COST TO CURE REPORT
PARK LAND

DEPARTMENT OF SANITATION GARAGE
50 KENT AVENUE
BLOCK 2287, LOT 1
BROOKLYN, NEW YORK

DDC PROJECT NO. – BEGS2005027
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TASK 3099

Prepared for:

NEW YORK CITY DEPARTMENT OF DESIGN + CONSTRUCTION

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1.0 INTRODUCTION

On behalf of the City of New York Department of Design & Construction ("DDC"), Metcalf & Eddy of New York, Inc. ("M&E") has prepared this Cost to Cure ("CTC") report for the Department of Sanitation Garage ("the Site) located at 50 Kent Avenue in Greenpoint-Williamsburg section of the Borough of Brooklyn, New York (Figure 1). According to the City of New York Department of Finance ("DOF"), the Site is identified as Block 2287, Lot 1. Currently, Block 2287, Lot 1 consists of a one-story garage with associated parking lot and is leased to the New York City Department of Sanitation ("DOS"). The purpose of this CTC report is to provide the DDC with an order-of-magnitude cost estimate for remediation of contaminated soil and groundwater encountered during our field investigation activities as part of the development of Park Land on the Site.

This CTC report is based on the findings of the Site Investigation ("SI") Report prepared by M&E dated October 2006. The investigation conducted at the Site is representative of the type of environmental investigation that a purchaser would undertake, prior to acquiring real property.

This report is divided into the following sections:

- Section 1 - Introduction
- Section 2 – Site Description
- Section 3 – Investigation Activities and Results
- Section 4 – Conceptual Site Development
- Section 5 – Conceptual Remedial Measures
- Section 6 – Remedial Cost Estimate

1.1 Background

Recognized environmental conditions ("RECs") related to historic fill at the site have been identified by several previous investigations of the Site and surrounding area, including the

investigation activities recently completed by M&E. The following is a brief synopsis of previous investigations conducted at the Site based upon information provided by the DDC:

- Energy and Environmental Analysts, Inc. ("EEA") completed a Phase I Environmental Site Assessment ("ESA") in 1994 at 20 North 12th Street (Block 2287, Lot 16 & 30). The EEA Phase I ESA stated that the Site had been used for oil truck parking, which may have resulted in the storage of oil onsite and, therefore, there was the potential for hazardous material spills. According to EEA, the former tenant Williamsburg Gas Light Company and Brooklyn Union Gas stored, used, and produced a significant quantity of toxic and/or hazardous materials (tars, oils, solvents, etc.). Additionally, the Site was identified as adjacent and north of a large bulk oil storage facility present on the adjacent property for approximately 100 years. EEA concluded that historic use of the Site and surrounding properties may have been a potential source of subsurface contamination at the Site.
- EEA completed a Phase II site investigation in August 1995 as a follow up to the 1994 Phase I ESA. As part of this Phase II investigation, EEA advanced 6 borings (SB1-SB6) at the Site which included 4 borings in the vacant lot located between the East River and the west side of the property line and 2 borings on the remaining portion of the Site. Soil samples were analyzed for semi-volatile organic compounds ("SVOCs") including polynuclear aromatic hydrocarbons ("PAHs") and Resource Conservation and Recovery Act ("RCRA") Metals. The analytical results identified concentrations of PAHs in excess of New York State Department of Environmental Conservation ("NYSDEC") Recommended Soil Cleanup Objectives ("RSCO") as identified in the NYSDEC Technical and Administrative Guidance Memorandum ("TAGM") 4046. Additionally, the results identified a concentration of total SVOCs in excess of the NYSDEC TAGM 4046 for one sample collected from boring SB-2. None of the soil samples were detected with RCRA metals concentrations significantly above the NYSDEC TAGM 4046 RSCOs. EEA concluded that no action was needed to remediate the Site since it was contained by

surface capping materials, which include the one-story warehouse building (~ 60,000 sq. ft.) and asphalt and concrete (~ 50,000 sq. ft.).

- EEA completed a Phase I ESA in April 1998 at 20 North 12th Street (DOS yard) and identified conditions of the Site to be relatively similar to those identified in the 1994 EEA Phase I with the exception that the entire property was occupied by CitiStorage and 50 Kent Associates. The 1998 EEA Phase I ESA identified an underground storage tank ("UST") beneath the floor of the site building, which was not identified in the previous 1994 EEA Phase I ESA. Reportedly, the tank was used by the lumber company which formerly occupied the Site. The tank was used as an oil/water separator for rainwater runoff from delivery trucks. EEA stated that the tank was not being used by the current tenant at the time of the site visit. The size of the UST was not identified in the report. The 1998 EEA Phase I identified 41 NYSDEC spill incidents within a half a mile radius of the Site, 10 of which were located at the intersections of North 11th Street and North 12th Street and Kent Avenue. EEA concluded that although soil and groundwater contamination had resulted from some of the spills, it is unlikely that significant contamination at the Site is a result of these spill incidents.

- A Phase I ESA Report was prepared in 2003 by Fleming-Lee Shue ("FLS") for Philip Habib & Associates. The Phase I ESA was prepared for the proposed Williamsburg Park and summarized the past and current environmental conditions of the area along Kent Avenue from North 9th Street to Quay Street. The information presented in the Phase I ESA provided no new information other than that which was presented in the previous reports reviewed by M&E. FLS concluded that deep contamination likely exists at the Site due to the former petroleum distillery and manufactured gas plant ("MGP") operations. FLS also states that shallow contamination at the former MGP site appears to be more significant than the portion of the site formerly occupied by the former petroleum distillery.

- An addendum to a Interim Site Remediation Plan prepared by LiRo Engineers in December 2001 identified the presents of 3 former USTs at the property leased by the

Department of Sanitation ("DOS") yard. A 2,000 gallon gasoline UST was abandoned in-place in February 1995 and two, 2000 gallon diesel fuel USTs were abandoned in-place in May 1997. The USTs were closed in accordance with NYSDEC requirements, though it was noted by the NYSDEC that contamination from the former MGP was present within the subsurface soils and groundwater.

M&E conducted an SI of the property from March 24, 2006 to July 28, 2006. The purpose of the SI, as requested by the New York City Office of Environmental Coordination ("OEC") and DDC, was to evaluate the lateral and vertical extent of potential onsite contamination in subsurface soil and groundwater, as a result of historic and current on- and off-site operations.

1.2 Historical Use of Site and Surrounding Area

The area surrounding the Site has a long history of industrial use. The property to the north of the Site was occupied by the Standard Oil Company Pratt – Works oil distillery and included a tin factory from 1916 to 1965. A bulk oil storage terminal identified as Paragon Oil Company – Division of Texaco, Inc. occupied the property located north of the Site from 1965 to 1996. The site was identified with multiple oil tanks for approximately the past 100 years. A one-story garage that appeared to be separate from the oil facility was built in 1967 along the southeast corner of the Site (Block 2277). The property to the north of the Site is now occupied by the Bayside Fuel Oil Company ("BFOC").

A review of Sanborn maps and historic aerial photographs between the years of 1887 and 1996 indicates a long history of industrial uses at the Site and surrounding area. The Site is occupied by property associated with Block 2287, Lot 1.

Block 2287, Lot 1 – This area is located on Kent Avenue between North 11th and North 12th Streets and was occupied by the Brooklyn Union Gas ("BUG") Company/Williamsburg Works MGP in 1916. The BUG MGP facility was decommissioned in 1936. Subsequently, the area was depicted as vacant, undeveloped land in 1942. In 1954 the area was developed with a one-story

building and associated parking lot. As previously discussed, a Phase I ESA report prepared by EEA identified a UST beneath the floor of the site building. The tank was reportedly used by the lumber company which was likely the operation at the facility during the 1950s. The tank was used as an oil/water separator for rainwater runoff from delivery trucks. The available historical documentation does not provide any additional information regarding the status of this tank. The building was identified as the Commercial Corrugated Container Corporation in 1965. The DOS has leased this property since 1980. As previous identified, three (3) USTs were closed in-place during the mid to late 1990s.

2.0 SITE DESCRIPTION

2.1 General Physical Setting

The Site is located in the Greenpoint - Williamsburg section of the Borough of Brooklyn, New York (Figure 1). The Site is located on west of Kent Avenue between North 11th, and 12th Streets. The Site is presently occupied by a one-story garage presently occupied by the New York City DOS. The DOF identifies the Site as consisting of Block 2287, Lot 1 which consists of the one-story garage occupied by DOS. The topography of the Site is generally flat with a gentle west-northwesterly slope toward the East River and is mostly paved. The Site is bordered by the BFOC to the north, the 2 one story warehouses owned by CitiStorage to the south and west, and various light commercial and manufacturing operations to the east. The Site and its immediate surrounding areas are zoned Low Performance Manufacturing ("M3") by the New York City Department of Planning.

2.2 Geology

Two major stratigraphic units were identified during the SI; in order of increasing depth, they are fill and native soil. Bedrock was not encountered during this investigation

2.2.1 Fill Material

Based on the current SI performed at the Site, the subsurface consists of a layer of fill material ranging from a depth of 9 to 42 feet below grade. The fill generally comprises sand and silty sand with crushed stone, wood, concrete, ash, cinders, and brick. The thickness of the fill increases from south to north and from east to west at the Site. Fill was encountered in each of the soil borings advanced during the SI.

2.2.2 Native Soils

The fill is underlain by black organic silt ranging in thickness from 2- to 6-feet. The silt has alternating strata of fine sandy silts and silty clays to approximately 50 to 70 feet below grade, after which a gray to reddish brown stiff silty clay is present.

2.3 Hydrogeology

The Site hydrogeology is discussed in terms of closest surface water body (East River) and the groundwater aquifers located beneath the Site. Groundwater was encountered at the Site at depths ranging from 5 to 10 feet below ground surface ("bgs"). Based upon the groundwater elevations obtained from existing and installed monitoring wells at the Site, groundwater flows in a westerly direction towards the East River.

3.0 INVESTIGATION ACTIVITIES AND RESULTS

The purpose of the SI, as requested by the DDC and OEC, was for the initial evaluation of the lateral and vertical extent of contamination in subsurface soil and groundwater that may exist from the historic and current onsite and offsite operations, prior to the redevelopment of the Site.

The investigation was performed in general accordance with NYSDEC Draft DER-10 Technical Guidance for Site Investigation and Remediation dated December 2002. The investigation findings were evaluated based on the Technical and Administrative Guidance Memorandum ("TAGM") No. 4046 (Recommended Soil Cleanup Objectives ["RSCO"] and Soil Cleanup Objectives to Protect Groundwater Quality ["SCOPGQ"]), Spill Technology and Remediation Services ("STARS") Memorandum No.1, Toxicity Characteristic Leaching Procedure ("TCLP") Alternative Guidance Values, and the NYSDEC Technical and Operational Guidance Series ("TOGS") 1.1.1 Memorandum (Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations).

3.1 Summary of Site Investigation Activities

The SI field activities were conducted from March 24, 2006 to July 28, 2006 and consisted of the advancement of soil borings and installation of monitoring wells for the collection of soil and groundwater samples, respectively (Figure 2). The samples were collected to characterize subsurface conditions at the Site.

The SI field work included:

- Advancement of 13 soil borings (BPB-10 to BPB-22) utilizing a track-mounted, hollow-stem auger drill rig;
- Installation of five (5) on-site monitoring wells (MW-4 to MW-8) and using both a track-mounted and truck-mounted hollow-stem auger drill rig;
- Collection of groundwater samples from two (2) onsite existing monitoring wells (MW-7X, and MW-8X,) and the five (5) monitoring wells installed by M&E;

- Containment of drill cuttings, decontamination water, and development/purged groundwater in sixty-six 55-gallon drums; and,
- Survey of soil boring and monitoring well locations.

The following samples were collected from each of these investigation points:

- 27 soil samples (including 2 duplicate samples) were collected from the 13 soil boring locations;
- 8 groundwater samples (including 1 duplicate sample) from five (5) monitoring wells installed during this SI, and from two (2) monitoring wells installed adjacent to the DOS yard by others during a previous investigation; and,
- Four (4) composite soil samples , four (4) composite water samples, and one (1) composite groundwater sample with product were collected from the drill cuttings (soil) and water generated during the field program for the purposes of waste classification.

3.2 Results of the Investigation Activities

3.2.1 Soils

In order to evaluate the subsurface soil quality, laboratory analytical results were compared with the following NYSDEC regulatory standards identified in:

- TAGM No. 4046 (RSCO and SCOPGQ); and,
- STARS Memorandum No.1, TCLP Alternative Guidance Values.

The laboratory results of the samples are summarized in Tables 1 through 3 and on Figures 3A and 3B. The field and analytical data revealed the following:

- Based on field screening and visual observations made during the field investigation program, petroleum contamination was encountered in all the soil borings advanced onsite

except for two (2) soil borings (BPB-15 and BPB-20). A majority of the contamination extends from 0 to 31 feet bgs. Previous environmental investigations conducted at the Site identified the presence of petroleum contamination within the soil and groundwater.

- Based on the analytical results and visual observations made during the field drilling program, petroleum contamination was co-mingled with coal-tar contamination from the former MGP facility in 13 soil borings (BPB-10 to BPB-22) advanced at the Site. The coal-tar contamination extended from 5 to 52 feet bgs and a majority of the petroleum contamination extends from 0 to 31 feet bgs. Contamination from the former MGP also extended along North 11th and 12th Streets and decreased in depth from east to west towards the East River.

- Target compound list ("TCL") volatile organic compounds ("VOCs") consisting of acetone, carbon disulfide, methylene chloride, 2-butanone (MEK), benzene, toluene, ethylbenzene, m&p xylene, o-xylene, styrene, isopropylbenzene, n-propylbenzene, 1, 3, 5-trimethylbenzene, 1, 2, 4-trimethylbenzene, 4-isopropyltoulene, and naphthalene were detected in 23 of the 25 soil samples collected at concentrations above the NYSDEC TAGM RSCO, TAGM SCOPGQ, and/or STARS TCLP Alternative Guidance Values. The detection of elevated VOCs are likely the result of historical petroleum releases from the former petroleum distillery and storage operations, the former USTs at the DOS yard, and historical releases from former MGP operations.

- TCL SVOCs consisting predominantly of the PAH compounds naphthalene, 2-methyl naphthalene, dibenzofuran, benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, acenaphthylene, acenapthene, anthracene, fluoranthene, fluorene, phenanthrene, pyrene, and chrysene were detected in 18 of the 25 soil samples at concentrations that exceeded either the NYSDEC TAGM RSCO, TAGM SCOPGQ criteria, and/or the STARS Alternative Guidance Values. The detection of elevated SVOCs is likely the result of historical petroleum releases from the former petroleum distillery and storage operations, the former USTs at the DOS yard, and historical releases from former MGP operations.

- PCB concentrations were non-detect ("ND") and were not above the Practical Quantitation Limits ("PQL") in any of the soil samples collected at the Site.
- TAL metals consisting of arsenic, beryllium, chromium, iron, cobalt, copper, lead, mercury, nickel, selenium, and zinc were detected in all soil samples at concentrations that exceeded either the NYSDEC TAGM RSCO or the NYSDEC Eastern USA Background Criteria. The elevated concentration of metals is likely attributed to contaminants from the historic fill placed at the Site, as well as the former MGP operations.
- Total cyanide was detected in 7 of the 25 soil samples collected, but no NYSDEC standard exists for cyanide. Cyanide can be related to the purifier waste from the former MGP operations.

3.2.2 Groundwater

The groundwater results were compared with the following regulatory criteria:

- NYSDEC TOGS 1.1.1 Memorandum.

The laboratory results of the samples are summarized in Tables 4 through 7 and on Figure 4. The analytical data revealed the following:

- VOCs vinyl chloride, acetone, MEK, benzene, toluene, ethylbenzene, m&p-xylene, o-xylene, styrene, isopropylbenzene, n-propylbenzene, 1, 3, 5-trimethylbenzene, 1, 2, 4-trimethylbenzene, 4-isopropyltoluene, and naphthalene were detected at concentrations above the NYSDEC TOGS 1.1.1 criteria.
- SVOCs phenol, naphthalene, acenaphthlene, phenanthrene, anthracene, fluorene, pyrene, benzo(a)anthracene, chrysene, bis(2-ethylhexyl)phthalate, benzo(b)fluoranthene, and benzo(k)fluoranthene were detected at concentrations above the NYSDEC TOGS 1.1.1 criteria. The detection of bis(2-ethylhexyl)phthalate was detected in the laboratory blank samples and is likely a laboratory contaminant.

- PCBs were not detected at concentrations above the NYSDEC TOGS 1.1.1 criteria in the on- and off-site monitoring wells sampled as part of the field investigation.
- Metals consisting of barium, arsenic, beryllium, cadmium, chromium, copper, iron, magnesium, lead, manganese, nickel, sodium, and total cyanide were at concentrations detected above the NYSDEC TOGS 1.1.1 criteria.
- The greatest concentrations of VOCs, and SVOCs were detected in monitoring well MW-4 located along North 12th Street. BTEX, combined with several signature PAH compounds, are generally associated with petroleum hydrocarbons from the former petroleum distillery, the former USTs at the DOS yard, and MGP coal-tar contamination.
- Metals detected within the groundwater samples are characteristic of the contaminants present in the historic fill, the former MGP operations, and from the offsite industrial operations.

3.2.3 Coal-Tar and Petroleum Plumes

The SI activities also identified the suspected coal-tar and petroleum plumes that were documented in the Report prepared by TRC in May 2002. The TRC report made the following conclusions:

- There is a significant amount of offsite source material and/or coal-tar DNAPL from an MGP at the southeast and southwest corners of the site. This material represents a continuing source of contamination onto the Site.
- Onsite soils are significantly impacted by petroleum product storage and handling, and visibly impacted soil extends from near ground surface to 20 or more feet deep in many locations.

The results of the SI report indicate that MGP/coal-tar contamination is mixed with petroleum contamination from depths of 5 to 31 feet bgs in the north and northeastern portions of the Site and along North 11th and 12th Streets.

Plume maps were prepared based on the information collected during M&E's SI activities. The maps showing coal-tar plume (Figure 5) and the petroleum plume (Figure 6) were based solely on the information obtained from the boring logs and observations made during M&E's SI. Figure 7 also provides both plumes to show each plume in relation to the entire Site. The plume maps are intended to provide a general aerial extent of each plume. The actual aerial extent can only be verified through a focused plume investigation/delineation field program.

3.3 Conclusions

The data collected during this SI indicate that while the Site contains contaminated historic fill from depths of 9 to 42 feet bgs and a majority of petroleum hydrocarbons was spread over the entire Site from depths of 0 to 31 feet bgs. MGP/coal-tar contamination is mixed with petroleum contamination from depths of 5 to 31 feet bgs in the north and northeastern portions of the Site and along North 11th and 12th Streets. The Site has been impacted by the former petroleum distillery operations, known and unknown offsite historic petroleum releases, the former USTs closed in-place at the DOS yard, the former MGP operations, and off-site industrial operations located along the East River.

The contaminants detected at the Site were introduced to the environment by a variety of means including fill mixed with ash and cinders that was brought to the Site, petroleum releases from the various historic and present operations previously identified and dissolved contaminants in groundwater from various petroleum-related releases. The field and analytical data indicates that these impacts occur mainly at depth from 5 to 52 feet bgs. These contaminants can vaporize, runoff in surface water, and/or percolate into the overburden soils. Surface water runoff at the Site will tend to mirror the topography and flow overland westward towards the East River. SVOCs and metals are more likely to be transported via runoff than VOCs. VOCs tend to partition into the vapor phase, whereas the SVOCs and metals are sorbed to the soil particles and groundwater colloids which discharge into the East River.

Based upon the contamination detected in soil borings advanced onsite and along North 11th and 12th Streets, there are three (3) receptors that could be impacted that include:

- the East River through surface runoff, dust, and groundwater flow;
- humans, through on-site direct contact with surface water runoff and inhalation; and,
- groundwater, as a result of petroleum and MGP/coal-tar contamination.

The East River may be impacted through several means of transport including surface water runoff from the Site which could potentially carry contaminated sediments; contaminated dust particles from historic fill carried by the wind; and contaminated groundwater flowing towards the river.

Human receptors may be exposed to contaminants via dermal contact through swimming or wading in the East River or through contact with historic fill, petroleum hydrocarbons, and MGP/coal-tar contamination by digging or other invasive activities at the Site. Exposure by inhalation of dust blown from contaminated areas also provides an additional path to human receptors

Based upon the results of the groundwater samples collected from the monitoring wells, groundwater has been impacted by undocumented petroleum releases from the former petroleum distillery, the former DOS gasoline and diesel fuel USTs, coal-tar from the former MGP, and potential petroleum releases from offsite industrial operations. Although unlikely, exposure to contaminated groundwater through ingestion or dermal contact during groundwater sampling or dewatering activities can occur.

4.0 CONCEPTUAL SITE DEVELOPMENT

The DDC has requested that M&E prepare a conceptual site plan associated with the redevelopment of the Site as Park Land, a use that is currently inconsistent with the M3-1 heavy manufacturing zone in which the Site is located. The development of a conceptual site plan will assist M&E in preparing an order-of-magnitude cost estimate for the remediation of contaminated soil and groundwater that may be encountered should redevelopment of the Site occur.

In order to prepare the conceptual site plan, M&E used the following assumptions, which are based upon information provided by the City and collected during the field investigation:

- The area of the Site is 80,000 square feet ("SF") (the City of New York Department of Citywide Administrative Services ["DCAS"]).
- The property is zoned M3-1 heavy manufacturing (The New York City Department of City Planning ["DCP"]). The City restricts manufacturing operations that may have potentially noxious uses in the M3-1 Zone; however, this zoning designation will need to be changed to accommodate the proposed use of the Site as Park Land. This analysis assumes that the zoning change will be granted.
- The historic fill remaining onsite will be geotechnically suitable for construction purposes and is not considered hazardous.
- All utility service for the Site will be obtained from the underground utilities located along Kent Avenue, via subsurface connections.

Based upon these assumptions, M&E's conceptual site plan is as follows:

- Paved walkway areas would comprise 8,000 SF of the Site, to allow for the pedestrian access and other recreational uses. These areas would be paved with concrete or asphalt and would act as a cap to limit direct pedestrian contact with the contaminated fill.

- The remaining 72,000 SF of the Site would either be landscaped or reconstructed as vegetated open space. For the purposes of the CTC, this area would remain as vegetated open space and be capped with a minimum of two (2) feet of certified clean fill.

Figure 8 provides a conceptual site plan for the subject property. Please note that this is a simple conceptual design for the development of Park Land, based upon the assumptions previously identified. This conceptual design was developed only as a means of evaluating the potential costs to manage contaminated soil and groundwater at the site, should the Site be developed. However, it is likely that costs associated with managing contaminated soil and groundwater at the Site would be similar to the costs associated with this conceptual plan.

5.0 CONCEPTUAL REMEDIAL MEASURES

The majority of the remedial activities would be associated with excavation and off-site disposal of contaminated historic fill. Petroleum contaminated, non-hazardous soil may be present throughout the Site, though the majority may be present within the north and northeastern portions. Dewatering for this conceptual design is not anticipated since depth to groundwater ranges from five (5) to ten (10) ft bgs and the conceptual design proposes a maximum excavation depth of 1 to 2 ft bgs. Excavations for potential utilities would likely extend less than five (5) ft bgs.

For the purposes of this CTC Report, we have assumed that the entire Site will be capped with a minimum of two (2) feet of clean fill or one (1) foot of clean fill/one (1) foot of pavement to act as a barrier to pedestrian or visitor contact with contaminated historic fill. In order to maintain existing grades for drainage and access purposes, it is assumed that the proposed development will be constructed at the existing grade of the current site buildings and parking areas. This would result in the excavation of historic fill across most of the Site, with minimal reuse of the cut material to bring low-lying areas up to developed grade. Figure 9 provides a generalized site elevation illustrating the present topographic profile of the Site and a profile illustrating the conceptual design.

The conceptual remedial measures have been divided into two (2) construction categories:

- Park Land Area; and,
- Paved Walkway Areas.

5.1 Park Land Area

The elevation of the conceptual Park Land area is fairly flat (10 to 11 feet above msl) along Kent Avenue. It is estimated that 5,300 cubic yards of historic fill and petroleum contaminated soil would be excavated from this area to be disposed off-site or re-use elsewhere on-site (Figure 9). A two (2) foot layer of clean fill would replace the historic fill, in order to maintain the original

grade of the area. Subsequent to re-grading, appropriate landscaping measures would be taken to stabilize the soil.

5.2 Paved Walkway Areas

In addition to providing pedestrian access, the paved areas would also serve to cap the historic fill. The paved areas would also allow for the development of play areas, dog run, access paths, sports fields, on adjacent properties.

The conceptual paved areas would be located where the existing grade is fairly flat and ranges in elevation between 7.5 - 12 feet above msl. The conceptual design grade of the paved areas would be at the same elevation as the existing parking lot, requiring about 600 CY of the historic fill and petroleum contaminated soil to be excavated for off-site disposal or re-use elsewhere on-site. To balance the grade in the paved areas, 300 CY of clean fill would be imported and placed in a one (1) foot lift, overlain by six (6) inches of crushed stone and six (6) inches of asphalt.

5.3 Potential Remedial Concerns

The NYSDEC has been involved with the investigation of the Site since the 1990s and provided oversight during the 2002 investigation conducted by TRC. In addition, the NYSDEC has reached an agreement with KeySpan Energy to investigate and remediate the former MGP south of the Site. Thus, the NYSDEC would be involved in future development of the Site. According to the latest New York City Zoning Map (February 13, 2007), the Site is "E" designated, which will require a City Environmental Quality Review ("CEQR") Declaration. In accordance with the CEQR process, the New York City Department of Environmental Protection ("NYCDEP") will be involved with construction/redevelopment activities at the Site. The NYSDEC MGP Unit will also be involved in the review of proposed remedial work plan or other remedial measures proposals for the Site.

Therefore, for costing purposes, the following additional tasks may be required for the Site.

5.3.1 Agency Interaction

There will be the need to interact with the NYSDEC and/or the NYCDEP for the proposed re-use of historic fill at the Site, its off-site disposal, and the treatment of contaminated groundwater. It is also anticipated that an application will be required for a Beneficial Use Determination ("BUDS") from NYSDEC to facilitate the on- or off-site re-use of excavated contaminated historic fill/soil. The NYSDEC MGP Unit will also be involved in the review of proposed remedial work plan or other remedial measures proposals for the Site. An allowance has been included in the cost estimate for coordinating construction activities with these agencies.

5.3.2 Additional Investigation

It is our opinion that the SI activities conducted by M&E at the Site, along with previous investigation activities by others fulfill the sampling requirements of the NYSDEC and the NYCDEP. However, once specific site plans have been developed for the Site, additional SI activities will likely be required by NYSDEC, NYCDEP, or the prospective site developer.

5.3.3 Use of Health and Safety Trained Construction Workers

It is likely that excavation and grading activities will require health and safety trained construction workers. Although it is not difficult to locate construction companies that employ such people, the additional cost for properly trained and equipped personnel may be up to 30% above a typical construction laborer.

5.3.4 Health and Safety – Dust Monitoring

Due to the presence of contaminated historic fill, there will likely be a need to monitor the amount of dust generated during construction activities at the Site. A Community Air-Monitoring Program ("CAMP") will need to be developed and implemented during construction activities. Personnel will need to operate and calibrate air monitoring equipment to assess levels of dust with respect to the requirements of the CAMP. For the purposes of this report, we have established an allowance for monitoring dust generated during construction activities.

5.3.5 Vapor Intrusion

Based upon the depth to shallow groundwater, the presence of VOCs and SVOCs exceeding the NYSDEC TOGS 1.1.1 criteria in several groundwater samples, and free product detected during the field activities, the NYSDEC and the NYCDEP will likely require measures to be taken to prevent vapor intrusion into the conceptual design, if a building would ever be constructed on the Site. Any additional costs required to prevent vapor intrusion are dependent upon the actual design of a building to be constructed at the Site. Any future soil vapor investigation activities must be conducted in accordance with the October 2006 Guidance for Evaluating Soil Vapor Intrusion in the State of New York prepared by the New York State Department of Health.

6.0 REMEDIAL COST ESTIMATE

Based upon the conceptual site plan and remedial measures discussed in Sections 4 and 5, this section presents the order-of-magnitude remedial cost estimate for the development of the Site for Park Land use. Additionally, a request was made by the NYC Department of Parks and Recreation to prepare an alternate remedial cost estimate that would consider the re-use of the proposed excavated contaminated soil to level the existing grade of the Site, in lieu of off-site disposal of excavated contaminated soil.

