr         | 50ml/min                         |             | X     |        |                    | X        |
| 3                           | SG-3                  |                | 1046                     | 1246                    | -31.7                                    | -8.52                                   |                                     |                           |                                        |                                        | 0322         | 602    | 6-lr         |                                  |             | X     |        |                    | X        |
| 4 (AA-1)                    | AA-1                  |                | 1100                     | 1300                    | -29.51                                   | -6.47                                   |                                     |                           |                                        |                                        | 0435         | 904    | 6-lr         |                                  |             | X     |        |                    | X        |

| Temperature (Fahrenheit) |         |         |         |
|--------------------------|---------|---------|---------|
|                          | Ambient | Maximum | Minimum |
| Start                    | ~80°F   |         |         |
| Stop                     | ~80°F   |         |         |
| Pressure (inches of Hg)  |         |         |         |
|                          | Ambient | Maximum | Minimum |
| Start                    |         |         |         |
| Stop                     |         |         |         |

GC/MS Analyst Signature (TO-15) \_\_\_\_\_

Special Instructions/QC Requirements & Comments: **\* AA-1 is ambient air**

|                                             |                                |                                           |                                 |
|---------------------------------------------|--------------------------------|-------------------------------------------|---------------------------------|
| Canister Shipped by: <b>AKRF</b>            | Date/Time: <b>8/31/11 1500</b> | Canisters Received by: <b>[Signature]</b> | Date/Time: <b>8/31/11 15:00</b> |
| Samples Relinquished by: <b>[Signature]</b> | Date/Time: <b>8/31/11 2230</b> | Received by: <b>[Signature]</b>           | Date/Time: <b>8/31/11 2230</b>  |
| Relinquished by: <b>[Signature]</b>         | Date/Time: <b>8/31/11 2230</b> | Received by: <b>[Signature]</b>           | Date/Time: <b>9/1/11 7:00</b>   |
|                                             | Date/Time: <b>9/1/11 8:40</b>  |                                           | Date/Time: <b>9/1/11 0840</b>   |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until all ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms. See reverse side.



## ANALYTICAL REPORT

|                 |                                                           |
|-----------------|-----------------------------------------------------------|
| Lab Number:     | L1113734                                                  |
| Client:         | AKRF, Inc.<br>34 South Broadway<br>White Plains, NY 10601 |
| ATTN:           | Steve Grens                                               |
| Phone:          | (914) 949-7336                                            |
| Project Name:   | 264 N. 10TH ST                                            |
| Project Number: | Not Specified                                             |
| Report Date:    | 09/09/11                                                  |

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA030), NY (11627), CT (PH-0141), NH (2206), NJ (MA015), RI (LAO00299), ME (MA0030), PA (Registration #68-02089), LA NELAC (03090), FL NELAC (E87814), US Army Corps of Engineers.

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320 Forbes Boulevard, Mansfield, MA 02048-1806  
508-822-9300 (Fax) 508-822-3288 800-624-9220 - [www.alphalab.com](http://www.alphalab.com)



**Project Name:** 264 N. 10TH ST  
**Project Number:** Not Specified

**Lab Number:** L1113734  
**Report Date:** 09/09/11

| <b>Alpha<br/>Sample ID</b> | <b>Client ID</b> | <b>Sample<br/>Location</b> | <b>Collection<br/>Date/Time</b> |
|----------------------------|------------------|----------------------------|---------------------------------|
| L1113734-01                | SG-1             | BROOKLYN, NY               | 08/31/11 13:15                  |
| L1113734-02                | SG-2             | BROOKLYN, NY               | 08/31/11 13:02                  |
| L1113734-03                | SG-3             | BROOKLYN, NY               | 08/31/11 12:46                  |
| L1113734-04                | AA-1             | BROOKLYN, NY               | 08/31/11 13:00                  |
| L1113734-05                | CAN 1565         | BROOKLYN, NY               |                                 |

**Project Name:** 264 N. 10TH ST  
**Project Number:** Not Specified

**Lab Number:** L1113734  
**Report Date:** 09/09/11

### Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEX data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

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#### Volatile Organics in Air

The canister certification results are provided as an addendum.

L1113734-01, -03 and WG488853-5 Duplicate have elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the samples.

L1113734-02 has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample. The sample was re-analyzed on dilution in order to quantitate the sample within the calibration range. The result should be considered estimated, and is qualified with an E flag, for any compound that exceeded the calibration on the initial analysis. The re-analysis was performed only for the compound that exceeded the calibration range.

**Project Name:** 264 N. 10TH ST  
**Project Number:** Not Specified

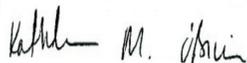
**Lab Number:** L1113734  
**Report Date:** 09/09/11

**Case Narrative (continued)**

L1113734-02 and -04 results for Acetone should be considered estimated due to co-elution with a non-target peak.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Kathleen O'Brien

Title: Technical Director/Representative

Date: 09/09/11

**AIR**

**Project Name:** 264 N. 10TH ST**Lab Number:** L1113734**Project Number:** Not Specified**Report Date:** 09/09/11**SAMPLE RESULTS**

Lab ID: L1113734-01 D  
 Client ID: SG-1  
 Sample Location: BROOKLYN, NY  
 Matrix: Soil\_Vapor  
 Analytical Method: 48,TO-15  
 Analytical Date: 09/08/11 22:03  
 Analyst: RY

Date Collected: 08/31/11 13:15  
 Date Received: 08/31/11  
 Field Prep: Not Specified

| Parameter                                            | ppbV    |      |     | ug/m3   |      |     | Qualifier | Dilution Factor |
|------------------------------------------------------|---------|------|-----|---------|------|-----|-----------|-----------------|
|                                                      | Results | RL   | MDL | Results | RL   | MDL |           |                 |
| Volatile Organics in Air (Low Level) - Mansfield Lab |         |      |     |         |      |     |           |                 |
| Propylene                                            | 45.2    | 5.00 | --  | 77.8    | 8.60 | --  |           | 10              |
| Dichlorodifluoromethane                              | ND      | 2.00 | --  | ND      | 9.89 | --  |           | 10              |
| Chloromethane                                        | ND      | 2.00 | --  | ND      | 4.13 | --  |           | 10              |
| Freon-114                                            | ND      | 2.00 | --  | ND      | 14.0 | --  |           | 10              |
| Vinyl chloride                                       | ND      | 2.00 | --  | ND      | 5.11 | --  |           | 10              |
| 1,3-Butadiene                                        | 2.58    | 2.00 | --  | 5.71    | 4.42 | --  |           | 10              |
| Bromomethane                                         | ND      | 2.00 | --  | ND      | 7.77 | --  |           | 10              |
| Chloroethane                                         | ND      | 2.00 | --  | ND      | 5.28 | --  |           | 10              |
| Ethanol                                              | 42.5    | 25.0 | --  | 80.1    | 47.1 | --  |           | 10              |
| Vinyl bromide                                        | ND      | 2.00 | --  | ND      | 8.74 | --  |           | 10              |
| Acetone                                              | 387     | 10.0 | --  | 919     | 23.8 | --  |           | 10              |
| Trichlorofluoromethane                               | ND      | 2.00 | --  | ND      | 11.2 | --  |           | 10              |
| Isopropanol                                          | ND      | 5.00 | --  | ND      | 12.3 | --  |           | 10              |
| 1,1-Dichloroethene                                   | ND      | 2.00 | --  | ND      | 7.93 | --  |           | 10              |
| Methylene chloride                                   | ND      | 10.0 | --  | ND      | 34.7 | --  |           | 10              |
| 3-Chloropropene                                      | ND      | 2.00 | --  | ND      | 6.26 | --  |           | 10              |
| Carbon disulfide                                     | 2.46    | 2.00 | --  | 7.66    | 6.23 | --  |           | 10              |
| Freon-113                                            | ND      | 2.00 | --  | ND      | 15.3 | --  |           | 10              |
| trans-1,2-Dichloroethene                             | ND      | 2.00 | --  | ND      | 7.93 | --  |           | 10              |
| 1,1-Dichloroethane                                   | ND      | 2.00 | --  | ND      | 8.09 | --  |           | 10              |
| Methyl tert butyl ether                              | ND      | 2.00 | --  | ND      | 7.21 | --  |           | 10              |
| Vinyl acetate                                        | ND      | 2.00 | --  | ND      | 7.04 | --  |           | 10              |
| 2-Butanone                                           | 15.0    | 2.00 | --  | 44.2    | 5.90 | --  |           | 10              |
| cis-1,2-Dichloroethene                               | ND      | 2.00 | --  | ND      | 7.93 | --  |           | 10              |



**Project Name:** 264 N. 10TH ST**Lab Number:** L1113734**Project Number:** Not Specified**Report Date:** 09/09/11**SAMPLE RESULTS**

Lab ID: L1113734-01 D

Date Collected: 08/31/11 13:15

Client ID: SG-1

Date Received: 08/31/11

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

| Parameter                                            | ppbV    |      |     | ug/m3   |      |     | Qualifier | Dilution Factor |
|------------------------------------------------------|---------|------|-----|---------|------|-----|-----------|-----------------|
|                                                      | Results | RL   | MDL | Results | RL   | MDL |           |                 |
| Volatile Organics in Air (Low Level) - Mansfield Lab |         |      |     |         |      |     |           |                 |
| Ethyl Acetate                                        | ND      | 5.00 | --  | ND      | 18.0 | --  |           | 10              |
| Chloroform                                           | ND      | 2.00 | --  | ND      | 9.77 | --  |           | 10              |
| Tetrahydrofuran                                      | ND      | 2.00 | --  | ND      | 5.90 | --  |           | 10              |
| 1,2-Dichloroethane                                   | ND      | 2.00 | --  | ND      | 8.09 | --  |           | 10              |
| n-Hexane                                             | 31.2    | 2.00 | --  | 110     | 7.05 | --  |           | 10              |
| 1,1,1-Trichloroethane                                | ND      | 2.00 | --  | ND      | 10.9 | --  |           | 10              |
| Benzene                                              | 14.3    | 2.00 | --  | 45.7    | 6.39 | --  |           | 10              |
| Carbon tetrachloride                                 | ND      | 2.00 | --  | ND      | 12.6 | --  |           | 10              |
| Cyclohexane                                          | ND      | 2.00 | --  | ND      | 6.88 | --  |           | 10              |
| 1,2-Dichloropropane                                  | ND      | 2.00 | --  | ND      | 9.24 | --  |           | 10              |
| Bromodichloromethane                                 | ND      | 2.00 | --  | ND      | 13.4 | --  |           | 10              |
| 1,4-Dioxane                                          | ND      | 2.00 | --  | ND      | 7.21 | --  |           | 10              |
| Trichloroethene                                      | ND      | 2.00 | --  | ND      | 10.7 | --  |           | 10              |
| 2,2,4-Trimethylpentane                               | ND      | 2.00 | --  | ND      | 9.34 | --  |           | 10              |
| Heptane                                              | 16.4    | 2.00 | --  | 67.2    | 8.20 | --  |           | 10              |
| cis-1,3-Dichloropropene                              | ND      | 2.00 | --  | ND      | 9.08 | --  |           | 10              |
| 4-Methyl-2-pentanone                                 | 4.45    | 2.00 | --  | 18.2    | 8.20 | --  |           | 10              |
| trans-1,3-Dichloropropene                            | ND      | 2.00 | --  | ND      | 9.08 | --  |           | 10              |
| 1,1,2-Trichloroethane                                | ND      | 2.00 | --  | ND      | 10.9 | --  |           | 10              |
| Toluene                                              | 118     | 2.00 | --  | 445     | 7.54 | --  |           | 10              |
| 2-Hexanone                                           | ND      | 2.00 | --  | ND      | 8.20 | --  |           | 10              |
| Dibromochloromethane                                 | ND      | 2.00 | --  | ND      | 17.0 | --  |           | 10              |
| 1,2-Dibromoethane                                    | ND      | 2.00 | --  | ND      | 15.4 | --  |           | 10              |
| Tetrachloroethene                                    | 9.12    | 2.00 | --  | 61.8    | 13.6 | --  |           | 10              |
| Chlorobenzene                                        | ND      | 2.00 | --  | ND      | 9.21 | --  |           | 10              |
| Ethylbenzene                                         | 14.0    | 2.00 | --  | 60.8    | 8.69 | --  |           | 10              |
| p/m-Xylene                                           | 60.1    | 4.00 | --  | 261     | 17.4 | --  |           | 10              |



**Project Name:** 264 N. 10TH ST**Lab Number:** L1113734**Project Number:** Not Specified**Report Date:** 09/09/11**SAMPLE RESULTS**

Lab ID: L1113734-01 D

Date Collected: 08/31/11 13:15

Client ID: SG-1

Date Received: 08/31/11

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

| Parameter                                            | ppbV    |      |     | ug/m3   |      |     | Qualifier | Dilution Factor |
|------------------------------------------------------|---------|------|-----|---------|------|-----|-----------|-----------------|
|                                                      | Results | RL   | MDL | Results | RL   | MDL |           |                 |
| Volatile Organics in Air (Low Level) - Mansfield Lab |         |      |     |         |      |     |           |                 |
| Bromoform                                            | ND      | 2.00 | --  | ND      | 20.7 | --  |           | 10              |
| Styrene                                              | ND      | 2.00 | --  | ND      | 8.52 | --  |           | 10              |
| 1,1,2,2-Tetrachloroethane                            | ND      | 2.00 | --  | ND      | 13.7 | --  |           | 10              |
| o-Xylene                                             | 11.0    | 2.00 | --  | 47.8    | 8.69 | --  |           | 10              |
| 4-Ethyltoluene                                       | 5.26    | 2.00 | --  | 25.8    | 9.83 | --  |           | 10              |
| 1,3,5-Trimethylbenzene                               | 3.14    | 2.00 | --  | 15.4    | 9.83 | --  |           | 10              |
| 1,2,4-Trimethylbenzene                               | 8.97    | 2.00 | --  | 44.1    | 9.83 | --  |           | 10              |
| Benzyl chloride                                      | ND      | 2.00 | --  | ND      | 10.4 | --  |           | 10              |
| 1,3-Dichlorobenzene                                  | ND      | 2.00 | --  | ND      | 12.0 | --  |           | 10              |
| 1,4-Dichlorobenzene                                  | ND      | 2.00 | --  | ND      | 12.0 | --  |           | 10              |
| 1,2-Dichlorobenzene                                  | ND      | 2.00 | --  | ND      | 12.0 | --  |           | 10              |
| 1,2,4-Trichlorobenzene                               | ND      | 2.00 | --  | ND      | 14.8 | --  |           | 10              |
| Hexachlorobutadiene                                  | ND      | 2.00 | --  | ND      | 21.3 | --  |           | 10              |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 86         |           | 60-140              |
| Bromochloromethane  | 123        |           | 60-140              |
| chlorobenzene-d5    | 84         |           | 60-140              |

**Project Name:** 264 N. 10TH ST**Lab Number:** L1113734**Project Number:** Not Specified**Report Date:** 09/09/11**SAMPLE RESULTS**

Lab ID: L1113734-02 D  
 Client ID: SG-2  
 Sample Location: BROOKLYN, NY  
 Matrix: Soil\_Vapor  
 Analytical Method: 48,TO-15  
 Analytical Date: 09/08/11 23:10  
 Analyst: RY

Date Collected: 08/31/11 13:02  
 Date Received: 08/31/11  
 Field Prep: Not Specified

| Parameter                                            | ppbV    |      |     | ug/m3   |      |     | Qualifier | Dilution Factor |
|------------------------------------------------------|---------|------|-----|---------|------|-----|-----------|-----------------|
|                                                      | Results | RL   | MDL | Results | RL   | MDL |           |                 |
| Volatile Organics in Air (Low Level) - Mansfield Lab |         |      |     |         |      |     |           |                 |
| Propylene                                            | 310     | 5.00 | --  | 534     | 8.60 | --  |           | 10              |
| Dichlorodifluoromethane                              | ND      | 2.00 | --  | ND      | 9.89 | --  |           | 10              |
| Chloromethane                                        | ND      | 2.00 | --  | ND      | 4.13 | --  |           | 10              |
| Freon-114                                            | ND      | 2.00 | --  | ND      | 14.0 | --  |           | 10              |
| Vinyl chloride                                       | ND      | 2.00 | --  | ND      | 5.11 | --  |           | 10              |
| 1,3-Butadiene                                        | 12.4    | 2.00 | --  | 27.4    | 4.42 | --  |           | 10              |
| Bromomethane                                         | ND      | 2.00 | --  | ND      | 7.77 | --  |           | 10              |
| Chloroethane                                         | ND      | 2.00 | --  | ND      | 5.28 | --  |           | 10              |
| Ethanol                                              | 83.5    | 25.0 | --  | 157     | 47.1 | --  |           | 10              |
| Vinyl bromide                                        | ND      | 2.00 | --  | ND      | 8.74 | --  |           | 10              |
| Acetone                                              | 563     | 10.0 | --  | 1340    | 23.8 | --  |           | 10              |
| Trichlorofluoromethane                               | ND      | 2.00 | --  | ND      | 11.2 | --  |           | 10              |
| Isopropanol                                          | ND      | 5.00 | --  | ND      | 12.3 | --  |           | 10              |
| 1,1-Dichloroethene                                   | ND      | 2.00 | --  | ND      | 7.93 | --  |           | 10              |
| Methylene chloride                                   | ND      | 10.0 | --  | ND      | 34.7 | --  |           | 10              |
| 3-Chloropropene                                      | ND      | 2.00 | --  | ND      | 6.26 | --  |           | 10              |
| Carbon disulfide                                     | 10.1    | 2.00 | --  | 31.4    | 6.23 | --  |           | 10              |
| Freon-113                                            | ND      | 2.00 | --  | ND      | 15.3 | --  |           | 10              |
| trans-1,2-Dichloroethene                             | ND      | 2.00 | --  | ND      | 7.93 | --  |           | 10              |
| 1,1-Dichloroethane                                   | ND      | 2.00 | --  | ND      | 8.09 | --  |           | 10              |
| Methyl tert butyl ether                              | ND      | 2.00 | --  | ND      | 7.21 | --  |           | 10              |
| Vinyl acetate                                        | ND      | 2.00 | --  | ND      | 7.04 | --  |           | 10              |
| 2-Butanone                                           | 26.2    | 2.00 | --  | 77.3    | 5.90 | --  |           | 10              |
| cis-1,2-Dichloroethene                               | ND      | 2.00 | --  | ND      | 7.93 | --  |           | 10              |



**Project Name:** 264 N. 10TH ST**Lab Number:** L1113734**Project Number:** Not Specified**Report Date:** 09/09/11**SAMPLE RESULTS**

Lab ID: L1113734-02 D

Date Collected: 08/31/11 13:02

Client ID: SG-2

Date Received: 08/31/11

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

| Parameter                                            | ppbV    |      |     | ug/m3   |      |     | Qualifier | Dilution Factor |
|------------------------------------------------------|---------|------|-----|---------|------|-----|-----------|-----------------|
|                                                      | Results | RL   | MDL | Results | RL   | MDL |           |                 |
| Volatile Organics in Air (Low Level) - Mansfield Lab |         |      |     |         |      |     |           |                 |
| Ethyl Acetate                                        | ND      | 5.00 | --  | ND      | 18.0 | --  |           | 10              |
| Chloroform                                           | ND      | 2.00 | --  | ND      | 9.77 | --  |           | 10              |
| Tetrahydrofuran                                      | 2.78    | 2.00 | --  | 8.20    | 5.90 | --  |           | 10              |
| 1,2-Dichloroethane                                   | ND      | 2.00 | --  | ND      | 8.09 | --  |           | 10              |
| n-Hexane                                             | 309     | 2.00 | --  | 1090    | 7.05 | --  |           | 10              |
| 1,1,1-Trichloroethane                                | ND      | 2.00 | --  | ND      | 10.9 | --  |           | 10              |
| Benzene                                              | 130     | 2.00 | --  | 415     | 6.39 | --  |           | 10              |
| Carbon tetrachloride                                 | ND      | 2.00 | --  | ND      | 12.6 | --  |           | 10              |
| Cyclohexane                                          | 253     | 2.00 | --  | 871     | 6.88 | --  |           | 10              |
| 1,2-Dichloropropane                                  | ND      | 2.00 | --  | ND      | 9.24 | --  |           | 10              |
| Bromodichloromethane                                 | ND      | 2.00 | --  | ND      | 13.4 | --  |           | 10              |
| 1,4-Dioxane                                          | ND      | 2.00 | --  | ND      | 7.21 | --  |           | 10              |
| Trichloroethene                                      | ND      | 2.00 | --  | ND      | 10.7 | --  |           | 10              |
| 2,2,4-Trimethylpentane                               | ND      | 2.00 | --  | ND      | 9.34 | --  |           | 10              |
| Heptane                                              | 520     | 2.00 | --  | 2130    | 8.20 | --  |           | 10              |
| cis-1,3-Dichloropropene                              | ND      | 2.00 | --  | ND      | 9.08 | --  |           | 10              |
| 4-Methyl-2-pentanone                                 | ND      | 2.00 | --  | ND      | 8.20 | --  |           | 10              |
| trans-1,3-Dichloropropene                            | ND      | 2.00 | --  | ND      | 9.08 | --  |           | 10              |
| 1,1,2-Trichloroethane                                | ND      | 2.00 | --  | ND      | 10.9 | --  |           | 10              |
| Toluene                                              | 1960    | 2.00 | --  | 7390    | 7.54 | --  | E         | 10              |
| 2-Hexanone                                           | ND      | 2.00 | --  | ND      | 8.20 | --  |           | 10              |
| Dibromochloromethane                                 | ND      | 2.00 | --  | ND      | 17.0 | --  |           | 10              |
| 1,2-Dibromoethane                                    | ND      | 2.00 | --  | ND      | 15.4 | --  |           | 10              |
| Tetrachloroethene                                    | 5.08    | 2.00 | --  | 34.4    | 13.6 | --  |           | 10              |
| Chlorobenzene                                        | ND      | 2.00 | --  | ND      | 9.21 | --  |           | 10              |
| Ethylbenzene                                         | 30.2    | 2.00 | --  | 131     | 8.69 | --  |           | 10              |
| p/m-Xylene                                           | 100     | 4.00 | --  | 434     | 17.4 | --  |           | 10              |

**Project Name:** 264 N. 10TH ST**Lab Number:** L1113734**Project Number:** Not Specified**Report Date:** 09/09/11**SAMPLE RESULTS**

Lab ID: L1113734-02 D

Date Collected: 08/31/11 13:02

Client ID: SG-2

Date Received: 08/31/11

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

| Parameter                                            | ppbV    |      |     | ug/m3   |      |     | Qualifier | Dilution Factor |
|------------------------------------------------------|---------|------|-----|---------|------|-----|-----------|-----------------|
|                                                      | Results | RL   | MDL | Results | RL   | MDL |           |                 |
| Volatile Organics in Air (Low Level) - Mansfield Lab |         |      |     |         |      |     |           |                 |
| Bromoform                                            | ND      | 2.00 | --  | ND      | 20.7 | --  |           | 10              |
| Styrene                                              | ND      | 2.00 | --  | ND      | 8.52 | --  |           | 10              |
| 1,1,2,2-Tetrachloroethane                            | ND      | 2.00 | --  | ND      | 13.7 | --  |           | 10              |
| o-Xylene                                             | 18.3    | 2.00 | --  | 79.5    | 8.69 | --  |           | 10              |
| 4-Ethyltoluene                                       | ND      | 2.00 | --  | ND      | 9.83 | --  |           | 10              |
| 1,3,5-Trimethylbenzene                               | ND      | 2.00 | --  | ND      | 9.83 | --  |           | 10              |
| 1,2,4-Trimethylbenzene                               | ND      | 2.00 | --  | ND      | 9.83 | --  |           | 10              |
| Benzyl chloride                                      | ND      | 2.00 | --  | ND      | 10.4 | --  |           | 10              |
| 1,3-Dichlorobenzene                                  | ND      | 2.00 | --  | ND      | 12.0 | --  |           | 10              |
| 1,4-Dichlorobenzene                                  | ND      | 2.00 | --  | ND      | 12.0 | --  |           | 10              |
| 1,2-Dichlorobenzene                                  | ND      | 2.00 | --  | ND      | 12.0 | --  |           | 10              |
| 1,2,4-Trichlorobenzene                               | ND      | 2.00 | --  | ND      | 14.8 | --  |           | 10              |
| Hexachlorobutadiene                                  | ND      | 2.00 | --  | ND      | 21.3 | --  |           | 10              |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 97         |           | 60-140              |
| Bromochloromethane  | 132        |           | 60-140              |
| chlorobenzene-d5    | 110        |           | 60-140              |