Therefore, two (2) separate remedial cost estimates have been prepared for the Site with both estimates including a 2 ft. layer of clean fill placed above the existing ground surface. Cost Estimate A assumes the excavated contaminated soil (construction-related) would be transported for off-site disposal. Cost Estimate B assumes the excavated contaminated soil (construction-related) would be spread throughout the Site to level the existing grade. Under Cost Estimate B, the costs for the excavation of contaminated soils and re-grading are assumed to be related to typical site development activities (grading) with no additional environmental costs for this construction activity.

The following tables summarize the order-of-magnitude environmental costs that could be encountered during redevelopment of the site.

COST ESTIMATE A

PAVED WALKWAY AREA					
Environmental Task	**Quantity**	**Unit**	**Unit Cost ($)**	**Extended Cost ($)**	**Comments**
Excavation, and Loading of Historic Fill/Non-Hazardous Petroleum Contaminated Soil	900	Ton	$20	$18,000	This is for 600 cubic yards (2 ft excavation) of historic fill/petroleum contaminated soil that can't be reused at the site. It assumes 1.5 tons per cubic yard.
Transportation and Disposal of Historic Fill/Non-Hazardous Petroleum Contaminated Soil	900	Ton	$50	$45,000	This is for 600 cubic yards of historic fill/petroleum contaminated soil that can't be reused at the site. It assumes 1.5 tons per cubic yard.
Clean Fill	450	Ton	$30	$13,500	A 1 foot lift of clean fill will subsequently be covered by crushed stone and asphalt pavement. It is based upon 300 cubic yards at 1.5 tons per cubic yard.
Crushed stone for asphalt base	150	Cubic Yard	No Cost	No Cost	Normal site development would require the construction of asphalt sidewalks whether or not contaminated historic fill exists.
Asphalt Pavement – 6 inches thick	900	Square Yard	No Cost	No Cost	Normal site development would require the construction of asphalt sidewalks whether or not contaminated historic fill exists.
SUBTOTAL ESTIMATE				**$76,500**	

PARK LAND AREA					
Environmental Task	**Quantity**	**Unit**	**Unit Cost ($)**	**Extended Cost ($)**	**Comments**
Excavation, and Loading of Historic Fill/ Non-Hazardous Petroleum Contaminated Soil	8,000	Ton	$20	$160,000	This is for 5,300 cubic yards (2 ft excavation) of historic fill/petroleum contaminated soil that can't be reused at the site. It assumes 1.5 tons per cubic yard.
Transportation and Disposal of Historic Fill/Non-Hazardous Petroleum Contaminated Soil	8,000	Ton	$50	$400,000	This is for 5,300 cubic yards of historic fill/petroleum contaminated soil that can't be reused at the site. It assumes 1.5 tons per cubic yard.
Clean Fill – 2 foot cap	8,000	Ton	$30	$240,000	Clean fill to limit exposure to historic fill.
Landscaping – Hydroseeding	9,000	Square Yard	$0.50	$4,500	Hydroseeding for grass cover only.
SUBTOTAL ESTIMATE				**$805,000**	

POTENTIAL REMEDIAL CONCERNS

Environmental Task	Quantity	Unit	Unit Cost ($)	Extended Cost ($)	Comments
Agency Interaction	1	Lump Sum	$40,000	$40,000	Estimated cost should involvement by the NYSDEC and/or NYCDEP be required.
Additional Investigation	1	Lump Sum	$80,000	$80,000	Estimated cost should the NYSDEC, NYCDEP, or the developer require further investigation based upon site design.
Use of Health & Safety Trained Construction Workers	1	Lump Sum	$190,000	$190,000	This cost is based upon 30% of the costs associated with the excavation and disposal of historic fill.
Health & Safety Dust Monitoring	1	Lump Sum	$25,000	$25,000	Cost estimated for budgeting purposes only.
SUBTOTAL ESTIMATE				**$335,000**	
TOTAL ESTIMATE				**$1,216,500**	
CONTINGENCY (25% OF TOTAL ESTIMATE)				**$305,000**	
TOTAL ESTIMATED COST TO CURE				**$1,522,000**	

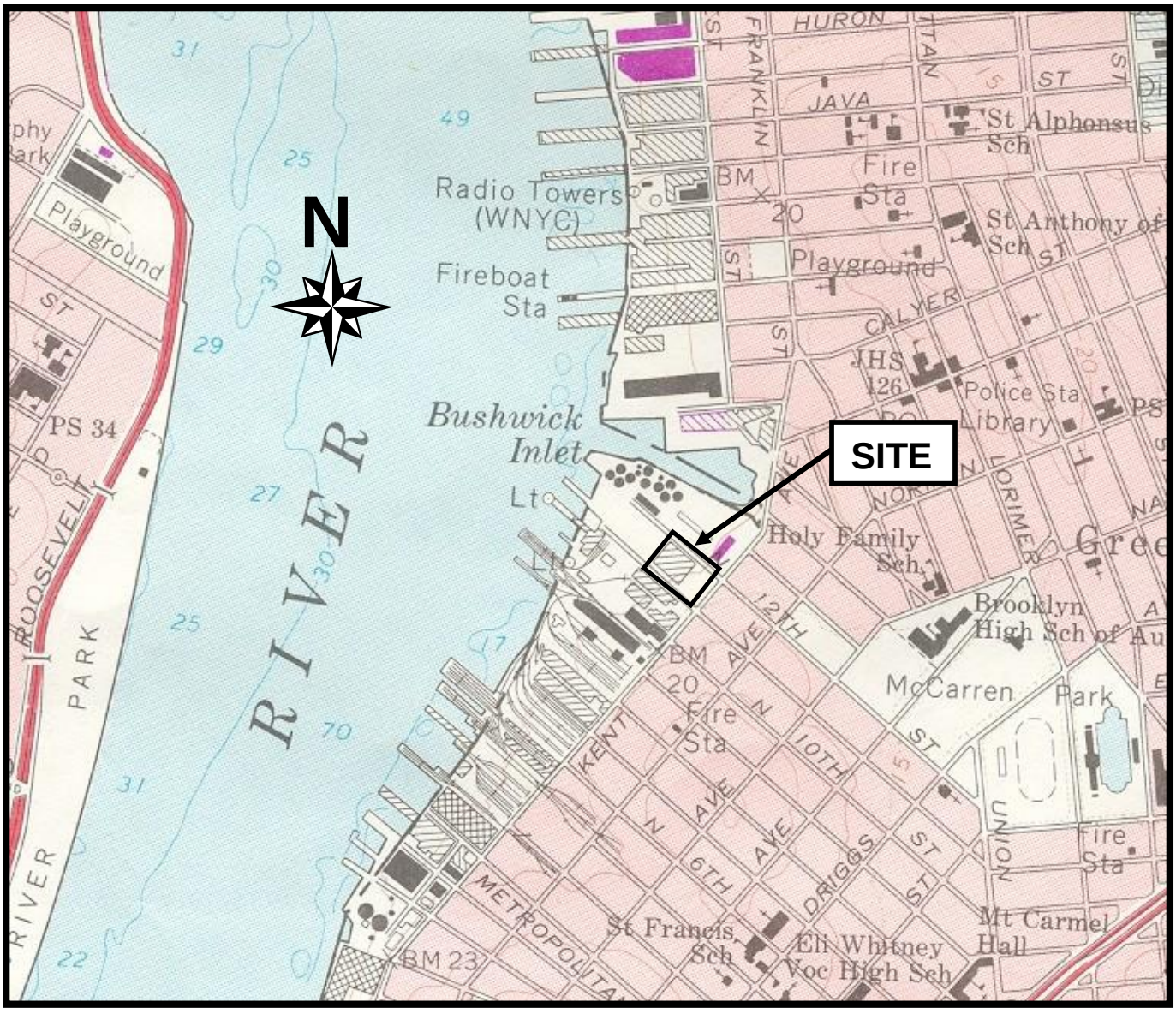
COST ESTIMATE B

PAVED WALKWAY AREA					
Environmental Task	**Quantity**	**Unit**	**Unit Cost ($)**	**Extended Cost ($)**	**Comments**
Excavation, and Loading of Historic Fill/Non-Hazardous Petroleum Contaminated Soil	900	Ton	No Cost	No Cost	This assumes that all of the 600 cubic yards of historic fill / petroleum contaminated soil that can be reused at the site. It assumes 1.5 tons per cubic yard.
Transportation and Disposal of Historic Fill/Non-Hazardous Petroleum Contaminated Soil	900	Ton	No Cost	No Cost	This assumes that all of the 600 cubic yards of historic fill / petroleum contaminated soil that can be reused at the site. It assumes 1.5 tons per cubic yard.
Clean Fill	450	Ton	$30	$13,500	A 1 foot lift of clean fill will subsequently be covered by crushed stone and asphalt pavement. It is based upon 300 cubic yards at 1.5 tons per cubic yard.
Crushed stone for asphalt base	150	Cubic Yard	No Cost	No Cost	Normal site development would require the construction of asphalt sidewalks whether or not contaminated historic fill exists.
Asphalt Pavement – 6 inches thick	1,000	Square Yard	No Cost	No Cost	Normal site development would require the construction of asphalt sidewalks whether or not contaminated historic fill exists.
SUBTOTAL ESTIMATE				**$13,500**	

PARK LAND AREA					
Environmental Task	**Quantity**	**Unit**	**Unit Cost ($)**	**Extended Cost ($)**	**Comments**
Excavation, and Loading of Historic Fill/ Non-Hazardous Petroleum Contaminated Soil	8,000	Ton	No Cost	No Cost	This assumes that all of the 5,300 cubic yards of historic fill / petroleum contaminated soil that can be reused at the site. It assumes 1.5 tons per cubic yard.
Transportation and Disposal of Historic Fill/Non-Hazardous Petroleum Contaminated Soil	8,000	Ton	No Cost	No Cost	This assumes that all of the 5,300 cubic yards of historic fill / petroleum contaminated soil that can be reused at the site. It assumes 1.5 tons per cubic yard.
Clean Fill – 2 foot cap	8,000	Ton	$30	$240,000	Clean fill to limit exposure to historic fill.
Landscaping – Hydroseeding	9,000	Square Yard	$0.50	$4,000	Hydroseeding for grass cover only.
SUBTOTAL ESTIMATE				**$244,000**	

POTENTIAL REMEDIAL CONCERNS					
Environmental Task	**Quantity**	**Unit**	**Unit Cost ($)**	**Extended Cost ($)**	**Comments**
Agency Interaction	1	Lump Sum	$40,000	$40,000	Estimated cost should involvement by the NYSDEC and/or NYCDEP be required.
Additional Investigation	1	Lump Sum	$80,000	$80,000	Estimated cost should the NYSDEC, NYCDEP, or the developer require further investigation based upon site design.
Use of Health & Safety Trained Construction Workers	1	Lump Sum	$80,000	$78,000	This cost is related to handling and re-use of historic fill. For budgetary purposes, we have assumed that the cost for re-use is the same as the cost of clean fill placement. Workers health and safety training related costs are estimated at 30% of the clean fill costs.
Health & Safety Dust Monitoring	1	Lump Sum	$25,000	$25,000	Cost estimated for budgeting purposes only.
SUBTOTAL ESTIMATE				**$223,000**	
TOTAL ESTIMATE				**$480,000**	
CONTINGENCY (25% OF TOTAL ESTIMATE)				**$120,000**	
TOTAL ESTIMATED COST TO CURE				**$600,000**	

These conceptual cost to cure estimates are based upon only those activities that would be outside typical construction/redevelopment activities as a result of contaminated historic fill and petroleum contamination at the site. They provide an order-of-magnitude cost assessment and should only to be used for budgeting purposes, as discussed with the DDC. Significant differences may arise between the conceptual and actual costs of managing the historic fill depending upon the actual redevelopment scenario. This conceptual cost to cure estimate also assumes the NYSDEC and/or NYCDEP would allow placement of fill within the flood zone as the case of the CitiStorage site.



Brooklyn, NY
7.5 Minute U.S.G.S. Quadrangle – 1967, photorevised 1979

METCALF & EDDY | AECOM

WOL NOS. 3099-M&E2R-3252
3099-M&E2R-3515
3099-M&E2R-3923

Figure 1
Site Location Map
50 Kent Avenue
Block 2287, Lot 1
Brooklyn, New York

EAST RIVER

OPEN WATER

APPROX. LIMIT OF RIGHT OF WAY LINE PER REF. #7

CONC. BLOCK BULKHEAD

BROKEN CONC. PIER

OVERGROWN AREA

METAL TOWER NAVIGATION AID

CONC. WALL

DIRT/GRAVEL AREA

8' HIGH C.L.F.

747.15' 747.20' (DEED)

N29°23'55"E 207.65'

BLOCK 2301
LOTS 1, 50, 60 & 70
N/F REPUTED OWNER
EAST RIVER DEVELOPMENT, LLC
REEL 5659, PG. 485
(SEE NOTE 9)

FLOOD ZONE A5

AREA OF BLOCK 2301 TO BULKHEAD LINE= 155,015 S.F. OR 3.559 Ac.

APPROX. LOCATION FLOOD ZONE LINE

LOT 1

LOT 50

UNCONFIRMED LOC. UG ELEC. LINE PER REF. #5 (NOT FIELD VERIFIED, SEE NOTE 3)

FLOOD ZONE B

UNCONFIRMED LOC. UG 8" WATER LINE PER REF. #3 (NOT FIELD VERIFIED, SEE NOTE 3)

N 11th STREET (60' WIDE R.O.W.) LEGALLY OPENED 8-13-1866

803.00'

824.40'

N 25°22'13" E 63.70'

REMAINS OF SUBMERGED WOODEN BULKHEAD

212.77'

ROTTED WOOD PIER

REMAINS OF WOODEN BULKHEAD

RIP RAP

EDGE OF WATER

METAL GUIDE RAIL

TO HIGH C.L.F.

ASPHALT PARKING LOT

1 STORY

LOT 1

BLOCK 2294
LOTS 1 & 5

1 STORY
METAL WAREHOUSE
"CITISTORAGE"

TAX LOT LINE (TYP)

LOT 5

S 45°00'00" W 824.40'

INLET GRT.=9.72

MH CONED RIM=10.99

MH RIM=9.30

MH RIM=11.09

MH RIM=10.93

ELEC. COVER

DIRT/GRAVEL AREA

APPROX. LOCATION FLOOD ZONE LINE

DIRT PILE

S 11th STREET (60' WIDE R.O.W.) LEGALLY OPENED 8-13-1866

N45°00'00"W 223.26'

WOOD PIER

TIE POINT 175.25' TO PROPERTY LIMIT PER REEL 2329, PG. 1209 TRACT I, PARCEL I

N74°32'22"E 34.50'

N85°30'00"E 63.12'

N85°30'22"E 63.12'

MATC

WOODEN BULKHEAD

CONC. PIER

EDGE OF BULKHEAD

S73°12'00"E 103.05'

OVERGROWN AREA

N45°00'00"W 223.26'

OPEN WATER

S25°22'13"W 31.85'

KENT AVE.

10' HIGH C.L.F.

WOODEN BULKHEAD 584.36'

212.34'

CONC. LANDING w/METAL RAILING

ROW OF DOUBLE AREA LIGHTS

METAL GUIDE RAIL

0.32'

988.61' CONC. WALK

TIE DIST. TO KENT AVE. 1051.75'

ALONG CENTERLINE PER REEL 2329, PG. 7209

GRASS AREA

METAL GUIDE RAIL

ABOVE GROUND TANK

STEPS

ABOVE GROUND PIPE SYSTEM (TYP.)

GAS METER

1010.00'

CONC. MAT

ASPHALT PAVEMENT

METAL GUIDE RAIL

STONE

BLOCK 2287
LOT 30

MH ELEC. RIM=4.58

(3) C/O

CONC. STEPS

MH SEWER RIM=5.16

INLET

3 STORY MASONRY BUILDING "BAYSIDE OIL"

ASPHALT PAVEMENT

METAL GUIDE RAIL

917.28'

215.28'

STEEL FACE CONC. CURB

CONC. WALK

EDGE OF PAVEMENT

N45°00'00"E 200.30'

TAX MAP LOT LINE

CONC. STEPS & LANDING

CONC. STEPS

MH CONED RIM=5.09

MH SEWER RIM=5.64

CONC. STEPS

MH SEWER RIM=5.81

MH ELEC. RIM=6.40

1 & 2 STORY METAL WAREHOUSE "CITISTORAGE"

N. 11th STREET (60' WIDE R.O.W.) LEGALLY OPENED 8-13-1866

CONC. STEPS & LANDING

302.00'

BLOCK 2287
LOT 16

N. 12th STREET (60' WIDE R.O.W.) (ASPHALT ROADWAY)

GRASS

METAL COVERS

CONC. ISLAND

SIAMESE CONN.

FLAG POLE

MH

ASPHALT PAVEMENT

METAL STEPS

BRICK PLANTER

MH CONED RIM=6.97

CONC. RAMPS

AREA OF BLOCK 2287 TO BULKHEAD LINE= 190,588 S.F. OR 4.375 Ac.

P.O.B. PER REEL 5459, PG. 2386 PARCEL 1

N45°00'00"E 200.30'

8' HIGH C.L.F. w/RAZOR WIRE

ASPHALT PAVEMENT

MW-8X

MW-7X

CONC. WALK

MH SEWER RIM=7.60

MH CONED RIM=8.93

S 45°00'00" E

ASPHALT WALK

BPB-11

BPB-10

BPB-12

1 STORY MASONRY BUILDING "NEW YORK CITY DEPT. OF SANITATION"

BLOCK 2287
LOT 1

BPB-13/MW-4

MH SEWER RIM=7.59

MH SEWER RIM=8.37

UNCONFIRMED LOC. UG 8" WATER LINE PER REF. #3 (NOT FIELD VERIFIED, SEE NOTE 3)

BPB-15/MW-5

BPB-14

MH CONED

N 45°00'00" W 803.00'

INLET GRT.=9.72

MH CONED RIM=10.99

MH RIM=9.30

MH RIM=11.09

MH RIM=10.93

LOT 5

BPB-16/MW-6

BPB-17

ASPHALT PAVEMENT

ABOVE GROUND TANK ON CONC.

BPB-18/MW-7

BPB-19

BPB-20/MW-8

FLOOD ZONE C

BPD-21

BPB-22

N45°00'00"W 400.00'

S45°00'00"E 400.00'

BRICK WALL

OPENING IN WALL w/ROLL GATE

UNCONFIRMED LOC. UG 20" FUEL OIL LINE PER REF. #4 (NOT FIELD VERIFIED, SEE NOTE 3)

S 45°00'00" W 8' HIGH C.L.F. 200.40'

S45°00'00"W 200.00'

ELEC. COVER

DIRT/GRAVEL AREA

MH WATER RIM=12.50

MH SEWER RIM=12.99

MH CONED RIM=13.62

MH CONED RIM=10.83

MH SEWER RIM=10.40

MH SEWER RIM=10.59

MH SEWER RIM=9.75

MH ELEC. RIM=9.87

MH ELEC. RIM=10.22

PLATFORM

METAL BOX

METAL COVER

FLOOD ZONE B

METAL STEPS

LEGEND

B-20A	▲	SOIL BORINGS
MW-1	⊕	MONITORING WELLS
MW-8X	●	MONITORING WELLS PREVIOUSLY INSTALLED BY OTHERS

METCALF & EDDY | AECOM

DESIGNED BY: E. ACS
DRAWN BY: B.PAPA
DEPT. CHECK: S.MUSTHYALA
PROJ. CHECK: M. BRADY

SCALE:
0 40 80 120
SCALE IN FEET
SCALE:1"=40'-0"

NEW YORK CITY DEPARTMENT OF DESIGN AND CONSTRUCTION

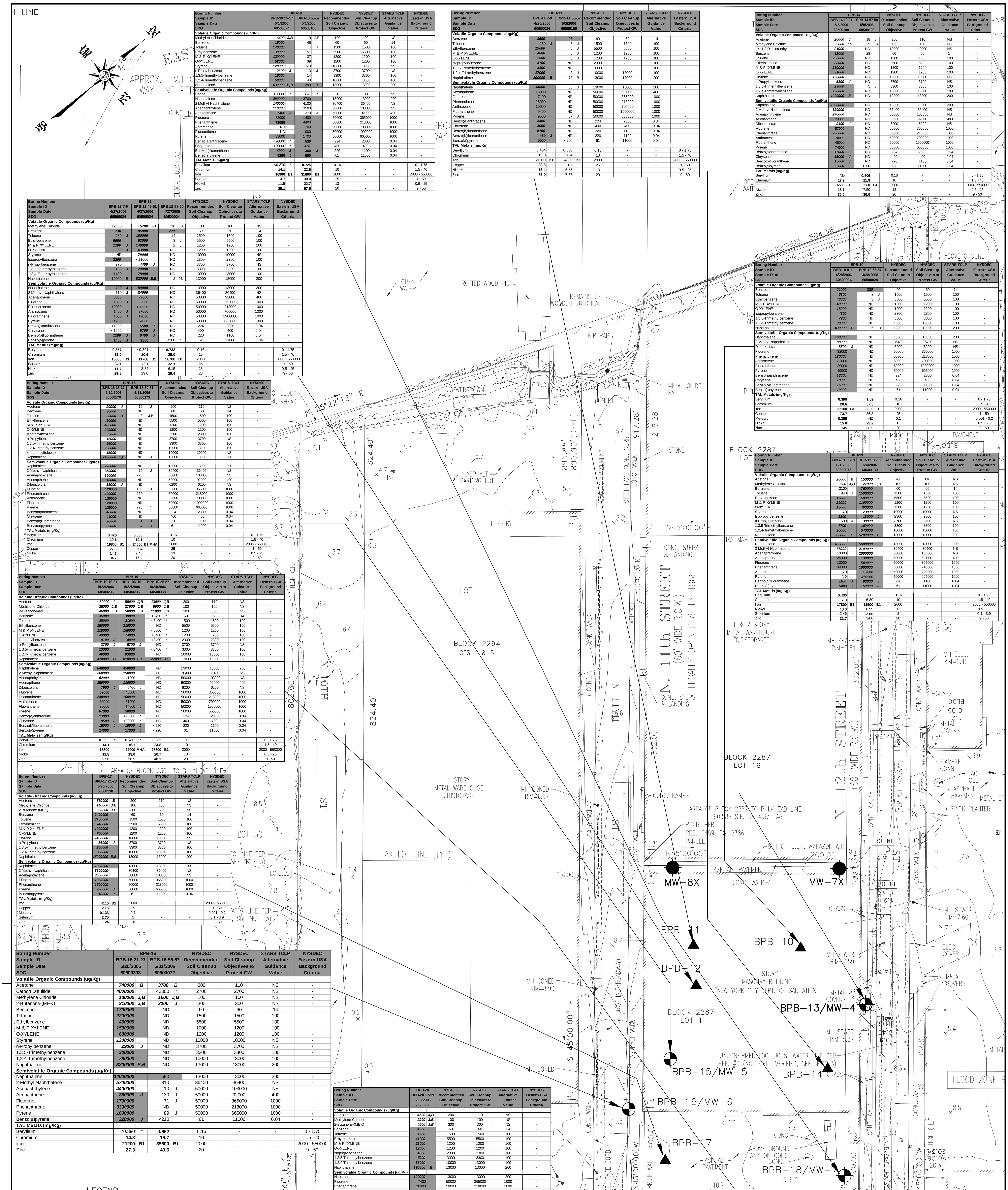
COST TO CURE REPORT-PARK LAND
DEPARTMENT OF SANITATION GARAGE
50 KENT AVENUE, BROOKLYN, N.Y.

SOIL BORINGS AND MONITORING WELL LOCATIONS
WOL NOS. 3099-M&E2R-3253
3099-M&E2R-3515
3099-M&E2R-3923

CIVIL

JUNE 2007

JOB 03601273.2929
FILE NO.
CAD FILE CZDSCTC2
SHEET FIG.2



Boring Number	BPB-18		NYSDEC	NYSDEC	STARS TCLP	NYSDEC
Sample ID	BPB-18 15-17	BPB-18 55-57	Recommended	Soil Cleanup	Alternative	Eastern USA
Sample Date	5/1/2006	5/1/2006	Soil Cleanup	Objectives to	Guidance	Background
SDG	60500024	60500100	Objective	Protect GW	Value	Criteria
Volatile Organic Compounds (ug/Kg)						
Methylene Chloride	6400 J,B	9 J,B	100	100	NS	-
Benzene	15000	45	60	60	14	-
Toluene	140000	4 J	1500	1500	100	-
Ethylbenzene	30000	57	5500	5500	100	-
M & P XYLENE	120000	37	1200	1200	100	-
O-XYLENE	52000	39	1200	1200	100	-
Styrene	120000	ND	10000	10000	NS	-
n-Propylbenzene	2600 J	3 J	3700	3700	NS	-
1,3,5-Trimethylbenzene	16000	14	3300	3300	100	-
1,2,4-Trimethylbenzene	58000	40	10000	13000	100	-
Naphthalene	630000 E,B	390 B	13000	13000	200	-
Semivolatile Organic Compounds (ug/Kg)						
Phenol	<20000 *	170 J	30	30	NS	-
Naphthalene	290000	3700	13000	13000	200	-
2-Methyl Naphthalene	140000	4100	36400	36400	NS	-
Acenaphthylene	110000	3500	50000	103000	NS	-
Acenapthene	7400 J	370 J	50000	92000	400	-
Fluorene	33000	1400	50000	365000	1000	-
Phenanthrene	73000	4400	50000	218000	1000	-
Anthracene	ND	1200	50000	700000	1000	-
Fluoranthene	ND	1000	50000	1900000	1000	-
Pyrene	33000	1700	50000	665000	1000	-
Benzo(a)anthracene	<20000 *	530	224	2800	0.04	-
Chrysene	<20000 *	450	400	400	0.04	-
Benzo(b)fluoranthene	4900 J	360 J	220	1100	0.04	-
Benzo(a)pyrene	8200 J	500	61	11000	0.04	-
TAL Metals (mg/Kg)						
Beryllium	<0.370 *	0.725	0.16	-	-	0 - 1.75
Chromium	14.1	32.6	10	-	-	1.5 - 40
Iron	16900 B1	31800 B1	2000	-	-	2000 - 550000
Copper	14.7	30.0	25	-	-	1 - 50
Nickel	11.5	22.7	13	-	-	0.5 - 25
Zinc	29.1	57.5	20	-	-	9 - 50

Boring Number	BPB-11		NYSDEC	NYSDEC	STARS TCLP	NYSDEC
Sample ID	BPB-11 7-9	BPB-11 55-57	Recommended	Soil Cleanup	Alternative	Eastern USA
Sample Date	4/25/2006	5/3/2006	Soil Cleanup	Objectives to	Guidance	Background
SDG	60500024	60500100	Objective	Protect GW	Value	Criteria
Volatile Organic Compounds (ug/Kg)						
Benzene	1500	26	60	60	14	-
Toluene	250 J	5 J	1500	1500	100	-
Ethylbenzene	19000	5 J	5500	5500	100	-
M & P XYLENE	4800	6 J	1200	1200	100	-
O-XYLENE	2800	3 J	1200	1200	100	-
Isopropylbenzene	4100	ND	2300	2300	100	-
1,3,5-Trimethylbenzene	4300	ND	3300	3300	100	-
1,2,4-Trimethylbenzene	17000	3 J	10000	13000	100	-
Naphthalene	100000 B	73 B	13000	13000	200	-
Semivolatile Organic Compounds (ug/Kg)						
Naphthalene	34000	66 J	13000	13000	200	-
Acenapthene	18000	ND	50000	92000	400	-
Fluorene	7100	ND	50000	365000	1000	-
Phenanthrene	26000	ND	50000	218000	1000	-
Anthracene	10000	ND	50000	700000	1000	-
Fluoranthene	9400	ND	50000	1900000	1000	-
Pyrene	9500	67 J	50000	665000	1000	-
Benzo(a)anthracene	4400	ND	224	2800	0.04	-
Chrysene	3900	ND	400	400	0.04	-
Benzo(b)fluoranthene	5100	ND	220	1100	0.04	-
Benzo(k)fluoranthene	460 J	ND	220	1100	0.04	-
Benzo(a)pyrene	5500	<200 *	61	11000	0.04	-
TAL Metals (mg/Kg)						
Beryllium	0.454	0.353	0.16	-	-	0 - 1.75
Chromium	19.8	26.4	10	-	-	1.5 - 40
Iron	21900 B1	24800 B1	2000	-	-	2000 - 550000
Copper	38.6	21.2	25	-	-	1 - 50
Nickel	16.4	6.56	13	-	-	0.5 - 25
Zinc	87.0	7.67	20	-	-	9 - 50