**Project Name:** 264 N. 10TH ST**Lab Number:** L1113734**Project Number:** Not Specified**Report Date:** 09/09/11**SAMPLE RESULTS**

Lab ID: L1113734-02 D2

Date Collected: 08/31/11 13:02

Client ID: SG-2

Date Received: 08/31/11

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

Matrix: Soil\_Vapor

Analytical Method: 48,TO-15

Analytical Date: 09/09/11 10:32

Analyst: RY

| Parameter                                            | ppbV    |      |     | ug/m3   |      |     | Qualifier | Dilution Factor |
|------------------------------------------------------|---------|------|-----|---------|------|-----|-----------|-----------------|
|                                                      | Results | RL   | MDL | Results | RL   | MDL |           |                 |
| Volatile Organics in Air (Low Level) - Mansfield Lab |         |      |     |         |      |     |           |                 |
| Toluene                                              | 2250    | 6.26 | --  | 8480    | 23.6 | --  |           | 31.31           |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 84         |           | 60-140              |
| Bromochloromethane  | 120        |           | 60-140              |
| chlorobenzene-d5    | 81         |           | 60-140              |

**Project Name:** 264 N. 10TH ST**Lab Number:** L1113734**Project Number:** Not Specified**Report Date:** 09/09/11**SAMPLE RESULTS**

Lab ID: L1113734-03 D  
 Client ID: SG-3  
 Sample Location: BROOKLYN, NY  
 Matrix: Soil\_Vapor  
 Analytical Method: 48,TO-15  
 Analytical Date: 09/08/11 23:43  
 Analyst: RY

Date Collected: 08/31/11 12:46  
 Date Received: 08/31/11  
 Field Prep: Not Specified

| Parameter                                            | ppbV    |      |     | ug/m3   |      |     | Qualifier | Dilution Factor |
|------------------------------------------------------|---------|------|-----|---------|------|-----|-----------|-----------------|
|                                                      | Results | RL   | MDL | Results | RL   | MDL |           |                 |
| Volatile Organics in Air (Low Level) - Mansfield Lab |         |      |     |         |      |     |           |                 |
| Propylene                                            | 34.7    | 5.00 | --  | 59.7    | 8.60 | --  |           | 10              |
| Dichlorodifluoromethane                              | ND      | 2.00 | --  | ND      | 9.89 | --  |           | 10              |
| Chloromethane                                        | ND      | 2.00 | --  | ND      | 4.13 | --  |           | 10              |
| Freon-114                                            | ND      | 2.00 | --  | ND      | 14.0 | --  |           | 10              |
| Vinyl chloride                                       | ND      | 2.00 | --  | ND      | 5.11 | --  |           | 10              |
| 1,3-Butadiene                                        | 2.11    | 2.00 | --  | 4.67    | 4.42 | --  |           | 10              |
| Bromomethane                                         | ND      | 2.00 | --  | ND      | 7.77 | --  |           | 10              |
| Chloroethane                                         | ND      | 2.00 | --  | ND      | 5.28 | --  |           | 10              |
| Ethanol                                              | 158     | 25.0 | --  | 298     | 47.1 | --  |           | 10              |
| Vinyl bromide                                        | ND      | 2.00 | --  | ND      | 8.74 | --  |           | 10              |
| Acetone                                              | 330     | 10.0 | --  | 784     | 23.8 | --  |           | 10              |
| Trichlorofluoromethane                               | ND      | 2.00 | --  | ND      | 11.2 | --  |           | 10              |
| Isopropanol                                          | ND      | 5.00 | --  | ND      | 12.3 | --  |           | 10              |
| 1,1-Dichloroethene                                   | ND      | 2.00 | --  | ND      | 7.93 | --  |           | 10              |
| Methylene chloride                                   | ND      | 10.0 | --  | ND      | 34.7 | --  |           | 10              |
| 3-Chloropropene                                      | ND      | 2.00 | --  | ND      | 6.26 | --  |           | 10              |
| Carbon disulfide                                     | ND      | 2.00 | --  | ND      | 6.23 | --  |           | 10              |
| Freon-113                                            | ND      | 2.00 | --  | ND      | 15.3 | --  |           | 10              |
| trans-1,2-Dichloroethene                             | ND      | 2.00 | --  | ND      | 7.93 | --  |           | 10              |
| 1,1-Dichloroethane                                   | ND      | 2.00 | --  | ND      | 8.09 | --  |           | 10              |
| Methyl tert butyl ether                              | ND      | 2.00 | --  | ND      | 7.21 | --  |           | 10              |
| Vinyl acetate                                        | ND      | 2.00 | --  | ND      | 7.04 | --  |           | 10              |
| 2-Butanone                                           | 4.48    | 2.00 | --  | 13.2    | 5.90 | --  |           | 10              |
| cis-1,2-Dichloroethene                               | ND      | 2.00 | --  | ND      | 7.93 | --  |           | 10              |



**Project Name:** 264 N. 10TH ST**Lab Number:** L1113734**Project Number:** Not Specified**Report Date:** 09/09/11**SAMPLE RESULTS**

Lab ID: L1113734-03 D

Date Collected: 08/31/11 12:46

Client ID: SG-3

Date Received: 08/31/11

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

| Parameter                                            | ppbV    |      |     | ug/m3   |      |     | Qualifier | Dilution Factor |
|------------------------------------------------------|---------|------|-----|---------|------|-----|-----------|-----------------|
|                                                      | Results | RL   | MDL | Results | RL   | MDL |           |                 |
| Volatile Organics in Air (Low Level) - Mansfield Lab |         |      |     |         |      |     |           |                 |
| Ethyl Acetate                                        | ND      | 5.00 | --  | ND      | 18.0 | --  |           | 10              |
| Chloroform                                           | ND      | 2.00 | --  | ND      | 9.77 | --  |           | 10              |
| Tetrahydrofuran                                      | ND      | 2.00 | --  | ND      | 5.90 | --  |           | 10              |
| 1,2-Dichloroethane                                   | ND      | 2.00 | --  | ND      | 8.09 | --  |           | 10              |
| n-Hexane                                             | 39.1    | 2.00 | --  | 138     | 7.05 | --  |           | 10              |
| 1,1,1-Trichloroethane                                | ND      | 2.00 | --  | ND      | 10.9 | --  |           | 10              |
| Benzene                                              | 16.1    | 2.00 | --  | 51.4    | 6.39 | --  |           | 10              |
| Carbon tetrachloride                                 | ND      | 2.00 | --  | ND      | 12.6 | --  |           | 10              |
| Cyclohexane                                          | 2.91    | 2.00 | --  | 10.0    | 6.88 | --  |           | 10              |
| 1,2-Dichloropropane                                  | ND      | 2.00 | --  | ND      | 9.24 | --  |           | 10              |
| Bromodichloromethane                                 | ND      | 2.00 | --  | ND      | 13.4 | --  |           | 10              |
| 1,4-Dioxane                                          | ND      | 2.00 | --  | ND      | 7.21 | --  |           | 10              |
| Trichloroethene                                      | 20.2    | 2.00 | --  | 108     | 10.7 | --  |           | 10              |
| 2,2,4-Trimethylpentane                               | 2.94    | 2.00 | --  | 13.7    | 9.34 | --  |           | 10              |
| Heptane                                              | 16.8    | 2.00 | --  | 68.8    | 8.20 | --  |           | 10              |
| cis-1,3-Dichloropropene                              | ND      | 2.00 | --  | ND      | 9.08 | --  |           | 10              |
| 4-Methyl-2-pentanone                                 | 22.1    | 2.00 | --  | 90.6    | 8.20 | --  |           | 10              |
| trans-1,3-Dichloropropene                            | ND      | 2.00 | --  | ND      | 9.08 | --  |           | 10              |
| 1,1,2-Trichloroethane                                | ND      | 2.00 | --  | ND      | 10.9 | --  |           | 10              |
| Toluene                                              | 118     | 2.00 | --  | 445     | 7.54 | --  |           | 10              |
| 2-Hexanone                                           | ND      | 2.00 | --  | ND      | 8.20 | --  |           | 10              |
| Dibromochloromethane                                 | ND      | 2.00 | --  | ND      | 17.0 | --  |           | 10              |
| 1,2-Dibromoethane                                    | ND      | 2.00 | --  | ND      | 15.4 | --  |           | 10              |
| Tetrachloroethene                                    | 12.7    | 2.00 | --  | 86.1    | 13.6 | --  |           | 10              |
| Chlorobenzene                                        | ND      | 2.00 | --  | ND      | 9.21 | --  |           | 10              |
| Ethylbenzene                                         | 11.3    | 2.00 | --  | 49.1    | 8.69 | --  |           | 10              |
| p/m-Xylene                                           | 45.5    | 4.00 | --  | 198     | 17.4 | --  |           | 10              |

**Project Name:** 264 N. 10TH ST**Lab Number:** L1113734**Project Number:** Not Specified**Report Date:** 09/09/11**SAMPLE RESULTS**

Lab ID: L1113734-03 D

Date Collected: 08/31/11 12:46

Client ID: SG-3

Date Received: 08/31/11

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

| Parameter                                            | ppbV    |      |     | ug/m3   |      |     | Qualifier | Dilution Factor |
|------------------------------------------------------|---------|------|-----|---------|------|-----|-----------|-----------------|
|                                                      | Results | RL   | MDL | Results | RL   | MDL |           |                 |
| Volatile Organics in Air (Low Level) - Mansfield Lab |         |      |     |         |      |     |           |                 |
| Bromoform                                            | ND      | 2.00 | --  | ND      | 20.7 | --  |           | 10              |
| Styrene                                              | ND      | 2.00 | --  | ND      | 8.52 | --  |           | 10              |
| 1,1,2,2-Tetrachloroethane                            | ND      | 2.00 | --  | ND      | 13.7 | --  |           | 10              |
| o-Xylene                                             | 7.89    | 2.00 | --  | 34.3    | 8.69 | --  |           | 10              |
| 4-Ethyltoluene                                       | 3.04    | 2.00 | --  | 14.9    | 9.83 | --  |           | 10              |
| 1,3,5-Trimethylbenzene                               | ND      | 2.00 | --  | ND      | 9.83 | --  |           | 10              |
| 1,2,4-Trimethylbenzene                               | 3.46    | 2.00 | --  | 17.0    | 9.83 | --  |           | 10              |
| Benzyl chloride                                      | ND      | 2.00 | --  | ND      | 10.4 | --  |           | 10              |
| 1,3-Dichlorobenzene                                  | ND      | 2.00 | --  | ND      | 12.0 | --  |           | 10              |
| 1,4-Dichlorobenzene                                  | ND      | 2.00 | --  | ND      | 12.0 | --  |           | 10              |
| 1,2-Dichlorobenzene                                  | ND      | 2.00 | --  | ND      | 12.0 | --  |           | 10              |
| 1,2,4-Trichlorobenzene                               | ND      | 2.00 | --  | ND      | 14.8 | --  |           | 10              |
| Hexachlorobutadiene                                  | ND      | 2.00 | --  | ND      | 21.3 | --  |           | 10              |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 91         |           | 60-140              |
| Bromochloromethane  | 128        |           | 60-140              |
| chlorobenzene-d5    | 89         |           | 60-140              |



**Project Name:** 264 N. 10TH ST**Lab Number:** L1113734**Project Number:** Not Specified**Report Date:** 09/09/11**SAMPLE RESULTS**

Lab ID: L1113734-04  
 Client ID: AA-1  
 Sample Location: BROOKLYN, NY  
 Matrix: Air  
 Analytical Method: 48,TO-15  
 Analytical Date: 09/08/11 19:08  
 Analyst: RY

Date Collected: 08/31/11 13:00  
 Date Received: 08/31/11  
 Field Prep: Not Specified

| Parameter                                            | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|------------------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                                      | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air (Low Level) - Mansfield Lab |         |       |     |         |       |     |           |                 |
| Propylene                                            | ND      | 0.500 | --  | ND      | 0.860 | --  |           | 1               |
| Dichlorodifluoromethane                              | 0.559   | 0.200 | --  | 2.76    | 0.989 | --  |           | 1               |
| Chloromethane                                        | 0.615   | 0.200 | --  | 1.27    | 0.413 | --  |           | 1               |
| Freon-114                                            | ND      | 0.200 | --  | ND      | 1.40  | --  |           | 1               |
| Vinyl chloride                                       | ND      | 0.200 | --  | ND      | 0.511 | --  |           | 1               |
| 1,3-Butadiene                                        | ND      | 0.200 | --  | ND      | 0.442 | --  |           | 1               |
| Bromomethane                                         | ND      | 0.200 | --  | ND      | 0.777 | --  |           | 1               |
| Chloroethane                                         | ND      | 0.200 | --  | ND      | 0.528 | --  |           | 1               |
| Ethanol                                              | 6.78    | 2.50  | --  | 12.8    | 4.71  | --  |           | 1               |
| Vinyl bromide                                        | ND      | 0.200 | --  | ND      | 0.874 | --  |           | 1               |
| Acetone                                              | 9.02    | 1.00  | --  | 21.4    | 2.38  | --  |           | 1               |
| Trichlorofluoromethane                               | 0.292   | 0.200 | --  | 1.64    | 1.12  | --  |           | 1               |
| Isopropanol                                          | 0.609   | 0.500 | --  | 1.50    | 1.23  | --  |           | 1               |
| 1,1-Dichloroethene                                   | ND      | 0.200 | --  | ND      | 0.793 | --  |           | 1               |
| Methylene chloride                                   | 5.42    | 1.00  | --  | 18.8    | 3.47  | --  |           | 1               |
| 3-Chloropropene                                      | ND      | 0.200 | --  | ND      | 0.626 | --  |           | 1               |
| Carbon disulfide                                     | ND      | 0.200 | --  | ND      | 0.623 | --  |           | 1               |
| Freon-113                                            | ND      | 0.200 | --  | ND      | 1.53  | --  |           | 1               |
| trans-1,2-Dichloroethene                             | ND      | 0.200 | --  | ND      | 0.793 | --  |           | 1               |
| 1,1-Dichloroethane                                   | ND      | 0.200 | --  | ND      | 0.809 | --  |           | 1               |
| Methyl tert butyl ether                              | ND      | 0.200 | --  | ND      | 0.721 | --  |           | 1               |
| Vinyl acetate                                        | ND      | 0.200 | --  | ND      | 0.704 | --  |           | 1               |
| 2-Butanone                                           | 0.913   | 0.200 | --  | 2.69    | 0.590 | --  |           | 1               |
| cis-1,2-Dichloroethene                               | ND      | 0.200 | --  | ND      | 0.793 | --  |           | 1               |



**Project Name:** 264 N. 10TH ST**Lab Number:** L1113734**Project Number:** Not Specified**Report Date:** 09/09/11**SAMPLE RESULTS**

Lab ID: L1113734-04  
 Client ID: AA-1  
 Sample Location: BROOKLYN, NY

Date Collected: 08/31/11 13:00  
 Date Received: 08/31/11  
 Field Prep: Not Specified

| Parameter                                            | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|------------------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                                      | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air (Low Level) - Mansfield Lab |         |       |     |         |       |     |           |                 |
| Ethyl Acetate                                        | ND      | 0.500 | --  | ND      | 1.80  | --  |           | 1               |
| Chloroform                                           | ND      | 0.200 | --  | ND      | 0.977 | --  |           | 1               |
| Tetrahydrofuran                                      | ND      | 0.200 | --  | ND      | 0.590 | --  |           | 1               |
| 1,2-Dichloroethane                                   | ND      | 0.200 | --  | ND      | 0.809 | --  |           | 1               |
| n-Hexane                                             | 0.249   | 0.200 | --  | 0.878   | 0.705 | --  |           | 1               |
| 1,1,1-Trichloroethane                                | ND      | 0.200 | --  | ND      | 1.09  | --  |           | 1               |
| Benzene                                              | ND      | 0.200 | --  | ND      | 0.639 | --  |           | 1               |
| Carbon tetrachloride                                 | ND      | 0.200 | --  | ND      | 1.26  | --  |           | 1               |
| Cyclohexane                                          | ND      | 0.200 | --  | ND      | 0.688 | --  |           | 1               |
| 1,2-Dichloropropane                                  | ND      | 0.200 | --  | ND      | 0.924 | --  |           | 1               |
| Bromodichloromethane                                 | ND      | 0.200 | --  | ND      | 1.34  | --  |           | 1               |
| 1,4-Dioxane                                          | ND      | 0.200 | --  | ND      | 0.721 | --  |           | 1               |
| Trichloroethene                                      | ND      | 0.200 | --  | ND      | 1.07  | --  |           | 1               |
| 2,2,4-Trimethylpentane                               | ND      | 0.200 | --  | ND      | 0.934 | --  |           | 1               |
| Heptane                                              | ND      | 0.200 | --  | ND      | 0.820 | --  |           | 1               |
| cis-1,3-Dichloropropene                              | ND      | 0.200 | --  | ND      | 0.908 | --  |           | 1               |
| 4-Methyl-2-pentanone                                 | ND      | 0.200 | --  | ND      | 0.820 | --  |           | 1               |
| trans-1,3-Dichloropropene                            | ND      | 0.200 | --  | ND      | 0.908 | --  |           | 1               |
| 1,1,2-Trichloroethane                                | ND      | 0.200 | --  | ND      | 1.09  | --  |           | 1               |
| Toluene                                              | 0.991   | 0.200 | --  | 3.73    | 0.754 | --  |           | 1               |
| 2-Hexanone                                           | ND      | 0.200 | --  | ND      | 0.820 | --  |           | 1               |
| Dibromochloromethane                                 | ND      | 0.200 | --  | ND      | 1.70  | --  |           | 1               |
| 1,2-Dibromoethane                                    | ND      | 0.200 | --  | ND      | 1.54  | --  |           | 1               |
| Tetrachloroethene                                    | ND      | 0.200 | --  | ND      | 1.36  | --  |           | 1               |
| Chlorobenzene                                        | ND      | 0.200 | --  | ND      | 0.921 | --  |           | 1               |
| Ethylbenzene                                         | ND      | 0.200 | --  | ND      | 0.869 | --  |           | 1               |
| p/m-Xylene                                           | ND      | 0.400 | --  | ND      | 1.74  | --  |           | 1               |



**Project Name:** 264 N. 10TH ST**Lab Number:** L1113734**Project Number:** Not Specified**Report Date:** 09/09/11**SAMPLE RESULTS**

Lab ID: L1113734-04

Date Collected: 08/31/11 13:00

Client ID: AA-1

Date Received: 08/31/11

Sample Location: BROOKLYN, NY

Field Prep: Not Specified

| Parameter                                            | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|------------------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                                      | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air (Low Level) - Mansfield Lab |         |       |     |         |       |     |           |                 |
| Bromoform                                            | ND      | 0.200 | --  | ND      | 2.07  | --  |           | 1               |
| Styrene                                              | ND      | 0.200 | --  | ND      | 0.852 | --  |           | 1               |
| 1,1,2,2-Tetrachloroethane                            | ND      | 0.200 | --  | ND      | 1.37  | --  |           | 1               |
| o-Xylene                                             | ND      | 0.200 | --  | ND      | 0.869 | --  |           | 1               |
| 4-Ethyltoluene                                       | ND      | 0.200 | --  | ND      | 0.983 | --  |           | 1               |
| 1,3,5-Trimethylbenzene                               | ND      | 0.200 | --  | ND      | 0.983 | --  |           | 1               |
| 1,2,4-Trimethylbenzene                               | ND      | 0.200 | --  | ND      | 0.983 | --  |           | 1               |
| Benzyl chloride                                      | ND      | 0.200 | --  | ND      | 1.04  | --  |           | 1               |
| 1,3-Dichlorobenzene                                  | ND      | 0.200 | --  | ND      | 1.20  | --  |           | 1               |
| 1,4-Dichlorobenzene                                  | ND      | 0.200 | --  | ND      | 1.20  | --  |           | 1               |
| 1,2-Dichlorobenzene                                  | ND      | 0.200 | --  | ND      | 1.20  | --  |           | 1               |
| 1,2,4-Trichlorobenzene                               | ND      | 0.200 | --  | ND      | 1.48  | --  |           | 1               |
| Hexachlorobutadiene                                  | ND      | 0.200 | --  | ND      | 2.13  | --  |           | 1               |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 92         |           | 60-140              |
| Bromochloromethane  | 95         |           | 60-140              |
| chlorobenzene-d5    | 89         |           | 60-140              |



Project Name: 264 N. 10TH ST

Lab Number: L1113734

Project Number: Not Specified

Report Date: 09/09/11

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 09/08/11 18:05

| Parameter                                                                                   | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|---------------------------------------------------------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                                                                             | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air (Low Level) - Mansfield Lab for sample(s): 01-04 Batch: WG488853-4 |         |       |     |         |       |     |           |                 |
| Propylene                                                                                   | ND      | 0.500 | --  | ND      | 0.860 | --  |           | 1               |
| Dichlorodifluoromethane                                                                     | ND      | 0.200 | --  | ND      | 0.989 | --  |           | 1               |
| Chloromethane                                                                               | ND      | 0.200 | --  | ND      | 0.413 | --  |           | 1               |
| Freon-114                                                                                   | ND      | 0.200 | --  | ND      | 1.40  | --  |           | 1               |
| Vinyl chloride                                                                              | ND      | 0.200 | --  | ND      | 0.511 | --  |           | 1               |
| 1,3-Butadiene                                                                               | ND      | 0.200 | --  | ND      | 0.442 | --  |           | 1               |
| Bromomethane                                                                                | ND      | 0.200 | --  | ND      | 0.777 | --  |           | 1               |
| Chloroethane                                                                                | ND      | 0.200 | --  | ND      | 0.528 | --  |           | 1               |
| Ethanol                                                                                     | ND      | 2.50  | --  | ND      | 4.71  | --  |           | 1               |
| Vinyl bromide                                                                               | ND      | 0.200 | --  | ND      | 0.874 | --  |           | 1               |
| Acetone                                                                                     | ND      | 1.00  | --  | ND      | 2.38  | --  |           | 1               |
| Trichlorofluoromethane                                                                      | ND      | 0.200 | --  | ND      | 1.12  | --  |           | 1               |
| Isopropanol                                                                                 | ND      | 0.500 | --  | ND      | 1.23  | --  |           | 1               |
| 1,1-Dichloroethene                                                                          | ND      | 0.200 | --  | ND      | 0.793 | --  |           | 1               |
| Methylene chloride                                                                          | ND      | 1.00  | --  | ND      | 3.47  | --  |           | 1               |
| 3-Chloropropene                                                                             | ND      | 0.200 | --  | ND      | 0.626 | --  |           | 1               |
| Carbon disulfide                                                                            | ND      | 0.200 | --  | ND      | 0.623 | --  |           | 1               |
| Freon-113                                                                                   | ND      | 0.200 | --  | ND      | 1.53  | --  |           | 1               |
| trans-1,2-Dichloroethene                                                                    | ND      | 0.200 | --  | ND      | 0.793 | --  |           | 1               |
| 1,1-Dichloroethane                                                                          | ND      | 0.200 | --  | ND      | 0.809 | --  |           | 1               |
| Methyl tert butyl ether                                                                     | ND      | 0.200 | --  | ND      | 0.721 | --  |           | 1               |
| Vinyl acetate                                                                               | ND      | 0.200 | --  | ND      | 0.704 | --  |           | 1               |
| 2-Butanone                                                                                  | ND      | 0.200 | --  | ND      | 0.590 | --  |           | 1               |
| cis-1,2-Dichloroethene                                                                      | ND      | 0.200 | --  | ND      | 0.793 | --  |           | 1               |
| Ethyl Acetate                                                                               | ND      | 0.500 | --  | ND      | 1.80  | --  |           | 1               |