Boring Number	BPB-14		NYSDEC	NYSDEC	STARS TCLP	NYSDEC
Sample ID	BPB-14 19-21	BPB-14 57-59	Recommended	Soil Cleanup	Alternative	Eastern USA
Sample Date	5/5/2006	5/8/2006	Soil Cleanup	Objectives to	Guidance	Background
SDG	60500100	60500100	Objective	Protect GW	Value	Criteria
Volatile Organic Compounds (ug/Kg)						
Acetone	20000 J	18 J	200	110	NS	-
Methylene Chloride	9600 J,B	5 J,B	100	100	NS	-
cis-1,2-Dichloroethylene	21000	ND	10000	10000	NS	-
Benzene	91000	28	60	60	14	-
Toluene	250000	ND	1500	1500	100	-
Ethylbenzene	88000	ND	5500	5500	100	-
M & P XYLENE	210000	ND	1200	1200	100	-
O-XYLENE	91000	ND	1200	1200	100	-
Styrene	150000	ND	10000	10000	NS	-
n-Propylbenzene	5100 J	ND	3700	3700	NS	-
1,3,5-Trimethylbenzene	29000	5 J	3300	3300	100	-
1,2,4-Trimethylbenzene	120000	ND	10000	13000	100	-
Naphthalene	1200000 E	ND	13000	13000	200	-
Semivolatile Organic Compounds (ug/Kg)						
Naphthalene	1000000	ND	13000	13000	200	-
2-Methyl Naphthalene	320000	ND	36400	36400	NS	-
Acenaphthylene	270000	ND	50000	103000	NS	-
Acenapthene	20000	ND	50000	92000	400	-
Dibenzofuran	9400 J	ND	6200	6200	NS	-
Fluorene	87000	ND	50000	365000	1000	-
Phenanthrene	250000	ND	50000	218000	1000	-
Anthracene	70000	ND	50000	700000	1000	-
Fluoranthene	46000	ND	50000	1900000	1000	-
Pyrene	74000	ND	50000	665000	1000	-
Benzo(a)anthracene	17000 J	ND	224	2800	0.04	-
Chrysene	13000 J	ND	400	400	0.04	-
Benzo(b)fluoranthene	15000 J	ND	220	1100	0.04	-
Benzo(a)pyrene	23000	<200	61	11000	0.04	-
TAL Metals (mg/Kg)						
Beryllium	ND	0.506	0.16	-	-	0 - 1.75
Chromium	17.9	11.9	10	-	-	1.5 - 40
Iron	16500 B1	6960 B1	2000	-	-	2000 - 550000
Nickel	15.1	7.50	13	-	-	0.5 - 25
Zinc	30.5	30.0	20	-	-	9 - 50

Boring Number	BPB-12			NYSDEC	NYSDEC	STARS TCLP	NYSDEC
Sample ID	BPB-12 7-9	BPB-12 49-51	BPB-12 58-60	Recommended	Soil Cleanup	Alternative	Eastern USA
Sample Date	4/27/2006	4/27/2006	4/27/2006	Soil Cleanup	Objectives to	Guidance	Background
SDG	60500024	60500024	60500024	Objective	Protect GW	Value	Criteria
Volatile Organic Compounds (ug/Kg)							
Methylene Chloride	<2300	5700 JB	10 JB	100	100	NS	-
Benzene	730	85000 *	220	60	60	14	-
Toluene	230 J	190000	14	1500	1500	100	-
Ethylbenzene	5500	93000	3 J	5500	5500	100	-
M & P XYLENE	1100 J	140000	2 J	1200	1200	100	-
O-XYLENE	360 J	63000	ND	1200	1200	100	-
Styrene	ND	79000	ND	10000	10000	NS	-
Isopropylbenzene	3200	<11000 *	ND	2300	2300	100	-
n-Propylbenzene	970	4400 J	ND	3700	3700	NS	-
1,3,5-Trimethylbenzene	130 J	20000	ND	3300	3300	100	-
1,2,4-Trimethylbenzene	1400	78000	ND	10000	13000	100	-
Naphthalene	10000 B	830000 E,B	2 JB	13000	13000	200	-
Semivolatile Organic Compounds (ug/Kg)							
Naphthalene	730 J	150000	ND	13000	13000	200	-
2-Methyl Naphthalene	710 J	84000	ND	36400	36400	NS	-
Acenapthene	8300	22000	ND	50000	92000	400	-
Fluorene	1800 J	32000	ND	50000	365000	1000	-
Phenanthrene	10000	100000	ND	50000	218000	1000	-
Anthracene	1400 J	27000	ND	50000	700000	1000	-
Fluoranthene	1500 J	12000	ND	50000	1900000	1000	-
Pyrene	4700	34000	ND	50000	665000	1000	-
Benzo(a)anthracene	<1900 *	6500 J	ND	224	2800	0.04	-
Chrysene	<1900 *	5700 J	ND	400	400	0.04	-
Benzo(b)fluoranthene	1200 J	6400 J	ND	220	1100	0.04	-
Benzo(a)pyrene	1400 J	9800	<200 *	61	11000	0.04	-
TAL Metals (mg/Kg)							
Beryllium	0.357	<0.301	0.732	0.16	-	-	0 - 1.75
Chromium	13.0	10.6	29.0	10	-	-	1.5 - 40
Iron	16000 B1	11700 B1	56700 B1	2000	-	-	2000 - 550000
Copper	24.1	12.1	32.1	25	-	-	1 - 50
Nickel	11.7	8.84	6.15	13	-	-	0.5 - 25
Zinc	29.8	19.0	29.4	20	-	-	9 - 50

Boring Number	BPB-10		NYSDEC	NYSDEC	STARS TCLP	NYSDEC
Sample ID	BPB-10 9-11	BPB-10 55-57	Recommended	Soil Cleanup	Alternative	Eastern USA
Sample Date	4/28/2006	4/28/2006	Soil Cleanup	Objectives to	Guidance	Background
SDG	60500024	60500024	Objective	Protect GW	Value	Criteria
Volatile Organic Compounds (ug/Kg)						
Benzene	21000	380	60	60	14	-
Toluene	5300	3 J	1500	1500	100	-
Ethylbenzene	48000	3 J	5500	5500	100	-
M & P XYLENE	40000	ND	1200	1200	100	-
O-XYLENE	18000	ND	1200	1200	100	-
Isopropylbenzene	4300	ND	2300	2300	100	-
1,3,5-Trimethylbenzene	7900	ND	3300	3300	100	-
1,2,4-Trimethylbenzene	38000	ND	10000	13000	100	-
Naphthalene	430000 B	6 JB	13000	13000	200	-
Semivolatile Organic Compounds (ug/Kg)						
Naphthalene	160000	ND	13000	13000	200	-
2-Methyl Naphthalene	88000	ND	36400	36400	NS	-
Dibenzofuran	8500 J	ND	6200	6200	NS	-
Fluorene	32000	ND	50000	365000	1000	-
Phenanthrene	120000	ND	50000	218000	1000	-
Anthracene	32000	ND	50000	700000	1000	-
Fluoranthene	29000	ND	50000	1900000	1000	-
Pyrene	49000	ND	50000	665000	1000	-
Benzo(a)anthracene	18000	ND	224	2800	0.04	-
Chrysene	18000	ND	400	400	0.04	-
Benzo(b)fluoranthene	16000	ND	220	1100	0.04	-
Benzo(a)pyrene	19000	ND	61	11000	0.04	-
TAL Metals (mg/Kg)						
Beryllium	0.399	1.09	0.16	-	-	0 - 1.75
Chromium	20.6	37.5	10	-	-	1.5 - 40
Iron	23100 B1	36000 B1	2000	-	-	2000 - 550000
Copper	73.7	36.3	25	-	-	1 - 50
Mercury	0.305	ND	0.1	-	-	0.001 - 0.2
Nickel	15.0	29.2	13	-	-	0.5 - 25
Zinc	145	66.9	20	-	-	9 - 50

Boring Number	BPB-15		NYSDEC	NYSDEC	STARS TCLP	NYSDEC
Sample ID	BPB-15 15-17	BPB-15 59-61	Recommended	Soil Cleanup	Alternative	Eastern USA
Sample Date	5/10/2006	5/11/2006	Soil Cleanup	Objectives to	Guidance	Background
SDG	60500179	60500179	Objective	Protect GW	Value	Criteria
Volatile Organic Compounds (ug/Kg)						
Acetone	20000 J	19 J	200	110	NS	-
Benzene	86000	ND	60	60	14	-
Toluene	20000 B	3 J,B	1500	1500	100	-
Ethylbenzene	490000	ND	5500	5500	100	-
M & P XYLENE	480000	ND	1200	1200	100	-
O-XYLENE	200000	ND	1200	1200	100	-
Isopropylbenzene	39000	ND	2300	2300	100	-
n-Propylbenzene	16000	ND	3700	3700	NS	-
1,3,5-Trimethylbenzene	56000	ND	3300	3300	100	-
1,2,4-Trimethylbenzene	250000	ND	10000	13000	100	-
4-Isopropyltoluene	15000	ND	10000	10000	NS	-
Naphthalene	2100000 E,B	ND B	13000	13000	200	-
Semivolatile Organic Compounds (ug/Kg)						
Naphthalene	770000	ND	13000	13000	200	-
2-Methyl Naphthalene	350000	76 J	36400	36400	NS	-
Acenaphthylene	150000	270	50000	103000	NS	-
Acenapthene	210000	ND	50000	92000	400	-
Dibenzofuran	13000 J	ND	6200	6200	NS	-
Fluorene	120000	100 J	50000	365000	1000	-
Phenanthrene	400000	260	50000	218000	1000	-
Anthracene	130000	ND	50000	700000	1000	-
Fluoranthene	120000	ND	50000	1900000	1000	-
Pyrene	120000	220 *	50000	665000	1000	-
Benzo(a)anthracene	48000	ND	224	2800	0.04	-
Chrysene	44000	ND	400	400	0.04	-
Benzo(b)fluoranthene	26000	51 J	220	1100	0.04	-
Benzo(a)pyrene	39000	67 J	61	11000	0.04	-
TAL Metals (mg/Kg)						
Beryllium	0.420	0.665	0.16	-	-	0 - 1.75
Chromium	19.1	19.1	10	-	-	1.5 - 40
Iron	19800 B1	24600 B1,MHA	2000	-	-	2000 - 550000
Copper	27.3	25.4	25	-	-	1 - 50
Nickel	14.7	9.45	13	-	-	0.5 - 25
Zinc	34.7	15.4	20	-	-	9 - 50

Boring Number	BPB-13		NYSDEC	NYSDEC	STARS TCLP	NYSDEC
Sample ID	BPB-13 11-13	BPB-13 50-52	Recommended	Soil Cleanup	Alternative	Eastern USA
Sample Date	6/1/2006	6/6/2006	Soil Cleanup	Objectives to	Guidance	Background
SDG	60600072	60600130	Objective	Protect GW	Value	Criteria
Volatile Organic Compounds (ug/Kg)						
Acetone	20000 B	150000 *	200	110	NS	-
Methylene Chloride	9500 J,B	27000 J,B	100	100	NS	-
Benzene	<3100 *	760000	60	60	14	-
Toluene	940 J	1500000	1500	1500	100	-
Ethylbenzene	17000	1600000	5500	5500	100	-
M & P XYLENE	29000	1100000	1200	1200	100	-
O-XYLENE	13000	490000	1200	1200	100	-
Styrene	ND	73000	10000	10000	NS	-
Isopropylbenzene	3200	13000 J	2300	2300	100	-
n-Propylbenzene	1600 J	38000	3700	3700	NS	-
1,3,5-Trimethylbenzene	7700	160000	3300	3300	100	-
1,2,4-Trimethylbenzene	30000	540000	10000	13000	100	-
Naphthalene	260000 E	5700000 E	13000	13000	200	-
Semivolatile Organic Compounds (ug/Kg)						
Naphthalene	180000	5600000	13000	13000	200	-
2-Methyl Naphthalene	76000	2100000	36400	36400	NS	-
Acenaphthylene	13000	2000000	50000	103000	NS	-
Acenapthene	25000	130000 J	50000	92000	400	-
Fluorene	13000	560000	50000	365000	1000	-
Phenanthrene	34000	1600000	50000	218000	1000	-
Anthracene	ND	87000 J	50000	700000	1000	-
Pyrene	ND	460000	50000	665000	1000	-
Benzo(b)fluoranthene	3100 J	98000 J	220	1100	0.04	-
Benzo(a)pyrene	5000 J	150000 J	61	11000	0.04	-
TAL Metals (mg/Kg)						
Beryllium	0.436	ND	0.16	-	-	0 - 1.75
Chromium	17.3	6.80	10	-	-	1.5 - 40
Iron	17800 B1	13500 B1	2000	-	-	2000 - 550000
Nickel	13.0	6.99	13	-	-	0.5 - 25
Selenium	<2.46 *	2.00	2	-	-	0.1 - 3.9
Zinc	31.7	14.0	20	-	-	9 - 50

Boring Number	BPB-19			NYSDEC	NYSDEC	STARS TCLP	NYSDEC
Sample ID	BPB-19 19-21	BPB-19D 19-	BPB-19 55-57	Recommended	Soil Cleanup	Alternative	Eastern USA
Sample Date	5/22/2006	5/22/2006	5/24/2006	Soil Cleanup	Objectives to	Guidance	Background
SDG	60500236	60500236	60500338	Objective	Protect GW	Value	Criteria
Volatile Organic Compounds (ug/Kg)							
Acetone	<60000 *	55000 J,B	13000 J,B	200	110	NS	-
Methylene Chloride	25000 J,B	27000 J,B	5000 J,B	100	100	NS	-
2-Butanone-(MEK)	46000 J,B	50000 J,B	11000 J,B	300	300	NS	-
Benzene	35000	39000	<3400 *	60	60	14	-
Toluene	25000	31000	<3400 *	1500	1500	100	-
Ethylbenzene	150000	210000	ND	5500	5500	100	-
M & P XYLENE	110000	160000	<6800 *	1200	1200	100	-
O-XYLENE	48000	74000	<3400 *	1200	1200	100	-
Isopropylbenzene	9100 J	14000	<3400 *	2300	2300	100	-
n-Propylbenzene	3700 J	5700 J	ND	3700	3700	NS	-
1,3,5-Trimethylbenzene	13000	21000	<3400 *	3300	3300	100	-
1,2,4-Trimethylbenzene	46000	83000	ND	10000	13000	100	-
Naphthalene	470000 B	810000 E,B	27000 B	13000	13000	200	-
Semivolatile Organic Compounds (ug/Kg)							
Naphthalene	840000	450000	ND	13000	13000	200	-
2-Methyl Naphthalene	260000	190000	ND	36400	36400	NS	-
Acenaphthylene	62000	41000	ND	50000	103000	NS	-
Acenapthene	150000	110000	ND	50000	92000	400	-
Dibenzofuran	7900 J	5400 J	ND	6200	6200	NS	-
Fluorene	69000	48000	ND	50000	365000	1000	-
Phenanthrene	240000	160000	ND	50000	218000	1000	-
Anthracene	52000	31000	ND	50000	700000	1000	-
Fluoranthene	30000	14000 J	ND	50000	1900000	1000	-
Pyrene	67000	50000	ND	50000	665000	1000	-
Benzo(a)anthracene	13000 J	<23000 *	ND	224	2800	0.04	-
Chrysene	9500 J	<23000 *	ND	400	400	0.04	-
Benzo(b)fluoranthene	15000 J	10000 J	<220	220	1100	0.04	-
Benzo(a)pyrene	24000	17000 J	<220	61	11000	0.04	-
TAL Metals (mg/Kg)							
Beryllium	<0.392 *	<0.412 *	0.603	0.16	-	-	0 - 1.75
Chromium	14.1	16.1	24.8	10	-	-	1.5 - 40
Iron	18800	22000 MHA	26600 B1	2000	-	-	2000 - 550000
Nickel	11.8	13.0	20.7	13	-	-	0.5 - 25
Zinc	27.8	38.5	48.3	20	-	-	9 - 50

Boring Number	BPB-17	NYSDEC	NYSDEC	STARS TCLP	NYSDEC
Sample ID	BPB-17 21-23	Recommended	Soil Cleanup	Alternative	Eastern USA
Sample Date	5/25/2006	Soil Cleanup	Objectives to	Guidance	Background
SDG	60500338	Objective	Protect GW	Value	Criteria
Volatile Organic Compounds (ug/Kg)					
Acetone	560000 B	200	110	NS	-
Methylene Chloride	140000 J,B	100	100	NS	-
2-Butanone-(MEK)	230000 J,B	300	300	NS	-
Benzene	2400000	60	60	14	-
Toluene	3100000	1500	1500	100	-
Ethylbenzene	740000	5500	5500	100	-
M & P XYLENE	1900000	1200	1200	100	-
O-XYLENE	760000	1200	1200	100	-
Styrene	1400000	10000	10000	NS	-
n-Propylbenzene	36000 J	3700	3700	NS	-
1,3,5-Trimethylbenzene	250000	3300	3300	100	-
1,2,4-Trimethylbenzene	980000	10000	13000	100	-
Naphthalene	15000000 E,B	13000	13000	200	-
Semivolatile Organic Compounds (ug/Kg)					
Naphthalene	11000000	13000	13000	200	-
2-Methyl Naphthalene	3600000	36400	36400	NS	-
Acenaphthylene	3500000	50000	103000	NS	-
Fluorene	1000000	50000	365000	1000	-
Phenanthrene	1500000	50000	218000	1000	-
Pyrene	790000 J	50000	665000	1000	-
Benzo(a)pyrene	210000 J	61	11000	0.04	-
TAL Metals (mg/Kg)					
Iron	4110 B1	2000	-	-	2000 - 550000
Copper	28.5	25	-	-	1 - 50
Mercury	0.133	0.1	-	-	0.001 - 0.2
Selenium	2.70	2	-	-	0.1 - 3.9
Zinc	124	20	-	-	9 - 50

Boring Number	BPB-16		NYSDEC	NYSDEC	STARS TCLP	NYSDEC
Sample ID	BPB-16 21-23	BPB-16 55-57	Recommended	Soil Cleanup	Alternative	Eastern USA
Sample Date	5/26/2006	5/31/2006	Soil Cleanup	Objectives to	Guidance	Background
SDG	60500338	60600072	Objective	Protect GW	Value	Criteria
Volatile Organic Compounds (ug/Kg)						
Acetone	740000 B	3700 B	200	110	NS	-
Carbon Disulfide	4000000	<3000 *	2700	2700	NS	-
Methylene Chloride	180000 J,B	1900 J,B	100	100	NS	-
2-Butanone-(MEK)	310000 J,B	2100 J	300	300	NS	-
Benzene	1700000	ND	60	60	14	-
Toluene	2200000	ND	1500	1500	100	-
Ethylbenzene	460000	ND	5500	5500	100	-
M & P XYLENE	1500000	ND	1200	1200	100	-
O-XYLENE	600000	ND	1200	1200	100	-
Styrene	1200000	ND	10000	10000	NS	-
n-Propylbenzene	29000 J	ND	3700	3700	NS	-
1,3,5-Trimethylbenzene	200000	ND	3300	3300	100	-
1,2,4-Trimethylbenzene	780000	ND	10000	13000	100	-
Naphthalene	8800000 E,B	ND	13000	13000	200	-
Semivolatile Organic Compounds (ug/Kg)						
Naphthalene	14000000	590	13000	13000	200	-
2-Methyl Naphthalene	5700000	310	36400	36400	NS	-
Acenaphthylene	4400000	110 J	50000	103000	NS	-
Acenapthene	280000 J	130 J	50000	92000	400	-
Fluorene	1700000	71 J	50000	365000	1000	-
Phenanthrene	3300000	ND	50000	218000	1000	-
Pyrene	1600000	89 J	50000	665000	1000	-
Benzo(a)pyrene	320000 J	<210	61	11000	0.04	-
TAL Metals (mg/Kg)						
Beryllium	<0.390 *	0.652	0.16	-	-	0 - 1.75
Chromium	14.3	16.7	10	-	-	1.5 - 40
Iron	21200 B1	35600 B1	2000	-	-	2000 - 550000
Zinc	27.3	40.6	20	-	-	9 - 50

Boring Number	BPB-20	NYSDEC	NYSDEC	STARS TCLP	NYSDEC
Sample ID	BPB-20 17-19	Recommended	Soil Cleanup	Alternative	Eastern USA
Sample Date	5/16/2006	Soil Cleanup	Objectives to	Guidance	Background
SDG	60500236	Objective	Protect GW	Value	Criteria
Volatile Organic Compounds (ug/Kg)					
Acetone	4500 J,B	200	110	NS	-
Methylene Chloride	2900 J,B	100	100	NS	-
2-Butanone-(MEK)	4500 J,B	300	300	NS	-
Benzene	4200	60	60	14	-
Toluene	1700	1500	1500	100	-
Ethylbenzene	41000	5500	5500	100	-
M & P XYLENE	22000	1200	1200	100	-
O-XYLENE	12000	1200	1200	100	-
Isopropylbenzene	4600	2300	2300	100	-
1,3,5-Trimethylbenzene	7000	3300	3300	100	-
1,2,4-Trimethylbenzene	33000	10000	13000	100	-
Naphthalene	190000 B	13000	13000	200	-
Semivolatile Organic Compounds (ug/Kg)					
Naphthalene	120000	13000	13000	200	-
Fluorene	7400	50000	365000	1000	-
Phenanthrene	26000	50000	218000	1000	-
Anthracene	7400	50000	700000	1000	-
Fluoranthene	8500	50000	1900000	1000	-
Pyrene	8100	50000	665000	1000	-
Benzo(a)anthracene	2300	224	2800	0.04	-
Chrysene	2200	400	400	0.04	-
Benzo(b)fluoranthene	2300	220	1100	0.04	-
Benzo(a)pyrene	2800	61	11000	0.04	-
TAL Metals (mg/Kg)					
Arsenic	54.2	7.5	-	-	3 - 12
Chromium	12.4	10	-	-	1.5 - 40
Iron	16400	2000	-	-	2000 - 550000
Mercury	0.433 M1	0.1	-	-	0.001 - 0.2
Nickel	18.1	13	-	-	0.5 - 25
Zinc	203	20	-	-	9 - 50

Boring Number	BPB-22			NYSDEC	NYSDEC	STARS TCLP	NYSDEC
Sample ID	BPB-22 35-37	BPB-22D 35-37	BPB-22 55-57	Recommended	Soil Cleanup	Alternative	Eastern USA
Sample Date	6/8/2006	6/8/2006	6/9/2006	Soil Cleanup	Objectives to	Guidance	Background
SDG	60600130	60600130	60600176	Objective	Protect GW	Value	Criteria
Volatile Organic Compounds (ug/Kg)							
Carbon Disulfide	<2900 *	4000 J	ND	2700	2700	NS	-
Methylene Chloride	440 J,B	3200 J,B	ND	100	100	NS	-
Benzene	870	4100	ND	60	60	14	-
Toluene	780	8000	ND	1500	1500	100	-
Ethylbenzene	1300	12000	ND	5500	5500	100	-
M & P XYLENE	1500	12000	ND	1200	1200	100	-
O-XYLENE	670	5300	ND	1200	1200	100	-
1,3,5-Trimethylbenzene	470 J	3100	ND	3300	3300	100	-
1,2,4-Trimethylbenzene	120000	11000	ND	10000	13000	100	-
Naphthalene	9100	63000	ND	13000	13000	200	-
Semivolatile Organic Compounds (ug/Kg)							
Naphthalene	2300000	180000	ND	13000	13000	200	-
2-Methyl Naphthalene	92000	75000	ND	36400	36400	NS	-
Acenaphthylene	54000	37000	ND	50000	103000	NS	-
Acenapthene	20000	20000	ND	50000	92000	400	-
Fluorene	21000	17000	ND	50000	365000	1000	-
Phenanthrene	68000	54000	ND	50000	218000	1000	-
Anthracene	8500 J	5800 J	ND	50000	700000	1000	-
Fluoranthene	8500 J	3300 J	ND	50000	1900000	1000	-
Pyrene	19000	ND	ND	50000	665000	1000	-
Benzo(b)fluoranthene	4800 J	4200 J	ND	220	1100	0.04	-
Benzo(a)pyrene	7200 J	6000 J	<180	61	11000	0.04	-
TAL Metals (mg/Kg)							
Beryllium	<0.286 *	<0.206 *	0.473	0.16	-	-	0 - 1.75
Chromium	11.1	10.2	13.1	10	-	-	1.5 - 40
Iron	7840 B1	7220 B1	25800 B1	2000	-	-	2000 - 550000
Zinc	20.7	19.1	21.2	20	-	-	9 - 50

Boring Number	BPB-21		NYSDEC	NYSDEC	STARS TCLP	NYSDEC
Sample ID	BPB-21 21-23	BPB-21 57-59	Recommended	Soil Cleanup	Alternative	Eastern USA
Sample Date	5/8/2006	5/9/2006	Soil Cleanup	Objectives to	Guidance	Background
SDG	60500100	60500179	Objective	Protect GW	Value	Criteria
Volatile Organic Compounds (ug/Kg)						
Acetone	25000 J	20 J	200	110	NS	-
Methylene Chloride	10000 J,B	ND	100	100	NS	-
Benzene	170000	ND	60	60	14	-
Toluene	210000	3 J,B	1500	1500	100	-
Ethylbenzene	23000	ND	5500	5500	100	-
M & P XYLENE	170000	3 J	1200	1200	100	-
O-XYLENE	74000	ND	1200	1200	100	-
Styrene	190000	ND	10000	10000	NS	-
1,3,5-Trimethylbenzene	23000	ND	3300	3300	100	-
1,2,4-Trimethylbenzene	89000	3 J	10000	13000	100	-
Naphthalene	1300000 E	130 B	13000	13000	200	-
Semivolatile Organic Compounds (ug/Kg)						
Naphthalene	390000	ND	13000	13000	200	-
2-Methyl Naphthalene	160000	ND	36400	36400	NS	-
Acenaphthylene	130000	ND	50000	103000	NS	-
Acenapthene	8300 J	ND	50000	92000	400	-
Fluorene	42000	ND	50000	365000	1000	-
Phenanthrene	100000	ND	50000	218000	1000	-
Anthracene	7200 J	ND	50000	700000	1000	-
Fluoranthene	4100 J	ND	50000	1900000	1000	-
Pyrene	39000	ND	50000	665000	1000	-
Benzo(b)fluoranthene	6800 J	ND	220	1100	0.04	-
Benzo(a)pyrene	10000 J	<190 *	61	11000	0.04	-
TAL Metals (mg/Kg)						
Chromium	13.7	14.3	10	-	-	1.5 - 40
Iron	23400 B1,M1	7330 B1	2000	-	-	2000 - 550000
Zinc	33.1	46.7	20	-	-	9 - 50

LEGEND

- B-20A ▲ SOIL BORINGS
- MW-1 MONITORING WELLS INSTALLED BY M&E
- MW-8X ● MONITORING WELLS PREVIOUSLY INSTALLED BY OTHERS

NOTES FOR SUMMARY TABLES:

1. BOLD-INDICATES VALUES THAT EXCEEDED THE NYSDEC RECOMMENDED SOIL CLEANUP CRITERIA/NYSDEC EASTERN BACKGROUND CRITERIA.
2. ITALICS-INDICATES VALUES THAT EXCEEDED THE NYSDEC SOIL CLEANUP OBJECTIVES TO PROTECT GROUNDWATER.
3. SHADED-INDICATES VALUES THAT EXCEEDED THE STARS TCLP ALTERNATIVE GUIDANCE VALUES.
4. ND-NOT DETECTED.
5. J- INDICATES AN ESTIMATED VALUE.
6. B-ANALYTE WAS DETECTED IN THE ASSOCIATED METHOD BLANK.
7. E-CONCENTRATION EXCEEDS THE CALIBRATION RANGE AND RESULTS IS SEMI-QUANTITATIVE.
8. B1-ANALYTE CONCENTRATION IN THE SAMPLE IS GREATER THAN 10X THE CONCENTRATION FOUND IN THE METHOD BLANK.
9. M1-THE MS AND/OR MSD WERE BELOW ACCEPTABLE LIMITS DUE TO SAMPLE MATRIX INTERFERENCE.
10. MHA-DUE TO HIGH LEVELS OF ANALYTE IN THE SAMPLE, THE MS/MSD CALCULATION DOES NOT PROVIDE USEFUL SPIKE RECOVERY INFORMATION.
11. RL5-REPORTING RAISED DUE TO HIGH SINGLE PEAK ANALYTE.
12. *-MDL EXCEEDED TAGM RECOMMENDED SOIL CLEANUP OBJECTIVES.