Project Name: 264 N. 10TH ST

Lab Number: L1113734

Project Number: Not Specified

Report Date: 09/09/11

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 09/08/11 18:05

| Parameter                                                                                   | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|---------------------------------------------------------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                                                                             | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air (Low Level) - Mansfield Lab for sample(s): 01-04 Batch: WG488853-4 |         |       |     |         |       |     |           |                 |
| Chloroform                                                                                  | ND      | 0.200 | --  | ND      | 0.977 | --  |           | 1               |
| Tetrahydrofuran                                                                             | ND      | 0.200 | --  | ND      | 0.590 | --  |           | 1               |
| 1,2-Dichloroethane                                                                          | ND      | 0.200 | --  | ND      | 0.809 | --  |           | 1               |
| n-Hexane                                                                                    | ND      | 0.200 | --  | ND      | 0.705 | --  |           | 1               |
| 1,1,1-Trichloroethane                                                                       | ND      | 0.200 | --  | ND      | 1.09  | --  |           | 1               |
| Benzene                                                                                     | ND      | 0.200 | --  | ND      | 0.639 | --  |           | 1               |
| Carbon tetrachloride                                                                        | ND      | 0.200 | --  | ND      | 1.26  | --  |           | 1               |
| Cyclohexane                                                                                 | ND      | 0.200 | --  | ND      | 0.688 | --  |           | 1               |
| 1,2-Dichloropropane                                                                         | ND      | 0.200 | --  | ND      | 0.924 | --  |           | 1               |
| Bromodichloromethane                                                                        | ND      | 0.200 | --  | ND      | 1.34  | --  |           | 1               |
| 1,4-Dioxane                                                                                 | ND      | 0.200 | --  | ND      | 0.721 | --  |           | 1               |
| Trichloroethene                                                                             | ND      | 0.200 | --  | ND      | 1.07  | --  |           | 1               |
| 2,2,4-Trimethylpentane                                                                      | ND      | 0.200 | --  | ND      | 0.934 | --  |           | 1               |
| Heptane                                                                                     | ND      | 0.200 | --  | ND      | 0.820 | --  |           | 1               |
| cis-1,3-Dichloropropene                                                                     | ND      | 0.200 | --  | ND      | 0.908 | --  |           | 1               |
| 4-Methyl-2-pentanone                                                                        | ND      | 0.200 | --  | ND      | 0.820 | --  |           | 1               |
| trans-1,3-Dichloropropene                                                                   | ND      | 0.200 | --  | ND      | 0.908 | --  |           | 1               |
| 1,1,2-Trichloroethane                                                                       | ND      | 0.200 | --  | ND      | 1.09  | --  |           | 1               |
| Toluene                                                                                     | ND      | 0.200 | --  | ND      | 0.754 | --  |           | 1               |
| 2-Hexanone                                                                                  | ND      | 0.200 | --  | ND      | 0.820 | --  |           | 1               |
| Dibromochloromethane                                                                        | ND      | 0.200 | --  | ND      | 1.70  | --  |           | 1               |
| 1,2-Dibromoethane                                                                           | ND      | 0.200 | --  | ND      | 1.54  | --  |           | 1               |
| Tetrachloroethene                                                                           | ND      | 0.200 | --  | ND      | 1.36  | --  |           | 1               |
| Chlorobenzene                                                                               | ND      | 0.200 | --  | ND      | 0.921 | --  |           | 1               |
| Ethylbenzene                                                                                | ND      | 0.200 | --  | ND      | 0.869 | --  |           | 1               |

Project Name: 264 N. 10TH ST

Lab Number: L1113734

Project Number: Not Specified

Report Date: 09/09/11

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 09/08/11 18:05

| Parameter                                                                                   | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|---------------------------------------------------------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                                                                             | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air (Low Level) - Mansfield Lab for sample(s): 01-04 Batch: WG488853-4 |         |       |     |         |       |     |           |                 |
| p/m-Xylene                                                                                  | ND      | 0.400 | --  | ND      | 1.74  | --  |           | 1               |
| Bromoform                                                                                   | ND      | 0.200 | --  | ND      | 2.07  | --  |           | 1               |
| Styrene                                                                                     | ND      | 0.200 | --  | ND      | 0.852 | --  |           | 1               |
| 1,1,2,2-Tetrachloroethane                                                                   | ND      | 0.200 | --  | ND      | 1.37  | --  |           | 1               |
| o-Xylene                                                                                    | ND      | 0.200 | --  | ND      | 0.869 | --  |           | 1               |
| 4-Ethyltoluene                                                                              | ND      | 0.200 | --  | ND      | 0.983 | --  |           | 1               |
| 1,3,5-Trimethylbenzene                                                                      | ND      | 0.200 | --  | ND      | 0.983 | --  |           | 1               |
| 1,2,4-Trimethylbenzene                                                                      | ND      | 0.200 | --  | ND      | 0.983 | --  |           | 1               |
| Benzyl chloride                                                                             | ND      | 0.200 | --  | ND      | 1.04  | --  |           | 1               |
| 1,3-Dichlorobenzene                                                                         | ND      | 0.200 | --  | ND      | 1.20  | --  |           | 1               |
| 1,4-Dichlorobenzene                                                                         | ND      | 0.200 | --  | ND      | 1.20  | --  |           | 1               |
| 1,2-Dichlorobenzene                                                                         | ND      | 0.200 | --  | ND      | 1.20  | --  |           | 1               |
| 1,2,4-Trichlorobenzene                                                                      | ND      | 0.200 | --  | ND      | 1.48  | --  |           | 1               |
| Hexachlorobutadiene                                                                         | ND      | 0.200 | --  | ND      | 2.13  | --  |           | 1               |

|                                     | Results | Qualifier | Units | RDL | Dilution Factor |
|-------------------------------------|---------|-----------|-------|-----|-----------------|
| Tentatively Identified Compounds    |         |           |       |     |                 |
| No Tentatively Identified Compounds | ND      |           | ppbV  |     | 1               |



## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 264 N. 10TH ST

Project Number: Not Specified

Lab Number: L1113734

Report Date: 09/09/11

| Parameter                                                                                          | LCS        |      | LCSD      |      | %Recovery Limits | RPD | Qual | RPD Limits |
|----------------------------------------------------------------------------------------------------|------------|------|-----------|------|------------------|-----|------|------------|
|                                                                                                    | %Recovery  | Qual | %Recovery | Qual |                  |     |      |            |
| Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-04 Batch: WG488853-3 |            |      |           |      |                  |     |      |            |
| Chlorodifluoromethane                                                                              | 86         |      | -         |      | 70-130           | -   |      |            |
| Propylene                                                                                          | 90         |      | -         |      | 70-130           | -   |      |            |
| Propane                                                                                            | 98         |      | -         |      | 70-130           | -   |      |            |
| Dichlorodifluoromethane                                                                            | 106        |      | -         |      | 70-130           | -   |      |            |
| Chloromethane                                                                                      | 100        |      | -         |      | 70-130           | -   |      |            |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane                                                             | 105        |      | -         |      | 70-130           | -   |      |            |
| Methanol                                                                                           | <b>61</b>  | Q    | -         |      | 70-130           | -   |      |            |
| Vinyl chloride                                                                                     | 102        |      | -         |      | 70-130           | -   |      |            |
| 1,3-Butadiene                                                                                      | 92         |      | -         |      | 70-130           | -   |      |            |
| Butane                                                                                             | 105        |      | -         |      | 70-130           | -   |      |            |
| Bromomethane                                                                                       | 96         |      | -         |      | 70-130           | -   |      |            |
| Chloroethane                                                                                       | 97         |      | -         |      | 70-130           | -   |      |            |
| Ethyl Alcohol                                                                                      | 114        |      | -         |      | 70-130           | -   |      |            |
| Dichlorofluoromethane                                                                              | 103        |      | -         |      | 70-130           | -   |      |            |
| Vinyl bromide                                                                                      | 96         |      | -         |      | 70-130           | -   |      |            |
| Acrolein                                                                                           | 104        |      | -         |      | 70-130           | -   |      |            |
| Acetone                                                                                            | 120        |      | -         |      | 70-130           | -   |      |            |
| Acetonitrile                                                                                       | <b>132</b> | Q    | -         |      | 70-130           | -   |      |            |
| Trichlorofluoromethane                                                                             | 100        |      | -         |      | 70-130           | -   |      |            |
| iso-Propyl Alcohol                                                                                 | 99         |      | -         |      | 70-130           | -   |      |            |
| Acrylonitrile                                                                                      | 118        |      | -         |      | 70-130           | -   |      |            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 264 N. 10TH ST

Project Number: Not Specified

Lab Number: L1113734

Report Date: 09/09/11

| Parameter                                                                                          | LCS       |      | LCSD      |      | %Recovery Limits | RPD | Qual | RPD Limits |
|----------------------------------------------------------------------------------------------------|-----------|------|-----------|------|------------------|-----|------|------------|
|                                                                                                    | %Recovery | Qual | %Recovery | Qual |                  |     |      |            |
| Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-04 Batch: WG488853-3 |           |      |           |      |                  |     |      |            |
| Pentane                                                                                            | 94        |      | -         |      | 70-130           | -   |      |            |
| Ethyl ether                                                                                        | 119       |      | -         |      | 70-130           | -   |      |            |
| 1,1-Dichloroethene                                                                                 | 99        |      | -         |      | 70-130           | -   |      |            |
| tert-Butyl Alcohol                                                                                 | 94        |      | -         |      | 70-130           | -   |      |            |
| Methylene chloride                                                                                 | 106       |      | -         |      | 70-130           | -   |      |            |
| 3-Chloropropene                                                                                    | 98        |      | -         |      | 70-130           | -   |      |            |
| Carbon disulfide                                                                                   | 96        |      | -         |      | 70-130           | -   |      |            |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane                                                              | 108       |      | -         |      | 70-130           | -   |      |            |
| trans-1,2-Dichloroethene                                                                           | 102       |      | -         |      | 70-130           | -   |      |            |
| 1,1-Dichloroethane                                                                                 | 111       |      | -         |      | 70-130           | -   |      |            |
| Methyl tert butyl ether                                                                            | 90        |      | -         |      | 70-130           | -   |      |            |
| Vinyl acetate                                                                                      | 97        |      | -         |      | 70-130           | -   |      |            |
| 2-Butanone                                                                                         | 93        |      | -         |      | 70-130           | -   |      |            |
| cis-1,2-Dichloroethene                                                                             | 87        |      | -         |      | 70-130           | -   |      |            |
| Ethyl Acetate                                                                                      | 96        |      | -         |      | 70-130           | -   |      |            |
| Chloroform                                                                                         | 100       |      | -         |      | 70-130           | -   |      |            |
| Tetrahydrofuran                                                                                    | 94        |      | -         |      | 70-130           | -   |      |            |
| 2,2-Dichloropropane                                                                                | 84        |      | -         |      | 70-130           | -   |      |            |
| 1,2-Dichloroethane                                                                                 | 100       |      | -         |      | 70-130           | -   |      |            |
| n-Hexane                                                                                           | 71        |      | -         |      | 70-130           | -   |      |            |
| Isopropyl Ether                                                                                    | 87        |      | -         |      | 70-130           | -   |      |            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 264 N. 10TH ST

Project Number: Not Specified

Lab Number: L1113734

Report Date: 09/09/11

| Parameter                                                                                          | LCS       |      | LCSD      |      | %Recovery Limits | RPD | Qual | RPD Limits |
|----------------------------------------------------------------------------------------------------|-----------|------|-----------|------|------------------|-----|------|------------|
|                                                                                                    | %Recovery | Qual | %Recovery | Qual |                  |     |      |            |
| Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-04 Batch: WG488853-3 |           |      |           |      |                  |     |      |            |
| Ethyl-Tert-Butyl-Ether                                                                             | 83        |      | -         |      | 70-130           | -   |      |            |
| 1,1,1-Trichloroethane                                                                              | 83        |      | -         |      | 70-130           | -   |      |            |
| 1,1-Dichloropropene                                                                                | 86        |      | -         |      | 70-130           | -   |      |            |
| Benzene                                                                                            | 86        |      | -         |      | 70-130           | -   |      |            |
| Carbon tetrachloride                                                                               | 82        |      | -         |      | 70-130           | -   |      |            |
| Cyclohexane                                                                                        | 76        |      | -         |      | 70-130           | -   |      |            |
| Tertiary-Amyl Methyl Ether                                                                         | 79        |      | -         |      | 70-130           | -   |      |            |
| Dibromomethane                                                                                     | 86        |      | -         |      | 70-130           | -   |      |            |
| 1,2-Dichloropropane                                                                                | 86        |      | -         |      | 70-130           | -   |      |            |
| Bromodichloromethane                                                                               | 82        |      | -         |      | 70-130           | -   |      |            |
| 1,4-Dioxane                                                                                        | 81        |      | -         |      | 70-130           | -   |      |            |
| Trichloroethene                                                                                    | 83        |      | -         |      | 70-130           | -   |      |            |
| 2,2,4-Trimethylpentane                                                                             | 85        |      | -         |      | 70-130           | -   |      |            |
| Heptane                                                                                            | 81        |      | -         |      | 70-130           | -   |      |            |
| 2,4,4-Trimethyl-1-Pentene                                                                          | 83        |      | -         |      | 70-130           | -   |      |            |
| cis-1,3-Dichloropropene                                                                            | 85        |      | -         |      | 70-130           | -   |      |            |
| 4-Methyl-2-pentanone                                                                               | 84        |      | -         |      | 70-130           | -   |      |            |
| 2,4,4-Trimethyl-2-Pentene                                                                          | 84        |      | -         |      | 70-130           | -   |      |            |
| trans-1,3-Dichloropropene                                                                          | 71        |      | -         |      | 70-130           | -   |      |            |
| 1,1,2-Trichloroethane                                                                              | 94        |      | -         |      | 70-130           | -   |      |            |
| Toluene                                                                                            | 95        |      | -         |      | 70-130           | -   |      |            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 264 N. 10TH ST

Project Number: Not Specified

Lab Number: L1113734

Report Date: 09/09/11

| Parameter                                                                                          | LCS       |      | LCSD      |      | %Recovery Limits | RPD | Qual | RPD Limits |
|----------------------------------------------------------------------------------------------------|-----------|------|-----------|------|------------------|-----|------|------------|
|                                                                                                    | %Recovery | Qual | %Recovery | Qual |                  |     |      |            |
| Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-04 Batch: WG488853-3 |           |      |           |      |                  |     |      |            |
| 1,3-Dichloropropane                                                                                | 97        |      | -         |      | 70-130           | -   |      |            |
| 2-Hexanone                                                                                         | 86        |      | -         |      | 70-130           | -   |      |            |
| Dibromochloromethane                                                                               | 87        |      | -         |      | 70-130           | -   |      |            |
| 1,2-Dibromoethane                                                                                  | 95        |      | -         |      | 70-130           | -   |      |            |
| Butyl Acetate                                                                                      | 94        |      | -         |      | 70-130           | -   |      |            |
| Octane                                                                                             | 95        |      | -         |      | 70-130           | -   |      |            |
| Tetrachloroethene                                                                                  | 99        |      | -         |      | 70-130           | -   |      |            |
| 1,1,1,2-Tetrachloroethane                                                                          | 95        |      | -         |      | 70-130           | -   |      |            |
| Chlorobenzene                                                                                      | 97        |      | -         |      | 70-130           | -   |      |            |
| Ethylbenzene                                                                                       | 97        |      | -         |      | 70-130           | -   |      |            |
| p/m-Xylene                                                                                         | 101       |      | -         |      | 70-130           | -   |      |            |
| Bromoform                                                                                          | 86        |      | -         |      | 70-130           | -   |      |            |
| Styrene                                                                                            | 100       |      | -         |      | 70-130           | -   |      |            |
| 1,1,2,2-Tetrachloroethane                                                                          | 100       |      | -         |      | 70-130           | -   |      |            |
| o-Xylene                                                                                           | 96        |      | -         |      | 70-130           | -   |      |            |
| 1,2,3-Trichloropropane                                                                             | 97        |      | -         |      | 70-130           | -   |      |            |
| Nonane (C9)                                                                                        | 92        |      | -         |      | 70-130           | -   |      |            |
| Isopropylbenzene                                                                                   | 108       |      | -         |      | 70-130           | -   |      |            |
| Bromobenzene                                                                                       | 100       |      | -         |      | 70-130           | -   |      |            |
| o-Chlorotoluene                                                                                    | 104       |      | -         |      | 70-130           | -   |      |            |
| n-Propylbenzene                                                                                    | 106       |      | -         |      | 70-130           | -   |      |            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 264 N. 10TH ST

Project Number: Not Specified

Lab Number: L1113734

Report Date: 09/09/11

| Parameter                                                                                          | LCS       |      | LCSD      |      | %Recovery Limits | RPD | Qual | RPD Limits |
|----------------------------------------------------------------------------------------------------|-----------|------|-----------|------|------------------|-----|------|------------|
|                                                                                                    | %Recovery | Qual | %Recovery | Qual |                  |     |      |            |
| Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-04 Batch: WG488853-3 |           |      |           |      |                  |     |      |            |
| p-Chlorotoluene                                                                                    | 100       |      | -         |      | 70-130           | -   |      |            |
| 4-Ethyltoluene                                                                                     | 100       |      | -         |      | 70-130           | -   |      |            |
| 1,3,5-Trimethylbenzene                                                                             | 105       |      | -         |      | 70-130           | -   |      |            |
| tert-Butylbenzene                                                                                  | 106       |      | -         |      | 70-130           | -   |      |            |
| 1,2,4-Trimethylbenzene                                                                             | 107       |      | -         |      | 70-130           | -   |      |            |
| Decane (C10)                                                                                       | 101       |      | -         |      | 70-130           | -   |      |            |
| Benzyl chloride                                                                                    | 72        |      | -         |      | 70-130           | -   |      |            |
| 1,3-Dichlorobenzene                                                                                | 108       |      | -         |      | 70-130           | -   |      |            |
| 1,4-Dichlorobenzene                                                                                | 107       |      | -         |      | 70-130           | -   |      |            |
| sec-Butylbenzene                                                                                   | 108       |      | -         |      | 70-130           | -   |      |            |
| p-Isopropyltoluene                                                                                 | 103       |      | -         |      | 70-130           | -   |      |            |
| 1,2-Dichlorobenzene                                                                                | 109       |      | -         |      | 70-130           | -   |      |            |
| n-Butylbenzene                                                                                     | 110       |      | -         |      | 70-130           | -   |      |            |
| 1,2-Dibromo-3-chloropropane                                                                        | 96        |      | -         |      | 70-130           | -   |      |            |
| Undecane                                                                                           | 100       |      | -         |      | 70-130           | -   |      |            |
| Dodecane (C12)                                                                                     | 94        |      | -         |      | 70-130           | -   |      |            |
| 1,2,4-Trichlorobenzene                                                                             | 103       |      | -         |      | 70-130           | -   |      |            |
| Naphthalene                                                                                        | 96        |      | -         |      | 70-130           | -   |      |            |
| 1,2,3-Trichlorobenzene                                                                             | 100       |      | -         |      | 70-130           | -   |      |            |
| Hexachlorobutadiene                                                                                | 101       |      | -         |      | 70-130           | -   |      |            |

## Lab Duplicate Analysis

### Batch Quality Control

**Project Name:** 264 N. 10TH ST  
**Project Number:** Not Specified

**Lab Number:** L1113734  
**Report Date:** 09/09/11

| Parameter                                                                                                                                       | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------|------------|
| Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG488853-5 QC Sample: L1113734-01 Client ID: SG-1 |               |                  |       |     |      |            |
| Propylene                                                                                                                                       | 45.2          | 46.8             | ppbV  | 3   |      | 25         |
| Dichlorodifluoromethane                                                                                                                         | ND            | ND               | ppbV  | NC  |      | 25         |
| Chloromethane                                                                                                                                   | ND            | ND               | ppbV  | NC  |      | 25         |
| Freon-114                                                                                                                                       | ND            | ND               | ppbV  | NC  |      | 25         |
| Vinyl chloride                                                                                                                                  | ND            | ND               | ppbV  | NC  |      | 25         |
| 1,3-Butadiene                                                                                                                                   | 2.58          | 3.24             | ppbV  | 23  |      | 25         |
| Bromomethane                                                                                                                                    | ND            | ND               | ppbV  | NC  |      | 25         |
| Chloroethane                                                                                                                                    | ND            | ND               | ppbV  | NC  |      | 25         |
| Ethanol                                                                                                                                         | 42.5          | 44.5             | ppbV  | 5   |      | 25         |
| Vinyl bromide                                                                                                                                   | ND            | ND               | ppbV  | NC  |      | 25         |
| Acetone                                                                                                                                         | 387           | 392              | ppbV  | 1   |      | 25         |
| Trichlorofluoromethane                                                                                                                          | ND            | ND               | ppbV  | NC  |      | 25         |
| Isopropanol                                                                                                                                     | ND            | ND               | ppbV  | NC  |      | 25         |
| 1,1-Dichloroethene                                                                                                                              | ND            | ND               | ppbV  | NC  |      | 25         |
| Methylene chloride                                                                                                                              | ND            | ND               | ppbV  | NC  |      | 25         |
| 3-Chloropropene                                                                                                                                 | ND            | ND               | ppbV  | NC  |      | 25         |
| Carbon disulfide                                                                                                                                | 2.46          | 2.60             | ppbV  | 6   |      | 25         |
| Freon-113                                                                                                                                       | ND            | ND               | ppbV  | NC  |      | 25         |
| trans-1,2-Dichloroethene                                                                                                                        | ND            | ND               | ppbV  | NC  |      | 25         |