METCALF & EDDY | AECOM

DESIGNED BY: E. ACS
DRAWN BY: B.PAPA
DEPT. CHECK: S.MUSTHYALA
PROJ. CHECK: M. BRADY

SCALE: 0 40 80 120 SCALE IN FEET SCALE:1"=40'-0"
UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

NEW YORK CITY DEPARTMENT OF DESIGN AND CONSTRUCTION
COST TO CURE REPORT-PARK LAND
DEPARTMENT OF SANITATION GARAGE
50 KENT AVENUE, BROOKLYN, N.Y.
SITE MAP WITH SOIL SAMPLE RESULTS
WOL NOS. 3099-M&E2R-3253
3099-M&E2R-3515
3099-M&E2R-3923
CIVIL
JUNE 2007

JOB 03601273.2929
FILE NO.
CAD FILE CZDSCC3
SHEET FIG.3

EAST RIVER

OPEN WATER

APPROX. LIMIT OF RIGHT OF WAY LINE PER REF. #7

CONC. BLOCK BULKHEAD

BROKEN CONC. PIER

OVERGROWN AREA

METAL TOWER NAVIGATION AID

LINE

N29°23'55"E 207.65'

N 25°22'13" E 63.70'

METAL GUIDE RAIL

REMAINS OF SUBMERGED WOODEN BULKHEAD

ROTTED WOOD PIER

REMAINS OF WOODEN BULKHEAD

RIP RAP

EDGE OF WATER

CONC. WALL

8' HIGH C.L.F.

747.15' 747.20' (DEED)

824.40'

ASPHALT PARKING LOT

INLET

1 STORY

LOT 1

BLOCK 2294
LOTS 1 & 5

DIRT/GRAVEL AREA

DIRT PILE

803.00'

LOT 50

LOT 60

LOT 70

SHED

TAX LOT LINE

N. 10th STREET
(60' WIDE R.O.W.)
LEGALLY OPENED 8-13-1866

N 45°00'00" W

S 45°00'00" E

INLET GRT.=9.72

MH CONED RIM=10.99

MH RIM=9.30

MH RIM=11.09

MH RIM=10.93

LOT 5

ELEC. COVER

DIRT/GRAVEL AREA

MH WATER RIM=12.50

MH SEWER RIM=13.62

S 45°00'00" W 8' HIGH C.L.F. 200.40'

CONC. WALK

INLET GRT.=14.44

MH SEWER RIM=14.87

MH SEWER RIM=14.50

ONE WAY TRAFFIC

1 STORY MASONRY BLDG.

2 STORY MASONRY BLDG.

3 STORY FRAME BLDG.

3 STORY MASONRY BLDG.

KENT AVENUE

INLET GRT.=12.89

MH SEWER RIM=13.97

ELEC. COVER

CONC. WALK

INLET GRT.=12.78

MH TEL. RIM=13.16

MH WATER RIM=12.79

2 STORY MASONRY BUILDING

MH SEWER RIM=11.78

PER REEL 2329, PG. 1209
TRACT I, PARCEL I

N45°00'00"W 223.26'

S25°22'13"W 31.85'

WOODEN BULKHEAD 584.36'

CONC. LANDING w/METAL RAILING

ROW OF DOUBLE AREA LIGHTS

METAL GUIDE RAIL

0.32'

CONC. PIER

WOODEN BULKHEAD

EDGE OF BULKHEAD

S73°12.00

OVERGROWN AREA

KENT AVE.

10' HIGH C.L.F

ABOVE GROUND TANK

GRASS AREA

988.61' CONC. WALK

TIE DIST. TO KENT AVE. 1051.75'

ALONG CENTERLINE PER REEL 2329, PG. 7209

METAL GUIDE RAIL

STEPS

ABOVE GROUND TANK

ABOVE GROUND PIPE SYSTEM (TYP.)

GAS METER

CONC. MAT

ASPHALT PAVEMENT

1010.00'

286.61'

BLDG. 0.04

BLDG. 0.5

MH ELEC. RIM=4.58

CONC. STEPS

(3) C/O

MH SEWER RIM=5.16

3 STORY MASONRY BUILDING "BAYSIDE OIL"

BLOCK 2287
LOT 30

917.28'

215.28'

STONE

METAL GUIDE RAIL

STEEL FACE CONC. CURB

CONC. WALK

EDGE OF PAVEMENT

N45°00'00"E 200.30'

TAX MAP LOT LINE

CONC. STEPS & LANDING

CONC. STEPS & LANDING

N. 11th STREET
(60' WIDE R.O.W.)
LEGALLY OPENED 8-13-1866

1 & 2 STORY METAL WAREHOUSE "CITISTORAGE"

CONC. WALK

ASPHALT

CONC. RAMPS

AREA OF BLOCK 2287 TO BULKHEAD LINE= 190,588 S.F. OR 4.375 Ac.

P.O.B. PER REEL 5459, PG. 2386 PARCEL 1

N45°00'00"E 200.30'

8' HIGH C.L.F. w/RAZOR WIRE

ASPHALT PAVEMENT

MW-8X

MW-7X

CONC. WALK

BLOCK 2287
LOT 16

N. 12th STREET
(60' WIDE R.O.W.)
LEGALLY OPENED 8-13-1866

POLE

ASPHALT PAVEMENT

BRICK PLANTER

GRASS

MH SEWER RIM=7.60

ELEC. COVER

MH SEWER RIM=7.59

METAL COVERS

BPB-11

BPB-10

BPB-12

1 STORY MASONRY BUILDING "NEW YORK CITY DEPT. OF SANITATION"

BPB-13/MW-4

BLOCK 2287
LOT 1

MH SEWER RIM=8.37

UNCONFIRMED LOC. UG 8" WATER LINE PER REF. #3 (NOT FIELD VERIFIED, SEE NOTE 3)

BPB-15/MW-5

BPB-14

FLOOD ZONE

MH CONED RIM=8.93

MH CONED

BPB-16/MW-6

BPB-17

ASPHALT PAVEMENT

BPB-18/MW-7

BPB-19

BPB-20/MW-8

FLOOD ZONE C

METAL BOX

MH

MH

OPENING IN WALL w/ROLL GATE

UNCONFIRMED LOC. UG 20" FUEL OIL REF. #4 (NOT FIELD VERIFIED, SEE NOTE 3)

BPB-22

BRICK WALL

ELEC. COVERS

S45°00'00"W 66.0'

ELEC. (SEE NOTE 10) COVER

DBL. YELLOW LINE

CONC. WALK

INLET GRT=12.78

MH TEL. RIM=13.16

MH WATER RIM=12.79

2 STORY MASONRY BUILDING

MH SEWER RIM=11.78

NOTES FOR SUMMARY TABLES:

1. BOLD – INDICATES VALUES THAT EXCEEDED THE NYSDEC TOGS 1.1.1 GROUNDWATER CRITERIA.
2. J – INDICATES AN ESTIMATED VALUE.
3. E – INDICATES THE ANALYTE CONCENTRATION EXCEEDS THE CALIBRATED RANGE OF THE INSTRUMENT FOR THAT SPECIFIC ANALYSIS
4. B – ANALYTE WAS DETECTED IN THE ASSOCIATED METHOD BLANK.
5. MHA – DUE TO HIGH LEVELS OF ANALYTE IN THE SAMPLE, THE MS/MSD CALCULATION DOES NOT PROVIDE USEFUL SPIKE RECOVERY INFORMATION.
6. I – INTERNAL STANDARD RECOVERY OUTSIDE OF METHOD LIMIT
7. M1 – MS AND/OR MSD ABOVE ACCEPTABLE LIMITS DUE TO SAMPLE MATRIX INTERFERENCE.
8. * – MDL EXCEEDED TOGS 1.1.1 GROUNDWATER CRITERIA.

Monitoring Well	MW-5		NYSDEC
Screen Depth (ft)	2-12		TOGS
Sample Date	7/20/2006		Groundwater
Lab Idenification Number	60700195		Criteria
Volatile Organic Compounds (ug/Kg)			
Acetone	370		50
2-Butanone-(MEK)	61		50
Benzene	3700		1
Toluene	1400		74
Ethylbenzene	1000		5
M&P-Xylene	830		10
O-Xylene	560		5
Styrene	170	J	5
Isopropylbenzene	33		5
n-Propylbenzene	9		5
1,3,5-Trimethylbenzene	58		5
1,2,4-Trimethylbenzene	180		5
4-Isopropyltoluene	5	J	5
Naphthalene	2700		10
Semivolatile Organic Compounds (ug/Kg)			
Phenol	26	J	0.001
Naphthalene	1900		10
Acenaphthene	78		20
TAL Metals (mg/Kg)			
Arsenic	0.0402		0.025
Iron	5.16	M1	0.3
Lead	0.0272		0.025
Sodium	1380		20
Total Cyanide (mg/Kg)	3.7		0.2

Monitoring Well	MW-6		NYSDEC
Screen Depth (ft)	5-15		TOGS
Sample Date	7/21/2006		Groundwater
Lab Idenification Number	60700210		Criteria
Volatile Organic Compounds (ug/Kg)			
Benzene	4000		1
Toluene	4500		74
Ethylbenzene	2700		5
M&P-Xylene	2400		10
O-Xylene	1100		5
Styrene	1200		5
1,3,5-Trimethylbenzene	150	J	5
1,2,4-Trimethylbenzene	660		5
Naphthalene	13000		10
Semivolatile Organic Compounds (ug/Kg)			
Naphthalene	8000		10
Acenaphthene	89	J	20
Fluorene	150		50
Phenanthrene	270		50
Anthracene	76	J	50
Fluoranthene	54	J	50
Pyrene	89	J	50
Benzo(a)anthracene	28	J	0.002
Chrysene	24	J	0.002
Benzo(b)fluoranthene	64	J	0.002
TAL Metals (mg/Kg)			
Barium	1.07		1
Arsenic	0.0480		0.025
Chromium	0.298		0.05
Copper	0.328		0.2
Iron	230		0.3
Magnesium	35.0		35
Lead	0.318		0.025
Manganese	3.06		0.3
Nickel	0.177		0.1
Sodium	1530		20

Monitoring Well	MW-8		NYSDEC
Screen Depth (ft)	5-15		TOGS
Sample Date	7/24/2006		Groundwater
Lab Idenification Number	60700226		Criteria
Volatile Organic Compounds (ug/Kg)			
Acetone	75	J	50
Benzene	10000		1
Toluene	1200		74
Ethylbenzene	7300		5
M&P-Xylene	3700		10
O-Xylene	2200		5
Isopropylbenzene	250		5
n-Propylbenzene	56		5
1,3,5-Trimethylbenzene	260		5
1,2,4-Trimethylbenzene	1200		5
4-Isopropyltoluene	19	J	5
Naphthalene	14000		10
Semivolatile Organic Compounds (ug/Kg)			
Phenol	27	I	0.001
Naphthalene	7900	B	10
Acenaphthene	110	E	20
bis(2-Ethylhexyl)phthalate	6	B	5
TAL Metals (mg/Kg)			
Barium	3.83		1
Iron	14.8	MHA	0.3
Magnesium	238		35
Sodium	3310	MHA	20
Total Cyanide (mg/Kg)	0.44		0.2

Monitoring Well	MW-4		NYSDEC
Screen Depth (ft)	5-15		TOGS
Sample Date	7/21/2006		Groundwater
Lab Idenification Number	60700210		Criteria
Volatile Organic Compounds (ug/Kg)			
Vinyl Chloride	120	J	2
Benzene	57000		1
Toluene	26000		74
Ethylbenzene	5200		5
M&P-Xylene	4300		10
O-Xylene	2000		5
Styrene	670		5
1,3,5-Trimethylbenzene	180	J	5
1,2,4-Trimethylbenzene	760		5
Naphthalene	15000		10
Semivolatile Organic Compounds (ug/Kg)			
Naphthalene	120000		10
Acenaphthene	2400	J	20
Fluorene	12000		50
Phenanthrene	30000		50
Anthracene	9400		50
TAL Metals (mg/Kg)			
Barium	1.58		1
Arsenic	0.180		0.025
Beryllium	0.00832		0.003
Cadmium	0.00867		0.005
Chromium	0.690		0.05
Copper	0.632		0.2
Iron	316		0.3
Magnesium	134		35
Lead	1.05		0.025
Manganese	7.27		0.3
Nickel	0.331		0.1
Sodium	627		20

Monitoring Well	MW-8X		MW-8XD		NYSDEC
Screen Depth (ft)	Unknown		Unknown		TOGS
Sample Date	7/24/2006		7/24/2006		Groundwater
Lab Idenification Number	60700226		60700226		Criteria
Volatile Organic Compounds (ug/Kg)					
Benzene	3	J	3	J	1
TAL Metals (mg/Kg)					
Iron	2.38		2.27		0.3
Lead	0.0760		0.0750		0.025
Manganese	0.376		0.361		0.3
Sodium	464		464		20
Total Cyanide (mg/Kg)	0.39		0.40		0.2

Monitoring Well	MW-7X		NYSDEC
Screen Depth (ft)	Unknown		TOGS
Sample Date	7/24/2006		Groundwater
Lab Idenification Number	60700226		Criteria
Volatile Organic Compounds (ug/Kg)			
Benzene	13		1
Ethylbenzene	16		5
Naphthalene	73		10
Semivolatile Organic Compounds (ug/Kg)			
bis(2-Ethylhexyl)phthalate	21	B	5
TAL Metals (mg/Kg)			
Iron	0.841		0.3
Sodium	126		20

Monitoring Well	MW-7		NYSDEC
Screen Depth (ft)	5-15		TOGS
Sample Date	7/24/2006		Groundwater
Lab Idenification Number	60700226		Criteria
Volatile Organic Compounds (ug/Kg)			
Acetone	120	J	50
Benzene	9600		1
Toluene	10000		74
Ethylbenzene	1200		5
M&P-Xylene	3300		10
O-Xylene	1700		5
Styrene	3400		5
Isopropylbenzene	15	J	5
n-Propylbenzene	30	J	5
1,3,5-Trimethylbenzene	210		5
1,2,4-Trimethylbenzene	820		5
Naphthalene	17000		10
Semivolatile Organic Compounds (ug/Kg)			
Phenol	34		0.001
Naphthalene	10000	B,I	10
Acenaphthene	24		20
Fluorene	97		50
Phenanthrene	99	I	50
Pyrene	110	E	50
Benzo(a)anthracene	16		0.002
Chrysene	12		0.002
bis(2-Ethylhexyl)phthalate	49	B	5
Benzo(b)fluoranthene	14	I	0.002
Benzo(k)fluoranthene	5	I	0.002
TAL Metals (mg/Kg)			
Arsenic	0.0280		0.025
Iron	16.3		0.3
Lead	0.0338		0.025
Manganese	2.14		0.3
Nickel	0.144		0.1
Sodium	1080		20

LEGEND

B-20A ▲ SOIL BORINGS

MW-1 ⊕ MONITORING WELLS

MW-8X ● MONITORING WELLS PREVIOUSLY INSTALLED BY OTHERS

METCALF & EDDY | AECOM

DESIGNED BY: E. ACS

DRAWN BY: B.PAPA

DEPT. CHECK: S.MUSTHYALA

PROJ. CHECK: M. BRADY

SCALE:

0 40 80 120

SCALE IN FEET

SCALE:1"=40'-0"

NEW YORK CITY DEPARTMENT OF DESIGN AND CONSTRUCTION

COST TO CURE REPORT-PARK LAND
DEPARTMENT OF SANITATION GARAGE
50 KENT AVENUE, BROOKLYN, N.Y.

SITE MAP WITH GROUNDWATER SAMPLE RESULTS
WOL NOS. 3099-M&E2R-3253
3099-M&E2R-3515
3099-M&E2R-3923

CIVIL

JUNE 2007

JOB 03601273.2929

FILE NO.

CAD FILE CZDSCTC4

SHEET FIG.4

EAST RIVER

OPEN WATER

APPROX. LIMIT OF RIGHT OF WAY LINE PER REF. #7

CONC. BLOCK BULKHEAD

BROKEN CONC. PIER

OVERGROWN AREA

METAL TOWER NAVIGATION AID

LINE

N29°23'55"E 207.65'

207.65'

747.15' 747.20' (DEED)

CONC. WALL

8' HIGH C.L.F.

DIRT/GRAVEL AREA

LOT 1

BLOCK 2301
LOTS 1, 50, 60 & 70
N/F REPUTED OWNER
EAST RIVER DEVELOPMENT, LLC
REEL 5659, PG. 485
(SEE NOTE 9)

FLOOD ZONE A5

AREA OF BLOCK 2301 TO BULKHEAD LINE= 155,015 S.F. OR 3.559 Ac.

APPROX. LOCATION FLOOD ZONE LINE

LOT 50

UNCONFIRMED LOC. UG ELEC. LINE PER REF. #5 (NOT FIELD VERIFIED, SEE NOTE 3)

FLOOD ZONE B

UNCONFIRMED LOC. UG 8" WATER LINE PER REF. #3 (NOT FIELD VERIFIED, SEE NOTE 3)

APPROX. LOCATION FLOOD ZONE LINE

N. 10th STREET (60' WIDE R.O.W.) LEGALLY OPENED 8-13-1866

N 25°22'13" E 63.70'

REMAINS OF SUBMERGED WOODEN BULKHEAD

824.40'

803.00'

TAX LOT LINE (TYP)

ROTTED WOOD PIER

REMAINS OF WOODEN BULKHEAD

RIP RAP

EDGE OF WATER

CONC.

GATE

INLET

METAL GUIDE RAIL

TO HIGH C.L.F.

ASPHALT PARKING LOT

895.88' 895.90' (DEED)

1 STORY

LOT 1

BLOCK 2294
LOTS 1 & 5

1 STORY
METAL WAREHOUSE
"CITISTORAGE"

LOT 5

N45°00'00"W 223.26'

WOOD PIER

TIE POINT 175.25' TO PROPERTY LIMIT PER REEL 2329, PG. 1209 TRACT I, PARCEL I

N74°32'22"E 34.50'

N85°30'00"E 63.12'

N85°30'22"E 63.12'

MATC

WOODEN BULKHEAD

EDGE OF BULKHEAD

S73°12'00"E 103.21'

103.05'

CONC. PIER

OVERGROWN AREA

OPEN WATER

S25°22'13"W 31.85'

KENT AVE.

10' HIGH C.L.F.

WOODEN BULKHEAD 584.36'

212.34'

CONC. LANDING w/METAL RAILING

ROW OF DOUBLE AREA LIGHTS

METAL GUIDE RAIL

0.32'

988.61' CONC. WALK

TIE DIST. 10' KENT AVE. 1051.75' ALONG CENTERLINE PER REEL 2329, PG. 7209

GRASS AREA

METAL GUIDE RAIL

ABOVE GROUND TANK

STEPS

ABOVE GROUND PIPE SYSTEM (TYP.)

GAS METER

CONC. MAT

ASPHALT PAVEMENT

1010.00'

METAL GUIDE RAIL

STEEL FACE CONC. CURB

CONC. WALK

917.28'

215.28'

STONE

BLOCK 2287
LOT 30

MH ELEC. RIM=4.58

(3) C/O

CONC. STEPS

MH SEWER RIM=5.16

INLET

ASPHALT PAVEMENT

3 STORY MASONRY BUILDING "BAYSIDE OIL"

N45°00'00"E 200.30'

TAX MAP LOT LINE

CONC. STEPS & LANDING

CONC. STEPS

MH CONED RIM=5.09

MH SEWER RIM=5.64

CONC. STEPS

MH SEWER RIM=5.81

MH ELEC. RIM=6.40

1 & 2 STORY METAL WAREHOUSE "CITISTORAGE"

N. 11th STREET (60' WIDE R.O.W.) LEGALLY OPENED 8-13-1866

CONC. STEPS & LANDING

GRASS

METAL COVERS

CONC. ISLAND

SIAMESE CONN.

FLAG POLE

MH

ASPHALT PAVEMENT

METAL STEPS

BRICK PLANTER

N. 12th STREET (60' WIDE R.O.W.)

BLOCK 2287
LOT 16

CONC. RAMPS

AREA OF BLOCK 2287 TO BULKHEAD LINE= 190,588 S.F. OR 4.375 Ac.

P.O.B. PER REEL 5459, PG. 2386 PARCEL 1

8' HIGH C.L.F. w/RAZOR WIRE

N45°00'00"E 200.30'

ASPHALT PAVEMENT

CONC. WALK

MW-8X

MW-7X

MH SEWER RIM=7.60

ELEC. COVER

METAL COVERS

MH SEWER RIM=7.59

BPB-11

BPB-10

BPB-12

1 STORY MASONRY BUILDING "NEW YORK CITY DEPT. OF SANITATION"

BLOCK 2287
LOT 1

BPB-13/MW-4

MH SEWER RIM=8.37

UNCONFIRMED LOC. UG 8" WATER LINE PER REF. #3 (NOT FIELD VERIFIED, SEE NOTE 3)

BPB-15/MW-5

BPB-14

GRASS

METAL STEPS

FLOOD ZONE B

BPB-16/MW-6

BPB-17

ABOVE GROUND TANK ON CONC.

BPB-18/MW-7

BPB-19

BPB-20/MW-8

FLOOD ZONE C

BPD-21

BPB-22

BRICK WALL

MH SEWER RIM=12.99

MH CONED RIM=13.62

MH WATER RIM=12.50

MH SEWER 12.5

MH CONED RIM=10.99

MH RIM=9.30

MH RIM=11.09

MH RIM=10.93

MH CONED RIM=6.97

MH CONED RIM=8.93

MH CONED

INLET GRT.=9.72

S 45°00'00" E

N 45°00'00" W

S 45°00'00" W 8' HIGH C.L.F. 200.40'

ELEC. COVER

DIRT/GRAVEL AREA

DIRT PILE

ASPHALT (ASPHALT ROADWAY)

CONC. WALK

D.C.

GATE

LEGEND

B-20A	▲	SOIL BORINGS
MW-1	⊕	MONITORING WELLS
MW-8X	●	MONITORING WELLS PREVIOUSLY INSTALLED BY OTHERS
	▨	COAL TAR PLUME

NOTE:
THE COAL TAR PLUME WAS PREPARED SOLELY ON INFORMATION OBTAINED FROM BORING LOGS AND OBSERVATIONS MADE DURING THE SI. THIS MAP IS INTENDED TO PROVIDE A GENERAL AERIAL EXTENT OF THE PLUME. THE ACTUAL EXTENT CAN ONLY BE VERIFIED THROUGH A FOCUSED PLUME INVESTIGATION/ DELINEATION FIELD PROGRAM.

METCALF & EDDY | AECOM

DESIGNED BY: E. ACS
DRAWN BY: B.PAPA
DEPT. CHECK: S.MUSTHYALA
PROJ. CHECK: M. BRADY

SCALE:
0 40 80 120
SCALE IN FEET
SCALE:1"=40'-0"

NEW YORK CITY DEPARTMENT OF DESIGN AND CONSTRUCTION

COST TO CURE REPORT-PARK LAND
DEPARTMENT OF SANITATION GARAGE
50 KENT AVENUE, BROOKLYN, N.Y.

COAL TAR PLUME LOCATION

WOL NOS. 3099-M&E2R-3253
3099-M&E2R-3515
3099-M&E2R-3923

CIVIL

JUNE, 2007

JOB 03601273.2929
FILE NO.
CAD FILE CZDSCTC5_6_7(SHADED)
SHEET FIG.5

EAST RIVER
APPROX. LIMIT OF RIGHT OF WAY LINE PER REF. #7
OPEN WATER
CONC. BLOCK BULKHEAD
BROKEN CONC. PIER
ROTTED WOOD PIER
REMAINS OF WOODEN BULKHEAD
REMAINS OF SUBMERGED WOODEN BULKHEAD
WOODEN BULKHEAD 584.36'
N45°00'00"W 223.26'
S25°22'13"W 31.85'
N 25°22'13" E
N29°23'55"E 207.65'
METAL TOWER NAVIGATION AID
TIE POINT 175.25' TO PROPERTY LIMIT PER REEL 2329, PG. 1209 TRACT I, PARCEL I
ABOVE GROUND TANK
BLOCK 2301
LOTS 1, 50, 60 & 70
N/F REPUTED OWNER
EAST RIVER DEVELOPMENT, LLC
REEL 5659, PG. 485
(SEE NOTE 9)
FLOOD ZONE A5
AREA OF BLOCK 2301 TO BULKHEAD LINE= 155,015 S.F. OR 3.559 Ac.
APPROX. LOCATION FLOOD ZONE LINE
LOT 1
LOT 50
FLOOD ZONE B
UNCONFIRMED LOC. UG ELEC. LINE PER REF. #5 (NOT FIELD VERIFIED, SEE NOTE 3)
UNCONFIRMED LOC. UG 8" WATER LINE PER REF. #3 (NOT FIELD VERIFIED, SEE NOTE 3)
N 10TH ST
LOT 1
BLOCK 2294
LOTS 1 & 5
1 STORY METAL WAREHOUSE "CITISTORAGE"
TAX LOT LINE (TYP)
LOT 5
ASPHALT PARKING LOT
N 11TH ST
N. 11th STREET
(60' WIDE R.O.W.)
LEGALLY OPENED 8-13-1866
BLOCK 2287
LOT 30
TAX MAP LOT LINE
1 & 2 STORY METAL WAREHOUSE "CITISTORAGE"
BLOCK 2287
LOT 16
AREA OF BLOCK 2287 TO BULKHEAD LINE= 190,588 S.F. OR 4.375 Ac.
P.O.B. PER REEL 5459, PG. 2386 PARCEL 1
8' HIGH C.L.F. w/RAZOR WIRE
N. 12th STREET
(60' WIDE R.O.W.)
N 12TH ST
3 STORY MASONRY BUILDING "BAYSIDE OIL"
MW-8X
MW-7X
BPB-11
BPB-10
BPB-12
1 STORY MASONRY BUILDING "NEW YORK CITY DEPT. OF SANIT...
BLOCK 2287
BPB-13/MW-4
BPB-15/MW-5
BPB-14
BPB-16/MW-6
BPB-17
BPB-18/MW-7
BPB-19
BPB-20/MW-8
FLOOD ZONE C
BPD-21
BPB-22
UNCONFIRMED LOC. UG 20" FUEL OIL LINE PER REF. #4 (NOT FIELD VERIFIED, SEE NOTE 3)
ABOVE GROUND TANK ON CONC.
S 45°00'00" W 8' HIGH C.L.F. 200.40'
S45°00'00"W 200.00'

LEGEND

B-20A	▲	SOIL BORINGS
MW-1	⊕	MONITORING WELLS
MW-8X	●	MONITORING WELLS PREVIOUSLY INSTALLED BY OTHERS
	(shaded)	PETROLEUM PLUME

NOTE:
THE PETROLEUM PLUME WAS PREPARED SOLELY ON INFORMATION OBTAINED FROM BORING LOGS AND OBSERVATIONS MADE DURING THE SI. THIS MAP IS INTENDED TO PROVIDE A GENERAL AERIAL EXTENT OF THE PLUME. THE ACTUAL EXTENT CAN ONLY BE VERIFIED THROUGH A FOCUSED PLUME INVESTIGATION/ DELINEATION FIELD PROGRAM.

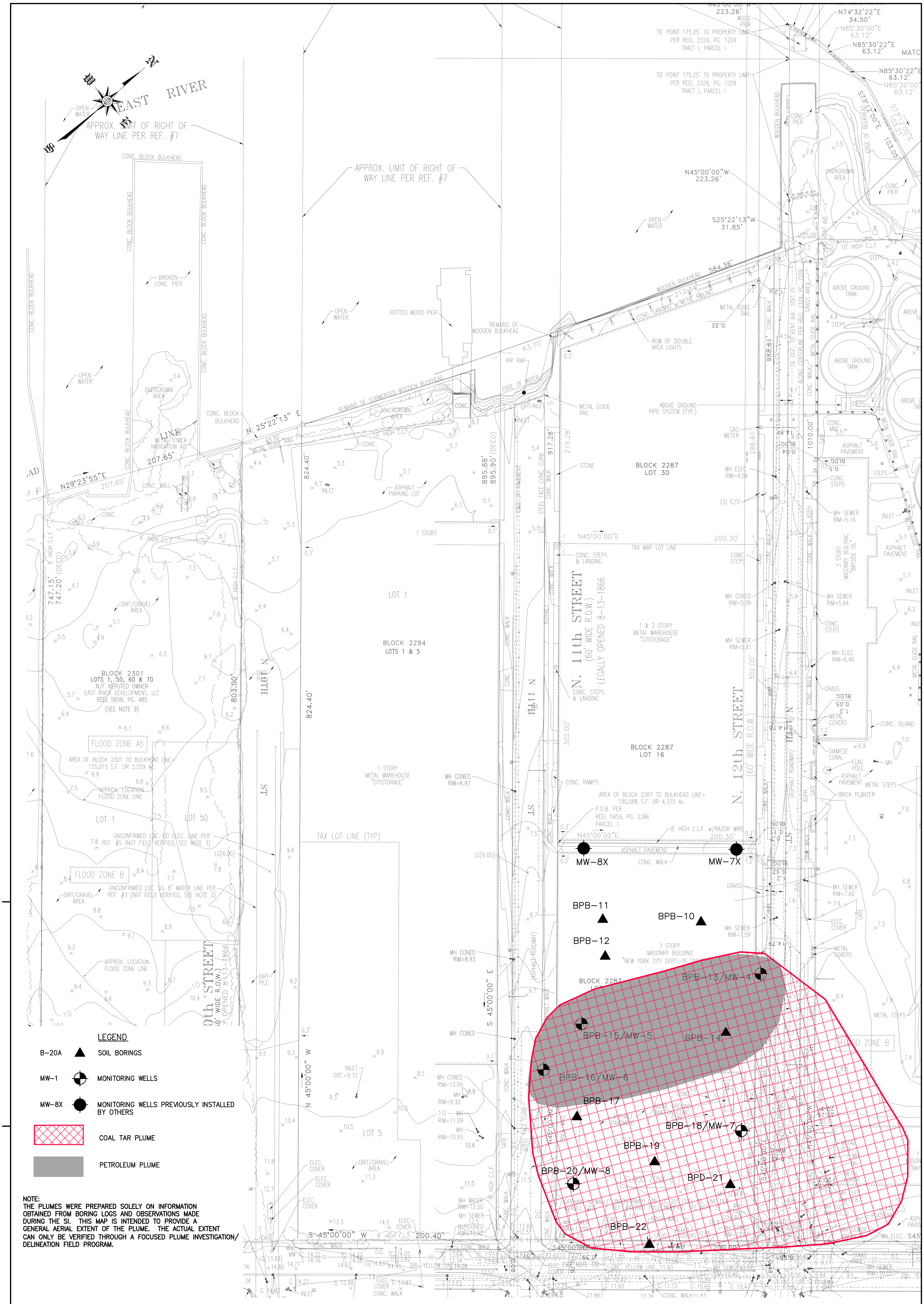
METCALF & EDDY | AECOM

DESIGNED BY: E. ACS
DRAWN BY: B.PAPA
DEPT. CHECK: S.MUSTHYALA
PROJ. CHECK: M. BRADY

SCALE: 0 40 80 120
SCALE IN FEET
SCALE:1"=40'-0"
UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

NEW YORK CITY DEPARTMENT OF DESIGN AND CONSTRUCTION
COST TO CURE REPORT-PARK LAND
DEPARTMENT OF SANITATION GARAGE
50 KENT AVENUE, BROOKLYN, N.Y.
PETROLEUM PLUME LOCATION
WOL NOS. 3099-M&E2R-3253
3099-M&E2R-3515
3099-M&E2R-3923
CIVIL
JUNE, 2007

JOB 03601273.2929
FILE NO.
CAD FILE CZDSCTC5_6_7(SHADED)
SHEET FIG.6



LEGEND

B-20A	▲	SOIL BORINGS
MW-1	⊕	MONITORING WELLS
MW-8X	●	MONITORING WELLS PREVIOUSLY INSTALLED BY OTHERS
	(red crosshatch)	COAL TAR PLUME
	(grey fill)	PETROLEUM PLUME

NOTE:
THE PLUMES WERE PREPARED SOLELY ON INFORMATION OBTAINED FROM BORING LOGS AND OBSERVATIONS MADE DURING THE SI. THIS MAP IS INTENDED TO PROVIDE A GENERAL AERIAL EXTENT OF THE PLUME. THE ACTUAL EXTENT CAN ONLY BE VERIFIED THROUGH A FOCUSED PLUME INVESTIGATION/ DELINEATION FIELD PROGRAM.

METCALF & EDDY | AECOM

DESIGNED BY: E. ACS
DRAWN BY: B.PAPA
DEPT. CHECK: S.MUSTHYALA
PROJ. CHECK: M. BRADY

SCALE: 0 40 80 120 SCALE IN FEET
SCALE:1"=40'-0"
UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

NEW YORK CITY DEPARTMENT OF DESIGN AND CONSTRUCTION
COST TO CURE REPORT-PARK LAND
DEPARTMENT OF SANITATION GARAGE
50 KENT AVENUE, BROOKLYN, N.Y.

PLUME LOCATIONS
WOL NOS. 3099-M&E2R-3253
3099-M&E2R-3515
3099-M&E2R-3923

CIVIL

JUNE, 2007

JOB 03601273.2929
FILE NO.
CAD FILE CZDSCTC5_6_7(SHADED)
SHEET FIG.7

EAST RIVER

OPEN WATER

APPROX. LIMIT OF RIGHT OF WAY LINE PER REF. #7

CONC. BLOCK BULKHEAD

BROKEN CONC. PIER

OVERGROWN AREA

METAL TOWER NAVIGATION AID

ROTTED WOOD PIER

REMAINS OF WOODEN BULKHEAD

REMAINS OF SUBMERGED WOODEN BULKHEAD

RIP RAP

EDGE OF WATER

WOODEN BULKHEAD 584.36'

CONC. LANDING w/METAL RAILING

ROW OF DOUBLE AREA LIGHTS

METAL GUIDE RAIL

CONC. WALK

GRASS AREA

ABOVE GROUND TANK

STEPS

ABOVE GROUND PIPE SYSTEM (TYP.)

GAS METER

CONC. MAT

ASPHALT PAVEMENT

CONC. STEPS

MH ELEC. RIM=4.58

(3) C/O

MH SEWER RIM=5.16

INLET

3 STORY MASONRY BUILDING "BAYSIDE OIL"

MH CONED RIM=5.09

MH SEWER RIM=5.64

MH SEWER RIM=5.81

MH ELEC. RIM=6.40

GRASS

METAL COVERS

CONC. ISLAND

SIAMESE CONN.

FLAG POLE

MH

ASPHALT PAVEMENT

METAL STEPS

BRICK PLANTER

MH SEWER RIM=7.60

ELEC. COVER

MH SEWER RIM=7.59

MH SEWER RIM=8.37

METAL BOX

MH ELEC. RIM=9.87

MH ELEC. RIM=10.22

PLATFORM

MH SEWER RIM=9.75

BLOCK 2301
LOTS 1, 50, 60 & 70
N/F REPUTED OWNER
EAST RIVER DEVELOPMENT, LLC
REEL 5659, PG. 485
(SEE NOTE 9)

FLOOD ZONE A5

AREA OF BLOCK 2301 TO BULKHEAD LINE= 155,015 S.F. OR 3.559 Ac.

APPROX. LOCATION FLOOD ZONE LINE

FLOOD ZONE B

UNCONFIRMED LOC. UG ELEC. LINE PER REF. #5 (NOT FIELD VERIFIED, SEE NOTE 3)

UNCONFIRMED LOC. UG 8" WATER LINE PER REF. #3 (NOT FIELD VERIFIED, SEE NOTE 3)

DIRT/GRAVEL AREA

DIRT PILE

BLOCK 2294
LOTS 1 & 5

LOT 1

LOT 5

LOT 50

1 STORY METAL WAREHOUSE "CITISTORAGE"

1 & 2 STORY METAL WAREHOUSE "CITISTORAGE"

BLOCK 2287
LOT 30

BLOCK 2287
LOT 16

BLOCK 2287
LOT 1

1 STORY MASONRY BUILDING "NEW YORK CITY DEPT. OF SANITATION"

PARK LAND: CHILDREN'S GARDENS

FLOOD ZONE C

TAX LOT LINE (TYP)

TAX MAP LOT LINE

N. 11th STREET (60' WIDE R.O.W.) LEGALLY OPENED 8-13-1866

N. 12th STREET (60' WIDE R.O.W.)

9th STREET (60' WIDE R.O.W.) OPENED 8-13-1866

LEGEND:

OPEN SPACE/LANDSCAPING

METALCAF & EDDY | AECOM

DESIGNED BY:	E. ACS
DRAWN BY:	B.PAPA
DEPT. CHECK:	S.MUSTHYALA
PROJ. CHECK:	M. BRADY

SCALE:

0 40 80 120

SCALE IN FEET

SCALE:1"=40'-0"

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

NEW YORK CITY DEPARTMENT OF DESIGN AND CONSTRUCTION

COST TO CURE REPORT-PARK LAND
DEPARTMENT OF SANITATION GARAGE
50 KENT AVENUE, BROOKLYN, N.Y.

CONCEPTUAL SITE PLAN
WOL NOS. 3099-M&E2R-3253
3099-M&E2R-3515
3099-M&E2R-3923

CIVIL

JUNE 2007

JOB 03601273.2929

FILE NO.

CAD FILE CZDSCTC8

SHEET FIG. 8

Table 1
Summary of Analytical Results - Soil
Volatile Organic Compounds (VOCs)
Department of Sanitation Garage
50 Kent Avenue, Brooklyn, New York

Boring Number	BPB-10	BPB-10	BPB-11	BPB-11	BPB-12	NYSDEC	NYSDEC	STARS TCLP
Sample ID	BPB-10 9-11	BPB-10 55-57	BPB-11 7-9	BPB-11 55-57	BPB-12 7-9	Recommended	Soil Cleanup	Alternative
Sample Date	4/28/2006	4/28/2006	4/25/2006	5/3/2006	4/27/2006	Soil Cleanup	Objectives to	Guidance
SDG	60500024	60500024	60500024	60500100	60500024	Objective	Protect GW	Value
Volatile Organic Compounds (ug/Kg)								
Dichlorodifluoromethane	ND	ND	ND	ND	ND	10000	10000	NS
Vinyl Chloride	<2400 *	ND	<1200 *	ND	<570 *	200	120	NS
Chloromethane	ND	ND	ND	ND	ND	10000	10000	NS
Bromomethane	ND	ND	ND	ND	ND	10000	10000	NS
Chloroethane	<2400 *	ND	ND	ND	ND	1900	1900	NS
Trichlorofluoromethane	ND	ND	ND	ND	ND	10000	10000	NS
Acrolein	ND	<51	ND	ND	ND	10000	10000	NS
Acetone	<12000 *	15 J	<5900 *	26 J	<2900 *	200	110	NS
1,1-Dichloroethylene	ND	ND	ND	ND	ND	10000	10000	NS
Iodomethane	ND	ND	ND	ND	ND	10000	10000	NS
Carbon Disulfide	<12000 *	ND	<5900 *	ND	2300 J	2700	2700	NS
Methylene Chloride	<9700 *	10 J,B	<4800 *	8 J,B	<2300	100	100	NS
Acrylonitrile	<12000 *	ND	ND	ND	ND	10000	10000	NS
Methyl-Tert-Butyl-Ether	<2400 *	ND	ND	ND	ND	120	120	1000
trans-1,2-Dichloroethylene	ND	ND	ND	ND	ND	10000	10000	NS
1,1-Dichloroethane	<2400 *	ND	<1200 *	ND	<570 *	200	200	NS
2-Butanone-(MEK)	<12000 *	ND	<5900 *	ND	<2900 *	300	300	NS
Vinyl Acetate	<12000 *	ND	ND	ND	ND	10000	10000	NS
2,2-Dichloropropane	ND	ND	ND	ND	ND	10000	10000	NS
cis-1,2-Dichloroethylene	ND	ND	ND	ND	ND	10000	10000	NS
Chloroform	<2400 *	ND	<1200 *	ND	<570 *	300	300	NS
Bromochloromethane	ND	ND	ND	ND	ND	10000	10000	NS
1,1,1-Trichloroethane	<2400 *	ND	<1200 *	ND	ND	800	760	NS
1,1-Dichloropropene	ND	ND	ND	ND	ND	10000	10000	NS
Carbon Tetrachloride	<2400 *	ND	<1200 *	ND	ND	600	600	NS
Benzene	***21000***	***380***	***1500***	26	***730***	60	60	14
1,2-Dichloroethane	ND	ND	ND	ND	ND	10000	10000	NS
Trichloroethylene	ND	ND	<1200 *	ND	ND	10000	10000	NS
1,2-Dichloropropane	ND	ND	ND	ND	ND	10000	10000	NS
4-Methyl-2-Pentanone (MIBK)	<12000 *	<51	ND	ND	ND	10000	10000	NS
2-Chloroethyl vinyl ether	<12000 *	<51	ND	ND	ND	10000	10000	NS
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	10000	10000	NS
Toluene	***5300***	3 J	250 J	5 J	230 J	1500	1500	100
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	10000	10000	NS
Bromodichloromethane	ND	ND	ND	ND	ND	10000	10000	NS
Dibromomethane	ND	ND	ND	ND	ND	10000	10000	NS
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	10000	10000	NS
1,2-Dibromoethane	ND	ND	ND	ND	ND	10000	10000	NS
2-Hexanone	<12000 *	<51	ND	ND	ND	10000	10000	NS

Table 1
Summary of Analytical Results - Soil
Volatile Organic Compounds (VOCs)
Department of Sanitation Garage
50 Kent Avenue, Brooklyn, New York

Boring Number Sample ID Sample Date SDG	BPB-10 BPB-10 9-11 4/28/2006 60500024	BPB-10 BPB-10 55-57 4/28/2006 60500024	BPB-11 BPB-11 7-9 4/25/2006 60500024	BPB-11 BPB-11 55-57 5/3/2006 60500100	BPB-12 BPB-12 7-9 4/27/2006 60500024	NYSDEC Recommended Soil Cleanup Objective	NYSDEC Soil Cleanup Objectives to Protect GW	STARS TCLP Alternative Guidance Value
Volatile Organic Compounds (ug/Kg)								
1,3-Dichloropropane	<2400 *	ND	<1200 *	ND	<570 *	300	300	NS
Tetrachloroethylene	ND	ND	ND	ND	ND	10000	10000	NS
Dibromochloromethane	ND	ND	ND	ND	ND	10000	10000	NS
Chlorobenzene	<2400 *	ND	ND	ND	ND	1700	1700	NS
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	10000	10000	NS
Ethylbenzene	***48000***	3 J	***19000***	5 J	***5500***	5500	5500	100
M & P XYLENE	***40000***	ND	***4800***	6 J	***1100 J***	1200	1200	100
O-XYLENE	***18000***	ND	***2800***	3 J	360 J	1200	1200	100
Styrene	ND	ND	ND	ND	ND	10000	10000	NS
Bromoform	ND	ND	ND	ND	ND	10000	10000	NS
Isopropylbenzene	***4300***	ND	***4100***	ND	***3200***	2300	2300	100
1,1,2,2-Tetrachloroethane	<2400 *	ND	<1200 *	ND	ND	600	600	NS
1,2,3-Trichloropropane	<2400 *	ND	<1200 *	ND	<570 *	400	340	NS
n-Propylbenzene	3300	ND	1800	ND	970	3700	3700	NS
trans-1,4-Dichloro-2-butene	ND	ND	ND	ND	ND	10000	10000	NS
Bromobenzene	ND	ND	ND	ND	ND	10000	10000	NS
2-Chlorotoluene	ND	ND	ND	ND	ND	10000	10000	NS
1,3,5-Trimethylbenzene	***7900***	ND	***4300***	ND	130 J	3300	3300	100
4-Chlorotoluene	ND	ND	ND	ND	ND	10000	10000	NS
tert-Butylbenzene	ND	ND	ND	ND	ND	10000	11000	NS
1,2,4-Trimethylbenzene	***38000***	ND	***17000***	3 J	1400	10000	13000	100
sec-Butylbenzene	ND	ND	340 J	ND	480 J	10000	11000	NS
4-Isopropyltoluene	2400 J	ND	1700	ND	270 J	10000	10000	NS
1,3-Dichlorobenzene	<2400 *	ND	ND	ND	ND	1600	1550	NS
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	8500	8500	NS
n-Butylbenzene	ND	ND	ND	ND	ND	10000	12000	NS
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	7900	7900	NS
1,2-Dibromo-3-Chloropropane	ND	ND	ND	ND	ND	10000	10000	NS
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	3400	3400	NS
Hexachlorobutadiene	ND	ND	ND	ND	ND	10000	10000	NS
Naphthalene	***430000 B***	6 JB	***100000 B***	73 B	10000 B	13000	13000	200
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	10000	10000	NS

Table 1
Summary of Analytical Results - Soil
Volatile Organic Compounds (VOCs)
Department of Sanitation Garage
50 Kent Avenue, Brooklyn, New York

Boring Number	BPB-12		BPB-12		BPB-13		BPB-13		BPB-14		NYSDEC	NYSDEC	STARS TCLP
Sample ID	BPB-12 49-51		BPB-12 58-60		BPB-13 11-13		BPB-13 50-52		BPB-14 19-21		Recommended Soil Cleanup Objective	Soil Cleanup Objectives to Protect GW	Alternative Guidance Value
Sample Date	4/27/2006		4/27/2006		6/1/2006		6/6/2006		5/5/2006				
SDG	60500024		60500024		60600072		60600130		60500100				
Volatile Organic Compounds (ug/Kg)													
Dichlorodifluoromethane	<11000	*	ND		ND		<30000	*	<12000	*	10000	10000	NS
Vinyl Chloride	<11000	*	ND		<3100	*	<30000	*	<12000	*	200	120	NS
Chloromethane	<11000	*	ND		ND		<30000	*	<12000	*	10000	10000	NS
Bromomethane	<11000	*	ND		ND		<30000	*	<12000	*	10000	10000	NS
Chloroethane	<11000	*	ND		<3100	*	<30000	*	<12000	*	1900	1900	NS
Trichlorofluoromethane	<11000	*	ND		ND		<30000	*	<12000	*	10000	10000	NS
Acrolein	<56000	*	<48		<31000	*	<300000	*	<60000	*	10000	10000	NS
Acetone	<56000	*	12	J	***20000***	***B***	***150000***	*******	***20000***	***J***	200	110	NS
1,1-Dichloroethylene	<11000	*	ND		ND		<30000	*	<12000	*	10000	10000	NS
Iodomethane	<11000	*	ND		ND		<30000	*	<12000	*	10000	10000	NS
Carbon Disulfide	<56000	*	ND		<15000	*	<150000	*	<60000	*	2700	2700	NS
Methylene Chloride	***5700***	***J,B***	10	J,B	***9500***	***J,B***	***27000***	***J,B***	***9600***	***J,B***	100	100	NS
Acrylonitrile	<56000	*	ND		<15000	*	<150000	*	<60000	*	10000	10000	NS
Methyl-Tert-Butyl-Ether	<11000	*	ND		<3100	*	<30000	*	<12000	*	120	120	1000
trans-1,2-Dichloroethylene	<11000	*	ND		ND		<30000	*	<12000	*	10000	10000	NS
1,1-Dichloroethane	<11000	*	ND		<3100	*	<30000	*	<12000	*	200	200	NS
2-Butanone-(MEK)	<56000	*	ND		<15000	*	35000	J	<60000	*	300	300	NS
Vinyl Acetate	<56000	*	ND		<15000	*	<150000	*	<60000	*	10000	10000	NS
2,2-Dichloropropane	<11000	*	ND		ND		<30000	*	<12000	*	10000	10000	NS
cis-1,2-Dichloroethylene	<11000	*	ND		ND		<30000	*	***21000***		10000	10000	NS
Chloroform	<11000	*	ND		<3100	*	<30000	*	<12000	*	300	300	NS
Bromochloromethane	<11000	*	ND		ND		<30000	*	<12000	*	10000	10000	NS
1,1,1-Trichloroethane	<11000	*	ND		<3100	*	<30000	*	<12000	*	800	760	NS
1,1-Dichloropropene	<11000	*	ND		ND		<30000	*	<12000	*	10000	10000	NS
Carbon Tetrachloride	<11000	*	ND		<3100	*	<30000	*	<12000	*	600	600	NS
Benzene	***85000***	*******	***220***		<3100	*	***760000***		***91000***		60	60	14
1,2-Dichloroethane	<11000	*	ND		ND		<30000	*	<12000	*	10000	10000	NS
Trichloroethylene	<11000	*	ND		ND		<30000	*	7800	J	10000	10000	NS
1,2-Dichloropropane	<11000	*	ND		ND		<30000	*	<12000	*	10000	10000	NS
4-Methyl-2-Pentanone (MIBK)	<56000	*	ND		<15000	*	<150000	*	<60000	*	10000	10000	NS
2-Chloroethyl vinyl ether	<56000	*	ND		<15000	*	<150000	*	<60000	*	10000	10000	NS
cis-1,3-Dichloropropene	<11000	*	ND		ND		<30000	*	<12000	*	10000	10000	NS
Toluene	***190000***		14		940	J	***1500000***		***250000***		1500	1500	100
trans-1,3-Dichloropropene	<11000	*	ND		ND		<30000	*	<12000	*	10000	10000	NS
Bromodichloromethane	<11000	*	ND		ND		<30000	*	<12000	*	10000	10000	NS
Dibromomethane	<11000	*	ND		ND		<30000	*	<12000	*	10000	10000	NS
1,1,2-Trichloroethane	<11000	*	ND		ND		<30000	*	<12000	*	10000	10000	NS
1,2-Dibromoethane	<11000	*	ND		ND		<30000	*	<12000	*	10000	10000	NS
2-Hexanone	<56000	*	<48		<15000	*	<150000	*	<60000	*	10000	10000	NS

Table 1
Summary of Analytical Results - Soil
Volatile Organic Compounds (VOCs)
Department of Sanitation Garage
50 Kent Avenue, Brooklyn, New York

Boring Number	BPB-12		BPB-12		BPB-13		BPB-13		BPB-14		NYSDEC	NYSDEC	STARS TCLP
Sample ID	BPB-12 49-51		BPB-12 58-60		BPB-13 11-13		BPB-13 50-52		BPB-14 19-21		Recommended	Soil Cleanup	Alternative
Sample Date	4/27/2006		4/27/2006		6/1/2006		6/6/2006		5/5/2006		Soil Cleanup	Objectives to	Guidance
SDG	60500024		60500024		60600072		60600130		60500100		Objective	Protect GW	Value
Volatile Organic Compounds (ug/Kg)													
1,3-Dichloropropane	<11000	*	ND		<3100	*	<30000	*	<12000	*	300	300	NS
Tetrachloroethylene	<11000	*	ND		ND		<30000	*	<12000	*	10000	10000	NS
Dibromochloromethane	<11000	*	ND		ND		<30000	*	<12000	*	10000	10000	NS
Chlorobenzene	<11000	*	ND		<3100	*	<30000	*	<12000	*	1700	1700	NS
1,1,1,2-Tetrachloroethane	<11000	*	ND		ND		<30000	*	<12000	*	10000	10000	NS
Ethylbenzene	***93000***		3	J	***17000***		***1600000***		***88000***		5500	5500	100
M & P XYLENE	***140000***		2	J	***29000***		***1100000***		***210000***		1200	1200	100
O-XYLENE	***63000***		ND		***13000***		***490000***		***91000***		1200	1200	100
Styrene	***79000***		ND		ND		***73000***		***150000***		10000	10000	NS
Bromoform	<11000	*	ND		ND		<30000	*	<12000	*	10000	10000	NS
Isopropylbenzene	<11000	*	ND		***3200***		***13000***	***J***	<12000	*	2300	2300	100
1,1,2,2-Tetrachloroethane	<11000	*	ND		<3100	*	<30000	*	<12000	*	600	600	NS
1,2,3-Trichloropropane	<11000	*	ND		<3100	*	<30000	*	<12000	*	400	340	NS
n-Propylbenzene	***4400***	***J***	ND		1600	J	***38000***		***5100***	***J***	3700	3700	NS
trans-1,4-Dichloro-2-butene	<11000	*	ND		ND		<30000	*	<12000	*	10000	10000	NS
Bromobenzene	<11000	*	ND		ND		<30000	*	<12000	*	10000	10000	NS
2-Chlorotoluene	<11000	*	ND		ND		<30000	*	<12000	*	10000	10000	NS
1,3,5-Trimethylbenzene	***20000***		ND		***7700***		***160000***		***29000***		3300	3300	100
4-Chlorotoluene	<11000	*	ND		ND		<30000	*	<12000	*	10000	10000	NS
tert-Butylbenzene	<11000	*	ND		ND		<30000	*	<12000	*	10000	11000	NS
1,2,4-Trimethylbenzene	***78000***		ND		***30000***		***540000***		***120000***		10000	13000	100
sec-Butylbenzene	<11000	*	ND		ND		<30000	*	<12000	*	10000	11000	NS
4-Isopropyltoluene	<11000	*	ND		1200	J	6700	J	<12000	*	10000	10000	NS
1,3-Dichlorobenzene	<11000	*	ND		<3100	*	<30000	*	<12000	*	1600	1550	NS
1,4-Dichlorobenzene	<11000	*	ND		ND		<30000	*	<12000	*	8500	8500	NS
n-Butylbenzene	<11000	*	ND		ND		9600	J	<12000	*	10000	12000	NS
1,2-Dichlorobenzene	<11000	*	ND		ND		<30000	*	<12000	*	7900	7900	NS
1,2-Dibromo-3-Chloropropane	<11000	*	ND		ND		<30000		<12000	*	10000	10000	NS
1,2,4-Trichlorobenzene	<11000	*	ND		ND		<30000	*	<12000	*	3400	3400	NS
Hexachlorobutadiene	<11000	*	ND		ND		<30000	*	<12000	*	10000	10000	NS
Naphthalene	***830000***	***E,B***	2	JB	***260000***	***E***	***5700000***	***E***	***1200000***	***E***	13000	13000	200
1,2,3-Trichlorobenzene	<11000	*	ND		ND		<30000	*	<12000	*	10000	10000	NS

Table 1
Summary of Analytical Results - Soil
Volatile Organic Compounds (VOCs)
Department of Sanitation Garage
50 Kent Avenue, Brooklyn, New York

Boring Number	BPB-14		BPB-15		BPB-15		BPB-16		BPB-16		NYSDEC	NYSDEC	STARS TCLP
Sample ID	BPB-14 57-59		BPB-15 15-17		BPB-15 59-61		BPB-16 21-23		BPB-16 55-57		Recommended	Soil Cleanup	Alternative
Sample Date	5/8/2006		5/10/2006		5/11/2006		5/26/2006		5/31/2006		Soil Cleanup	Objectives to	Guidance
SDG	60500100		60500179		60500179		60500338		60600072		Objective	Protect GW	Value
Volatile Organic Compounds (ug/Kg)													
Dichlorodifluoromethane	ND		ND		ND		<68000	*	ND		10000	10000	NS
Vinyl Chloride	ND		<6300	*	ND		<68000	*	<590	*	200	120	NS
Chloromethane	ND		ND		ND		<68000	*	ND		10000	10000	NS
Bromomethane	ND		ND		ND		<68000	*	ND		10000	10000	NS
Chloroethane	ND		<6300	*	ND		<68000	*	ND		1900	1900	NS
Trichlorofluoromethane	ND		ND		ND		<68000	*	ND		10000	10000	NS
Acrolein	ND		<32000	*	ND		<340000	*	ND		10000	10000	NS
Acetone	18	J	***20000***	***J***	19	J	***740000***	***B***	***3700***	***B***	200	110	NS
1,1-Dichloroethylene	ND		ND		ND		<68000	*	ND		10000	10000	NS
Iodomethane	ND		ND		ND		<68000	*	ND		10000	10000	NS
Carbon Disulfide	ND		<32000	*	ND		***4000000***		<3000	*	2700	2700	NS
Methylene Chloride	5	J,B	<25000	*	ND		***180000***	***J,B***	***1900***	***J,B***	100	100	NS
Acrylonitrile	ND		<32000	*	ND		<340000	*	ND		10000	10000	NS
Methyl-Tert-Butyl-Ether	ND		<6300	*	ND		<68000	*	<590	*	120	120	1000
trans-1,2-Dichloroethylene	ND		ND		ND		<68000	*	ND		10000	10000	NS
1,1-Dichloroethane	ND		<6300	*	ND		<68000	*	<590		200	200	NS
2-Butanone-(MEK)	ND		<32000	*	ND		***310000***	***J,B***	***2100***	***J***	300	300	NS
Vinyl Acetate	ND		<32000	*	ND		<340000	*	ND		10000	10000	NS
2,2-Dichloropropane	ND		ND		ND		<68000	*	ND		10000	10000	NS
cis-1,2-Dichloroethylene	ND		ND		ND		<68000	*	ND		10000	10000	NS
Chloroform	ND		<6300	*	ND		<68000	*	ND		300	300	NS
Bromochloromethane	ND		ND		ND		<68000	*	ND		10000	10000	NS
1,1,1-Trichloroethane	ND		<6300	*	ND		<68000	*	ND		800	760	NS
1,1-Dichloropropene	ND		ND		ND		<68000	*	ND		10000	10000	NS
Carbon Tetrachloride	ND		<6300	*	ND		<68000	*	ND		600	600	NS
Benzene	28		***86000***		ND		***1700000***		ND		60	60	14
1,2-Dichloroethane	ND		ND		ND		<68000	*	ND		10000	10000	NS
Trichloroethylene	ND		ND		ND		<68000	*	ND		10000	10000	NS
1,2-Dichloropropane	ND		ND		ND		<68000	*	ND		10000	10000	NS
4-Methyl-2-Pentanone (MIBK)	ND		<32000	*	ND		<340000	*	ND		10000	10000	NS
2-Chloroethyl vinyl ether	ND		<32000	*	ND		<340000	*	ND		10000	10000	NS
cis-1,3-Dichloropropene	ND		ND		ND		<68000	*	ND		10000	10000	NS
Toluene	ND		***20000***	***B***	3	J,B	***2200000***		ND		1500	1500	100
trans-1,3-Dichloropropene	ND		ND		ND		<68000	*	ND		10000	10000	NS
Bromodichloromethane	ND		ND		ND		<68000	*	ND		10000	10000	NS
Dibromomethane	ND		ND		ND		<68000	*	ND		10000	10000	NS
1,1,2-Trichloroethane	ND		ND		ND		<68000	*	ND		10000	10000	NS
1,2-Dibromoethane	ND		ND		ND		<68000	*	ND		10000	10000	NS
2-Hexanone	ND		<32000	*	ND		<340000	*	ND		10000	10000	NS