## Lab Duplicate Analysis

### Batch Quality Control

**Project Name:** 264 N. 10TH ST  
**Project Number:** Not Specified

**Lab Number:** L1113734  
**Report Date:** 09/09/11

| Parameter                                                                                                                                       | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------------|
| Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG488853-5 QC Sample: L1113734-01 Client ID: SG-1 |               |                  |       |     |            |
| 1,1-Dichloroethane                                                                                                                              | ND            | ND               | ppbV  | NC  | 25         |
| Methyl tert butyl ether                                                                                                                         | ND            | ND               | ppbV  | NC  | 25         |
| Vinyl acetate                                                                                                                                   | ND            | ND               | ppbV  | NC  | 25         |
| 2-Butanone                                                                                                                                      | 15.0          | 14.5             | ppbV  | 3   | 25         |
| cis-1,2-Dichloroethene                                                                                                                          | ND            | ND               | ppbV  | NC  | 25         |
| Ethyl Acetate                                                                                                                                   | ND            | ND               | ppbV  | NC  | 25         |
| Chloroform                                                                                                                                      | ND            | ND               | ppbV  | NC  | 25         |
| Tetrahydrofuran                                                                                                                                 | ND            | 2.33             | ppbV  | NC  | 25         |
| 1,2-Dichloroethane                                                                                                                              | ND            | ND               | ppbV  | NC  | 25         |
| n-Hexane                                                                                                                                        | 31.2          | 32.2             | ppbV  | 3   | 25         |
| 1,1,1-Trichloroethane                                                                                                                           | ND            | ND               | ppbV  | NC  | 25         |
| Benzene                                                                                                                                         | 14.3          | 14.4             | ppbV  | 1   | 25         |
| Carbon tetrachloride                                                                                                                            | ND            | ND               | ppbV  | NC  | 25         |
| Cyclohexane                                                                                                                                     | ND            | ND               | ppbV  | NC  | 25         |
| 1,2-Dichloropropane                                                                                                                             | ND            | ND               | ppbV  | NC  | 25         |
| Bromodichloromethane                                                                                                                            | ND            | ND               | ppbV  | NC  | 25         |
| 1,4-Dioxane                                                                                                                                     | ND            | ND               | ppbV  | NC  | 25         |
| Trichloroethene                                                                                                                                 | ND            | ND               | ppbV  | NC  | 25         |
| 2,2,4-Trimethylpentane                                                                                                                          | ND            | ND               | ppbV  | NC  | 25         |

## Lab Duplicate Analysis

Batch Quality Control

**Project Name:** 264 N. 10TH ST  
**Project Number:** Not Specified

**Lab Number:** L1113734  
**Report Date:** 09/09/11

| Parameter                                                                                                                                       | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------------|
| Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG488853-5 QC Sample: L1113734-01 Client ID: SG-1 |               |                  |       |     |            |
| Heptane                                                                                                                                         | 16.4          | 16.2             | ppbV  | 1   | 25         |
| cis-1,3-Dichloropropene                                                                                                                         | ND            | ND               | ppbV  | NC  | 25         |
| 4-Methyl-2-pentanone                                                                                                                            | 4.45          | 3.88             | ppbV  | 14  | 25         |
| trans-1,3-Dichloropropene                                                                                                                       | ND            | ND               | ppbV  | NC  | 25         |
| 1,1,2-Trichloroethane                                                                                                                           | ND            | ND               | ppbV  | NC  | 25         |
| Toluene                                                                                                                                         | 118           | 113              | ppbV  | 4   | 25         |
| 2-Hexanone                                                                                                                                      | ND            | ND               | ppbV  | NC  | 25         |
| Dibromochloromethane                                                                                                                            | ND            | ND               | ppbV  | NC  | 25         |
| 1,2-Dibromoethane                                                                                                                               | ND            | ND               | ppbV  | NC  | 25         |
| Tetrachloroethene                                                                                                                               | 9.12          | 8.27             | ppbV  | 10  | 25         |
| Chlorobenzene                                                                                                                                   | ND            | ND               | ppbV  | NC  | 25         |
| Ethylbenzene                                                                                                                                    | 14.0          | 13.6             | ppbV  | 3   | 25         |
| p/m-Xylene                                                                                                                                      | 60.1          | 57.8             | ppbV  | 4   | 25         |
| Bromoform                                                                                                                                       | ND            | ND               | ppbV  | NC  | 25         |
| Styrene                                                                                                                                         | ND            | ND               | ppbV  | NC  | 25         |
| 1,1,2,2-Tetrachloroethane                                                                                                                       | ND            | ND               | ppbV  | NC  | 25         |
| o-Xylene                                                                                                                                        | 11.0          | 10.6             | ppbV  | 4   | 25         |
| 4-Ethyltoluene                                                                                                                                  | 5.26          | 4.58             | ppbV  | 14  | 25         |
| 1,3,5-Trimethylbenzene                                                                                                                          | 3.14          | 2.75             | ppbV  | 13  | 25         |

## Lab Duplicate Analysis

Batch Quality Control

**Project Name:** 264 N. 10TH ST  
**Project Number:** Not Specified

**Lab Number:** L1113734  
**Report Date:** 09/09/11

| Parameter                                                                                                                                       | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------------|
| Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG488853-5 QC Sample: L1113734-01 Client ID: SG-1 |               |                  |       |     |            |
| 1,2,4-Trimethylbenzene                                                                                                                          | 8.97          | 8.07             | ppbV  | 11  | 25         |
| Benzyl chloride                                                                                                                                 | ND            | ND               | ppbV  | NC  | 25         |
| 1,3-Dichlorobenzene                                                                                                                             | ND            | ND               | ppbV  | NC  | 25         |
| 1,4-Dichlorobenzene                                                                                                                             | ND            | ND               | ppbV  | NC  | 25         |
| 1,2-Dichlorobenzene                                                                                                                             | ND            | ND               | ppbV  | NC  | 25         |
| 1,2,4-Trichlorobenzene                                                                                                                          | ND            | ND               | ppbV  | NC  | 25         |
| Hexachlorobutadiene                                                                                                                             | ND            | ND               | ppbV  | NC  | 25         |

Project Name: 264 N. 10TH ST

Serial\_No:09091116:41  
Lab Number: L1113734

Project Number:

Report Date: 09/09/11

### Canister and Flow Controller Information

| Samplenum   | Client ID | Media ID | Media Type | Cleaning Batch ID | Initial Pressure (in. Hg) | Pressure on Receipt (in. Hg) | Flow Out mL/min | Flow In mL/min | % RSD |
|-------------|-----------|----------|------------|-------------------|---------------------------|------------------------------|-----------------|----------------|-------|
| L1113734-01 | SG-1      | 0166     | #30 AMB    |                   | -                         | -                            | 39              | 43             | 10    |
| L1113734-01 | SG-1      | 1669     | 6.0L Can   | L1111291          | -28.3                     | -7.5                         | -               | -              | -     |
| L1113734-02 | SG-2      | 0365     | #16 AMB    |                   | -                         | -                            | 36              | 36             | 0     |
| L1113734-02 | SG-2      | 1513     | 6.0L Can   | L1111291          | -29.3                     | -10.4                        | -               | -              | -     |
| L1113734-03 | SG-3      | 0322     | #30 AMB    |                   | -                         | -                            | 37              | 40             | 8     |
| L1113734-03 | SG-3      | 608      | 6.0L Can   | L1111291          | -29.4                     | -9.4                         | -               | -              | -     |
| L1113734-04 | AA-1      | 0435     | #20 AMB    |                   | -                         | -                            | 40              | 43             | 7     |
| L1113734-04 | AA-1      | 904      | 6.0L Can   | L1111291          | -28.3                     | -6.5                         | -               | -              | -     |



# **Air Volatiles Can Certification**

**Project Name:** BATCH CANISTER CERTIFICATION**Lab Number:** L1111291**Project Number:** CANISTER QC BAT**Report Date:** 09/09/11**Air Canister Certification Results**

Lab ID: L1111291-01  
 Client ID: CAN 1672 SHELF 35  
 Sample Location:  
 Matrix: Air  
 Analytical Method: 48,TO-15  
 Analytical Date: 07/27/11 19:02  
 Analyst: RY

Date Collected: 07/26/11 00:00  
 Date Received: 07/26/11  
 Field Prep: Not Specified

| Parameter                                            | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|------------------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                                      | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air (Low Level) - Mansfield Lab |         |       |     |         |       |     |           |                 |
| Chlorodifluoromethane                                | ND      | 0.200 | --  | ND      | 0.707 | --  |           | 1               |
| Propylene                                            | ND      | 0.500 | --  | ND      | 0.860 | --  |           | 1               |
| Propane                                              | ND      | 0.200 | --  | ND      | 0.361 | --  |           | 1               |
| Dichlorodifluoromethane                              | ND      | 0.200 | --  | ND      | 0.989 | --  |           | 1               |
| Chloromethane                                        | ND      | 0.200 | --  | ND      | 0.413 | --  |           | 1               |
| Freon-114                                            | ND      | 0.200 | --  | ND      | 1.40  | --  |           | 1               |
| Vinyl chloride                                       | ND      | 0.200 | --  | ND      | 0.511 | --  |           | 1               |
| 1,3-Butadiene                                        | ND      | 0.200 | --  | ND      | 0.442 | --  |           | 1               |
| Butane                                               | ND      | 0.200 | --  | ND      | 0.475 | --  |           | 1               |
| Bromomethane                                         | ND      | 0.200 | --  | ND      | 0.777 | --  |           | 1               |
| Chloroethane                                         | ND      | 0.200 | --  | ND      | 0.528 | --  |           | 1               |
| Ethanol                                              | ND      | 2.50  | --  | ND      | 4.71  | --  |           | 1               |
| Dichlorofluoromethane                                | ND      | 0.200 | --  | ND      | 0.842 | --  |           | 1               |
| Vinyl bromide                                        | ND      | 0.200 | --  | ND      | 0.874 | --  |           | 1               |
| Acrolein                                             | ND      | 0.500 | --  | ND      | 1.15  | --  |           | 1               |
| Acetone                                              | ND      | 1.00  | --  | ND      | 2.38  | --  |           | 1               |
| Acetonitrile                                         | ND      | 0.200 | --  | ND      | 0.336 | --  |           | 1               |
| Trichlorofluoromethane                               | ND      | 0.200 | --  | ND      | 1.12  | --  |           | 1               |
| Isopropanol                                          | ND      | 0.500 | --  | ND      | 1.23  | --  |           | 1               |
| Acrylonitrile                                        | ND      | 0.200 | --  | ND      | 0.434 | --  |           | 1               |
| Pentane                                              | ND      | 0.200 | --  | ND      | 0.590 | --  |           | 1               |
| Ethyl ether                                          | ND      | 0.200 | --  | ND      | 0.606 | --  |           | 1               |
| 1,1-Dichloroethene                                   | ND      | 0.200 | --  | ND      | 0.793 | --  |           | 1               |
| Tertiary butyl Alcohol                               | ND      | 0.500 | --  | ND      | 1.52  | --  |           | 1               |
| Methylene chloride                                   | ND      | 1.00  | --  | ND      | 3.47  | --  |           | 1               |



**Project Name:** BATCH CANISTER CERTIFICATION**Lab Number:** L1111291**Project Number:** CANISTER QC BAT**Report Date:** 09/09/11**Air Canister Certification Results**

Lab ID: L1111291-01  
 Client ID: CAN 1672 SHELF 35  
 Sample Location:

Date Collected: 07/26/11 00:00  
 Date Received: 07/26/11  
 Field Prep: Not Specified

| Parameter                                            | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|------------------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                                      | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air (Low Level) - Mansfield Lab |         |       |     |         |       |     |           |                 |
| 3-Chloropropene                                      | ND      | 0.200 | --  | ND      | 0.626 | --  |           | 1               |
| Carbon disulfide                                     | ND      | 0.200 | --  | ND      | 0.623 | --  |           | 1               |
| Freon-113                                            | ND      | 0.200 | --  | ND      | 1.53  | --  |           | 1               |
| trans-1,2-Dichloroethene                             | ND      | 0.200 | --  | ND      | 0.793 | --  |           | 1               |
| 1,1-Dichloroethane                                   | ND      | 0.200 | --  | ND      | 0.809 | --  |           | 1               |
| Methyl tert butyl ether                              | ND      | 0.200 | --  | ND      | 0.721 | --  |           | 1               |
| Vinyl acetate                                        | ND      | 0.200 | --  | ND      | 0.704 | --  |           | 1               |
| 2-Butanone                                           | ND      | 0.200 | --  | ND      | 0.590 | --  |           | 1               |
| cis-1,2-Dichloroethene                               | ND      | 0.200 | --  | ND      | 0.793 | --  |           | 1               |
| Ethyl Acetate                                        | ND      | 0.500 | --  | ND      | 1.80  | --  |           | 1               |
| Chloroform                                           | ND      | 0.200 | --  | ND      | 0.977 | --  |           | 1               |
| Tetrahydrofuran                                      | ND      | 0.200 | --  | ND      | 0.590 | --  |           | 1               |
| 2,2-Dichloropropane                                  | ND      | 0.200 | --  | ND      | 0.924 | --  |           | 1               |
| 1,2-Dichloroethane                                   | ND      | 0.200 | --  | ND      | 0.809 | --  |           | 1               |
| n-Hexane                                             | ND      | 0.200 | --  | ND      | 0.705 | --  |           | 1               |
| Diisopropyl ether                                    | ND      | 0.200 | --  | ND      | 0.836 | --  |           | 1               |
| tert-Butyl Ethyl Ether                               | ND      | 0.200 | --  | ND      | 0.836 | --  |           | 1               |
| 1,1,1-Trichloroethane                                | ND      | 0.200 | --  | ND      | 1.09  | --  |           | 1               |
| 1,1-Dichloropropene                                  | ND      | 0.200 | --  | ND      | 0.908 | --  |           | 1               |
| Benzene                                              | ND      | 0.200 | --  | ND      | 0.639 | --  |           | 1               |
| Carbon tetrachloride                                 | ND      | 0.200 | --  | ND      | 1.26  | --  |           | 1               |
| Cyclohexane                                          | ND      | 0.200 | --  | ND      | 0.688 | --  |           | 1               |
| tert-Amyl Methyl Ether                               | ND      | 0.200 | --  | ND      | 0.836 | --  |           | 1               |
| Dibromomethane                                       | ND      | 0.200 | --  | ND      | 1.42  | --  |           | 1               |
| 1,2-Dichloropropane                                  | ND      | 0.200 | --  | ND      | 0.924 | --  |           | 1               |
| Bromodichloromethane                                 | ND      | 0.200 | --  | ND      | 1.34  | --  |           | 1               |
| 1,4-Dioxane                                          | ND      | 0.200 | --  | ND      | 0.721 | --  |           | 1               |
| Trichloroethene                                      | ND      | 0.200 | --  | ND      | 1.07  | --  |           | 1               |



**Project Name:** BATCH CANISTER CERTIFICATION**Lab Number:** L1111291**Project Number:** CANISTER QC BAT**Report Date:** 09/09/11**Air Canister Certification Results**

Lab ID: L1111291-01

Date Collected: 07/26/11 00:00

Client ID: CAN 1672 SHELF 35

Date Received: 07/26/11

Sample Location:

Field Prep: Not Specified

| Parameter                                            | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|------------------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                                      | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air (Low Level) - Mansfield Lab |         |       |     |         |       |     |           |                 |
| 2,2,4-Trimethylpentane                               | ND      | 0.200 | --  | ND      | 0.934 | --  |           | 1               |
| Heptane                                              | ND      | 0.200 | --  | ND      | 0.820 | --  |           | 1               |
| 2,4,4-trimethyl-1-pentene                            | ND      | 0.500 | --  | ND      | 2.29  | --  |           | 1               |
| cis-1,3-Dichloropropene                              | ND      | 0.200 | --  | ND      | 0.908 | --  |           | 1               |
| 4-Methyl-2-pentanone                                 | ND      | 0.200 | --  | ND      | 0.820 | --  |           | 1               |
| 2,4,4-trimethyl-2-pentene                            | ND      | 0.500 | --  | ND      | 2.29  | --  |           | 1               |
| trans-1,3-Dichloropropene                            | ND      | 0.200 | --  | ND      | 0.908 | --  |           | 1               |
| 1,1,2-Trichloroethane                                | ND      | 0.200 | --  | ND      | 1.09  | --  |           | 1               |
| Toluene                                              | ND      | 0.200 | --  | ND      | 0.754 | --  |           | 1               |
| 1,3-Dichloropropane                                  | ND      | 0.200 | --  | ND      | 0.924 | --  |           | 1               |
| 2-Hexanone                                           | ND      | 0.200 | --  | ND      | 0.820 | --  |           | 1               |
| Dibromochloromethane                                 | ND      | 0.200 | --  | ND      | 1.70  | --  |           | 1               |
| 1,2-Dibromoethane                                    | ND      | 0.200 | --  | ND      | 1.54  | --  |           | 1               |
| Butyl acetate                                        | ND      | 0.500 | --  | ND      | 2.38  | --  |           | 1               |
| Octane                                               | ND      | 0.200 | --  | ND      | 0.934 | --  |           | 1               |
| Tetrachloroethene                                    | ND      | 0.200 | --  | ND      | 1.36  | --  |           | 1               |
| 1,1,1,2-Tetrachloroethane                            | ND      | 0.200 | --  | ND      | 1.37  | --  |           | 1               |
| Chlorobenzene                                        | ND      | 0.200 | --  | ND      | 0.921 | --  |           | 1               |
| Ethylbenzene                                         | ND      | 0.200 | --  | ND      | 0.869 | --  |           | 1               |
| p/m-Xylene                                           | ND      | 0.400 | --  | ND      | 1.74  | --  |           | 1               |
| Bromoform                                            | ND      | 0.200 | --  | ND      | 2.07  | --  |           | 1               |
| Styrene                                              | ND      | 0.200 | --  | ND      | 0.852 | --  |           | 1               |
| 1,1,1,2-Tetrachloroethane                            | ND      | 0.200 | --  | ND      | 1.37  | --  |           | 1               |
| o-Xylene                                             | ND      | 0.200 | --  | ND      | 0.869 | --  |           | 1               |
| 1,2,3-Trichloropropane                               | ND      | 0.200 | --  | ND      | 1.20  | --  |           | 1               |
| Nonane                                               | ND      | 0.200 | --  | ND      | 1.05  | --  |           | 1               |
| Isopropylbenzene                                     | ND      | 0.200 | --  | ND      | 0.983 | --  |           | 1               |
| Bromobenzene                                         | ND      | 0.200 | --  | ND      | 0.793 | --  |           | 1               |



**Project Name:** BATCH CANISTER CERTIFICATION**Lab Number:** L1111291**Project Number:** CANISTER QC BAT**Report Date:** 09/09/11**Air Canister Certification Results**

Lab ID: L1111291-01

Date Collected: 07/26/11 00:00

Client ID: CAN 1672 SHELF 35

Date Received: 07/26/11

Sample Location:

Field Prep: Not Specified

| Parameter                                            | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|------------------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                                      | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air (Low Level) - Mansfield Lab |         |       |     |         |       |     |           |                 |
| 2-Chlorotoluene                                      | ND      | 0.200 | --  | ND      | 1.04  | --  |           | 1               |
| n-Propylbenzene                                      | ND      | 0.200 | --  | ND      | 0.983 | --  |           | 1               |
| 4-Chlorotoluene                                      | ND      | 0.200 | --  | ND      | 1.04  | --  |           | 1               |
| 4-Ethyltoluene                                       | ND      | 0.200 | --  | ND      | 0.983 | --  |           | 1               |
| 1,3,5-Trimethylbenzene                               | ND      | 0.200 | --  | ND      | 0.983 | --  |           | 1               |
| tert-Butylbenzene                                    | ND      | 0.200 | --  | ND      | 1.10  | --  |           | 1               |
| 1,2,4-Trimethylbenzene                               | ND      | 0.200 | --  | ND      | 0.983 | --  |           | 1               |
| Decane                                               | ND      | 0.200 | --  | ND      | 1.16  | --  |           | 1               |
| Benzyl chloride                                      | ND      | 0.200 | --  | ND      | 1.04  | --  |           | 1               |
| 1,3-Dichlorobenzene                                  | ND      | 0.200 | --  | ND      | 1.20  | --  |           | 1               |
| 1,4-Dichlorobenzene                                  | ND      | 0.200 | --  | ND      | 1.20  | --  |           | 1               |
| sec-Butylbenzene                                     | ND      | 0.200 | --  | ND      | 1.10  | --  |           | 1               |
| p-Isopropyltoluene                                   | ND      | 0.200 | --  | ND      | 1.10  | --  |           | 1               |
| 1,2-Dichlorobenzene                                  | ND      | 0.200 | --  | ND      | 1.20  | --  |           | 1               |
| n-Butylbenzene                                       | ND      | 0.200 | --  | ND      | 1.10  | --  |           | 1               |
| 1,2-Dibromo-3-chloropropane                          | ND      | 0.200 | --  | ND      | 1.93  | --  |           | 1               |
| Undecane                                             | ND      | 0.200 | --  | ND      | 1.28  | --  |           | 1               |
| Dodecane                                             | ND      | 0.200 | --  | ND      | 1.39  | --  |           | 1               |
| 1,2,4-Trichlorobenzene                               | ND      | 0.200 | --  | ND      | 1.48  | --  |           | 1               |
| Naphthalene                                          | ND      | 0.200 | --  | ND      | 1.05  | --  |           | 1               |
| 1,2,3-Trichlorobenzene                               | ND      | 0.200 | --  | ND      | 1.48  | --  |           | 1               |
| Hexachlorobutadiene                                  | ND      | 0.200 | --  | ND      | 2.13  | --  |           | 1               |

**Project Name:** BATCH CANISTER CERTIFICATION**Lab Number:** L1111291**Project Number:** CANISTER QC BAT**Report Date:** 09/09/11**Air Canister Certification Results**

Lab ID: L1111291-01

Date Collected: 07/26/11 00:00

Client ID: CAN 1672 SHELF 35

Date Received: 07/26/11

Sample Location:

Field Prep: Not Specified

| Parameter                                            | ppbV    |    |     | ug/m3   |    |     | Qualifier | Dilution Factor |
|------------------------------------------------------|---------|----|-----|---------|----|-----|-----------|-----------------|
|                                                      | Results | RL | MDL | Results | RL | MDL |           |                 |
| Volatile Organics in Air (Low Level) - Mansfield Lab |         |    |     |         |    |     |           |                 |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-Difluorobenzene | 100        |           | 60-140              |
| Bromochloromethane  | 85         |           | 60-140              |
| chlorobenzene-d5    | 99         |           | 60-140              |

**Project Name:** BATCH CANISTER CERTIFICATION**Lab Number:** L1111291**Project Number:** CANISTER QC BAT**Report Date:** 09/09/11**Air Canister Certification Results**

Lab ID: L1111291-01  
 Client ID: CAN 1672 SHELF 35  
 Sample Location:  
 Matrix: Air  
 Analytical Method: 48,TO-15-SIM  
 Analytical Date: 07/27/11 19:02  
 Analyst: RY

Date Collected: 07/26/11 00:00  
 Date Received: 07/26/11  
 Field Prep: Not Specified

| Parameter                                       | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|-------------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                                 | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air by SIM - Mansfield Lab |         |       |     |         |       |     |           |                 |
| Dichlorodifluoromethane                         | ND      | 0.050 | --  | ND      | 0.247 | --  |           | 1               |
| Chloromethane                                   | ND      | 0.500 | --  | ND      | 1.03  | --  |           | 1               |
| Freon-114                                       | ND      | 0.050 | --  | ND      | 0.349 | --  |           | 1               |
| Vinyl chloride                                  | ND      | 0.020 | --  | ND      | 0.051 | --  |           | 1               |
| 1,3-Butadiene                                   | ND      | 0.020 | --  | ND      | 0.044 | --  |           | 1               |
| Bromomethane                                    | ND      | 0.020 | --  | ND      | 0.078 | --  |           | 1               |
| Chloroethane                                    | ND      | 0.020 | --  | ND      | 0.053 | --  |           | 1               |
| Acetone                                         | ND      | 2.00  | --  | ND      | 4.75  | --  |           | 1               |
| Trichlorofluoromethane                          | ND      | 0.050 | --  | ND      | 0.281 | --  |           | 1               |
| Acrylonitrile                                   | ND      | 0.500 | --  | ND      | 1.08  | --  |           | 1               |
| 1,1-Dichloroethene                              | ND      | 0.020 | --  | ND      | 0.079 | --  |           | 1               |
| Methylene chloride                              | ND      | 1.00  | --  | ND      | 3.47  | --  |           | 1               |
| Freon-113                                       | 0.059   | 0.050 | --  | 0.452   | 0.383 | --  |           | 1               |
| Halothane                                       | ND      | 0.050 | --  | ND      | 0.404 | --  |           | 1               |
| trans-1,2-Dichloroethene                        | ND      | 0.020 | --  | ND      | 0.079 | --  |           | 1               |
| 1,1-Dichloroethane                              | ND      | 0.020 | --  | ND      | 0.081 | --  |           | 1               |
| Methyl tert butyl ether                         | ND      | 0.020 | --  | ND      | 0.072 | --  |           | 1               |
| 2-Butanone                                      | ND      | 0.500 | --  | ND      | 1.47  | --  |           | 1               |
| cis-1,2-Dichloroethene                          | ND      | 0.020 | --  | ND      | 0.079 | --  |           | 1               |
| Chloroform                                      | ND      | 0.020 | --  | ND      | 0.098 | --  |           | 1               |
| 1,2-Dichloroethane                              | ND      | 0.020 | --  | ND      | 0.081 | --  |           | 1               |
| 1,1,1-Trichloroethane                           | ND      | 0.020 | --  | ND      | 0.109 | --  |           | 1               |
| Benzene                                         | ND      | 0.100 | --  | ND      | 0.319 | --  |           | 1               |
| Carbon tetrachloride                            | ND      | 0.020 | --  | ND      | 0.126 | --  |           | 1               |
| 1,2-Dichloropropane                             | ND      | 0.020 | --  | ND      | 0.092 | --  |           | 1               |