Table 1
Summary of Analytical Results - Soil
Volatile Organic Compounds (VOCs)
Department of Sanitation Garage
50 Kent Avenue, Brooklyn, New York

Boring Number	BPB-14	BPB-15	BPB-15	BPB-16	BPB-16	NYSDEC	NYSDEC	STARS TCLP
Sample ID	BPB-14 57-59	BPB-15 15-17	BPB-15 59-61	BPB-16 21-23	BPB-16 55-57	Recommended	Soil Cleanup	Alternative
Sample Date	5/8/2006	5/10/2006	5/11/2006	5/26/2006	5/31/2006	Soil Cleanup	Objectives to	Guidance
SDG	60500100	60500179	60500179	60500338	60600072	Objective	Protect GW	Value
Volatile Organic Compounds (ug/Kg)								
1,3-Dichloropropane	ND	<6300 *	ND	<68000 *	<590 *	300	300	NS
Tetrachloroethylene	ND	ND	ND	<68000 *	ND	10000	10000	NS
Dibromochloromethane	ND	ND	ND	<68000 *	ND	10000	10000	NS
Chlorobenzene	ND	<6300 *	ND	<68000 *	ND	1700	1700	NS
1,1,1,2-Tetrachloroethane	ND	ND	ND	<68000 *	ND	10000	10000	NS
Ethylbenzene	ND	***490000***	ND	***460000***	ND	5500	5500	100
M & P XYLENE	ND	***480000***	ND	***1500000***	ND	1200	1200	100
O-XYLENE	ND	***200000***	ND	***600000***	ND	1200	1200	100
Styrene	ND	ND	ND	***1200000***	ND	10000	10000	NS
Bromoform	ND	ND	ND	<68000 *	ND	10000	10000	NS
Isopropylbenzene	ND	***39000***	ND	<68000 *	ND	2300	2300	100
1,1,2,2-Tetrachloroethane	ND	<6300 *	ND	<68000 *	ND	600	600	NS
1,2,3-Trichloropropane	ND	<6300 *	ND	<68000 *	<590 *	400	340	NS
n-Propylbenzene	ND	***16000***	ND	***29000 J***	ND	3700	3700	NS
trans-1,4-Dichloro-2-butene	ND	ND	ND	<68000 *	ND	10000	10000	NS
Bromobenzene	ND	ND	ND	<68000 *	ND	10000	10000	NS
2-Chlorotoluene	ND	ND	ND	<68000 *	ND	10000	10000	NS
1,3,5-Trimethylbenzene	5 J	***56000***	ND	***200000***	ND	3300	3300	100
4-Chlorotoluene	ND	ND	ND	<68000 *	ND	10000	10000	NS
tert-Butylbenzene	ND	ND	ND	<68000 *	ND	10000	11000	NS
1,2,4-Trimethylbenzene	ND	***250000***	ND	***780000***	ND	10000	13000	100
sec-Butylbenzene	ND	ND	ND	<68000 *	ND	10000	11000	NS
4-Isopropyltoluene	ND	***15000***	ND	<68000 *	ND	10000	10000	NS
1,3-Dichlorobenzene	ND	<6300 *	ND	<68000 *	ND	1600	1550	NS
1,4-Dichlorobenzene	ND	ND	ND	<68000 *	ND	8500	8500	NS
n-Butylbenzene	ND	ND	ND	<68000 *	ND	10000	12000	NS
1,2-Dichlorobenzene	ND	ND	ND	<68000 *	ND	7900	7900	NS
1,2-Dibromo-3-Chloropropane	ND	ND	ND	<68000 *	ND	10000	10000	NS
1,2,4-Trichlorobenzene	ND	<6300 *	ND	<68000 *	ND	3400	3400	NS
Hexachlorobutadiene	ND	ND	ND	<68000 *	ND	10000	10000	NS
Naphthalene	ND	***2100000 E,B***	ND B	***8800000 E,B***	ND	13000	13000	200
1,2,3-Trichlorobenzene	ND	ND	ND	<68000 *	ND	10000	10000	NS

Table 1
Summary of Analytical Results - Soil
Volatile Organic Compounds (VOCs)
Department of Sanitation Garage
50 Kent Avenue, Brooklyn, New York

Boring Number	BPB-17		BPB-18		BPB-18		BPB-19		BPB-19D		NYSDEC	NYSDEC	STARS TCLP
Sample ID	BPB-17 21-23		BPB-18 15-17		BPB-18 55-57		BPB-19 19-21		BPB-19D 19-21		Recommended	Soil Cleanup	Alternative
Sample Date	5/25/2006		5/1/2006		5/1/2006		5/22/2006		5/22/2006		Soil Cleanup	Objectives to	Guidance
SDG	60500338		60500024		60500100		60500236		60500236		Objective	Protect GW	Value
Volatile Organic Compounds (ug/Kg)													
Dichlorodifluoromethane	<62000	*	<12000	*	ND		<12000	*	<14000	*	10000	10000	NS
Vinyl Chloride	<62000	*	<12000	*	ND		<12000	*	<14000	*	200	120	NS
Chloromethane	<62000	*	<12000	*	ND		<12000	*	<14000	*	10000	10000	NS
Bromomethane	<62000	*	<12000	*	ND		<12000	*	<14000	*	10000	10000	NS
Chloroethane	<62000	*	<12000	*	ND		<12000	*	<14000	*	1900	1900	NS
Trichlorofluoromethane	<62000	*	<12000	*	ND		<12000	*	<14000	*	10000	10000	NS
Acrolein	<310000	*	<58000	*	ND		<60000	*	<69000	*	10000	10000	NS
Acetone	***560000***	***B***	<58000	*	67		<60000	*	***55000***	***J,B***	200	110	NS
1,1-Dichloroethylene	<62000	*	<12000	*	ND		<12000	*	<14000	*	10000	10000	NS
Iodomethane	<62000	*	<12000	*	ND		<12000	*	<14000	*	10000	10000	NS
Carbon Disulfide	<310000	*	<58000	*	ND		<60000	*	<69000	*	2700	2700	NS
Methylene Chloride	***140000***	***J,B***	***6400***	***J,B***	9	J,B	***25000***	***J,B***	***27000***	***J,B***	100	100	NS
Acrylonitrile	<310000	*	<58000	*	ND		<60000	*	<69000	*	10000	10000	NS
Methyl-Tert-Butyl-Ether	<62000	*	<12000	*	ND		<12000	*	<14000	*	120	120	1000
trans-1,2-Dichloroethylene	<62000	*	<12000	*	ND		<12000	*	<14000	*	10000	10000	NS
1,1-Dichloroethane	<62000	*	<12000	*	ND		<12000	*	<14000	*	200	200	NS
2-Butanone-(MEK)	***230000***	***J,B***	<58000	*	ND		***46000***	***J,B***	***50000***	***J,B***	300	300	NS
Vinyl Acetate	<310000	*	<58000	*	ND		<60000	*	<69000	*	10000	10000	NS
2,2-Dichloropropane	<62000	*	<12000	*	ND		<12000	*	<14000	*	10000	10000	NS
cis-1,2-Dichloroethylene	<62000	*	<12000	*	ND		<12000	*	<14000	*	10000	10000	NS
Chloroform	<62000	*	<12000	*	ND		<12000	*	<14000	*	300	300	NS
Bromochloromethane	<62000	*	<12000	*	ND		<12000	*	<14000	*	10000	10000	NS
1,1,1-Trichloroethane	<62000	*	<12000	*	ND		<12000	*	<14000	*	800	760	NS
1,1-Dichloropropene	<62000	*	<12000	*	ND		<12000	*	<14000	*	10000	10000	NS
Carbon Tetrachloride	<62000	*	<12000	*	ND		<12000	*	<14000	*	600	600	NS
Benzene	***2400000***		***15000***		45		***35000***		***39000***		60	60	14
1,2-Dichloroethane	<62000	*	<12000	*	ND		<12000	*	<14000	*	10000	10000	NS
Trichloroethylene	<62000	*	<12000	*	ND		<12000	*	<14000	*	10000	10000	NS
1,2-Dichloropropane	<62000	*	<12000	*	ND		<12000	*	<14000	*	10000	10000	NS
4-Methyl-2-Pentanone (MIBK)	<310000	*	<58000	*	ND		<60000	*	<69000	*	10000	10000	NS
2-Chloroethyl vinyl ether	<310000	*	<58000	*	ND		<60000	*	<69000	*	10000	10000	NS
cis-1,3-Dichloropropene	<62000	*	<12000	*	ND		<12000	*	<14000	*	10000	10000	NS
Toluene	***3100000***		***140000***		4	J	***25000***		***31000***		1500	1500	100
trans-1,3-Dichloropropene	<62000	*	<12000	*	ND		<12000	*	<14000	*	10000	10000	NS
Bromodichloromethane	<62000	*	<12000	*	ND		<12000	*	<14000	*	10000	10000	NS
Dibromomethane	<62000	*	<12000	*	ND		<12000	*	<14000	*	10000	10000	NS
1,1,2-Trichloroethane	<62000	*	<12000	*	ND		<12000	*	<14000	*	10000	10000	NS
1,2-Dibromoethane	<62000	*	<12000	*	ND		<12000	*	<14000	*	10000	10000	NS
2-Hexanone	<310000	*	<58000	*	ND		<60000	*	<69000	*	10000	10000	NS

Table 1
Summary of Analytical Results - Soil
Volatile Organic Compounds (VOCs)
Department of Sanitation Garage
50 Kent Avenue, Brooklyn, New York

Boring Number	BPB-17		BPB-18		BPB-18		BPB-19		BPB-19D		NYSDEC	NYSDEC	STARS TCLP
Sample ID	BPB-17 21-23		BPB-18 15-17		BPB-18 55-57		BPB-19 19-21		BPB-19D 19-21		Recommended	Soil Cleanup	Alternative
Sample Date	5/25/2006		5/1/2006		5/1/2006		5/22/2006		5/22/2006		Soil Cleanup	Objectives to	Guidance
SDG	60500338		60500024		60500100		60500236		60500236		Objective	Protect GW	Value
Volatile Organic Compounds (ug/Kg)													
1,3-Dichloropropane	<62000	*	<12000	*	ND		<12000	*	<14000	*	300	300	NS
Tetrachloroethylene	<62000	*	<12000	*	ND		<12000	*	<14000	*	10000	10000	NS
Dibromochloromethane	<62000	*	<12000	*	ND		<12000	*	<14000	*	10000	10000	NS
Chlorobenzene	<62000	*	<12000	*	ND		<12000	*	<14000	*	1700	1700	NS
1,1,1,2-Tetrachloroethane	<62000	*	<12000	*	ND		<12000	*	<14000	*	10000	10000	NS
Ethylbenzene	***740000***		***30000***		57		***150000***		***210000***		5500	5500	100
M & P XYLENE	***1900000***		***120000***		37		***110000***		***160000***		1200	1200	100
O-XYLENE	***760000***		***52000***		39		***48000***		***74000***		1200	1200	100
Styrene	***1400000***		***120000***		ND		<12000	*	<14000	*	10000	10000	NS
Bromoform	<62000	*	<12000	*	ND		<12000	*	<14000	*	10000	10000	NS
Isopropylbenzene	<62000	*	<12000	*	ND		***9100***	***J***	***14000***		2300	2300	100
1,1,2,2-Tetrachloroethane	<62000	*	<12000	*	ND		<12000	*	<14000	*	600	600	NS
1,2,3-Trichloropropane	<62000	*	<12000	*	ND		<12000	*	<14000	*	400	340	NS
n-Propylbenzene	***36000***	***J***	***2600***	***J***	3	J	***3700***	***J***	***5700***	***J***	3700	3700	NS
trans-1,4-Dichloro-2-butene	<62000	*	<12000	*	ND		<12000	*	<14000	*	10000	10000	NS
Bromobenzene	<62000	*	<12000	*	ND		<12000	*	<14000	*	10000	10000	NS
2-Chlorotoluene	<62000	*	<12000	*	ND		<12000	*	<14000	*	10000	10000	NS
1,3,5-Trimethylbenzene	***250000***		***16000***		14		***13000***		***21000***		3300	3300	100
4-Chlorotoluene	<62000	*	<12000	*	ND		<12000	*	<14000	*	10000	10000	NS
tert-Butylbenzene	<62000	*	<12000	*	ND		<12000	*	<14000	*	10000	11000	NS
1,2,4-Trimethylbenzene	***980000***		***58000***		40		***46000***		***83000***		10000	13000	100
sec-Butylbenzene	<62000	*	<12000	*	ND		<12000	*	<14000	*	10000	11000	NS
4-Isopropyltoluene	<62000	*	<12000	*	ND		2800	J	4800	J	10000	10000	NS
1,3-Dichlorobenzene	<62000	*	<12000	*	ND		<12000	*	<14000	*	1600	1550	NS
1,4-Dichlorobenzene	<62000	*	<12000	*	ND		<12000	*	<14000	*	8500	8500	NS
n-Butylbenzene	<62000	*	<12000	*	ND		<12000	*	<14000	*	10000	12000	NS
1,2-Dichlorobenzene	<62000	*	<12000	*	ND		<12000	*	<14000	*	7900	7900	NS
1,2-Dibromo-3-Chloropropane	<62000	*	<12000	*	ND		<12000	*	<14000	*	10000	10000	NS
1,2,4-Trichlorobenzene	<62000	*	<12000	*	ND		<12000	*	<14000	*	3400	3400	NS
Hexachlorobutadiene	<62000	*	<12000	*	ND		<12000	*	<14000	*	10000	10000	NS
Naphthalene	***15000000***	***E,B***	***630000***	***E,B***	390	B	***470000***	***B***	***810000***	***E,B***	13000	13000	200
1,2,3-Trichlorobenzene	<62000	*	<12000	*	ND		<12000	*	<14000	*	10000	10000	NS

Table 1
Summary of Analytical Results - Soil
Volatile Organic Compounds (VOCs)
Department of Sanitation Garage
50 Kent Avenue, Brooklyn, New York

Boring Number	BPB-19		BPB-20		BPB-21		BPB-21		BPB-22		NYSDEC	NYSDEC	STARS TCLP
Sample ID	BPB-19 55-57		BPB-20 17-19		BPB-21 21-23		BPB-21 57-59		BPB-22 35-37		Recommended	Soil Cleanup	Alternative
Sample Date	5/24/2006		5/16/2006		5/8/2006		5/9/2006		6/8/2006		Soil Cleanup	Objectives to	Guidance
SDG	60500338		60500236		60500100		60500179		60600130		Objective	Protect GW	Value
Volatile Organic Compounds (ug/Kg)													
Dichlorodifluoromethane	ND		ND		<12000	*	ND		ND		10000	10000	NS
Vinyl Chloride	<3400	*	<1200	*	<12000	*	ND		<570	*	200	120	NS
Chloromethane	ND		ND		<12000	*	ND		ND		10000	10000	NS
Bromomethane	ND		ND		<12000	*	ND		ND		10000	10000	NS
Chloroethane	<3400	*	ND		<12000	*	ND		ND		1900	1900	NS
Trichlorofluoromethane	ND		ND		<12000	*	ND		ND		10000	10000	NS
Acrolein	<17000	*	ND		<61000	*	ND		ND		10000	10000	NS
Acetone	***13000***	***J,B***	***4500***	***J,B***	***25000***	***J***	20	J	<2900	*	200	110	NS
1,1-Dichloroethylene	ND		ND		<12000	*	ND		ND		10000	10000	NS
Iodomethane	ND		ND		<12000	*	ND		ND		10000	10000	NS
Carbon Disulfide	<17000	*	<6000	*	<61000	*	ND		<2900	*	2700	2700	NS
Methylene Chloride	***5000***	***J,B***	***2900***	***J,B***	***10000***	***J,B***	ND		440	J,B	100	100	NS
Acrylonitrile	<17000	*	ND		<61000	*	ND		ND		10000	10000	NS
Methyl-Tert-Butyl-Ether	<3400	*	<1200	*	<12000	*	ND		<570	*	120	120	1000
trans-1,2-Dichloroethylene	ND		ND		<12000	*	ND		ND		10000	10000	NS
1,1-Dichloroethane	<3400	*	<1200	*	<12000	*	ND		<570	*	200	200	NS
2-Butanone-(MEK)	***11000***	***J,B***	***4500***	***J,B***	<61000	*	ND		370	J	300	300	NS
Vinyl Acetate	<17000	*	ND		<61000	*	ND		ND		10000	10000	NS
2,2-Dichloropropane	ND		ND		<12000	*	ND		ND		10000	10000	NS
cis-1,2-Dichloroethylene	ND		ND		<12000	*	ND		ND		10000	10000	NS
Chloroform	<3400	*	<1200	*	<12000	*	ND		<570	*	300	300	NS
Bromochloromethane	ND		ND		<12000	*	ND		ND		10000	10000	NS
1,1,1-Trichloroethane	<3400	*	<1200	*	<12000	*	ND		ND		800	760	NS
1,1-Dichloropropene	ND		ND		<12000	*	ND		ND		10000	10000	NS
Carbon Tetrachloride	<3400	*	<1200	*	<12000	*	ND		ND		600	600	NS
Benzene	<3400	*	***4200***		***170000***		ND		***870***		60	60	14
1,2-Dichloroethane	ND		ND		<12000	*	ND		ND		10000	10000	NS
Trichloroethylene	ND		ND		<12000	*	ND		ND		10000	10000	NS
1,2-Dichloropropane	ND		ND		<12000	*	ND		ND		10000	10000	NS
4-Methyl-2-Pentanone (MIBK)	<17000	*	ND		<61000	*	ND		ND		10000	10000	NS
2-Chloroethyl vinyl ether	<17000	*	ND		<61000	*	ND		ND		10000	10000	NS
cis-1,3-Dichloropropene	ND		ND		<12000	*	ND		ND		10000	10000	NS
Toluene	<3400	*	***1700***		***210000***		3	J,B	780		1500	1500	100
trans-1,3-Dichloropropene	ND		ND		<12000	*	ND		ND		10000	10000	NS
Bromodichloromethane	ND		ND		<12000	*	ND		ND		10000	10000	NS
Dibromomethane	ND		ND		<12000	*	ND		ND		10000	10000	NS
1,1,2-Trichloroethane	ND		ND		<12000	*	ND		ND		10000	10000	NS
1,2-Dibromoethane	ND		ND		<12000	*	ND		ND		10000	10000	NS
2-Hexanone	<17000	*	ND		<61000	*	ND		ND		10000	10000	NS

Table 1
Summary of Analytical Results - Soil
Volatile Organic Compounds (VOCs)
Department of Sanitation Garage
50 Kent Avenue, Brooklyn, New York

Boring Number	BPB-19		BPB-20		BPB-21		BPB-21		BPB-22		NYSDEC	NYSDEC	STARS TCLP
Sample ID	BPB-19 55-57		BPB-20 17-19		BPB-21 21-23		BPB-21 57-59		BPB-22 35-37		Recommended	Soil Cleanup	Alternative
Sample Date	5/24/2006		5/16/2006		5/8/2006		5/9/2006		6/8/2006		Soil Cleanup	Objectives to	Guidance
SDG	60500338		60500236		60500100		60500179		60600130		Objective	Protect GW	Value
Volatile Organic Compounds (ug/Kg)													
1,3-Dichloropropane	<3400	*	<1200	*	<12000	*	ND		ND		300	300	NS
Tetrachloroethylene	ND		ND		<12000	*	ND		ND		10000	10000	NS
Dibromochloromethane	ND		ND		<12000	*	ND		ND		10000	10000	NS
Chlorobenzene	<3400	*	ND		<12000	*	ND		ND		1700	1700	NS
1,1,1,2-Tetrachloroethane	ND		ND		<12000	*	ND		ND		10000	10000	NS
Ethylbenzene	ND		***41000***		***23000***		ND		1300		5500	5500	100
M & P XYLENE	<6800	*	***22000***		***170000***		3	J	***1500***		1200	1200	100
O-XYLENE	<3400	*	***12000***		***74000***		ND		670		1200	1200	100
Styrene	ND		ND		***190000***		ND		ND		10000	10000	NS
Bromoform	ND		ND		<12000	*	ND		ND		10000	10000	NS
Isopropylbenzene	<3400	*	***4600***		<12000	*	ND		ND		2300	2300	100
1,1,2,2-Tetrachloroethane	<3400	*	<1200	*	<12000	*	ND		ND		600	600	NS
1,2,3-Trichloropropane	<3400	*	<1200	*	<12000	*	ND		<570	*	400	340	NS
n-Propylbenzene	ND		1500		3100	J	ND		ND		3700	3700	NS
trans-1,4-Dichloro-2-butene	ND		ND		<12000	*	ND		ND		10000	10000	NS
Bromobenzene	ND		ND		<12000	*	ND		ND		10000	10000	NS
2-Chlorotoluene	ND		ND		<12000	*	ND		ND		10000	10000	NS
1,3,5-Trimethylbenzene	<3400	*	***7000***		***23000***		ND		470	J	3300	3300	100
4-Chlorotoluene	ND		ND		<12000	*	ND		ND		10000	10000	NS
tert-Butylbenzene	ND		ND		<12000	*	ND		ND		10000	11000	NS
1,2,4-Trimethylbenzene	ND		***33000***		***89000***		3	J	***120000***		10000	13000	100
sec-Butylbenzene	ND		ND		<12000	*	ND		ND		10000	11000	NS
4-Isopropyltoluene	ND		1600		<12000	*	ND		ND		10000	10000	NS
1,3-Dichlorobenzene	<3400	*	ND		<12000	*	ND		ND		1600	1550	NS
1,4-Dichlorobenzene	ND		ND		<12000	*	ND		ND		8500	8500	NS
n-Butylbenzene	ND		ND		<12000	*	ND		ND		10000	12000	NS
1,2-Dichlorobenzene	ND		ND		<12000	*	ND		ND		7900	7900	NS
1,2-Dibromo-3-Chloropropane	ND		ND		<12000	*	ND		ND		10000	10000	NS
1,2,4-Trichlorobenzene	<3400	*	ND		<12000	*	ND		ND		3400	3400	NS
Hexachlorobutadiene	ND		ND		<12000	*	ND		ND		10000	10000	NS
Naphthalene	***27000***	***B***	***190000***	***B***	***1300000***	***E***	130	B	***9100***		13000	13000	200
1,2,3-Trichlorobenzene	ND		ND		<12000	*	ND		ND		10000	10000	NS

Table 1
Summary of Analytical Results - Soil
Volatile Organic Compounds (VOCs)
Department of Sanitation Garage
50 Kent Avenue, Brooklyn, New York

Boring Number	BPB-22D		BPB-22		NYSDEC	NYSDEC	STARS TCLP
Sample ID	BPB-22D 35-37		BPB-22 55-57		Recommended	Soil Cleanup	Alternative
Sample Date	6/8/2006		6/9/2006		Soil Cleanup	Objectives to	Guidance
SDG	60600130		60600176		Objective	Protect GW	Value
Volatile Organic Compounds (ug/Kg)							
Dichlorodifluoromethane	ND		ND		10000	10000	NS
Vinyl Chloride	<2900	*	ND		200	120	NS
Chloromethane	ND		ND		10000	10000	NS
Bromomethane	ND		ND		10000	10000	NS
Chloroethane	<2900	*	ND		1900	1900	NS
Trichlorofluoromethane	ND		ND		10000	10000	NS
Acrolein	<29000	*	ND		10000	10000	NS
Acetone	***5300***	***J***	49	B	200	110	NS
1,1-Dichloroethylene	ND		ND		10000	10000	NS
Iodomethane	ND		ND		10000	10000	NS
Carbon Disulfide	***4000***	***J***	ND		2700	2700	NS
Methylene Chloride	***3200***	***J,B***	ND		100	100	NS
Acrylonitrile	<14000	*	ND		10000	10000	NS
Methyl-Tert-Butyl-Ether	<2900	*	ND		120	120	1000
trans-1,2-Dichloroethylene	ND		ND		10000	10000	NS
1,1-Dichloroethane	<2900	*	ND		200	200	NS
2-Butanone-(MEK)	<14000	*	12	J	300	300	NS
Vinyl Acetate	<14000	*	ND		10000	10000	NS
2,2-Dichloropropane	ND		ND		10000	10000	NS
cis-1,2-Dichloroethylene	ND		ND		10000	10000	NS
Chloroform	<2900	*	ND		300	300	NS
Bromochloromethane	ND		ND		10000	10000	NS
1,1,1-Trichloroethane	<2900	*	ND		800	760	NS
1,1-Dichloropropene	ND		ND		10000	10000	NS
Carbon Tetrachloride	<2900	*	ND		600	600	NS
Benzene	***4100***		ND		60	60	14
1,2-Dichloroethane	ND		ND		10000	10000	NS
Trichloroethylene	ND		ND		10000	10000	NS
1,2-Dichloropropane	ND		ND		10000	10000	NS
4-Methyl-2-Pentanone (MIBK)	ND		ND		10000	10000	NS
2-Chloroethyl vinyl ether	<14000	*	ND		10000	10000	NS
cis-1,3-Dichloropropene	ND		ND		10000	10000	NS
Toluene	***8000***		ND		1500	1500	100
trans-1,3-Dichloropropene	ND		ND		10000	10000	NS
Bromodichloromethane	ND		ND		10000	10000	NS
Dibromomethane	ND		ND		10000	10000	NS
1,1,2-Trichloroethane	ND		ND		10000	10000	NS
1,2-Dibromoethane	ND		ND		10000	10000	NS
2-Hexanone	<14000	*	ND		10000	10000	NS

Table 1
Summary of Analytical Results - Soil
Volatile Organic Compounds (VOCs)
Department of Sanitation Garage
50 Kent Avenue, Brooklyn, New York

Boring Number	BPB-22D	BPB-22	NYSDEC	NYSDEC	STARS TCLP
Sample ID	BPB-22D 35-37	BPB-22 55-57	Recommended	Soil Cleanup	Alternative
Sample Date	6/8/2006	6/9/2006	Soil Cleanup	Objectives to	Guidance
SDG	60600130	60600176	Objective	Protect GW	Value
Volatile Organic Compounds (ug/Kg)					
1,3-Dichloropropane	<2900 *	ND	300	300	NS
Tetrachloroethylene	ND	ND	10000	10000	NS
Dibromochloromethane	ND	ND	10000	10000	NS
Chlorobenzene	<2900 *	ND	1700	1700	NS
1,1,1,2-Tetrachloroethane	ND	ND	10000	10000	NS
Ethylbenzene	***12000***	ND	5500	5500	100
M & P XYLENE	***12000***	ND	1200	1200	100
O-XYLENE	***5300***	ND	1200	1200	100
Styrene	ND	ND	10000	10000	NS
Bromoform	ND	ND	10000	10000	NS
Isopropylbenzene	<2900 *	ND	2300	2300	100
1,1,2,2-Tetrachloroethane	<2900 *	ND	600	600	NS
1,2,3-Trichloropropane	<2900 *	ND	400	340	NS
n-Propylbenzene	790 J	ND	3700	3700	NS
trans-1,4-Dichloro-2-butene	ND	ND	10000	10000	NS
Bromobenzene	ND	ND	10000	10000	NS
2-Chlorotoluene	ND	ND	10000	10000	NS
1,3,5-Trimethylbenzene	3100	ND	3300	3300	100
4-Chlorotoluene	ND	ND	10000	10000	NS
tert-Butylbenzene	ND	ND	10000	11000	NS
1,2,4-Trimethylbenzene	***11000***	ND	10000	13000	100
sec-Butylbenzene	ND	ND	10000	11000	NS
4-Isopropyltoluene	ND	ND	10000	10000	NS
1,3-Dichlorobenzene	<2900 *	ND	1600	1550	NS
1,4-Dichlorobenzene	ND	ND	8500	8500	NS
n-Butylbenzene	ND	ND	10000	12000	NS
1,2-Dichlorobenzene	ND	ND	7900	7900	NS
1,2-Dibromo-3-Chloropropane	<2900 *	ND	10000	10000	NS
1,2,4-Trichlorobenzene	ND	ND	3400	3400	NS
Hexachlorobutadiene	ND	ND	10000	10000	NS
Naphthalene	***63000***	ND	13000	13000	200
1,2,3-Trichlorobenzene	ND	ND	10000	10000	NS

Notes:
(1) Bold - Indicates value that exceeded the NYSDEC Recommended Soil Cleanup Objectives.
(2) Italic - Indicates value that exceeded the NYSDEC Soil Cleanup Objectives to Protect GW.
(3) Shaded - Indicates value that exceeded the STARS TCLP Alternative Guidance Value.
(4) * - MDL exceeds the NYSDEC Recommended Soil Cleanup Objectives.
(5) NS - No Standard.
(6) ND - Not Detected above laboratory method detection limit.
(7) B - Indicates the analyte was found in the blank.
(8) J - Indicates an estimated value.
(9) RL3 - Reporting limit raised due to high concentrations of non-target analytes.
(10) E - Concentration exceeds the calibration range.

Table 2
Summary of Analytical Results - Soil
Semivolatile Organic Compounds (SVOCs)
Department of Sanitation Garage
50 Kent Avenue, Brooklyn, New York

Boring Number Sample ID Sample Date SDG	BPB-10 BPB-10 9-11 4/28/2006 60500024	BPB-10 BPB-10 55-57 4/28/2006 60500024	BPB-11 BPB-11 7-9 4/25/2006 60500024	BPB-11 BPB-11 55-57 5/3/2006 60500100	BPB-12 BPB-12 7-9 4/27/2006 60500024	NYSDEC Recommended Soil Cleanup Objective	NYSDEC Soil Cleanup Objectives to Protect GW	STARS TCLP Alternative Guidance Value
Semivolatile Organic Compounds (ug/Kg)								
bis(2-Chloroethyl)ether	ND	ND	ND	ND	ND	50000	50000	NS
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	50000	50000	NS
Phenol	<11000 *	<200 *	<2000 *	<200 *	<1900 *	30	30	NS
2-Chlorophenol	<11000 *	ND	<2000 *	ND	<1900 *	800	800	NS
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	50000	50000	NS
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	50000	50000	NS
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	50000	50000	NS
2,2'-oxybis(1-Chloropropane	ND	ND	ND	ND	ND	50000	50000	NS
2-Methyl Phenol	ND	ND	ND	ND	ND	50000	50000	NS
Hexachloroethane	ND	ND	ND	ND	ND	50000	50000	NS
N-Nitroso-di-n-propylamine	ND	ND	ND	ND	ND	50000	50000	NS
3&4-Methyl Phenol	ND	ND	ND	ND	ND	50000	50000	NS
Nitrobenzene	<11000 *	<200 *	<2000 *	<200 *	<1900 *	200	200	NS
Isophorone	<11000 *	ND	ND	ND	ND	4400	4400	NS
2-Nitrophenol	<11000 *	ND	<2000 *	ND	<1900 *	330	330	NS
2,4-Dimethylphenol	ND	ND	ND	ND	ND	50000	50000	NS
bis (2-Chloroethoxy)	ND	ND	ND	ND	ND	50000	50000	NS
2,4-Dichlorophenol	<11000 *	ND	<2000 *	ND	<1900 *	400	400	NS
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	50000	50000	NS
Naphthalene	***160000***	ND	***34000***	66 J	730 J	13000	13000	200
4-Chloroanaline	<11000 *	ND	<2000 *	ND	<1900 *	220	220	NS
Hexachlorobutadiene	ND	ND	ND	ND	ND	50000	50000	NS
4-Chloro-3-methylphenol	<11000	ND	<2000 *	ND	<1900 *	240	240	NS
2-Methyl Naphthalene	***88000***	ND	15000	98 J	710 J	36400	36400	NS
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	50000	50000	NS
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	50000	50000	NS
2,4,5-Trichlorophenol	<11000 *	<200 *	<2000 *	<200 *	<1900 *	100	100	NS
2-Chloronaphthalene	ND	ND	ND	ND	ND	50000	50000	NS
2-Nitroaniline	<11000 *	ND	<2000 *	ND	<1900 *	430	430	NS
Acenaphthylene	29000	ND	7100	84 J	2100	50000	103000	NS
Dimethyl Phthalate	<11000 *	ND	<2000 *	ND	<1900 *	2000	2000	NS
2,6-Dinitrotoluene	<11000 *	ND	<2000 *	ND	<1900 *	1000	1000	NS
Acenapthene	47000	ND	18000	ND	8300	50000	92000	400
3-Nitroaniline	<11000 *	ND	<2000 *	ND	<1900 *	500	500	NS
2,4-Dinitrophenol	<11000 *	ND	<2000 *	<200 *	<1900 *	200	200	NS
2,4-Dinitrotoluene	<11000 *	<200 *	<2000 *	<200 *	<1900 *	100	100	NS
Dibenzofuran	***8500 J***	ND	1200 J	ND	ND	6200	6200	NS
4-Nitrophenol	<11000 *	<200 *	<2000 *	<200 *	<1900 *	100	100	NS
Fluorene	32000	ND	7100	ND	1800 J	50000	365000	1000

Table 2
Summary of Analytical Results - Soil
Semivolatile Organic Compounds (SVOCs)
Department of Sanitation Garage
50 Kent Avenue, Brooklyn, New York

Boring Number Sample ID Sample Date SDG	BPB-10 BPB-10 9-11 4/28/2006 60500024	BPB-10 BPB-10 55-57 4/28/2006 60500024	BPB-11 BPB-11 7-9 4/25/2006 60500024	BPB-11 BPB-11 55-57 5/3/2006 60500100	BPB-12 BPB-12 7-9 4/27/2006 60500024	NYSDEC Recommended Soil Cleanup Objective	NYSDEC Soil Cleanup Objectives to Protect GW	STARS TCLP Alternative Guidance Value
Semivolatile Organic Compounds (ug/Kg)								
4-Chlorophenyl Phenyl Ether	ND	ND	ND	ND	ND	50000	50000	NS
Diethyl Phthalate	<11000 *	ND	ND	ND	ND	7100	7100	NS
4-Nitroaniline	ND	ND	ND	ND	ND	50000	50000	NS
2-Methyl-4,6-dinitrophenol	ND	ND	ND	ND	ND	50000	50000	NS
N-Nitrosodiphenylamine	ND	ND	ND	ND	ND	50000	50000	NS
4-Bromophenyl Phenyl Ether	ND	ND	ND	ND	ND	50000	50000	NS
Hexachlorobenzene	<11000 *	ND	<2000 *	ND	<1900 *	410	1400	NS
Pentachlorophenol	<11000 *	ND	<2000 *	ND	<1900 *	1000	1000	NS
Phenanthrene	***120000***	ND	26000	ND	10000	50000	218000	1000
Anthracene	32000	ND	10000	ND	1400 J	50000	700000	1000
Carbazole	ND	ND	ND	ND	ND	50000	50000	NS
Di-n-butylphthalate	<11000 *	ND	ND	ND	ND	8100	8100	NS
Fluoranthene	29000	ND	9400	ND	1500 J	50000	1900000	1000
Benzidine	<11000 *	ND	ND	ND	ND	50000	50000	NS
Pyrene	49000	ND	9500	67 J	4700	50000	665000	1000
Butyl Benzyl Phthalate	ND	ND	ND	ND	ND	50000	122000	NS
3,3'-Dichlorbenzidine	ND	ND	ND	ND	ND	50000	50000	NS
Benzo(a)anthracene	***18000***	ND	***4400***	ND	<1900 *	224	2800	0.04
Chrysene	***18000***	ND	***3900***	ND	<1900 *	400	400	0.04
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	50000	435000	NS
Di-n-octyl phthalate	ND	ND	ND	ND	ND	50000	12000	NS
Indeno (1,2,3-cd)Pyrene	<11000 *	ND	ND	ND	ND	3200	3200	0.04
Benzo(b)fluoranthene	***16000***	ND	***5100***	ND	***1200 J***	220	1100	0.04
Benzo(k)fluoranthene	<11000 *	ND	**460** J	ND	<1900 *	220	1100	0.04
Benzo(a)pyrene	***19000***	ND	**5500**	<200 *	**1400 J**	61	11000	0.04
Dibenzo(a,h)Anthracene	<11000 *	<200 *	<2000 *	<200 *	<1900 *	14.3	1650000	1000
Benzo (g,h,i) perylene	ND	ND	ND	ND	ND	50000	800000	0.04

Table 2
Summary of Analytical Results - Soil
Semivolatile Organic Compounds (SVOCs)
Department of Sanitation Garage
50 Kent Avenue, Brooklyn, New York

Boring Number Sample ID Sample Date SDG	BPB-12 BPB-12 49-51 4/27/2006 60500024	BPB-12 BPB-12 58-60 4/27/2006 60500024	BPB-13 BPB-13 11-13 6/1/2006 60600072	BPB-13 BPB-13 50-52 6/6/2006 60600130	BPB-14 BPB-14 19-21 5/5/2006 60500100	NYSDEC Recommended Soil Cleanup Objective	NYSDEC Soil Cleanup Objectives to Protect GW	STARS TCLP Alternative Guidance Value
Semivolatile Organic Compounds (ug/Kg)								
bis(2-Chloroethyl)ether	ND	ND	ND	<380000 *	ND	50000	50000	NS
N-Nitrosodimethylamine	ND	ND	ND	<380000 *	ND	50000	50000	NS
Phenol	<9400 *	<200 *	<11000 *	<380000 *	<20000 *	30	30	NS
2-Chlorophenol	<9400 *	ND	<11000 *	<380000 *	<20000 *	800	800	NS
1,3-Dichlorobenzene	ND	ND	ND	<380000 *	ND	50000	50000	NS
1,4-Dichlorobenzene	ND	ND	ND	<380000 *	ND	50000	50000	NS
1,2-Dichlorobenzene	ND	ND	ND	<380000 *	ND	50000	50000	NS
2,2'-oxybis(1-Chloropropane	ND	ND	ND	<380000 *	ND	50000	50000	NS
2-Methyl Phenol	ND	ND	ND	<380000 *	ND	50000	50000	NS
Hexachloroethane	ND	ND	ND	<380000 *	ND	50000	50000	NS
N-Nitroso-di-n-propylamine	ND	ND	ND	<380000 *	ND	50000	50000	NS
3&4-Methyl Phenol	ND	ND	ND	<760000 *	ND	50000	50000	NS
Nitrobenzene	<9400 *	<200 *	<11000 *	<380000 *	<20000 *	200	200	NS
Isophorone	<9400 *	ND	<11000 *	<380000 *	<20000 *	4400	4400	NS
2-Nitrophenol	<9400 *	ND	<11000 *	<380000 *	<20000 *	330	330	NS
2,4-Dimethylphenol	ND	ND	ND	<380000 *	ND	50000	50000	NS
bis (2-Chloroethoxy)	ND	ND	ND	<380000 *	ND	50000	50000	NS
2,4-Dichlorophenol	<9400 *	ND	<11000 *	<380000 *	<20000 *	400	400	NS
1,2,4-Trichlorobenzene	ND	ND	ND	<380000 *	ND	50000	50000	NS
Naphthalene	***150000***	ND	***180000***	***5600000***	***1000000***	13000	13000	200
4-Chloroanaline	<9400 *	ND	<11000 *	<380000 *	<20000 *	220	220	NS
Hexachlorobutadiene	ND	ND	ND	<380000 *	ND	50000	50000	NS
4-Chloro-3-methylphenol	<9400 *	ND	<11000 *	<380000 *	<20000 *	240	240	NS
2-Methyl Naphthalene	***84000***	ND	***76000***	***2100000***	320000	36400	36400	NS
Hexachlorocyclopentadiene	ND	ND	ND	<380000 *	ND	50000	50000	NS
2,4,6-Trichlorophenol	ND	ND	ND	<380000 *	ND	50000	50000	NS
2,4,5-Trichlorophenol	<9400 *	<200 *	<11000 *	<380000 *	<20000 *	100	100	NS
2-Chloronaphthalene	ND	ND	ND	<380000 *	ND	50000	50000	NS
2-Nitroaniline	<9400 *	ND	<11000 *	<380000 *	<20000 *	430	430	NS
Acenaphthylene	72000	ND	13000	***2000000***	***270000***	50000	103000	NS
Dimethyl Phthalate	<9400 *	ND	<11000 *	<380000 *	<20000 *	2000	2000	NS
2,6-Dinitrotoluene	<9400 *	ND	<11000 *	<380000 *	<20000 *	1000	1000	NS
Acenapthene	22000	ND	25000	***130000 J***	20000	50000	92000	400
3-Nitroaniline	<9400 *	ND	<11000 *	<380000 *	<20000 *	500	500	NS
2,4-Dinitrophenol	<9400 *	<200 *	<11000 *	<380000 *	<20000 *	200	200	NS
2,4-Dinitrotoluene	<9400 *	<200 *	<11000 *	<380000 *	<20000 *	100	100	NS
Dibenzofuran	4400 J	ND	<11000 *	<380000 *	***9400 J***	6200	6200	NS
4-Nitrophenol	<9400 *	<200 *	<11000 *	<380000 *	<20000 *	100	100	NS
Fluorene	32000	ND	13000	***560000***	**87000**	50000	365000	1000

Table 2
Summary of Analytical Results - Soil
Semivolatile Organic Compounds (SVOCs)
Department of Sanitation Garage
50 Kent Avenue, Brooklyn, New York

Boring Number Sample ID Sample Date SDG	BPB-12 BPB-12 49-51 4/27/2006 60500024	BPB-12 BPB-12 58-60 4/27/2006 60500024	BPB-13 BPB-13 11-13 6/1/2006 60600072	BPB-13 BPB-13 50-52 6/6/2006 60600130	BPB-14 BPB-14 19-21 5/5/2006 60500100	NYSDEC Recommended Soil Cleanup Objective	NYSDEC Soil Cleanup Objectives to Protect GW	STARS TCLP Alternative Guidance Value
Semivolatile Organic Compounds (ug/Kg)								
4-Chlorophenyl Phenyl Ether	ND	ND	ND	<380000 *	ND	50000	50000	NS
Diethyl Phthalate	<9400 *	ND	<11000 *	<380000 *	<20000 *	7100	7100	NS
4-Nitroaniline	ND	ND	ND	<380000 *	ND	50000	50000	NS
2-Methyl-4,6-dinitrophenol	ND	ND	ND	<380000 *	ND	50000	50000	NS
N-Nitrosodiphenylamine	ND	ND	ND	<380000 *	ND	50000	50000	NS
4-Bromophenyl Phenyl Ether	ND	ND	ND	<380000 *	ND	50000	50000	NS
Hexachlorobenzene	<9400 *	ND	<11000 *	<380000 *	<20000 *	410	1400	NS
Pentachlorophenol	<9400 *	ND	<11000 *	<380000 *	<20000 *	1000	1000	NS
Phenanthrene	**100000**	ND	34000	***1600000***	***250000***	50000	218000	1000
Anthracene	27000	ND	ND	**87000 J**	**70000**	50000	700000	1000
Carbazole	ND	ND	ND	<380000 *	ND	50000	50000	NS
Di-n-butylphthalate	<9400 *	ND	<11000 *	<380000 *	<20000 *	8100	8100	NS
Fluoranthene	12000	ND	ND	<380000 *	46000	50000	1900000	1000
Benzidine	ND	ND	ND	<380000 *	ND	50000	50000	NS
Pyrene	34000	ND	ND	**460000**	**74000**	50000	665000	1000
Butyl Benzyl Phthalate	ND	ND	ND	<380000 *	ND	50000	122000	NS
3,3'-Dichlorbenzidine	ND	ND	ND	<380000 *	ND	50000	50000	NS
Benzo(a)anthracene	***6500 J***	ND	<11000 *	<380000 *	***17000 J***	224	2800	0.04
Chrysene	***5700 J***	ND	<11000 *	<380000 *	***13000 J***	400	400	0.04
bis(2-Ethylhexyl)phthalate	ND	ND	ND	<380000 *	ND	50000	435000	NS
Di-n-octyl phthalate	ND	ND	ND	<380000 *	ND	50000	12000	NS
Indeno (1,2,3-cd)Pyrene	<9400 *	ND	<11000 *	<380000 *	<20000 *	3200	3200	0.04
Benzo(b)fluoranthene	***6400 J***	ND	***3100 J***	***98000 J***	***15000 J***	220	1100	0.04
Benzo(k)fluoranthene	<9400 *	ND	<11000 *	<380000 *	<20000 *	220	1100	0.04
Benzo(a)pyrene	**9800**	<200 *	**5000 J**	***150000 J***	***23000***	61	11000	0.04
Dibenzo(a,h)Anthracene	<9400 *	<200 *	<11000 *	<380000 *	<20000 *	14.3	1650000	1000
Benzo (g,h,i) perylene	ND	ND	ND	<380000 *	ND	50000	800000	0.04

Table 2
Summary of Analytical Results - Soil
Semivolatile Organic Compounds (SVOCs)
Department of Sanitation Garage
50 Kent Avenue, Brooklyn, New York

Boring Number	BPB-14	BPB-15	BPB-15	BPB-16	BPB-16	NYSDEC	NYSDEC	STARS TCLP
Sample ID	BPB-14 57-59	BPB-15 15-17	BPB-15 59-61	BPB-16 21-23	BPB-16 55-57	Recommended	Soil Cleanup	Alternative
Sample Date	5/8/2006	5/10/2006	5/11/2006	5/26/2006	5/31/2006	Soil Cleanup	Objectives to	Guidance
SDG	60500100	60500179	60500179	60500338	60600072	Objective	Protect GW	Value
Semivolatile Organic Compounds (ug/Kg)								
bis(2-Chloroethyl)ether	ND	ND	ND	<1100000 *	ND	50000	50000	NS
N-Nitrosodimethylamine	ND	ND	ND	<1100000 *	ND	50000	50000	NS
Phenol	<200 *	<20000 *	<200 *	<1100000 *	<210	30	30	NS
2-Chlorophenol	ND	<20000 *	ND	<1100000 *	ND	800	800	NS
1,3-Dichlorobenzene	ND	ND	ND	<1100000 *	ND	50000	50000	NS
1,4-Dichlorobenzene	ND	ND	ND	<1100000 *	ND	50000	50000	NS
1,2-Dichlorobenzene	ND	ND	ND	<1100000 *	ND	50000	50000	NS
2,2'-oxybis(1-Chloropropane	ND	ND	ND	<1100000 *	ND	50000	50000	NS
2-Methyl Phenol	ND	ND	ND	<1100000 *	ND	50000	50000	NS
Hexachloroethane	ND	ND	ND	<1100000 *	ND	50000	50000	NS
N-Nitroso-di-n-propylamine	ND	ND	ND	<1100000 *	ND	50000	50000	NS
3&4-Methyl Phenol	ND	ND	ND	<2200000 *	ND	50000	50000	NS
Nitrobenzene	<200 *	<20000 *	<200 *	<1100000 *	ND	200	200	NS
Isophorone	ND	<20000 *	ND	<1100000 *	ND	4400	4400	NS
2-Nitrophenol	ND	<20000 *	ND	<1100000 *	ND	330	330	NS
2,4-Dimethylphenol	ND	ND	ND	<1100000 *	ND	50000	50000	NS
bis (2-Chloroethoxy)	ND	ND	ND	<1100000 *	ND	50000	50000	NS
2,4-Dichlorophenol	ND	<20000 *	ND	<1100000 *	ND	400	400	NS
1,2,4-Trichlorobenzene	ND	ND	ND	<1100000 *	ND	50000	50000	NS
Naphthalene	ND	***770000***	ND	***14000000***	590	13000	13000	200
4-Chloroanaline	ND	<20000 *	ND	<1100000 *	ND	220	220	NS
Hexachlorobutadiene	ND	ND	ND	<1100000 *	ND	50000	50000	NS
4-Chloro-3-methylphenol	ND	<20000 *	ND	<1100000 *	ND	240	240	NS
2-Methyl Naphthalene	ND	***350000***	76 J	***5700000***	310	36400	36400	NS
Hexachlorocyclopentadiene	ND	ND	ND	<1100000 *	ND	50000	50000	NS
2,4,6-Trichlorophenol	ND	ND	ND	<1100000 *	ND	50000	50000	NS
2,4,5-Trichlorophenol	<200 *	<20000 *	<200 *	<1100000 *	<210	100	100	NS
2-Chloronaphthalene	ND	ND	ND	<1100000 *	ND	50000	50000	NS
2-Nitroaniline	ND	<20000 *	ND	<1100000 *	ND	430	430	NS
Acenaphthylene	ND	***150000***	270	***4400000***	110 J	50000	103000	NS
Dimethyl Phthalate	ND	<20000 *	ND	<1100000 *	ND	2000	2000	NS
2,6-Dinitrotoluene	ND	<20000 *	ND	<1100000 *	ND	1000	1000	NS
Acenapthene	ND	***210000***	ND	***280000 J***	130 J	50000	92000	400
3-Nitroaniline	ND	<20000 *	ND	<1100000 *	ND	500	500	NS
2,4-Dinitrophenol	<200 *	<20000 *	<200 *	<1100000 *	<210	200	200	NS
2,4-Dinitrotoluene	<200 *	<20000 *	<200 *	<1100000 *	<210	100	100	NS
Dibenzofuran	ND	***13000 J***	ND	<1100000 *	ND	6200	6200	NS
4-Nitrophenol	<200 *	<20000 *	<200 *	<1100000 *	<210	100	100	NS
Fluorene	ND	**120000**	100 J	***1700000***	71 J	50000	365000	1000

Table 2
Summary of Analytical Results - Soil
Semivolatile Organic Compounds (SVOCs)
Department of Sanitation Garage
50 Kent Avenue, Brooklyn, New York

Boring Number	BPB-14	BPB-15	BPB-15	BPB-16	BPB-16	NYSDEC	NYSDEC	STARS TCLP
Sample ID	BPB-14 57-59	BPB-15 15-17	BPB-15 59-61	BPB-16 21-23	BPB-16 55-57	Recommended	Soil Cleanup	Alternative
Sample Date	5/8/2006	5/10/2006	5/11/2006	5/26/2006	5/31/2006	Soil Cleanup	Objectives to	Guidance
SDG	60500100	60500179	60500179	60500338	60600072	Objective	Protect GW	Value
Semivolatile Organic Compounds (ug/Kg)								
4-Chlorophenyl Phenyl Ether	ND	ND	ND	<1100000 *	ND	50000	50000	NS
Diethyl Phthalate	ND	<20000 *	ND	<1100000 *	ND	7100	7100	NS
4-Nitroaniline	ND	ND	ND	<1100000 *	ND	50000	50000	NS
2-Methyl-4,6-dinitrophenol	ND	ND	ND	<1100000 *	ND	50000	50000	NS
N-Nitrosodiphenylamine	ND	ND	ND	<1100000 *	ND	50000	50000	NS
4-Bromophenyl Phenyl Ether	ND	ND	ND	<1100000 *	ND	50000	50000	NS
Hexachlorobenzene	ND	<20000 *	ND	<1100000 *	ND	410	1400	NS
Pentachlorophenol	ND	<20000 *	ND	<1100000 *	ND	1000	1000	NS
Phenanthrene	ND	***400000***	260	***3300000***	ND	50000	218000	1000
Anthracene	ND	**130000**	ND	<1100000 *	ND	50000	700000	1000
Carbazole	ND	ND	ND	<1100000 *	ND	50000	50000	NS
Di-n-butylphthalate	ND	<20000 *	ND	<1100000 *	ND	8100	8100	NS
Fluoranthene	ND	**120000**	ND	<1100000 *	ND	50000	1900000	1000
Benzidine	ND	ND	ND	<1100000 *	ND	50000	50000	NS
Pyrene	ND	**120000**	220 *	***1600000***	89 J	50000	665000	1000
Butyl Benzyl Phthalate	ND	ND	ND	<1100000 *	ND	50000	122000	NS
3,3'-Dichlorbenzidine	ND	ND	ND	<1100000 *	ND	50000	50000	NS
Benzo(a)anthracene	ND	***48000***	ND	<1100000 *	ND	224	2800	0.04
Chrysene	ND	***44000***	ND	<1100000 *	ND	400	400	0.04
bis(2-Ethylhexyl)phthalate	ND	ND	ND	<1100000 *	ND	50000	435000	NS
Di-n-octyl phthalate	ND	ND	ND	<1100000 *	ND	50000	12000	NS
Indeno (1,2,3-cd)Pyrene	ND	<20000 *	ND	<1100000 *	ND	3200	3200	0.04
Benzo(b)fluoranthene	ND	***26000***	51 J	<1100000 *	ND	220	1100	0.04
Benzo(k)fluoranthene	ND	<20000 *	ND	<1100000 *	ND	220	1100	0.04
Benzo(a)pyrene	<200	***39000***	**67 J**	***320000 J***	<210	61	11000	0.04
Dibenzo(a,h)Anthracene	<200	<20000 *	<200 *	<1100000 *	<210	14.3	1650000	1000
Benzo (g,h,i) perylene	ND	ND	ND	<1100000 *	ND	50000	800000	0.04

Table 2
Summary of Analytical Results - Soil
Semivolatile Organic Compounds (SVOCs)
Department of Sanitation Garage
50 Kent Avenue, Brooklyn, New York