**Project Name:** BATCH CANISTER CERTIFICATION**Lab Number:** L1111291**Project Number:** CANISTER QC BAT**Report Date:** 09/09/11**Air Canister Certification Results**

Lab ID: L1111291-01

Date Collected: 07/26/11 00:00

Client ID: CAN 1672 SHELF 35

Date Received: 07/26/11

Sample Location:

Field Prep: Not Specified

| Parameter                                       | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|-------------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                                 | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air by SIM - Mansfield Lab |         |       |     |         |       |     |           |                 |
| Bromodichloromethane                            | ND      | 0.020 | --  | ND      | 0.134 | --  |           | 1               |
| Trichloroethene                                 | ND      | 0.020 | --  | ND      | 0.107 | --  |           | 1               |
| 1,4-Dioxane                                     | ND      | 0.100 | --  | ND      | 0.360 | --  |           | 1               |
| cis-1,3-Dichloropropene                         | ND      | 0.020 | --  | ND      | 0.091 | --  |           | 1               |
| 4-Methyl-2-pentanone                            | ND      | 0.500 | --  | ND      | 2.05  | --  |           | 1               |
| trans-1,3-Dichloropropene                       | ND      | 0.020 | --  | ND      | 0.091 | --  |           | 1               |
| 1,1,2-Trichloroethane                           | ND      | 0.020 | --  | ND      | 0.109 | --  |           | 1               |
| Toluene                                         | ND      | 0.050 | --  | ND      | 0.188 | --  |           | 1               |
| Dibromochloromethane                            | ND      | 0.020 | --  | ND      | 0.170 | --  |           | 1               |
| 1,2-Dibromoethane                               | ND      | 0.020 | --  | ND      | 0.154 | --  |           | 1               |
| Tetrachloroethene                               | ND      | 0.020 | --  | ND      | 0.136 | --  |           | 1               |
| 1,1,1,2-Tetrachloroethane                       | ND      | 0.020 | --  | ND      | 0.137 | --  |           | 1               |
| Chlorobenzene                                   | ND      | 0.020 | --  | ND      | 0.092 | --  |           | 1               |
| Ethylbenzene                                    | ND      | 0.020 | --  | ND      | 0.087 | --  |           | 1               |
| p/m-Xylene                                      | ND      | 0.040 | --  | ND      | 0.174 | --  |           | 1               |
| Bromoform                                       | ND      | 0.020 | --  | ND      | 0.207 | --  |           | 1               |
| Styrene                                         | ND      | 0.020 | --  | ND      | 0.085 | --  |           | 1               |
| 1,1,2,2-Tetrachloroethane                       | ND      | 0.020 | --  | ND      | 0.137 | --  |           | 1               |
| o-Xylene                                        | ND      | 0.020 | --  | ND      | 0.087 | --  |           | 1               |
| Isopropylbenzene                                | ND      | 0.500 | --  | ND      | 2.46  | --  |           | 1               |
| 1,3,5-Trimethylbenzene                          | ND      | 0.020 | --  | ND      | 0.098 | --  |           | 1               |
| 1,2,4-Trimethylbenzene                          | ND      | 0.020 | --  | ND      | 0.098 | --  |           | 1               |
| 1,3-Dichlorobenzene                             | ND      | 0.020 | --  | ND      | 0.120 | --  |           | 1               |
| 1,4-Dichlorobenzene                             | ND      | 0.020 | --  | ND      | 0.120 | --  |           | 1               |
| sec-Butylbenzene                                | ND      | 0.500 | --  | ND      | 2.74  | --  |           | 1               |
| p-Isopropyltoluene                              | ND      | 0.500 | --  | ND      | 2.74  | --  |           | 1               |
| 1,2-Dichlorobenzene                             | ND      | 0.020 | --  | ND      | 0.120 | --  |           | 1               |
| n-Butylbenzene                                  | ND      | 0.500 | --  | ND      | 2.74  | --  |           | 1               |



**Project Name:** BATCH CANISTER CERTIFICATION**Lab Number:** L1111291**Project Number:** CANISTER QC BAT**Report Date:** 09/09/11**Air Canister Certification Results**

Lab ID: L1111291-01

Date Collected: 07/26/11 00:00

Client ID: CAN 1672 SHELF 35

Date Received: 07/26/11

Sample Location:

Field Prep: Not Specified

| Parameter                                       | ppbV    |       |     | ug/m3   |       |     | Qualifier | Dilution Factor |
|-------------------------------------------------|---------|-------|-----|---------|-------|-----|-----------|-----------------|
|                                                 | Results | RL    | MDL | Results | RL    | MDL |           |                 |
| Volatile Organics in Air by SIM - Mansfield Lab |         |       |     |         |       |     |           |                 |
| 1,2,4-Trichlorobenzene                          | ND      | 0.050 | --  | ND      | 0.371 | --  |           | 1               |
| Naphthalene                                     | ND      | 0.050 | --  | ND      | 0.262 | --  |           | 1               |
| 1,2,3-Trichlorobenzene                          | ND      | 0.050 | --  | ND      | 0.371 | --  |           | 1               |
| Hexachlorobutadiene                             | ND      | 0.050 | --  | ND      | 0.533 | --  |           | 1               |

**Project Name:** BATCH CANISTER CERTIFICATION**Lab Number:** L1111291**Project Number:** CANISTER QC BAT**Report Date:** 09/09/11**Air Canister Certification Results**

Lab ID: L1111291-01

Date Collected: 07/26/11 00:00

Client ID: CAN 1672 SHELF 35

Date Received: 07/26/11

Sample Location:

Field Prep: Not Specified

| Parameter                                       | ppbV    |    |     | ug/m3   |    |     | Qualifier | Dilution Factor |
|-------------------------------------------------|---------|----|-----|---------|----|-----|-----------|-----------------|
|                                                 | Results | RL | MDL | Results | RL | MDL |           |                 |
| Volatile Organics in Air by SIM - Mansfield Lab |         |    |     |         |    |     |           |                 |

| Internal Standard   | % Recovery | Qualifier | Acceptance Criteria |
|---------------------|------------|-----------|---------------------|
| 1,4-difluorobenzene | 92         |           | 60-140              |
| bromochloromethane  | 99         |           | 60-140              |
| chlorobenzene-d5    | 94         |           | 60-140              |

# **AIR Petro Can Certification**

**Project Name:** BATCH CANISTER CERTIFICATION**Lab Number:** L1111291**Project Number:** CANISTER QC BAT**Report Date:** 09/09/11**AIR CAN CERTIFICATION RESULTS**

**Lab ID:** L1111291-01  
**Client ID:** CAN 1672 SHELF 35  
**Sample Location:** Not Specified  
**Matrix:** Air  
**Analytical Method:** 96,APH  
**Analytical Date:** 07/27/11 19:02  
**Analyst:** RY

**Date Collected:** 07/26/11 00:00  
**Date Received:** 07/26/11  
**Field Prep:** Not Specified

| Parameter                                            | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|------------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| <b>Petroleum Hydrocarbons in Air - Mansfield Lab</b> |        |           |       |     |     |                 |
| 1,3-Butadiene                                        | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Methyl tert butyl ether                              | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Benzene                                              | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Toluene                                              | ND     |           | ug/m3 | 2.0 | --  | 1               |
| C5-C8 Aliphatics, Adjusted                           | ND     |           | ug/m3 | 12  | --  | 1               |
| Ethylbenzene                                         | ND     |           | ug/m3 | 2.0 | --  | 1               |
| p/m-Xylene                                           | ND     |           | ug/m3 | 4.0 | --  | 1               |
| o-Xylene                                             | ND     |           | ug/m3 | 2.0 | --  | 1               |
| Naphthalene                                          | ND     |           | ug/m3 | 2.0 | --  | 1               |
| C9-C12 Aliphatics, Adjusted                          | ND     |           | ug/m3 | 14  | --  | 1               |
| C9-C10 Aromatics Total                               | ND     |           | ug/m3 | 10  | --  | 1               |

**Project Name:** 264 N. 10TH ST**Lab Number:** L1113734**Project Number:** Not Specified**Report Date:** 09/09/11**Sample Receipt and Container Information**

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

**Cooler Information Custody Seal****Cooler**

N/A Present/Intact

**Container Information**

| Container ID | Container Type     | Cooler | pH  | Temp<br>deg C | Pres | Seal           | Analysis(*) |
|--------------|--------------------|--------|-----|---------------|------|----------------|-------------|
| L1113734-01A | Canister - 6 Liter | N/A    | N/A |               | Y    | Present/Intact | TO15-LL(30) |
| L1113734-02A | Canister - 6 Liter | N/A    | N/A |               | Y    | Present/Intact | TO15-LL(30) |
| L1113734-03A | Canister - 6 Liter | N/A    | N/A |               | Y    | Present/Intact | TO15-LL(30) |
| L1113734-04A | Canister - 6 Liter | N/A    | N/A |               | Y    | Present/Intact | TO15-LL(30) |
| L1113734-05A | Canister - 6 Liter | N/A    | N/A |               | Y    | Present/Intact | CLEAN-FEE() |

\*Values in parentheses indicate holding time in days

**Project Name:** 264 N. 10TH ST  
**Project Number:** Not Specified

**Lab Number:** L1113734  
**Report Date:** 09/09/11

## GLOSSARY

### Acronyms

|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EPA  | - Environmental Protection Agency.                                                                                                                                                                                                                                                                                                                                                                                                                        |
| LCS  | - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.                                                                                                                                                                                                                                                         |
| LCSD | - Laboratory Control Sample Duplicate: Refer to LCS.                                                                                                                                                                                                                                                                                                                                                                                                      |
| LFB  | - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.                                                                                                                                                                                                                                                        |
| MDL  | - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.                                                                                                                         |
| MS   | - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.                                                                                                                                                                                                                                                  |
| MSD  | - Matrix Spike Sample Duplicate: Refer to MS.                                                                                                                                                                                                                                                                                                                                                                                                             |
| NA   | - Not Applicable.                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| NC   | - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.                                                                                                                                                                                                                                                                                                          |
| NI   | - Not Ignitable.                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| RL   | - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.                                                                                                                                                                                                                                  |
| RPD  | - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report. |
| SRM  | - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.                                                                                                                                                                                                                                                                                                    |

### Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

### Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

### Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less

Report Format: Data Usability Report



**Project Name:** 264 N. 10TH ST  
**Project Number:** Not Specified

**Lab Number:** L1113734  
**Report Date:** 09/09/11

**Data Qualifiers**

than 5x the RL. (Metals only.)

**R** - Analytical results are from sample re-analysis.

**RE** - Analytical results are from sample re-extraction.

**J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

**ND** - Not detected at the reporting limit (RL) for the sample.

**Project Name:** 264 N. 10TH ST  
**Project Number:** Not Specified

**Lab Number:** L1113734  
**Report Date:** 09/09/11

## REFERENCES

- 48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



## Certificate/Approval Program Summary

Last revised August 4, 2011 – Mansfield Facility

The following list includes only those analytes/methods for which certification/approval is currently held. For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

### **Connecticut Department of Public Health Certificate/Lab ID: PH-0141.**

*Wastewater/Non-Potable Water* (Inorganic Parameters: pH, Turbidity, Conductivity, Alkalinity, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Vanadium, Zinc, Total Residue (Solids), Total Suspended Solids (non-filterable), Total Cyanide. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables, Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, PAHs, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)

*Solid Waste/Soil* (Inorganic Parameters: pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Organic Carbon, Total Cyanide, Corrosivity, TCLP 1311. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Volatile Organics, Acid Extractables, Benzidines, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

### **Florida Department of Health Certificate/Lab ID: E87814. *NELAP Accredited.***

*Non-Potable Water* (Inorganic Parameters: SM2320B, SM2540D, SM2540G.)

*Solid & Chemical Materials* (Inorganic Parameters: 6020, 7470, 7471, 9045. Organic Parameters: EPA 8260, 8270, 8082, 8081.)

*Air & Emissions* (EPA TO-15.)

### **Louisiana Department of Environmental Quality Certificate/Lab ID: 03090. *NELAP Accredited.***

*Non-Potable Water* (Inorganic Parameters: EPA 180.1, 245.7, 1631E, 3020, 6020A, 7470A, 9040, 9050A, SM2320B, 2540D, 2540G, 4500H-B, Organic Parameters: EPA 3510C, 3580A, 3630C, 3640A, 3660B, 3665A, 5030B, 8015D, 3570, 8081B, 8082A, 8260B, 8270C, 8270D.)

*Solid & Chemical Materials* (Inorganic Parameters: EPA 1311, 3050, 3051A, 3060A, 6020A, 7196A, 7470A, 7471B, 7474, 9040B, 9045C, 9060. Organic Parameters: EPA 3540C, 3570B, 3580A, 3630C, 3640A, 3660, 3665A, 5035, 8015D, 8081B, 8082A, 8260B, 8270C, 8270D.)

*Biological Tissue* (Inorganic Parameters: EPA 6020A. Organic Parameters: EPA 3570, 3510C, 3610B, 3630C, 3640A, 8270C, 8270D.)

*Air & Emissions* (EPA TO-15.)

### **New Hampshire Department of Environmental Services Certificate/Lab ID: 2206. *NELAP Accredited.***

*Non-Potable Water* (Inorganic Parameters: EPA, 245.1, 245.7, 1631E, 180.1, 6020A, 7470A, 9040B, 9050A, SM2540D, 2540G, 4500H+B, 2320B. Organic Parameters: EPA 8081, 8082, 8260B, 8270C.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846 1311, 1312, 3050B, 3051A, 3060A, 6020A, 7470A, 7471A, 9040B, 9045C, 7196A. Organic Parameters: SW-846 3540C, 3580, 3630C, 3640A, 3660B, 3665A, 5035, 8260B, 8270C, 8015D, 8082, 8081A.)

### **New Jersey Department of Environmental Protection Certificate/Lab ID: MA015. *NELAP Accredited.***

*Non-Potable Water* (Inorganic Parameters: SW-846 1312, 3010, 3020A, 3015, SM2320B, SM2540D, 2540G, , EPA 180.1, 1631E, SW-846 7470A, 9040B, 6020. Organic Parameters: SW-846 3510C, 3580A, 5030B, 5035L, 5035H, 3630C, 3640C, 3660B, 3665A, 8015B 8081A, 8082, 8260B, 8270C)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6020, 1311, 1312, 3050B, 3051, 3060A, 7196A, 7470A, 7471A, 9040B, 9045C, 9050A, 9060. Organic Parameters: SW-846 3540C, 3570, 3580A, 5030B, 5035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8081A, 8082, 8260B, 8270C, 8015B.)

*Atmospheric Organic Parameters* (EPA TO-15)

*Biological Tissue* (Inorganic Parameters: SW-846 6020 Organic Parameters: SW-846 8270C, 3510C, 3570, 3610C, 3630C, 3640A)

**New York Department of Health** Certificate/Lab ID: 11627. **NELAP Accredited.**

*Non-Potable Water* (Inorganic Parameters: SM2320B, SM2540D, EPA 200.8, 6020, 1631E, 245.1, 245.7, 7470A, 9014, 9040B, 9050, 120.1, 4500CN-E, 4500H-B, EPA 376.2, 180.1, 3020A. Organic Parameters: EPA 8260B, 8270C, 8081A, 8082, 3510C, 5030B.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 6020, 7196A, 3060A, 7471A, 7474, 9014, 9040B, 9045C, 9010B. Organic Parameters: EPA 8260B, 8270C, 8081A, DRO 8015B, 8082, 1311, 1312, 3050B, 3580, 3570, 3051, 5035, 5030B.)

*Air & Emissions* (EPA TO-15.)

**Rhode Island Department of Health** Certificate/Lab ID: LAO00299. **NELAP Accredited via LA-DEQ.**

Refer to LA-DEQ Certificate for Non-Potable Water.

**Texas Commission of Environmental Quality** Certificate/Lab ID: T104704419-08-TX. **NELAP Accredited.**

*Solid & Chemical Materials* (Inorganic Parameters: EPA 6020, 7470, 7471, 1311, 7196, 9040, 9045, 9060. Organic Parameters: EPA 8015, 8270, 8260, 8081, 8082.)

*Air* (Organic Parameters: EPA TO-15)

**Washington State Department of Ecology** Certificate/Lab ID: C954. *Non-Potable Water* (Inorganic Parameters: SM2540D, 2510B, EPA 120.1, 180.1, 1631E, 245.7.)

*Solid & Chemical Materials* (Inorganic Parameters: EPA 9040, 9060, 6020, 7470, 7471, 7474. Organic Parameters: EPA 8081, 8082, 8015 Mod, 8270, 8260.)

**U.S. Army Corps of Engineers**

**Department of Defense** Certificate/Lab ID: L2217.01.

*Non-Potable Water* (Inorganic Parameters: EPA 6020A, SM4500H-B. Organic Parameters: 3020A, 3510C, 5030B, 8260B, 8270C, 8270C-ALK-PAH, 8082, 8081A, 8015D-SHC.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1311, 1312, 3050B, 6020A, 7471A, 9045C, 9060, SM 2540G, ASTM D422-63. Organic Parameters: EPA 3580A, 3570, 3540C, 5035A, 8260B, 8270C, 8270-ALK-PAH, 8082, 8081A, 8015D-SHC, 8015-DRO.

*Air & Emissions* (EPA TO-15.)

**Analytes Not Accredited by NELAP**

Certification is not available by NELAP for the following analytes: **8270C**: Biphenyl. **TO-15**: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 2-Methylnaphthalene, 1-Methylnaphthalene.



**Alpha Analytical**  
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 Mansfield, MA 02048-1806  
 Tel: 508-822-9300  
 Fax: 508-822-3288

# AIR Chain-of-Custody - NJ

Serial\_No:09091116:41

L1113734

|                   |            |
|-------------------|------------|
| Date Rec'd in Lab | ALPHA Job# |
|-------------------|------------|

| Client Contact Information                  |                                               | Project Information                |                                     |
|---------------------------------------------|-----------------------------------------------|------------------------------------|-------------------------------------|
| Company: <b>AKRF, Inc.</b>                  | Project Name: <b>264 N. 10th St.</b>          | Site/Location: <b>Brooklyn, NY</b> | Project Manager: <b>Mord Godick</b> |
| Address: <b>34 South Broadway-Suite 401</b> | City/State/Zip: <b>White Plains, NY 10601</b> | Site Contact: <b>Steve Green</b>   | Phone: <b>(917) 613-6027</b>        |
| Phone: <b>(914) 949-7336</b>                | FAX: <b>(914) 949-7559</b>                    | Email: <b>mgodick@akrf.com</b>     |                                     |
| Analysis Turn-Around Time                   |                                               |                                    |                                     |
| Standard (Specify) <b>X</b>                 |                                               | Rush (Specify)                     |                                     |

| Carrier:                                                        | 1 of 1 COCs                                                                                   |
|-----------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Samplers Name(s): <b>Steve Green</b>                            | Analysis Matrix                                                                               |
| Report Information - Data Deliverables:                         |                                                                                               |
| <input type="checkbox"/> FAX:                                   |                                                                                               |
| <input checked="" type="checkbox"/> ADEx                        | <input type="checkbox"/> Criteria Checker: <b>NYSDEC Soil Vapor Intrusion Guidance Values</b> |
| <input checked="" type="checkbox"/> EMail (standard pdf report) |                                                                                               |
| Billing Information                                             |                                                                                               |
| <input type="checkbox"/> Same as Client Info                    | PO #:                                                                                         |

| ALPHA LAB ID (Lab Use Only) | Sample Identification | Sample Date(s) | Time Start (24 hr clock) | Time Stop (24 hr clock) | Canister Pressure in Field ("Hg) (Start) | Canister Pressure in Field ("Hg) (Stop) | Exterior Interior Temp. (F) (Start) | Interior Temp. (F) (Stop) | Outgoing Canister Pressure ("Hg) (Lab) | Incoming Canister Pressure ("Hg) (Lab) | Flow Reg. ID | Can ID | Can Size (L) | Flow Controller Readout (ml/min) | Can Cert ID | TO-15 | EPA 3C | Ambient Air | Soil Gas |
|-----------------------------|-----------------------|----------------|--------------------------|-------------------------|------------------------------------------|-----------------------------------------|-------------------------------------|---------------------------|----------------------------------------|----------------------------------------|--------------|--------|--------------|----------------------------------|-------------|-------|--------|-------------|----------|
| 1                           | SG-1                  | 8/31/11        | 1115                     | 1315                    | -29.32                                   | -6.54                                   | 80°F                                | 85°F                      |                                        |                                        | 0166         | 1669   | 6-17         | 50ml/min<br>2 hour               | L111291     | X     |        |             | X        |
| 2                           | SG-2                  |                | 1102                     | 1302                    | -30.75                                   | -9.85                                   |                                     |                           |                                        |                                        | 0365         | 1513   | 6-17         | 50ml/min                         |             | X     |        |             | X        |
| 3                           | SG-3                  |                | 1046                     | 1246                    | -31.7                                    | -8.52                                   |                                     |                           |                                        |                                        | 0322         | 602    | 6-17         |                                  |             | X     |        |             | X        |
| 4 (AA-1)                    | AA-1                  |                | 1100                     | 1300                    | -29.51                                   | -6.47                                   |                                     |                           |                                        |                                        | 0435         | 904    | 6-17         |                                  |             | X     |        |             | X        |

| Temperature (Fahrenheit) |         |         |         |
|--------------------------|---------|---------|---------|
|                          | Ambient | Maximum | Minimum |
| Start                    | ~80°F   |         |         |
| Stop                     | ~80°F   |         |         |
| Pressure (inches of Hg)  |         |         |         |
|                          | Ambient | Maximum | Minimum |
| Start                    |         |         |         |
| Stop                     |         |         |         |

GC/MS Analyst Signature (TO-15) \_\_\_\_\_

Special Instructions/QC Requirements & Comments: **\* AA-1 is ambient air**

|                                             |                                |                                           |                                 |
|---------------------------------------------|--------------------------------|-------------------------------------------|---------------------------------|
| Canister Shipped by: <b>AKRF</b>            | Date/Time: <b>8/31/11 1500</b> | Canisters Received by: <b>[Signature]</b> | Date/Time: <b>8/31/11 15:00</b> |
| Samples Relinquished by: <b>[Signature]</b> | Date/Time: <b>8/31/11 2230</b> | Received by: <b>[Signature]</b>           | Date/Time: <b>8/31/11 2230</b>  |
| Relinquished by: <b>[Signature]</b>         | Date/Time: <b>8/31/11 2230</b> | Received by: <b>[Signature]</b>           | Date/Time: <b>9/1/11 7:00</b>   |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until all ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms. See reverse side.



## ANALYTICAL REPORT

|                 |                                                           |
|-----------------|-----------------------------------------------------------|
| Lab Number:     | L1115368                                                  |
| Client:         | AKRF, Inc.<br>34 South Broadway<br>White Plains, NY 10601 |
| ATTN:           | Marc Godick                                               |
| Phone:          | (914) 949-7336                                            |
| Project Name:   | 264 N. 10TH ST.                                           |
| Project Number: | 11338                                                     |
| Report Date:    | 09/29/11                                                  |

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

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



**Project Name:** 264 N. 10TH ST.  
**Project Number:** 11338

**Lab Number:** L1115368  
**Report Date:** 09/29/11

| <b>Alpha<br/>Sample ID</b> | <b>Client ID</b> | <b>Sample<br/>Location</b> | <b>Collection<br/>Date/Time</b> |
|----------------------------|------------------|----------------------------|---------------------------------|
| L1115368-01                | B-12 (10-12)     | BROOKLIN, NY               | 08/31/11 09:16                  |
| L1115368-02                | B-15 (9'-11')    | BROOKLIN, NY               | 08/31/11 12:00                  |
| L1115368-03                | B-2 (8'-10')     | BROOKLIN, NY               | 08/31/11 14:00                  |

**Project Name:** 264 N. 10TH ST.  
**Project Number:** 11338

**Lab Number:** L1115368  
**Report Date:** 09/29/11

### Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

---

### Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

### Metals

L1115368-02 and -03 have elevated detection limits for Mercury due to the dilutions required to quantitate the results within the calibration range.

The WG492515-4 MS recovery for Mercury (203%), performed on L1115368-01, is above the acceptance criteria. A post digestion spike was performed with an acceptable recovery of 107%.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Elizabeth Simmons

Title: Technical Director/Representative

Date: 09/29/11

## METALS

**Project Name:** 264 N. 10TH ST.  
**Project Number:** 11338

**Lab Number:** L1115368  
**Report Date:** 09/29/11

**SAMPLE RESULTS**

Lab ID: L1115368-01  
 Client ID: B-12 (10-12)  
 Sample Location: BROOKLIN, NY  
 Matrix: Soil  
 Percent Solids: 85%

Date Collected: 08/31/11 09:16  
 Date Received: 08/31/11  
 Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|-----------|--------|-----------|-------|----|-----|-----------------|---------------|---------------|-------------|-------------------|---------|
|-----------|--------|-----------|-------|----|-----|-----------------|---------------|---------------|-------------|-------------------|---------|

**Total Metals - Westborough Lab**

|                |      |   |       |      |      |   |                |                |           |         |    |
|----------------|------|---|-------|------|------|---|----------------|----------------|-----------|---------|----|
| Arsenic, Total | 2.0  |   | mg/kg | 0.45 | 0.15 | 1 | 09/27/11 15:07 | 09/28/11 13:31 | EPA 3050B | 1,6010B | MS |
| Mercury, Total | 0.08 | J | mg/kg | 0.10 | 0.02 | 1 | 09/27/11 14:00 | 09/27/11 17:44 | EPA 7471A | 1,7471A | JP |



**Project Name:** 264 N. 10TH ST.  
**Project Number:** 11338

**Lab Number:** L1115368  
**Report Date:** 09/29/11

**SAMPLE RESULTS**

Lab ID: L1115368-02  
 Client ID: B-15 (9'-11')  
 Sample Location: BROOKLIN, NY  
 Matrix: Soil  
 Percent Solids: 66%

Date Collected: 08/31/11 12:00  
 Date Received: 08/31/11  
 Field Prep: Not Specified

| Parameter                             | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|---------------------------------------|--------|-----------|-------|------|------|-----------------|----------------|----------------|-------------|-------------------|---------|
| <b>Total Metals - Westborough Lab</b> |        |           |       |      |      |                 |                |                |             |                   |         |
| Barium, Total                         | 270    |           | mg/kg | 0.58 | 0.05 | 1               | 09/27/11 15:07 | 09/28/11 13:43 | EPA 3050B   | 1,6010B           | MS      |
| Cadmium, Total                        | 0.10   | J         | mg/kg | 0.58 | 0.04 | 1               | 09/27/11 15:07 | 09/28/11 13:43 | EPA 3050B   | 1,6010B           | MS      |
| Copper, Total                         | 33     |           | mg/kg | 0.58 | 0.27 | 1               | 09/27/11 15:07 | 09/28/11 13:43 | EPA 3050B   | 1,6010B           | MS      |
| Lead, Total                           | 630    |           | mg/kg | 2.9  | 0.16 | 1               | 09/27/11 15:07 | 09/28/11 13:43 | EPA 3050B   | 1,6010B           | MS      |
| Mercury, Total                        | 3.1    |           | mg/kg | 0.20 | 0.04 | 2               | 09/27/11 14:00 | 09/27/11 17:53 | EPA 7471A   | 1,7471A           | JP      |

Project Name: 264 N. 10TH ST.

Lab Number: L1115368

Project Number: 11338

Report Date: 09/29/11

**SAMPLE RESULTS**

Lab ID: L1115368-03

Date Collected: 08/31/11 14:00

Client ID: B-2 (8'-10')

Date Received: 08/31/11

Sample Location: BROOKLIN, NY

Field Prep: Not Specified

Matrix: Soil

Percent Solids: 66%

| Parameter                             | Result | Qualifier | Units | RL   | MDL  | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Prep<br>Method | Analytical<br>Method | Analyst |
|---------------------------------------|--------|-----------|-------|------|------|--------------------|------------------|------------------|----------------|----------------------|---------|
| <b>Total Metals - Westborough Lab</b> |        |           |       |      |      |                    |                  |                  |                |                      |         |
| Copper, Total                         | 33     |           | mg/kg | 0.58 | 0.27 | 1                  | 09/27/11 15:07   | 09/28/11 13:46   | EPA 3050B      | 1,6010B              | MS      |
| Mercury, Total                        | 2.6    |           | mg/kg | 0.18 | 0.04 | 2                  | 09/27/11 14:00   | 09/27/11 17:55   | EPA 7471A      | 1,7471A              | JP      |



**Project Name:** 264 N. 10TH ST.  
**Project Number:** 11338

**Lab Number:** L1115368  
**Report Date:** 09/29/11

## Method Blank Analysis Batch Quality Control

| Parameter                                                             | Result Qualifier | Units | RL   | MDL  | Dilution Factor | Date Prepared  | Date Analyzed  | Analytical Method | Analyst |
|-----------------------------------------------------------------------|------------------|-------|------|------|-----------------|----------------|----------------|-------------------|---------|
| Total Metals - Westborough Lab for sample(s): 01-03 Batch: WG492515-1 |                  |       |      |      |                 |                |                |                   |         |
| Mercury, Total                                                        | ND               | mg/kg | 0.08 | 0.02 | 1               | 09/27/11 14:00 | 09/27/11 17:40 | 1,7471A           | JP      |

### Prep Information

Digestion Method: EPA 7471A

| Parameter                                                             | Result Qualifier | Units | RL   | MDL  | Dilution Factor | Date Prepared  | Date Analyzed  | Analytical Method | Analyst |
|-----------------------------------------------------------------------|------------------|-------|------|------|-----------------|----------------|----------------|-------------------|---------|
| Total Metals - Westborough Lab for sample(s): 01-03 Batch: WG492697-1 |                  |       |      |      |                 |                |                |                   |         |
| Arsenic, Total                                                        | ND               | mg/kg | 0.40 | 0.14 | 1               | 09/27/11 15:07 | 09/28/11 13:22 | 1,6010B           | MS      |
| Barium, Total                                                         | ND               | mg/kg | 0.40 | 0.03 | 1               | 09/27/11 15:07 | 09/28/11 13:22 | 1,6010B           | MS      |
| Cadmium, Total                                                        | ND               | mg/kg | 0.40 | 0.03 | 1               | 09/27/11 15:07 | 09/28/11 13:22 | 1,6010B           | MS      |
| Copper, Total                                                         | ND               | mg/kg | 0.40 | 0.18 | 1               | 09/27/11 15:07 | 09/28/11 13:22 | 1,6010B           | MS      |
| Lead, Total                                                           | ND               | mg/kg | 2.0  | 0.11 | 1               | 09/27/11 15:07 | 09/28/11 13:22 | 1,6010B           | MS      |

### Prep Information

Digestion Method: EPA 3050B

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 264 N. 10TH ST.

Project Number: 11338

Lab Number: L1115368

Report Date: 09/29/11

| Parameter                                                                                               | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD Limits |
|---------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|------------|
| Total Metals - Westborough Lab Associated sample(s): 01-03 Batch: WG492515-2 SRM Lot Number: 0518-10-02 |                  |      |                   |      |                     |     |      |            |
| Mercury, Total                                                                                          | 114              |      | -                 |      | 67-133              | -   |      |            |
| Total Metals - Westborough Lab Associated sample(s): 01-03 Batch: WG492697-2                            |                  |      |                   |      |                     |     |      |            |
| Arsenic, Total                                                                                          | 94               |      | -                 |      | 75-125              | -   |      |            |
| Barium, Total                                                                                           | 85               |      | -                 |      | 75-125              | -   |      |            |
| Cadmium, Total                                                                                          | 89               |      | -                 |      | 75-125              | -   |      |            |
| Copper, Total                                                                                           | 85               |      | -                 |      | 75-125              | -   |      |            |
| Lead, Total                                                                                             | 92               |      | -                 |      | 75-125              | -   |      |            |

### Matrix Spike Analysis Batch Quality Control

**Project Name:** 264 N. 10TH ST.  
**Project Number:** 11338

**Lab Number:** L1115368  
**Report Date:** 09/29/11

| Parameter                                                                                                                         | Native Sample | MS Added | MS Found | MS %Recovery | MSD Qual | MSD Found | MSD %Recovery | MSD Qual | Recovery Limits | RPD | RPD Qual | RPD Limits |
|-----------------------------------------------------------------------------------------------------------------------------------|---------------|----------|----------|--------------|----------|-----------|---------------|----------|-----------------|-----|----------|------------|
| Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG492515-4 QC Sample: L1115368-01 Client ID: B-12 (10-12) |               |          |          |              |          |           |               |          |                 |     |          |            |
| Mercury, Total                                                                                                                    | 0.08J         | 0.157    | 0.32     | 203          | Q        | -         | -             |          | 70-130          | -   |          | 35         |
| Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG492697-4 QC Sample: L1115368-01 Client ID: B-12 (10-12) |               |          |          |              |          |           |               |          |                 |     |          |            |
| Arsenic, Total                                                                                                                    | 2.0           | 10.8     | 12       | 92           |          | -         | -             |          | 75-125          | -   |          | 35         |
| Barium, Total                                                                                                                     | 47.           | 181      | 200      | 85           |          | -         | -             |          | 75-125          | -   |          | 35         |
| Cadmium, Total                                                                                                                    | ND            | 4.61     | 4.0      | 87           |          | -         | -             |          | 75-125          | -   |          | 35         |
| Copper, Total                                                                                                                     | 19.           | 22.6     | 38       | 84           |          | -         | -             |          | 75-125          | -   |          | 35         |
| Lead, Total                                                                                                                       | 41.           | 46.1     | 120      | 171          | Q        | -         | -             |          | 75-125          | -   |          | 35         |

**Lab Duplicate Analysis**  
**Batch Quality Control**

**Project Name:** 264 N. 10TH ST.

**Project Number:** 11338

**Lab Number:** L1115368

**Report Date:** 09/29/11

| Parameter                                                                                                                         | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|-----------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------|------------|
| Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG492515-3 QC Sample: L1115368-01 Client ID: B-12 (10-12) |               |                  |       |     |      |            |
| Mercury, Total                                                                                                                    | 0.08J         | 0.10             | mg/kg | NC  |      | 35         |
| Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG492697-3 QC Sample: L1115368-01 Client ID: B-12 (10-12) |               |                  |       |     |      |            |
| Arsenic, Total                                                                                                                    | 2.0           | 1.9              | mg/kg | 5   |      | 35         |

# **INORGANICS & MISCELLANEOUS**

Project Name: 264 N. 10TH ST.

Project Number: 11338

Lab Number: L1115368

Report Date: 09/29/11

## SAMPLE RESULTS

Lab ID: L1115368-01

Client ID: B-12 (10-12)

Sample Location: BROOKLIN, NY

Matrix: Soil

Date Collected: 08/31/11 09:16

Date Received: 08/31/11

Field Prep: Not Specified

| Parameter                           | Result | Qualifier | Units | RL   | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |      |     |                    |                  |                  |                      |         |
| Solids, Total                       | 85     |           | %     | 0.10 | NA  | 1                  | -                | 09/28/11 10:52   | 30,2540G             | MD      |



Project Name: 264 N. 10TH ST.

Lab Number: L1115368

Project Number: 11338

Report Date: 09/29/11

## SAMPLE RESULTS

Lab ID: L1115368-02

Date Collected: 08/31/11 12:00

Client ID: B-15 (9'-11')

Date Received: 08/31/11

Sample Location: BROOKLIN, NY

Field Prep: Not Specified

Matrix: Soil

| Parameter                           | Result | Qualifier | Units | RL   | MDL | Dilution Factor | Date Prepared | Date Analyzed  | Analytical Method | Analyst |
|-------------------------------------|--------|-----------|-------|------|-----|-----------------|---------------|----------------|-------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |      |     |                 |               |                |                   |         |
| Solids, Total                       | 66     |           | %     | 0.10 | NA  | 1               | -             | 09/28/11 10:52 | 30,2540G          | MD      |



**Project Name:** 264 N. 10TH ST.**Lab Number:** L1115368**Project Number:** 11338**Report Date:** 09/29/11**SAMPLE RESULTS****Lab ID:** L1115368-03**Date Collected:** 08/31/11 14:00**Client ID:** B-2 (8'-10')**Date Received:** 08/31/11**Sample Location:** BROOKLIN, NY**Field Prep:** Not Specified**Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL   | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |      |     |                    |                  |                  |                      |         |
| Solids, Total                       | 66     |           | %     | 0.10 | NA  | 1                  | -                | 09/28/11 10:52   | 30,2540G             | MD      |



## Lab Duplicate Analysis

Batch Quality Control

Project Name: 264 N. 10TH ST.

Project Number: 11338

Lab Number: L1115368

Report Date: 09/29/11

| Parameter                                                                                                                            | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|--------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------|------------|
| General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG492695-1 QC Sample: L1115337-02 Client ID: DUP Sample |               |                  |       |     |      |            |
| Solids, Total                                                                                                                        | 88.           | 87               | %     | 1   |      | 20         |

Project Name: 264 N. 10TH ST.

Lab Number: L1115368

Project Number: 11338

Report Date: 09/29/11

**Sample Receipt and Container Information**

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

**Cooler Information Custody Seal****Cooler**

A Absent

B Absent

**Container Information**

| Container ID | Container Type          | Cooler | pH  | Temp deg C | Pres | Seal   | Analysis(*)                                                |
|--------------|-------------------------|--------|-----|------------|------|--------|------------------------------------------------------------|
| L1115368-01A | Amber 120ml unpreserved | A      | N/A | 3.3        | Y    | Absent | AS-TI(180),TS(7),HG-T(28)                                  |
| L1115368-02A | Amber 120ml unpreserved | B      | N/A | 3.2        | Y    | Absent | BA-TI(180),TS(7),CU-TI(180),PB-TI(180),HG-T(28),CD-TI(180) |
| L1115368-03A | Amber 120ml unpreserved | B      | N/A | 3.2        | Y    | Absent | TS(7),CU-TI(180),HG-T(28)                                  |

\*Values in parentheses indicate holding time in days

**Project Name:** 264 N. 10TH ST.  
**Project Number:** 11338

**Lab Number:** L1115368  
**Report Date:** 09/29/11

## GLOSSARY

### Acronyms

|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EPA  | - Environmental Protection Agency.                                                                                                                                                                                                                                                                                                                                                                                                                        |
| LCS  | - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.                                                                                                                                                                                                                                                         |
| LCSD | - Laboratory Control Sample Duplicate: Refer to LCS.                                                                                                                                                                                                                                                                                                                                                                                                      |
| LFB  | - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.                                                                                                                                                                                                                                                        |
| MDL  | - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.                                                                                                                         |
| MS   | - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.                                                                                                                                                                                                                                                  |
| MSD  | - Matrix Spike Sample Duplicate: Refer to MS.                                                                                                                                                                                                                                                                                                                                                                                                             |
| NA   | - Not Applicable.                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| NC   | - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.                                                                                                                                                                                                                                                                                                          |
| NI   | - Not Ignitable.                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| RL   | - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.                                                                                                                                                                                                                                  |
| RPD  | - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report. |
| SRM  | - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.                                                                                                                                                                                                                                                                                                    |

### Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

### Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

### Data Qualifiers

|           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>A</b>  | - Spectra identified as "Aldol Condensation Product".                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>B</b>  | - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. |
| <b>C</b>  | - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>D</b>  | - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>E</b>  | - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>G</b>  | - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>H</b>  | - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>I</b>  | - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>M</b>  | - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>NJ</b> | - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

Report Format: DU Report with "J" Qualifiers



**Project Name:** 264 N. 10TH ST.  
**Project Number:** 11338

**Lab Number:** L1115368  
**Report Date:** 09/29/11

**Data Qualifiers**

- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL). This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample.

Report Format: DU Report with "J" Qualifiers

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**Project Name:** 264 N. 10TH ST.  
**Project Number:** 11338

**Lab Number:** L1115368  
**Report Date:** 09/29/11

## REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.
- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



## Certificate/Approval Program Summary

Last revised September 19, 2011 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.  
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

### Connecticut Department of Public Health Certificate/Lab ID: PH-0574. **NELAP Accredited Solid Waste/Soil.**

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB), 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223 P/A), E. Coli. – Colilert (SM9223 P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D))

*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E).)

*Solid Waste/Soil* (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3,3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

### Maine Department of Human Services Certificate/Lab ID: 2009024.

*Drinking Water* (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500CI-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500CI-D, 4500CI-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223D, 9222D. Organic Parameters: 608, 8081, 8082, 8330, 8151A, 624, 8260, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

*Solid Waste/Soil* (Inorganic Parameters: 9010B, 9012A, 9014A, 9040B, 9045C, 6010B, 7471A, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8330, 8151A, 8081A, 8082, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

### Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.

*Drinking Water* (Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

**New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. *NELAP Accredited.***

*Drinking Water* (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3550B, 3580A, 3630C, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

**New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. *NELAP Accredited.***

*Drinking Water* (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500CI-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 6020A, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, 3015, EPA 6010B, 6010C, 7196A, 3060A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8081B, 8082, 8082A, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846, 6010B, 6010C, 7196A, 3060A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

**New York Department of Health Certificate/Lab ID: 11148. *NELAP Accredited.***

*Drinking Water* (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B.. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

*Solid & Hazardous Waste* (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

**North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.**

**Pennsylvania Department of Environmental Protection** Certificate/Lab ID: 68-03671. **NELAP Accredited.**  
*Drinking Water* (Organic Parameters: EPA 524.2, 504.1)

*Non-Potable Water* (Inorganic Parameters: EPA 1312, 200.7, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE,  
Organic Parameters: EPA 3510C, 3005A, 3630C, 5030B, 625, 624, 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 6010B, 7196A, 7471A,  
 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3545, 3546, 3550B,  
 3580A, 3630C, 5035, 8015B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

**Rhode Island Department of Health** Certificate/Lab ID: LAO00065. **NELAP Accredited via NY-DOH.**  
 Refer to MA-DEP Certificate for Potable and Non-Potable Water.  
 Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

**Texas Commission on Environmental Quality** Certificate/Lab ID: T104704476-09-1. **NELAP Accredited.**  
*Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2,  
 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C,  
 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S<sup>2-</sup> D, 510C, 5210B, 5220D,  
 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

**Department of Defense** Certificate/Lab ID: L2217.  
*Drinking Water* (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 332.0,  
 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015,  
 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH,  
 MassDEP VPH.)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B,  
 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082,  
 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

**The following analytes are not included in our current NELAP/TNI Scope of Accreditation:**

**EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine,  
 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnaphthalenes, Total  
 Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total  
 Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO<sub>2</sub> in a soil matrix, NO<sub>3</sub> in a soil matrix, SO<sub>4</sub>  
 in a soil matrix.



WESTBORO, MA  
TEL: 508-898-9220  
FAX: 508-898-9193

MANSFIELD, MA  
TEL: 508-822-3300  
FAX: 508-822-3299

# CHAIN OF CUSTODY

PAGE 1 of 3

### Client Information

Client: **AKRF, Inc.**  
Address: **34 South Braintree Street**  
**White Plains, NY 10601**  
Phone: **(914) 949-7336**  
Fax: **(914) 949-7559**  
Email: **Mgodick@akrf.com**

### Project Information

Project Name: **Z64 N. 10th St.**  
Project Location: **Brooklyn, NY**  
Project #: **11338**  
Project Manager: **Marc Godick**  
ALPHA Quote #: **Turn-Around Time**

Other Project Specific Requirements/Comments/Detection Limits:  
 These samples have been previously analyzed by Alpha

Standard  RUSH (only confirmed if pre-approved)  
Date Due: **9/31/11** Time: **11:00 AM**

Date Rec'd in Lab: **9/31/11**

### Report Information - Data Deliverables

FAX  EMAIL  
 MADEX  Add'l Deliverables

### Regulatory Requirements/Report Limits

State/Fed Program: **NYS DEC** Criteria: **Part 375 DECORS**

### Billing Information

ALPHA Job #: **1110555**  
 Same as Client Info PO #: **1110555**

| ANALYSIS        |                                     |
|-----------------|-------------------------------------|
| Copper          | <input checked="" type="checkbox"/> |
| Mercury         | <input checked="" type="checkbox"/> |
| Arsenic         | <input checked="" type="checkbox"/> |
| Barium          | <input checked="" type="checkbox"/> |
| Cadmium         | <input checked="" type="checkbox"/> |
| Lead            | <input checked="" type="checkbox"/> |
| REL VOCs (GAS)  | <input checked="" type="checkbox"/> |
| REL SVOCs (GAS) | <input checked="" type="checkbox"/> |

**SAMPLE HANDLING**  
 Filtration: \_\_\_\_\_  
 Done  
 Not needed  
 Lab to do  
 Preservation  
 Lab to do  
 (Please specify below)

TOTAL # BOTTLES

| ALPHA LAB ID<br>(Lab Use Only) | Sample ID     | Collection |       | Sample Matrix | Sampler's Initials | Container Type                      |                                     |                                     |                                     |                                     |                                     | Date/Time                           |   |
|--------------------------------|---------------|------------|-------|---------------|--------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|---|
|                                |               | Date       | Time  |               |                    | A                                   | A                                   | A                                   | A                                   | A                                   | A                                   |                                     |   |
| 13555-1                        | B-12 (6-8')   | 8/31/11    | 05:10 | S             | SG                 | <input checked="" type="checkbox"/> | 1 |
|                                | B-12 (8-10')  |            | 09:14 | S             | SG                 | <input checked="" type="checkbox"/> | 1 |
| 15308-01-3                     | B-12 (10-12') |            | 09:16 | S             | SG                 | <input checked="" type="checkbox"/> | 1 |
|                                | B-15 (5-7')   |            | 11:55 | S             | SG                 | <input checked="" type="checkbox"/> | 1 |
|                                | B-15 (7-9')   |            | 11:58 | S             | SG                 | <input checked="" type="checkbox"/> | 1 |
|                                | B-15 (9-11')  |            | 12:00 | S             | SG                 | <input checked="" type="checkbox"/> | 1 |
|                                | B-8 (6-8')    |            | 12:30 | S             | SG                 | <input checked="" type="checkbox"/> | 1 |
|                                | B-8 (8-10')   |            | 12:32 | S             | SG                 | <input checked="" type="checkbox"/> | 1 |
|                                | B-2 (4-6')    |            | 13:50 | S             | SG                 | <input checked="" type="checkbox"/> | 1 |
|                                | B-2 (6-8')    | 8/31/11    | 13:55 | S             | SG                 | <input checked="" type="checkbox"/> | 1 |

Requested By: **[Signature]** Date/Time: **8/31/11 15:00**  
 Received By: **[Signature]** Date/Time: **8/31/11 15:23**

FORM NO. 01-01 (Rev. 14-OCT-07)

Please print clearly, legibly and completely. Samples can only be logged in and turnaround time clock will not start until any ambiguities are resolved. Samples submitted are subject to Alpha's terms and conditions. See reverse side.

1115308

9/27/11



**APPENDIX 7**

**SPECIFICATIONS FOR VAPOR BARRIER/WATERPROOFING  
MEMBRANE**

**SECTION 13284**  
**VAPOR BARRIER**  
**FOUNDATION-RELATED WORK**

**PART 1 - GENERAL**

**1.01 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.
- B. Related sections include:
  - 1. Section XXXXX: WATER PROOFING
- C. Related Documents
  - 1. All work shall be consistent with the Remedial Action Work Plan (RAWP) prepared by AKRF Engineering, P.C.
  - 2. Remedial Investigation Report, prepared by AKRF, Inc.

**1.02 SUMMARY**

- A. Work Included: This Section generally includes work related to installation of the under slab vapor barrier, Preprufe 300 or approved equal.
- B. The Contractor shall supply all labor, materials, equipment, services, insurance, and incidentals necessary or required to perform the work in accordance with applicable governmental regulations and these specifications.
- C. Extent of Work: Vapor barrier to be applied below foundation slab and all below-grade sidewalls and pits of the building. Install the vapor barrier to prevent vapors from entering from below the slab, sidewalls, and any underground pits.
- D. The Contractor shall assume full responsibility and liability for compliance with all applicable Federal, State, and local regulations pertaining to work practices, materials, installation, and inspection of the vapor barrier. Contractor is responsible to advise the Owner or his/her Consultant of any conflict between applicable regulatory requirements and this specification.

**1.03 SUBMITTALS**

- A. General: Refer to and comply with Division 1 “Submittal Procedures”, for procedures and additional submittal criteria.

- B. Product Data: Provide the manufacturer's product data for vapor barrier and any other materials proposed, including all related accessories, dimensional data, and installation instructions.
- C. Shop Drawings: Submit shop drawings for vapor barrier and any other materials proposed, including all related accessories, dimensional data, and installation instructions. Submit itemized pipe and fitting materials for each specified application.
- D. Certifications: Submit Certification signed by the Contractor and the Installer of the vapor barrier stating that the installed materials conform to the specified requirements, that the system was successfully inspected prior to covering, and manufacturer's warranty documentation is provided.
- E. As-Built Drawings: Provide as-built drawings giving actual locations and dimensions of completed vapor barrier.
- F. Warranty: Provide completed warranty documentation from manufacturer of vapor barrier.

#### **1.04 APPLICABLE STANDARDS, REGULATIONS, AND CODES**

- A. All Federal, state, and local regulations, codes, and ordinances, as applicable.
- B. ASTM E1643 Standard Practice for Installation of Water Vapor Retarders Used in Contact with Earth or Granular Fill Under Concrete Slabs

#### **1.05 COORDINATION**

- A. Coordinate location and installation of vapor barrier with installation of under slab foundations, pits, sumps and utilities.

#### **1.06 JOB CONDITIONS**

- A. Perform work only when existing and forecasted weather conditions are within manufacturer's recommendations for the material and product used.
- B. The Contractor shall coordinate with all trades involved, the scheduling of excavation and backfill to ensure that all necessary components of work due to be buried are installed, thus avoiding duplication of excavation work, unless otherwise shown on the Drawings or noted in other sections of the documents. No other work should be performed in areas above an installed vapor barrier section until the Owner's Representative has approved it. The Contractor shall verify that there are no interferences with other existing or proposed subsurface systems.
- C. All plumbing, electrical, mechanical and structural items to be under or passing through the vapor barrier shall be positively secured in their proper positions and appropriately protected prior to membrane application.
- D. Surface preparation shall be per manufacturer's specification.

**1.07 DELIVERY, STORAGE, AND HANDLING**

- A. Deliver materials to the site in original unbroken packages bearing manufacturer’s label showing brand, weight, volume, and batch number. Deliver materials to the site only after the submittals have been reviewed and approved.
- B. Store materials at the site in strict compliance with manufacturer’s instructions. Store materials in a clean, dry area on-site. Do not allow materials to freeze in containers.
- C. Protect materials during handling and installation to prevent damage. Replace any damaged materials at no cost to the Owner unless the damaged material can be repaired per the manufacturer’s requirements and to the satisfaction of the Owner and such that foundation vapor protection is not compromised.

**PART 2 - PRODUCTS**

**2.01 MATERIALS**

- A. Vapor Barrier
  - 1. Preprufe 300 or approved equal, Contractor required to seal vapor barrier to footings, pile caps, and grade beams and to continuously seal all seams and penetrations as per manufacturer’s instructions (Attachment A).
- B. GENERAL  
Provide additional installation accessories as necessary. Ensure accessories are from same manufacturer as product.

**PART 3 - EXECUTION**

**3.01 EXAMINATION/INSPECTION**

- A. At a minimum, all components identified on the following Inspection Schedule for the installation of the vapor barrier shall be inspected and approved by the Owner’s Representative prior to completing each phase of work. Additional inspections, examinations and quality control measures may be required as per manufacturer’s recommendation and are the responsibility of the Contractor.
- B. The Owner reserves the right to perform additional inspections or quality control tests as deemed necessary by the Owner at any point during the construction process at no additional cost to the Owner.

| # | Inspections                                                                     |
|---|---------------------------------------------------------------------------------|
| 1 | All vapor barrier appurtenances and seals.                                      |
| 2 | Application of vapor barrier at all penetrations and foundation contact points. |
| 3 | Final Inspection of all vapor barrier prior to concrete slab pours.             |
| 4 | Final inspection of completed system.                                           |

### **3.02 SURFACE PREPARATION**

Preparation of all surfaces prior to the installation of the vapor barrier shall be as specified in the Contract Documents and Drawings.

### **3.03 INSTALLATION**

- A. All components of the vapor barrier shall be installed as specified in the Contract Documents and Drawings.
- B. Application of Vapor Barrier
  - 1. Preprufe 300, or approved equal, shall be installed in accordance with manufacturer's recommendations (Attachment A).
  - 2. The vapor barrier consists of the placement of the sealing of all concrete joints, contact points and penetration piping with the manufacturer's recommended materials.
  - 3. The vapor barrier shall be applied horizontally to create a continuous vapor barrier beneath the entire footprint of the building, with durable seals to every footing and penetration to ensure a single membrane layer. All horizontal application of the vapor barrier shall be on top of the prepared subgrade and immediately below the poured slab. The vapor barrier shall also be installed vertically on all below-grade sidewalls of the building and/or pits.

### **3.04 PROTECTION**

It is the responsibility of the Contractor to ensure that no damage occurs to components of the vapor barrier prior to, during or following installation of the system, or during any subsequent performance of construction for the facility as identified on the contract drawings and plans. This includes the installation of all subsurface utilities required for the operation of building systems. Any damages to the vapor barrier during performance of the Work shall be repaired and tested at no additional cost to the Owner.

### **3.05 SUBMITTALS**

Provide all submittals listed in Section 1.03 of this specification.

**END OF SECTION**

**ATTACHMENT A**

# GRACE

## Construction Products

### 1. Product Name

Preprufe® 300R and 160R Waterproofing Systems

### 2. Manufacturer

Grace Construction Products  
62 Whittemore Avenue  
Cambridge, MA 02140  
(866) 333-3SBM (3726)  
Fax: (617) 498-4311  
www.graceconstruction.com

### 3. Product Description

#### BASIC USE

Preprufe® 300R and Preprufe 160R membranes are used in blind side waterproofing applications where positive side waterproofing is desired but the positive side of the structure is not accessible once the concrete is poured.

Preprufe 300R Membrane is used primarily in under slab and below-grade split slab applications. Preprufe 300R Membrane is applied over properly prepared earth, stone or concrete. Concrete is cast against the adhesive side of the membrane. Preprufe 300R Membrane incorporates an exceptionally tough HDPE film and is designed to allow foot traffic directly on the membrane during construction.

Preprufe 160R Membrane is used in vertical applications. It is applied to properly prepared soil retention systems and concrete is cast against the membrane.

#### COMPOSITION & MATERIALS

Preprufe 300R and Preprufe 160R membranes are multilayered composite sheets consisting of an exceptionally tough HDPE film, a specially formulated synthetic pressure sensitive adhesive and a protective coating.

#### ACCESSORY COMPONENTS

- Preprufe Tape
- Preprufe Tieback Cover
- Bituthene® Liquid Membrane
- Preprufe CJ Tape

### 4. Technical Data

#### APPLICABLE STANDARDS

ASTM International

- ASTM C836 Standard Specification for High Solids Content, Cold Liquid-Applied Elastomeric Waterproofing Membrane for Use with Separate Wearing Course
- ASTM D412 Standard Test Methods for Vulcanized Rubber and Thermoplastic Rubbers and Thermoplastic Elastomers-Tension
- ASTM D570 Standard Test Method for Water Absorption of Plastics
- ASTM D882 Standard Test Method for Tensile Properties of Thin Plastic Sheet
- ASTM D903 Standard Test Method for Peel or Stripping Strength of Adhesive Bonds
- ASTM D1876 Standard Test Method for Peel Resistance of Adhesives (T-Peel Test)
- ASTM D1970 Standard Specification for Self-Adhering Polymer Modified Bituminous Sheet Materials Used as Steep Roofing Underlayment for Ice Dam Protection
- ASTM D3767 Standard Practice for Rubber-Measurement of Dimensions
- ASTM D5385 Standard Test Method for Hydrostatic Pressure Resistance of Waterproofing Membranes
- ASTM E96 Standard Test Methods for Water Vapor Transmission of Materials
- ASTM E154 Standard Test Methods for Water Vapor Retarders Used in Contact with Earth Under Concrete Slabs, on Walls, or as Ground Cover

#### PHYSICAL PROPERTIES

For detailed information on the physical properties of Preprufe 300R and Preprufe 160R Membranes, see Table 1.

### 5. Installation

Apply membranes when ambient temperatures are 25 degrees F (-4 degrees C) or above. Substrates must be smooth and sound with no gaps or voids in excess of 1/2" (13 mm).

#### FORMING SYSTEMS

It is very important to specify a forming system that is compatible with the Preprufe system. One-sided wall forming systems are clearly the best choice since there are no form ties used in this system. Therefore, there are no penetrations to the waterproofing layer. Other compatible systems include gang forms with load gathering form ties. These systems minimize the number of penetrations.

Hand set forming systems or, more specifically, use of form ties with ultimate load capabilities of less than 10,000 lb (44,500 N) per tie are not recommended. These systems have many form ties that penetrate the waterproofing.

#### Formwork

On vertical applications, use one-sided wall forming systems to minimize punctures in the membrane after the membrane is installed. Review Technical Letter "Forming Systems for use with Preprufe 160R Membrane."

#### APPLICATION

##### Vertical Applications

Apply the membrane with the thick white HDPE film side facing the prepared substrate and the protective coating side facing the concrete to be poured. The membrane may be installed in any convenient length vertically. For lengths of membrane greater than 8' (2.4 m), mechanically fasten the membrane at 2' (0.6 m) intervals centered in the self-adhesive selvedge prior to making the side lap, using small head nails or staples.

Using the lap line as a guide, apply subsequent sheets overlapping the in-place sheet 3" (75 mm) along the self-adhesive selvedge of the membrane. Avoid overlapping membrane beyond the guideline to prevent fishmouths. Should they occur, apply Preprufe Tape centered over the fishmouth, roll firmly to form a tight seal and remove release liner.

It is important that all nail heads be covered with the overlapping sheets of membrane. Side laps must be immediately rolled firmly to ensure a tight seal. A metal seam roller is recommended. To maximize adhesion in colder temperatures or in damp conditions, apply gentle heat to the lap area using a hot air gun (see Technical Letters). Overlap the ends of the membrane a minimum of 3" (75 mm). Remove and discard the release liner from both sheets. Apply Preprufe Tape centered over the end lap and edges of membrane not sealed by selvedge. Roll firmly to form a tight seal. Remove release liner from tape and discard.

For additional protection, Hydroduct® Tape may be applied between the sheets in the end lap area prior to application of the Preprufe Tape. Secure the top termination of the membrane with a termination bar and fasteners.

If the top termination is to be covered by the concrete pour, a strip of Preprufe CJ Tape must be placed over the termination bar and fasteners. Place the termination bar 2" (50 mm)

below the top edge of the membrane. If the membrane will tie into subsequent sheets of Preprufe, Bituthene Membrane or other waterproofing, leave an additional 12" (300 mm) length of Preprufe 160R membrane. Protect this length from damage and do not remove the release liner. This length of clean membrane will be used to complete the appropriate waterproofing details after the concrete or lift is poured.

**Horizontal Applications**

Roll out the membrane with the thick white HDPE film side facing the prepared substrate and the protective coating side facing the concrete to be poured. Remove the clear release liner at the time of installation. Using the lap line as a guide, align and roll out subsequent sheets overlapping the in-place sheet 3" (75 mm) along the self-adhesive selvage of the membrane. Side laps must be immediately rolled firmly to ensure a tight seal. A heavy metal seam roller is recommended.

Avoid overlapping membrane beyond the guideline to prevent fishmouths. Should this occur, apply Preprufe Tape centered over the fishmouth, roll firmly to form a tight seal and remove release liner. To maximize adhesion in

cooler temperatures or in damp conditions, apply gentle heat to the lap area using a hot air gun (see Technical Letters section of website). The membrane may be installed in any convenient length. Overlap the ends of the membrane 3" (75 mm) and remove and discard the release liner from both sheets. Apply Preprufe Tape centered over the end lap and edges of membrane not sealed by selvage. Roll firmly to form a tight seal. Remove release liner from tape and discard.

For additional protection, Hydroduct Tape may be applied between the sheets in the end lap area prior to application of the Preprufe Tape.

**Internal & External Corners**

Install the Preprufe Membrane according to standard application instructions detailed for vertical and horizontal applications above. Internal and external corners should be formed as shown in the Detail Drawings returning the membrane a minimum of 4" (100 mm).

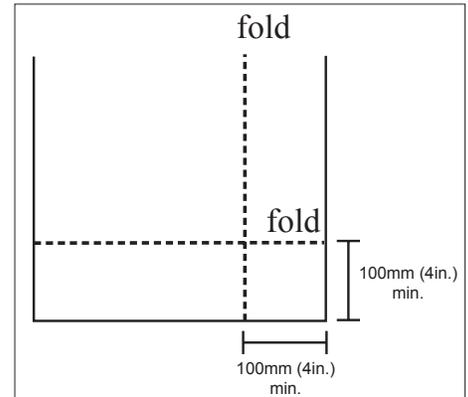


Figure 1

**Internal Corners**

Fold the membrane as indicated in Figure 1. Crease the fold with nominal hand pressure to ensure a close fit to the substrate profile and avoid hollows. With the white coating facing toward the concrete, ensure that the apex of the corner is covered and sealed with Preprufe Tape. Remove release liner and roll firmly.

**External Corners**

Fold the membrane as indicated in Figure 1. Crease the fold with nominal hand pressure to

TABLE 1 PHYSICAL PROPERTIES OF PREPRUFE 160R AND PREPRUFE 300R MEMBRANES

| Property & test method                                                     | Typical values                                 |                                                |
|----------------------------------------------------------------------------|------------------------------------------------|------------------------------------------------|
|                                                                            | Preprufe 160R Membrane                         | Preprufe 300R Membrane                         |
| Color                                                                      | White                                          | White                                          |
| Thickness, ASTM D3767, Method A                                            | 0.032" (0.8 mm) nominal                        | 0.046" (1.2 mm) nominal                        |
| Low temperature flexibility, ASTM D1970                                    | Unaffected at -10°F (-23°C)                    | Unaffected at -10°F (-23°C)                    |
| Resistance to hydrostatic head, minimum, ASTM D5385, Modified <sup>1</sup> | 23T (70 m)                                     | 23T (70 m)                                     |
| Elongation, minimum, ASTM D412, Modified <sup>2</sup>                      | 300%                                           | 300%                                           |
| Tensile strength, film, minimum, ASTM D882                                 | 4000 psi (27.6 MPa)                            | 4000 psi (27.6 MPa)                            |
| Crack cycling, at -10°F (-23°C), 100 cycles, ASTM C836                     | Unaffected                                     | Unaffected                                     |
| Puncture resistance, minimum, ASTM E154                                    | 100 lb (445 N)                                 | 221 lb (990 N)                                 |
| Peel adhesion to concrete, minimum, ASTM D903, Modified <sup>3</sup>       | 5.0 lb/in width (880 N/m)                      | 5.0 lb/in width (880 N/m)                      |
| Lap peel adhesion, ASTM D1876, Modified <sup>4</sup>                       | 2.5 lb/in width (440 N/m)                      | 2.5 lb/in width (440 N/m)                      |
| Permeance to water vapor transmission, maximum, ASTM D96, Method B         | 0.01 perms (0.6 ng/(Pa × s × m <sup>2</sup> )) | 0.01 perms (0.6 ng/(Pa × s × m <sup>2</sup> )) |
| Water absorption, maximum, ASTM D570                                       | 0.5%                                           | 0.5%                                           |

<sup>1</sup> Hydrostatic head tests of Preprufe Membranes are performed by casting concrete against the membrane with a lap. Before the concrete cures, a 0.125" (3 mm) spacer is inserted perpendicular to the membrane to create a gap. The cured block is placed in a chamber where water is introduced to the membrane surface up to the head indicated.

<sup>2</sup> Elongation of membrane is run at a rate of 2" (51 mm) per minute.

<sup>3</sup> Concrete is cast against the protective coating surface of the membrane and allowed to properly dry (7 days minimum). Peel adhesion of membrane to concrete is measured at a rate of 2" (51 mm) per minute at room temperature.

<sup>4</sup> The test is conducted 15 minutes after the lap is formed (per Grace published recommendations) and run at a rate of 2" (51 mm) per minute at 25°F (-4°C).

ensure a close fit to the substrate profile and avoid hollows. Cut the Preprufe membrane in order to wrap around corner. With the white coating facing toward the concrete, ensure that the apex of the corner is covered and sealed with Preprufe Tape. Remove release liner and roll firmly.

**Round Penetrations**

For Service Pipes, Lighting Conduit, Piles, etc. - Follow these steps to seal around penetrations:

1. All penetrations must be firmly secured and stable. Grout around all penetrations that are not stable. Clean loose dust or dirt from the penetration surface using a clean, dry cloth or brush. Remove rust, if applicable, with a wire brush and wipe clean.
2. Cut the field membrane tight to the penetration and remove release liner. If membrane is not within 1/2" (12 mm) of penetration and not more than 2" (50 mm) from penetration, apply Preprufe Tape to cover the gap. Roll firmly into place and remove release liner. If the membrane is greater than 2" (51 mm) from penetration, install more Preprufe Membrane to cover the gap, repeating these instructions until Preprufe

Membrane/Tape is within 1/2" (12 mm).

3. Mix and apply Bituthene Liquid Membrane around the penetration. Liquid Membrane should be placed to form a minimum 1" (25.4 mm) continuous fillet between the Preprufe Membrane/Tape and the base of the penetration.
4. Cut a patch of Preprufe Membrane that is a minimum of 12" (300 mm) larger than the diameter or width of the penetration so that the patch extends 6" (150 mm) beyond the penetration in all directions. Remove the release liner and center the patch over penetration and trace/draw the penetration profile onto the patch. Using sheers or a utility knife, make relief cuts through the membrane. Triangles formed by making a

relief cut are not to exceed 2" (50 mm) in height when placed over penetration. In other words, penetration diameters greater than 4" (100 mm) need to be trimmed. Remove and discard release liner.

5. Slide the patch over penetration and press into the partially cured Liquid Membrane. Ensure that the patch is pressed firmly into the Liquid Membrane and is positioned directly onto the Preprufe Field Membrane/Tape below. Using a trowel, smooth out any Liquid Membrane that has flowed out of the relief cut.
6. Apply Preprufe Tape centered over the edges of the patch and roll firmly to form a tight seal. Remove release liner from tape and discard.
7. Wrap the penetration with Preprufe Tape, positioning the tape at the base of the patch. Remove enough release liner to overlap Tape onto itself and roll/press firmly into place. Remove remaining release liner and discard.

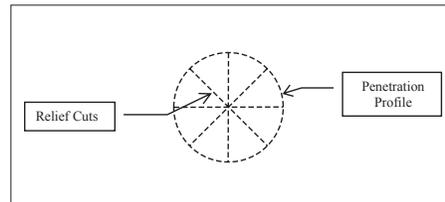


Figure 2

**Straight Edge Penetrations**

For square piles, steel columns, walers, rakers, etc. - Follow these steps to seal around

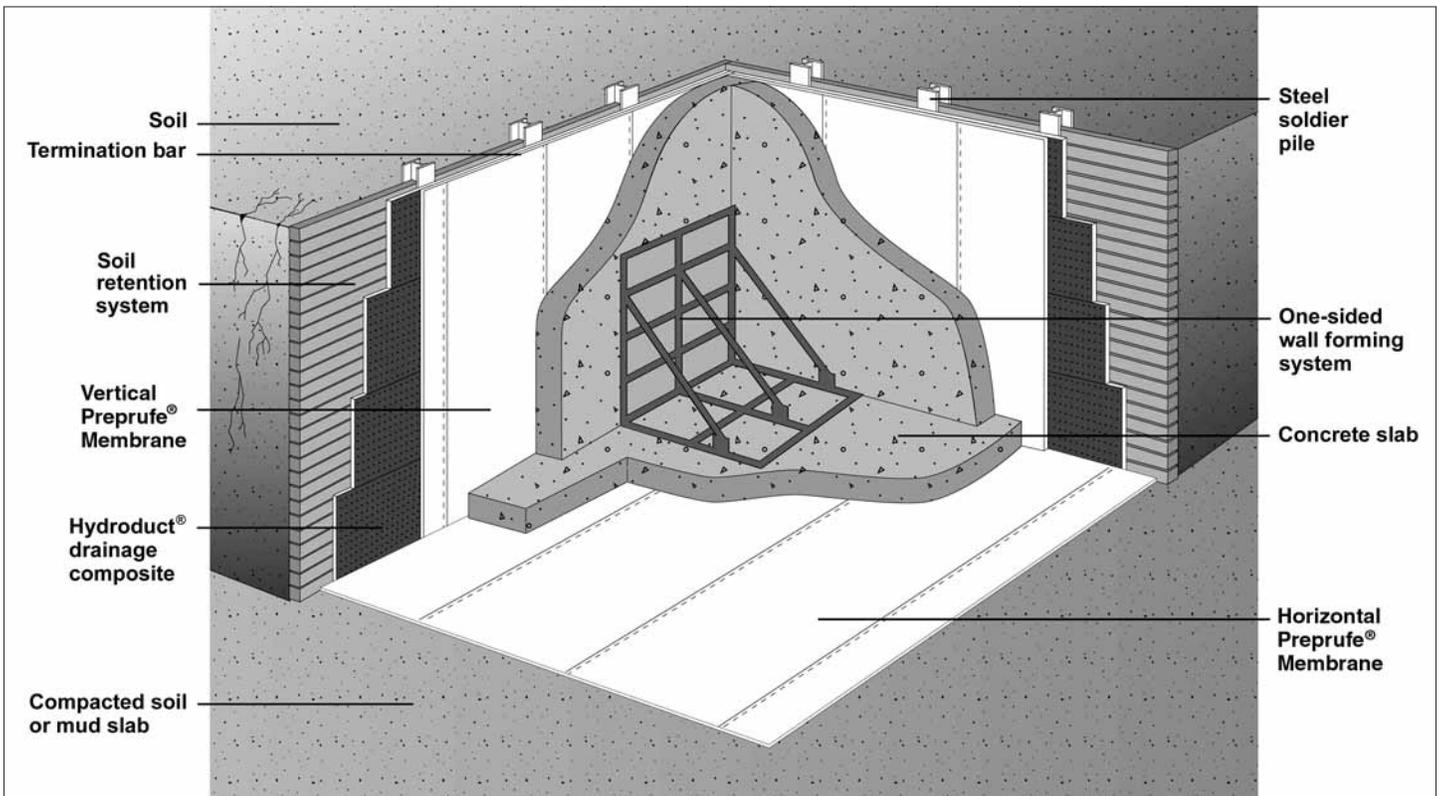


Figure 3 Preprufe® Waterproofing Systems

penetrations:

1. All penetrations must be firmly secured and stable. Grout around all penetrations that are not stable. Clean loose dust or dirt from the penetration surface using a clean, dry cloth or brush. Remove rust, if applicable, with a wire brush and wipe clean.
2. Cut the field membrane tight to the penetration and remove release liner. If membrane is not within 1/2" (12 mm) of penetration and not more than 2" (51 mm) from penetration, apply Preprufe Tape to cover the gap. Roll firmly into place and remove release liner. If the membrane is greater than 2" (51 mm) from penetration, install more Preprufe Membrane to cover the gap repeating these instructions until Preprufe Membrane/Tape is within 1/2" (12 mm).
3. Mix and apply Bituthene Liquid Membrane around the penetration. Liquid Membrane should be placed to form a minimum 1" (25.4 mm) continuous fillet between the Preprufe Membrane/Tape and the base of the penetration. Apply a 90 mil (2.2 mm) continuous coating overlapping a minimum of 3" (75 mm) onto the surface of the Preprufe Membrane and the penetration.
4. Install a minimum 12" (300 mm) strip of Bituthene Membrane centered over the Preprufe Membrane and the penetration intersection.
5. Install Preprufe Tape to cover the strip of Bituthene Membrane by overlapping a minimum of 1" (25.4 mm) until a minimum of 2" (51 mm) overlap onto the Preprufe Membrane is achieved.
6. Terminate the top edge of the strip of Bituthene Membrane and Preprufe Tape along the penetration with a bead of Bituthene Liquid Membrane.

Wall Penetrations

For Rebar, All-Thread, Metal Dowels, etc. - Follow these steps to seal around penetrations:

1. Clean loose dust or dirt from the penetration and the surrounding substrate surface using a clean, dry cloth or brush. Remove rust, if applicable, with a wire brush and wipe clean.
2. Mix and apply Bituthene Liquid Membrane around the penetration. Liquid Membrane should be placed to form a minimum 1" (25.4 mm) continuous fillet between the substrate and the base of the penetration.
3. Cut the field membrane tight to the penetration and remove release liner. If membrane is not within 1/2" (12 mm) of penetration and not more than 2" (51 mm) from

penetration, apply Preprufe Tape to cover the gap. Roll firmly into place and remove release. If the membrane is greater than 2" (51 mm) from penetration, install more Preprufe Membrane to cover the gap repeating these instructions until Preprufe Membrane/Tape is within 1/2" (12 mm).

4. Position the field membrane snug to the penetration so that it is a maximum of 1/2" (12 mm) from the base of the penetration and press firmly into the partially cured Liquid Membrane.
5. Apply Liquid Membrane to form a minimum 1" (25.4 mm) continuous fillet between the Preprufe Membrane and the base of the penetration. Extend a 90 mil (2.2 mm) continuous coating of Liquid Membrane overlapping a minimum of 3" (75 mm) onto the surface of the Preprufe Membrane and 6" (150 mm) onto the penetration.
6. Wrap the penetration with Preprufe Tape, positioning the tape at the base of the penetration. Remove enough release liner to overlap tape onto itself and roll/press firmly into place. Remove remaining release liner and discard.

Tiebacks

The Preprufe Tieback Cover is a specially designed, two-part cover used to maintain waterproofing integrity at soil retention tieback heads. The Preprufe Tieback Cover consists of a rigid ABS plastic base and pre-fabricated Preprufe membrane cover.

1. Install Preprufe Membrane within 2" of tieback as per standard installation instructions.
2. Center the base over tieback head and secure base to soil retention system using appropriate fasteners. Fasteners should have a low profile head.
3. Apply Preprufe Tape centered over the edge of the base flange and roll firmly to form a tight seal. Remove release liner and discard.
4. Position the membrane cover over the base taking care to ensure the cover flange sits flat onto the Preprufe Membrane.
5. Apply Preprufe Tape centered over the edge of the cover flange and roll firmly to form a tight seal. Remove release liner and discard.

Note: All Preprufe Tape should overlap onto surfaces of tape, membrane, base, cover, etc., a minimum of 50 mm (2").

Columns

There are 2 common methods to create a waterproof seal under columns.

- Column Option 1 - Preprufe Membrane is placed over the column footing and directly under the column. Tie-in penetrations such as rebar and threaded rod that penetrate the membrane should be sealed with Bituthene Liquid Membrane. Cut the membrane tight to the penetration. If membrane is not within 1/2" (12 mm) of penetration, apply Preprufe Tape to cover the gap. Mix and apply Bituthene Liquid Membrane around the penetration. Bituthene Liquid Membrane should be placed to form a minimum 1" (25.4 mm) continuous fillet around the penetration at the point of penetration. Bituthene Liquid Membrane should be applied as a 90 mil (2.2 mm) continuous coating overlapping a minimum of 3" (75 mm) onto the surface of the Preprufe membrane.
- Column Option 2 - Preprufe Membrane is placed below the column footing before it is poured. The membrane is installed following the vertical and horizontal application instructions described earlier in this section. When placing the membrane, it is important to leave sufficient length of Preprufe 300R beyond the footing to allow for tie-in to the Preprufe Membrane that will be laid to waterproof the general slab area. The release liner must not be removed from this extra length, and it should be protected from damage until the tie-in details are completed.

Grade Beam Pile Caps

The preferred methods to waterproof pile caps are to either "tank" or "cover" the pile cap.

- Pile Cap Option 1 (Tanking Option) - Install Preprufe Membrane over the prepared substrate as instructed in horizontal applications above. Preprufe Membrane is placed in the area formed for the pile cap before the concrete is poured. When placing the membrane, it is important to leave sufficient length of Preprufe beyond the pile cap area to allow for tie-in to the Preprufe Membrane that will be laid to waterproof the general slab area. Cut membrane tight to each pile and complete detail around each pile as instructed earlier in this section for a Penetration Detail.
- Pile Cap Option 2 (Covering Option) - For mud slabs, clean loose dust or dirt from the

pile cap and mud slab surface using a clean, dry cloth or brush. Apply a continuous 90 mil (2.2 mm) coating of Bituthene Liquid Membrane or Procor over the top of the pile cap. Place a 1" (25.4 mm) bead of Liquid Membrane or Procor around all penetrations at the point of penetration through the pile cap. Prime along the edge of the mud slab a minimum of 6" (150 mm) from the edge of pile cap with a Bituthene Primer and allow to dry. Align a 9" (225 mm) strip of Bituthene Membrane centered over the edge of the pile cap. Remove release liner and roll firmly onto the Liquid Membrane and primed mud slab. Install Preprufe Membrane over the prepared substrate and terminate it 2" (51 mm) onto the pile cap. Apply Preprufe Tape centered over the Preprufe Membrane termination. Remove the release liner and roll firmly. Seal Bituthene Membrane and Preprufe Tape edge with a termination bead of Liquid Membrane.

**Pile Cap Option 2 for Compacted Earth**

Apply a continuous 90 mil (2.2 mm) coating of Bituthene Liquid Membrane or Procor over the top of the pile cap. Place a 1" (25.4 mm) bead of Liquid Membrane or Procor around all penetrations at the point of penetration through the pile cap. Remove compacted earth away from the sides of pile cap. Clean loose dust or dirt from the pile cap surface using a clean, dry cloth or brush.

Prime the sides of the pile cap a minimum of 6" (150 mm) from the top of pile cap with a Bituthene Primer and allow to dry. Align a 9" (225 mm) strip of Bituthene Membrane centered over the outside edge (outside corner) of the pile cap. Remove release liner and roll firmly onto the Liquid Membrane and primed sides of pile cap. Align a 12" (300 mm) strip of Bituthene Membrane centered over the outside edge (outside corner) of the pile cap. Remove half of release liner by scoring release liner along the center of the strip.

Roll firmly onto the sides of pile cap with the 9" (225 mm) strip of Bituthene Membrane and the remaining primed pile cap. Leave the other half of the 12" (300 mm) strip with the release liner still intact in order to receive the Preprufe Membrane. Replace earth/fill and compact per standard back-filling instructions being careful not to damage the Bituthene strip including the non-bonded portion. Invert the Bituthene strip, and remove the remaining release liner to expose the adhesive portion

of the Bituthene.

Install Preprufe Membrane over the prepared substrate and terminate it 2" (51 mm) onto the pile cap. Roll firmly onto the inverted Bituthene strip. Apply Preprufe Tape centered over the Preprufe Membrane termination. Remove the release liner and roll firmly. Seal Bituthene Membrane and Preprufe Tape edge with a termination bead of Liquid Membrane.

**Pile Cap Option 2 for Non-Continuous Covering**  
If the Structural Engineer or the design does not allow for the waterproofing to "cover" the pile cap, there must be a minimum 6" (150 mm) continuous shoulder along the perimeter of the pile cap to allow for a proper termination. Apply a continuous 90 mil (2.2 mm) coating of Bituthene Liquid Membrane or Procor onto the top of the pile cap along the outside edge.

Apply a 6" (150 mm) strip of Bituthene Membrane onto the Bituthene Liquid Membrane or Procor along the edge of the pile cap. Install Preprufe Membrane over the prepared substrate and terminate it 2" (51 mm) onto the pile cap. Apply Preprufe Tape centered over the Preprufe Membrane termination. Remove the release liner and roll firmly. Seal Bituthene Membrane and Preprufe Tape edge with a termination bead of Liquid Membrane.

**Construction Joints**

Install the Preprufe membrane according to standard horizontal and vertical application instructions detailed above. Preprufe CJ Tape should be applied to the surface of the Preprufe membrane and centered along the line of all concrete joints. Remove release liner and roll firmly.

**Tie-Ins**

**Preprufe 160R to Preprufe 300R Sub Slab Waterproofing** - Install Preprufe 300R Membrane over the prepared substrate as detailed in horizontal and vertical applications above. Continue onto the vertical surface of the prepared soil retention system a minimum of 18" (450 mm) above the finished elevation of the structural floor slab.

Secure the top of the membrane to temporarily hold it in place on the vertical substrate. Care should be taken to prevent damage to this exposed membrane from concrete back-splash as well as slag from rebar welding in wall forms. The exposed membrane on the vertical surface can be protected with

protection board, plywood or other materials.

Following the vertical application instructions detailed above, install Preprufe 160R Membrane over the prepared vertical soil retention system. Unfasten the vertical length of the Preprufe 300R Membrane and tuck the Preprufe 160R behind the 18" (450 mm) length of Preprufe 300R, ensuring a minimum 3" (75 mm) lap. Complete the detail by installing Preprufe Tape centered over the lap being careful to seal any holes from fasteners. Roll firmly and remove the release liner.

**Preprufe 300R to Post-Applied Wall Waterproofing** - There are 2 options available to tie Preprufe 300R Membrane into wall waterproofing. In Option 1, the Preprufe 300R Membrane is installed under the concrete slab and the footing. Option 2 is intended for applications where the Preprufe 300R Membrane and wall waterproofing are connected through the wall and footing junction.

- Option 1 - Install Preprufe 300R Membrane over the prepared horizontal substrate and extend it up the vertical surface of the slab formwork. Terminate the membrane 6" (150 mm) above the top elevation of the structural floor slab or wall footing. Once the slab or footing is poured and cured for 7 days, remove the forms and trim the excess membrane above the slab (see Technical Letters). Install the wall membrane according to standard application procedures of the post-applied waterproofing manufacturer. Ensure that the wall membrane overlaps onto the surface of the Preprufe 300R by a minimum of 6" (150 mm).
- Option 2 - Prior to the pouring of the wall, apply a 90 mil (2.2 mm) coating of Bituthene Liquid Membrane on top of the footing area using standard application procedures. Extend the Bituthene Liquid Membrane 3" (75 mm) beyond the proposed wall width in each direction. Install the wall membrane according to standard application procedures of the post-applied waterproofing manufacturer. Ensure that the wall membrane overlaps onto the surface of the Preprufe 300R by a minimum of 6" (150 mm). On the inside of the wall, install a minimum 9" (225 mm) strip of Bituthene sheet membrane over the Bituthene Liquid Membrane that extends beyond the footing area. Install Bituthene Membrane by removing the release liner and firmly rolling the product in place. Install Preprufe 300R Membrane over the prepared substrate and terminate it at the center of the Bituthene sheet membrane strip. Apply Preprufe CJ Tape centered over the Preprufe

300R Membrane termination. Remove the release liner and roll firmly.

**Preprufe 160R to Plaza Deck Waterproofing** - Install Preprufe 160R over the prepared vertical surface following the standard vertical application instructions above. Terminate the Preprufe 160R Membrane 6" (150 mm) above the proposed height of the finished wall. Once the wall is poured and properly cured, remove temporary forming and trim the excess Preprufe 160R remaining above the wall. Install the plaza deck waterproofing according to the manufacturer's standard installation procedures. Ensure that the plaza deck waterproofing overlaps the 160R membrane a minimum of 9" (225 mm) and terminate it onto the Preprufe 160R using a bead of Bituthene Liquid Membrane.

**Preprufe 160R to Post-Applied Wall Waterproofing** - Install Preprufe 160R over the prepared vertical surface following the standard vertical application instructions above. Extend the Preprufe 160R Membrane 12" (300 mm) beyond the end of the blind-side wall. As the foundation wall formwork is installed, fold the 12" (300 mm) piece of Preprufe 160R Membrane to form a sharp corner. Secure it to the inside face of the exterior form panel. Once the wall is poured and cured for seven days, remove the formwork and install the post-applied waterproofing according to the manufacturer's standard installation procedures.

**Preprufe 300R Membrane Wall Termination**

- **Option 1 (Liquid Membrane Detail)** - Install Preprufe 300R Membrane over a mud slab as detailed in horizontal applications above. For compacted earth, contact a local Grace representative. Install Preprufe 300R Membrane tight to all vertical and horizontal intersections. At the termination of the membrane, place a 1" (25.4 mm) fillet of Bituthene liquid membrane and trowel a 90 mil (2.2 mm) coating a minimum of 3" (75 mm) onto vertical and horizontal surfaces. Remove the release liner and install a minimum 12" (300 mm) strip of Bituthene Membrane centered over the horizontal termination. Install Preprufe Tape to cover the strip of Bituthene Membrane by overlapping a minimum of 1" (25.4 mm) until a minimum of 2" (51 mm) overlap onto the Preprufe Membrane is achieved. Terminate the top edge of the strip of Bituthene Membrane and Preprufe Tape along the wall with a

bead of Bituthene Liquid Membrane.

- **Option 2 (Sheet Membrane Detail)** - Install Preprufe 300R Membrane over the prepared substrate as detailed in horizontal applications above. Install Preprufe 300R Membrane tight to all vertical and horizontal intersections. Install a minimum 6" (150 mm) strip of Bituthene Membrane on the vertical surface along the joint. Mix and apply Bituthene Liquid Membrane to form a minimum 1" (25.4 mm) continuous fillet between the Preprufe Membrane and the wall. Install Preprufe CJ Tape 6" (150 mm) from the edge of the wall onto the Preprufe Membrane and terminate 2" (51 mm) onto the strip of Bituthene Membrane. Install Preprufe CJ Tape onto the strip of Bituthene Membrane and overlap onto the previous Preprufe CJ Tape a minimum of 2" (51 mm). Terminate the top edge of the strip of Bituthene Membrane and Preprufe Tape along the wall with a bead of Bituthene Liquid Membrane.

**Membrane Repair**

Inspect the membrane for damage before placement of reinforcing steel, formwork and concrete. Repair small punctures 1/2" (12 mm), or less, and slices by applying Preprufe Tape centered over the damaged area and roll firmly. Remove the release liner from the tape. Repair holes and large punctures by applying a patch of Preprufe membrane, which extends 6" (150 mm) beyond the damaged area. Seal all edges of the patch with Preprufe Tape, remove the release liner from the tape and roll firmly.

**CONCRETE PLACEMENT**

Lightly soiled membrane should be cleaned with air blower and heavily soiled membrane should be cleaned with a power-washer. Cast concrete within 56 days (42 days in hot climates) of application of the membrane. Concrete must be placed carefully to avoid damage to the membrane. Never use a sharp object to consolidate concrete.

**REMOVAL OF FORMWORK**

Preprufe Membranes can be applied to removable formwork, such as slab perimeters, elevator and lift pits, etc. Once the concrete is poured, the formwork must remain in place until the concrete has gained sufficient compressive strength to develop the surface bond. Preprufe Membranes are not recommended for conventional twin-sided wall forming systems.

A minimum concrete compressive strength

of 1500 psi (10 N/mm<sup>2</sup>) is recommended prior to stripping formwork supporting Preprufe Membranes. Premature stripping may result in displacement of the membrane and/or spalling of the concrete.

As a guide, to reach the minimum compressive strength stated above, a structural concrete mix with an ultimate strength of 6000 psi (40 N/mm<sup>2</sup>) will typically require a cure time of approximately 6 days at an average ambient temperature of 25 degrees F (-4 degrees C) or 2 days at 70 degrees F (21 degrees C).

## 6. Availability & Cost

**AVAILABILITY**

A network of distributors carries Preprufe and Bituthene products for prompt delivery to project sites.

**COST**

For specific information, contact a local distributor or a Grace Construction Products representative.

## 7. Warranty

A 5 year material warranty for Preprufe and Bituthene membrane products is available from the manufacturer upon request.

## 8. Maintenance

Preprufe 300R and Preprufe 160R membranes will not require maintenance when installed in accordance with Grace's recommendations.

## 9. Technical Services

Support is provided by full-time, technically trained Grace field sales representatives and technical service personnel, backed by a central research and development staff.

## 10. Filing Systems

- Reed First Source
- Additional product information is available from the manufacturer.

W. R. Grace & Co. -Conn. hopes the information here will be helpful. It is based upon data and knowledge considered to be true and accurate and is offered for the users' consideration, investigation and verification, but we do not warrant the results to be obtained. Please read all statements, recommendations and suggestions in conjunction with our conditions of sale, which apply to all goods supplied by us. No statement, recommendation or suggestion is intended for any use which would infringe any patent or copyright. W. R. Grace & Co. -Conn., 62 Whittemore Avenue, Cambridge, MA 02140. In Canada, W. R. Grace & Co. Canada, Ltd., 294 Clements Road, West, Ajax, Ontario, Canada L1S 3C6.

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This product may be covered by patents or patents pending.

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**APPENDIX 8**

**GENERIC PROCEDURES FOR MANAGEMENT OF  
UNDERGROUND STORAGE TANKS IDENTIFIED UNDER THE  
NYC BCP**

# **GENERIC PROCEDURES FOR MANAGEMENT OF UNDERGROUND STORAGE TANKS IDENTIFIED UNDER THE NYC BCP**

Prior to Tank removal, the following procedures should be followed:

- Remove all fluid to its lowest draw-off point.
- Drain and flush piping into the tank.
- Vacuum out the “tank bottom” consisting of water product and sludge.
- Dig down to the top of the tank and expose the upper half.
- Remove the fill tube and disconnect the fill, gauge, product, vent lines and pumps. Cap and plug open ends of lines.
- Temporarily plug all tank openings, complete the excavation, remove the tank and place it in a secure location.
- Render the tank safe and check the tank atmosphere to ensure that petroleum vapors have been satisfactorily purged from the tank.
- Clean tank or remove to storage yard for cleaning.
- If the tank is to be moved, it must be transported by licensed waste transporter. Plug and cap all holes prior to transport leaving a 1/8 inch vent hole located at the top of the tank during transport.
- After cleaning, the tank must be made acceptable for disposal at a scrap yard, cleaning the tanks interior with a high pressure rinse and cutting the tank in several pieces.

During the tank and pipe line removal, the following field observations should be made and recorded:

- A description and photographic documentation of the tank and pipe line condition (pitting, holes, staining, leak points, evidence of repairs, etc.).
- Examination of the excavation floor and sidewalls for physical evidence of contamination (odor, staining, sheen, etc.).
- Periodic field screening (through bucket return) of the floor and sidewalls of the excavation, with a calibrated photoionization detector (PID).

## Impacted Soil Excavation Methods

The excavation of the impacted soil will be performed following the removal of the existing tanks. Soil excavation will be performed in accordance with the procedures described under Section 5.5 of Draft DER-10 as follows:

- A description and photographic documentation of the excavation.
- Examination of the excavation floor and sidewalls for physical evidence of contamination (odor, staining, sheen, etc.).
- Periodic field screening (through bucket return) of the floor and sidewalls of the excavation, with calibrated photoionization detector (PID).

Final excavation depth, length, and width will be determined in the field, and will depend on the horizontal and vertical extent of contaminated soils as indentified through physical examination (PID)

response, odor, staining, etc.). Collection of verification samples will be performed to evaluate the success of the removal action as specified in this document.

The following procedure will be used for the excavation of impacted soil (as necessary and appropriate):

- Wear appropriate health and safety equipment as outlined in the Health and Safety Plan.
- Prior to excavation, ensure that the area is clear of utility lines or other obstructions. Lay plastic sheeting on the ground next to the area to be excavated.
- Using a rubber-tired backhoe or track mounted excavator, remove overburden soils and stockpile, or dispose of, separate from the impacted soil.
- If additional UST's are discovered, the NYSDEC will be notified and the best course of action to remove the structure should be determined in the field. This may involve the continued trenching around the perimeter to minimize its disturbance.
- If physically contaminated soil is present (e.g., staining, odors, sheen, PID response, etc.) an attempt will be made to remove it, to the extent not limited by the site boundaries or the bedrock surface. If possible, physically impacted soil will be removed using the backhoe or excavator, segregated from clean soils and overburden, and staged on separated dedicated plastic sheeting or live loaded into trucks from the disposal facility. Removal of the impacted soils will continue until visibly clean material is encountered and monitoring instruments indicate that no contaminants are present.
- Excavated soils which are temporarily stockpiled on-site will be covered with tarp material while disposal options are determined. Tarp will be checked on a daily basis and replaced, repaired or adjusted as needed to provide full coverage. The sheeting will be shaped and secured in such a manner as to drain runoff and direct it toward the interior of the property.

Once the site representative and regulatory personnel are satisfied with the removal effort, verification of confirmatory samples will be collected from the excavation in accordance with DER-10.