Boring Number	BPB-17	BPB-18	BPB-18	BPB-19	BPB-19D	NYSDEC	NYSDEC	STARS TCLP
Sample ID	BPB-17 21-23	BPB-18 15-17	BPB-18 55-57	BPB-19 19-21	BPB-19D 19-21	Recommended	Soil Cleanup	Alternative
Sample Date	5/25/2006	5/1/2006	5/1/2006	5/22/2006	5/22/2006	Soil Cleanup	Objectives to	Guidance
SDG	60500338	60500024	60500100	60500236	60500236	Objective	Protect GW	Value
Semivolatile Organic Compounds (ug/Kg)								
bis(2-Chloroethyl)ether	<1000000 *	ND	ND	ND	ND	50000	50000	NS
N-Nitrosodimethylamine	<1000000 *	ND	ND	ND	ND	50000	50000	NS
Phenol	<1000000 *	<20000 *	***170 J***	<22000 *	<23000 *	30	30	NS
2-Chlorophenol	<1000000 *	<20000 *	ND	<22000 *	<23000 *	800	800	NS
1,3-Dichlorobenzene	<1000000 *	ND	ND	ND	ND	50000	50000	NS
1,4-Dichlorobenzene	<1000000 *	ND	ND	ND	ND	50000	50000	NS
1,2-Dichlorobenzene	<1000000 *	ND	ND	ND	ND	50000	50000	NS
2,2'-oxybis(1-Chloropropane	<1000000 *	ND	ND	ND	ND	50000	50000	NS
2-Methyl Phenol	<1000000 *	ND	ND	ND	ND	50000	50000	NS
Hexachloroethane	<1000000 *	ND	ND	ND	ND	50000	50000	NS
N-Nitroso-di-n-propylamine	<1000000 *	ND	ND	ND	ND	50000	50000	NS
3&4-Methyl Phenol	<2000000 *	ND	ND	ND	ND	50000	50000	NS
Nitrobenzene	<1000000 *	<20000 *	<420	<22000 *	<23000 *	200	200	NS
Isophorone	<1000000 *	<20000 *	ND	<22000 *	<23000 *	4400	4400	NS
2-Nitrophenol	<1000000 *	<20000 *	<420	<22000 *	<23000 *	330	330	NS
2,4-Dimethylphenol	<1000000 *	ND	ND	ND	ND	50000	50000	NS
bis (2-Chloroethoxy)	<1000000 *	ND	ND	ND	ND	50000	50000	NS
2,4-Dichlorophenol	<1000000 *	<20000 *	<420	<22000 *	<23000 *	400	400	NS
1,2,4-Trichlorobenzene	<1000000 *	ND	ND	ND	ND	50000	50000	NS
Naphthalene	***11000000***	***290000***	3700	***840000***	***450000***	13000	13000	200
4-Chloroanaline	<1000000 *	<20000 *	<420 *	<22000 *	<23000 *	220	220	NS
Hexachlorobutadiene	<1000000 *	ND	ND	ND	ND	50000	50000	NS
4-Chloro-3-methylphenol	<1000000 *	<20000 *	<420 *	<22000 *	<23000 *	240	240	NS
2-Methyl Naphthalene	***3600000***	***140000***	4100	***260000***	***190000***	36400	36400	NS
Hexachlorocyclopentadiene	<1000000 *	ND	ND	ND	ND	50000	50000	NS
2,4,6-Trichlorophenol	<1000000 *	ND	ND	ND	ND	50000	50000	NS
2,4,5-Trichlorophenol	<1000000 *	<20000 *	<420 *	<22000 *	<23000 *	100	100	NS
2-Chloronaphthalene	<1000000 *	ND	ND	ND	ND	50000	50000	NS
2-Nitroaniline	<1000000 *	<20000 *	<420 *	<22000 *	<23000 *	430	430	NS
Acenaphthylene	***3500000***	***110000***	3500	***62000***	41000	50000	103000	NS
Dimethyl Phthalate	<1000000 *	<20000 *	ND	<22000 *	<23000 *	2000	2000	NS
2,6-Dinitrotoluene	<1000000 *	<20000 *	ND	<22000 *	<23000 *	1000	1000	NS
Acenapthene	<1000000 *	7400 J	370 J	***150000***	***110000***	50000	92000	400
3-Nitroaniline	<1000000 *	<20000 *	ND	<22000 *	<23000 *	500	500	NS
2,4-Dinitrophenol	<1000000 *	<20000 *	<420 *	<22000 *	<23000 *	200	200	NS
2,4-Dinitrotoluene	<1000000 *	<20000 *	<420 *	<22000 *	<23000 *	100	100	NS
Dibenzofuran	<1000000 *	<20000 *	160 J	***7900 J***	5400 J	6200	6200	NS
4-Nitrophenol	<1000000 *	<20000 *	<420 *	<22000 *	<23000 *	100	100	NS
Fluorene	***1000000***	33000	1400	**69000**	48000	50000	365000	1000

Table 2
Summary of Analytical Results - Soil
Semivolatile Organic Compounds (SVOCs)
Department of Sanitation Garage
50 Kent Avenue, Brooklyn, New York

Boring Number	BPB-17	BPB-18	BPB-18	BPB-19	BPB-19D	NYSDEC	NYSDEC	STARS TCLP
Sample ID	BPB-17 21-23	BPB-18 15-17	BPB-18 55-57	BPB-19 19-21	BPB-19D 19-21	Recommended	Soil Cleanup	Alternative
Sample Date	5/25/2006	5/1/2006	5/1/2006	5/22/2006	5/22/2006	Soil Cleanup	Objectives to	Guidance
SDG	60500338	60500024	60500100	60500236	60500236	Objective	Protect GW	Value
Semivolatile Organic Compounds (ug/Kg)								
4-Chlorophenyl Phenyl Ether	<1000000 *	ND	ND	ND	ND	50000	50000	NS
Diethyl Phthalate	<1000000 *	<20000 *	ND	<22000 *	<23000 *	7100	7100	NS
4-Nitroaniline	<1000000 *	ND	ND	ND	ND	50000	50000	NS
2-Methyl-4,6-dinitrophenol	<1000000 *	ND	ND	ND	ND	50000	50000	NS
N-Nitrosodiphenylamine	<1000000 *	ND	ND	ND	ND	50000	50000	NS
4-Bromophenyl Phenyl Ether	<1000000 *	ND	ND	ND	ND	50000	50000	NS
Hexachlorobenzene	<1000000 *	<20000 *	<420 *	<22000 *	<23000 *	410	1400	NS
Pentachlorophenol	<1000000 *	<20000 *	ND	<22000 *	<23000 *	1000	1000	NS
Phenanthrene	***1500000***	**73000**	4400	***240000***	***160000***	50000	218000	1000
Anthracene	<1000000 *	ND	1200	**52000**	31000	50000	700000	1000
Carbazole	<1000000 *	ND	ND	ND	ND	50000	50000	NS
Di-n-butylphthalate	<1000000 *	<20000 *	ND	<22000 *	<23000 *	8100	8100	NS
Fluoranthene	<1000000 *	ND	1000	30000	14000 J	50000	1900000	1000
Benzidine	<1000000 *	ND	ND	ND	ND	50000	50000	NS
Pyrene	***790000 J***	33000	1700	***67000***	***50000***	50000	665000	1000
Butyl Benzyl Phthalate	<1000000 *	ND	ND	ND	ND	50000	122000	NS
3,3'-Dichlorbenzidine	<1000000 *	ND	ND	ND	ND	50000	50000	NS
Benzo(a)anthracene	<1000000 *	<20000 *	**530**	***13000 J***	<23000 *	224	2800	0.04
Chrysene	<1000000 *	<20000 *	***450***	***9500 J***	<23000 *	400	400	0.04
bis(2-Ethylhexyl)phthalate	<1000000 *	ND	ND	ND	ND	50000	435000	NS
Di-n-octyl phthalate	<1000000 *	ND	ND	ND	ND	50000	12000	NS
Indeno (1,2,3-cd)Pyrene	<1000000 *	<20000 *	ND	<22000 *	<23000 *	3200	3200	0.04
Benzo(b)fluoranthene	<1000000 *	***4900 J***	**360 J**	***15000 J***	***10000 J***	220	1100	0.04
Benzo(k)fluoranthene	<1000000 *	<20000 *	<420	<22000 *	<23000 *	220	1100	0.04
Benzo(a)pyrene	***210000 J***	**8200 J**	**500**	***24000***	***17000 J***	61	11000	0.04
Dibenzo(a,h)Anthracene	<1000000 *	<20000 *	<420	<22000 *	<23000 *	14.3	1650000	1000
Benzo (g,h,i) perylene	<1000000 *	ND	ND	ND	ND	50000	800000	0.04

Table 2
Summary of Analytical Results - Soil
Semivolatile Organic Compounds (SVOCs)
Department of Sanitation Garage
50 Kent Avenue, Brooklyn, New York

Boring Number Sample ID Sample Date SDG	BPB-19 BPB-19 55-57 5/24/2006 60500338	BPB-20 BPB-20 17-19 5/16/2006 60500236	BPB-21 BPB-21 21-23 5/8/2006 60500100	BPB-21 BPB-21 57-59 5/9/2006 60500179	BPB-22 BPB-22 35-37 6/8/2006 60600130	NYSDEC Recommended Soil Cleanup Objective	NYSDEC Soil Cleanup Objectives to Protect GW	STARS TCLP Alternative Guidance Value
Semivolatile Organic Compounds (ug/Kg)								
bis(2-Chloroethyl)ether	ND	ND	ND	ND	ND	50000	50000	NS
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	50000	50000	NS
Phenol	<220 *	<2200 *	<20000 *	<190 *	<10000 *	30	30	NS
2-Chlorophenol	ND	<2200 *	<20000 *	ND	<10000 *	800	800	NS
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	50000	50000	NS
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	50000	50000	NS
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	50000	50000	NS
2,2'-oxybis(1-Chloropropane	ND	ND	ND	ND	ND	50000	50000	NS
2-Methyl Phenol	ND	ND	ND	ND	ND	50000	50000	NS
Hexachloroethane	ND	ND	ND	ND	ND	50000	50000	NS
N-Nitroso-di-n-propylamine	ND	ND	ND	ND	ND	50000	50000	NS
3&4-Methyl Phenol	ND	ND	ND	ND	ND	50000	50000	NS
Nitrobenzene	<220	<2200	<20000 *	ND	<10000 *	200	200	NS
Isophorone	ND	ND	<20000 *	ND	<10000 *	4400	4400	NS
2-Nitrophenol	ND	<2200 *	<20000 *	ND	<10000 *	330	330	NS
2,4-Dimethylphenol	ND	ND	ND	ND	ND	50000	50000	NS
bis (2-Chloroethoxy)	ND	ND	ND	ND	ND	50000	50000	NS
2,4-Dichlorophenol	ND	<2200 *	<20000 *	ND	<10000 *	400	400	NS
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	50000	50000	NS
Naphthalene	ND	***120000***	***390000***	ND	***2300000***	13000	13000	200
4-Chloroanaline	<220 *	<2200 *	<20000 *	ND	<10000 *	220	220	NS
Hexachlorobutadiene	ND	ND	ND	ND	ND	50000	50000	NS
4-Chloro-3-methylphenol	ND	<2200 *	<20000 *	ND	<10000 *	240	240	NS
2-Methyl Naphthalene	ND	19000	***160000***	ND	***92000***	36400	36400	NS
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	50000	50000	NS
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	50000	50000	NS
2,4,5-Trichlorophenol	<220 *	<2200 *	<20000 *	<190 *	<10000 *	100	100	NS
2-Chloronaphthalene	ND	ND	<20000 *	ND	ND	50000	50000	NS
2-Nitroaniline	ND	<2200 *	<20000 *	ND	<10000 *	430	430	NS
Acenaphthylene	ND	8000	***130000***	ND	**54000**	50000	103000	NS
Dimethyl Phthalate	ND	<2200 *	<20000	ND	<10000 *	2000	2000	NS
2,6-Dinitrotoluene	ND	<2200 *	<20000 *	ND	<10000 *	1000	1000	NS
Acenapthene	ND	12000	8300 J	ND	20000	50000	92000	400
3-Nitroaniline	ND	<2200	<20000 *	ND	<10000 *	500	500	NS
2,4-Dinitrophenol	<220	<2200 *	<20000 *	ND	<10000 *	200	200	NS
2,4-Dinitrotoluene	<220	<2200 *	<20000 *	<190 *	<10000 *	100	100	NS
Dibenzofuran	ND	870 J	4500 J	ND	2400 J	6200	6200	NS
4-Nitrophenol	<220	<2200 *	<20000 *	<190	<10000 *	100	100	NS
Fluorene	ND	7400	42000	ND	21000	50000	365000	1000

Table 2
Summary of Analytical Results - Soil
Semivolatile Organic Compounds (SVOCs)
Department of Sanitation Garage
50 Kent Avenue, Brooklyn, New York

Boring Number Sample ID Sample Date SDG	BPB-19 BPB-19 55-57 5/24/2006 60500338	BPB-20 BPB-20 17-19 5/16/2006 60500236	BPB-21 BPB-21 21-23 5/8/2006 60500100	BPB-21 BPB-21 57-59 5/9/2006 60500179	BPB-22 BPB-22 35-37 6/8/2006 60600130	NYSDEC Recommended Soil Cleanup Objective	NYSDEC Soil Cleanup Objectives to Protect GW	STARS TCLP Alternative Guidance Value
Semivolatile Organic Compounds (ug/Kg)								
4-Chlorophenyl Phenyl Ether	ND	ND	ND	ND	ND	50000	50000	NS
Diethyl Phthalate	ND	ND	<20000 *	ND	<10000 *	7100	7100	NS
4-Nitroaniline	ND	ND	ND	ND	ND	50000	50000	NS
2-Methyl-4,6-dinitrophenol	ND	ND	ND	ND	ND	50000	50000	NS
N-Nitrosodiphenylamine	ND	ND	ND	ND	ND	50000	50000	NS
4-Bromophenyl Phenyl Ether	ND	ND	ND	ND	ND	50000	50000	NS
Hexachlorobenzene	ND	<2200 *	<20000 *	ND	<10000 *	410	1400	NS
Pentachlorophenol	ND	<2200 *	<20000 *	ND	<10000 *	1000	1000	NS
Phenanthrene	ND	26000	**100000**	ND	**68000**	50000	218000	1000
Anthracene	ND	7400	7200 J	ND	8500 J	50000	700000	1000
Carbazole	ND	ND	ND	ND	ND	50000	50000	NS
Di-n-butylphthalate	ND	ND	<20000 *	ND	<10000 *	8100	8100	NS
Fluoranthene	ND	8500	4100 J	ND	8500 J	50000	1900000	1000
Benzidine	ND	ND	ND	ND	ND	50000	50000	NS
Pyrene	ND	8100	39000	ND	19000	50000	665000	1000
Butyl Benzyl Phthalate	ND	ND	ND	ND	ND	50000	122000	NS
3,3'-Dichlorbenzidine	ND	ND	ND	ND	ND	50000	50000	NS
Benzo(a)anthracene	ND	**2300**	<20000 *	ND	<10000 *	224	2800	0.04
Chrysene	ND	***2200***	<20000 *	ND	<10000 *	400	400	0.04
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	50000	435000	NS
Di-n-octyl phthalate	ND	ND	ND	ND	ND	50000	12000	NS
Indeno (1,2,3-cd)Pyrene	ND	ND	<20000 *	ND	<10000 *	3200	3200	0.04
Benzo(b)fluoranthene	<220	***2300***	***6800 J***	ND	***4800 J***	220	1100	0.04
Benzo(k)fluoranthene	<220	<2200 *	<20000 *	ND	<10000 *	220	1100	0.04
Benzo(a)pyrene	<220	**2800**	**10000 J**	<190 *	**7200 J**	61	11000	0.04
Dibenzo(a,h)Anthracene	<220	<2200 *	<20000 *	<190 *	<10000 *	14.3	1650000	1000
Benzo (g,h,i) perylene	ND	ND	ND	ND	ND	50000	800000	0.04

Table 2
Summary of Analytical Results - Soil
Semivolatile Organic Compounds (SVOCs)
Department of Sanitation Garage
50 Kent Avenue, Brooklyn, New York

Boring Number Sample ID Sample Date SDG	BPB-22D BPB-22D 35-37 6/8/2006 60600130	BPB-22 BPB-22 55-57 6/9/2006 60600176	NYSDEC Recommended Soil Cleanup Objective	NYSDEC Soil Cleanup Objectives to Protect GW	STARS TCLP Alternative Guidance Value
Semivolatile Organic Compounds (ug/Kg)					
bis(2-Chloroethyl)ether	ND	ND	50000	50000	NS
N-Nitrosodimethylamine	ND	ND	50000	50000	NS
Phenol	<10000 *	<180 *	30	30	NS
2-Chlorophenol	<10000 *	ND	800	800	NS
1,3-Dichlorobenzene	ND	ND	50000	50000	NS
1,4-Dichlorobenzene	ND	ND	50000	50000	NS
1,2-Dichlorobenzene	ND	ND	50000	50000	NS
2,2'-oxybis(1-Chloropropane	ND	ND	50000	50000	NS
2-Methyl Phenol	ND	ND	50000	50000	NS
Hexachloroethane	ND	ND	50000	50000	NS
N-Nitroso-di-n-propylamine	ND	ND	50000	50000	NS
3&4-Methyl Phenol	ND	ND	50000	50000	NS
Nitrobenzene	<10000 *	ND	200	200	NS
Isophorone	<10000 *	ND	4400	4400	NS
2-Nitrophenol	<10000 *	ND	330	330	NS
2,4-Dimethylphenol	ND	ND	50000	50000	NS
bis (2-Chloroethoxy)	ND	ND	50000	50000	NS
2,4-Dichlorophenol	<10000 *	ND	400	400	NS
1,2,4-Trichlorobenzene	ND	ND	50000	50000	NS
Naphthalene	***180000***	ND	13000	13000	200
4-Chloroanaline	<10000 *	ND	220	220	NS
Hexachlorobutadiene	ND	ND	50000	50000	NS
4-Chloro-3-methylphenol	<10000 *	ND	240	240	NS
2-Methyl Naphthalene	***75000***	ND	36400	36400	NS
Hexachlorocyclopentadiene	ND	ND	50000	50000	NS
2,4,6-Trichlorophenol	ND	ND	50000	50000	NS
2,4,5-Trichlorophenol	<10000 *	<180	100	100	NS
2-Chloronaphthalene	ND	ND	50000	50000	NS
2-Nitroaniline	<10000 *	ND	430	430	NS
Acenaphthylene	37000	ND	50000	103000	NS
Dimethyl Phthalate	<10000 *	ND	2000	2000	NS
2,6-Dinitrotoluene	<10000 *	ND	1000	1000	NS
Acenapthene	20000	ND	50000	92000	400
3-Nitroaniline	<10000 *	ND	500	500	NS
2,4-Dinitrophenol	<10000 *	ND	200	200	NS
2,4-Dinitrotoluene	<10000 *	<180	100	100	NS
Dibenzofuran	<10000 *	ND	6200	6200	NS
4-Nitrophenol	<10000 *	<180	100	100	NS
Fluorene	17000	ND	50000	365000	1000

Table 2
Summary of Analytical Results - Soil
Semivolatile Organic Compounds (SVOCs)
Department of Sanitation Garage
50 Kent Avenue, Brooklyn, New York

Boring Number Sample ID Sample Date SDG	BPB-22D BPB-22D 35-37 6/8/2006 60600130		BPB-22 BPB-22 55-57 6/9/2006 60600176	NYSDEC Recommended Soil Cleanup Objective	NYSDEC Soil Cleanup Objectives to Protect GW	STARS TCLP Alternative Guidance Value
Semivolatile Organic Compounds (ug/Kg)						
4-Chlorophenyl Phenyl Ether	ND		ND	50000	50000	NS
Diethyl Phthalate	<10000	*	ND	7100	7100	NS
4-Nitroaniline	ND		ND	50000	50000	NS
2-Methyl-4,6-dinitrophenol	ND		ND	50000	50000	NS
N-Nitrosodiphenylamine	ND		ND	50000	50000	NS
4-Bromophenyl Phenyl Ether	ND		ND	50000	50000	NS
Hexachlorobenzene	<10000	*	ND	410	1400	NS
Pentachlorophenol	<10000	*	ND	1000	1000	NS
Phenanthrene	**54000**		ND	50000	218000	1000
Anthracene	5800	J	ND	50000	700000	1000
Carbazole	ND		ND	50000	50000	NS
Di-n-butylphthalate	<10000	*	ND	8100	8100	NS
Fluoranthene	3300	J	ND	50000	1900000	1000
Benzidine	ND		ND	50000	50000	NS
Pyrene	ND		ND	50000	665000	1000
Butyl Benzyl Phthalate	ND		ND	50000	122000	NS
3,3'-Dichlorbenzidine	ND		ND	50000	50000	NS
Benzo(a)anthracene	<10000	*	ND	224	2800	0.04
Chrysene	<10000	*	ND	400	400	0.04
bis(2-Ethylhexyl)phthalate	ND		ND	50000	435000	NS
Di-n-octyl phthalate	ND		ND	50000	12000	NS
Indeno (1,2,3-cd)Pyrene	<10000	*	ND	3200	3200	0.04
Benzo(b)fluoranthene	***4200***	***J***	ND	220	1100	0.04
Benzo(k)fluoranthene	<10000	*	ND	220	1100	0.04
Benzo(a)pyrene	**6000**	**J**	<180	61	11000	0.04
Dibenzo(a,h)Anthracene	<10000	*	<180	14.3	1650000	1000
Benzo (g,h,i) perylene	ND		ND	50000	800000	0.04

Notes:
(1) Bold - Indicates value that exceeded the NYSDEC Recommended Soil Cleanup Objectives.
(2) Italic - Indicates value that exceeded the NYSDEC Soil Cleanup Objectives to Protect GW.
(3) Shaded - Indicates value that exceeded the STARS TCLP Alternative Guidance Value.
(4) * -MDL exceeds the NYSDEC Recommended Soil Cleanup Objectives.
(5) NS - No Standard.
(6) ND - Not Detected above laboratory method detection limit.
(7) I - Internal standard recovery was outside of method limits. Matrix interference was confirmed by re-analysis.
(8) J - Indicates an estimated value.

Table 3
Summary of Analytical Results - Soil
Target Analyte List Metals
Department of Sanitation Garage
50 Kent Avenue, Brooklyn, New York

Boring Number	BPB-10		BPB-10		BPB-11		BPB-11		BPB-12		BPB-12		NYSDEC	NYSDEC
Sample ID	BPB-10 9-11		BPB-10 55-57		BPB-11 7-9		BPB-11 55-57		BPB-12 7-9		BPB-12 49-51		Recommended	Eastern USA
Sample Date	4/28/2006		4/28/2006		4/25/2006		5/3/2006		4/27/2006		4/27/2006		Soil Cleanup	Background
SDG	60500024		60500024		60500024		60500100		60500024		60500024		Objective	Criteria
TAL Metals (mg/Kg)														
Antimony	ND		ND		ND		ND		ND		ND		SB	NS
Aluminum	10500		17300		9160		3240		6550		2450		SB	33000
Arsenic	5.00		ND		2.02		3.61		ND		ND		7.5	3 - 12
Barium	53.9		135		62.7		44.7		48.3		13.3		300	15 - 600
Beryllium	**0.399**		**1.09**		**0.454**		**0.353**		**0.357**		<0.301		0.16	0 - 1.75
Cadmium	ND		ND		ND		ND		ND		ND		1	0.1 - 1
Chromium	**20.6**		**37.5**		**19.8**		**26.4**		**13.0**		**10.6**		10	1.5 - 40
Calcium	22500		2720		12600		1030		6730		728		SB	130 - 35000
Iron	**23100**	**B1**	**36000**	**B1**	**21900**	**B1**	**24800**	**B1**	**16000**	**B1**	**11700**	**B1**	2000	2000 - 550000
Cobalt	8.31		14.9		8.11		ND		5.46		ND		30	2.5 - 60
Copper	***73.7***		**36.3**		**38.6**		21.2		24.1		12.1		25	1 - 50
Lead	113		16.5		269		12.3		20.1		3.96		SB*	500
Magnesium	4780		*6460*		3460		356		2200		1050		SB	100 - 5000
Manganese	337		657		257		<0.0150	B7	438		115		SB	50 - 50000
Mercury	***0.305***		ND		0.0942		ND		ND		ND		0.1	0.001 - 0.2
Nickel	**15.0**		***29.2***		**16.4**		6.56		**11.7**		8.84		13	0.5 - 25
Vanadium	30.6		44.6		30.7		48.8		21.4		16.1		150	1 - 300
Selenium	<2.25	*	<2.43	*	<2.38	*	<2.19	*	<2.06	*	<2.00	*	2	0.1 - 3.9
Potassium	1500		3590		1640		1170		1100		469		SB	8500 - 43000
Silver	ND		ND		ND		ND		ND		ND		SB	NS
Sodium	1010		328		784		<164		1200		ND		SB	6000 - 8000
Thallium	ND		ND		ND		ND		ND		ND		SB	NS
Zinc	***145***		***66.9***		***87.0***		7.67		**29.8**		19.0		20	9 - 50
Total Cyanide	9.5		ND		0.73		ND		5.0		ND		SB	NS

Table 3
Summary of Analytical Results - Soil
Target Analyte List Metals
Department of Sanitation Garage
50 Kent Avenue, Brooklyn, New York

Boring Number	BPB-12		BPB-13		BPB-13		BPB-14		BPB-14		BPB-15		NYSDEC	NYSDEC
Sample ID	BPB-12 58-60		BPB-13 11-13		BPB-13 50-52		BPB-14 19-21		BPB-14 57-59		BPB-15 15-17		Recommended	Eastern USA
Sample Date	4/27/2006		6/1/2006		6/6/2006		5/5/2006		5/8/2006		5/10/2006		Soil Cleanup	Background
SDG	60500024		60600072		60600130		60500100		60500100		60500179		Objective	Criteria
TAL Metals (mg/Kg)														
Antimony	ND		ND		ND		ND		ND		ND		SB	NS
Aluminum	3570		9320		2190		6130		6760		7340		SB	33000
Arsenic	2.82		2.39		ND		2.27		2.66		2.84		7.5	3 - 12
Barium	43.2		43.3		12.0		40.6		65.5		30.5		300	15 - 600
Beryllium	**0.732**		**0.436**		ND		ND		**0.506**		**0.420**		0.16	0 - 1.75
Cadmium	ND		ND		ND		ND		ND		ND		1	0.1 - 1
Chromium	**29.0**		**17.3**		6.80		**17.9**		**11.9**		**19.1**		10	1.5 - 40
Calcium	1290		993		747		1030		1120		1440		SB	130 - 35000
Iron	**56700**	**B1**	**17800**	**B1**	**13500**	**B1**	**16500**	**B1**	**6960**	**B1**	**19800**	**B1**	2000	2000 - 550000
Cobalt	ND		7.01		ND		6.12		ND		7.91		30	2.5 - 60
Copper	**32.1**		18.2		9.93		15.7		19.7		**27.3**		25	1 - 50
Lead	16.1		11.7		ND		5.11		11.6		7.54		SB*	500
Magnesium	442		2250		1040		2270	B1	1210		3040		SB	100 - 5000
Manganese	26.6		243		547		221	B1	61.7	B1	246		SB	50 - 50000
Mercury	ND		ND		ND		ND		ND		ND		0.1	0.001 - 0.2
Nickel	6.15		**13.0**		6.99		**15.1**		7.50		**14.7**		13	0.5 - 25
Vanadium	46.8		24.9		10.7		26.3		10.4		31.0		150	1 - 300
Selenium	<2.49	*	<2.46	*	**2.00**		<2.34	*	<2.40	*	<2.23	*	2	0.1 - 3.9
Potassium	910		1050		425		1640		980		1880		SB	8500 - 43000
Silver	ND		ND		ND		ND		ND		ND		SB	NS
Sodium	ND		374		187		439		ND		1150		SB	6000 - 8000
Thallium	ND		ND		ND		3.20		ND		ND		SB	NS
Zinc	**29.4**		**31.7**		14.0		**30.5**		**30.0**		**34.7**		20	9 - 50
Total Cyanide	ND		ND		ND		33		ND		ND		SB	NS

Table 3
Summary of Analytical Results - Soil
Target Analyte List Metals
Department of Sanitation Garage
50 Kent Avenue, Brooklyn, New York

Boring Number	BPB-15		BPB-16		BPB-16		BPB-17		BPB-18		BPB-18		NYSDEC	NYSDEC
Sample ID	BPB-15 59-61		BPB-16 21-23		BPB-16 55-57		BPB-17 21-23		BPB-18 15-17		BPB-18 55-57		Recommended	Eastern USA
Sample Date	5/11/2006		5/26/2006		5/31/2006		5/25/2006		5/1/2006		5/1/2006		Soil Cleanup	Background
SDG	60500179		60500338		60600072		60500338		60500024		60500100		Objective	Criteria
TAL Metals (mg/Kg)														
Antimony	<2.44	M2	ND		ND		ND		ND		ND		SB	NS
Aluminum	5010	MHA	4440		5220		1740		5140		14900		SB	33000
Arsenic	1.98		ND		3.03		4.96		ND		3.53		7.5	3 - 12
Barium	44.2		55.5		51.1		171		31.1		99.0		300	15 - 600
Beryllium	**0.665**		<0.390	*	**0.652**		<0.314	*	<0.370	*	**0.725**		0.16	0 - 1.75
Cadmium	ND		ND		ND		ND		ND		ND		1	0.1 - 1
Chromium	**19.1**		**14.3**		**16.7**		3.46		**14.1**		**32.6**		10	1.5 - 40
Calcium	1140		1230		1150		6970		1520		2190		SB	130 - 35000
Iron	**24600**	**B1,MHA**	**21200**	**B1**	**35600**	**B1**	**4110**	**B1**	**16900**	**B1**	**31800**	**B1**	2000	2000 - 550000
Cobalt	7.59		ND		8.51		ND		ND		11.7		30	2.5 - 60
Copper	**25.4**		14.2		24.4		**28.5**		14.7		**30.0**		25	1 - 50
Lead	13.0		4.54		11.5		478		6.87		13.9		SB*	500
Magnesium	457		2530		725		2840		2270		4670		SB	100 - 5000
Manganese	34.5		346		148		131		262		609	B1	SB	50 - 50000
Mercury	ND		ND		ND		**0.133**		ND		ND		0.1	0.001 - 0.2
Nickel	9.45		12.6		11.6		ND		11.5		**22.7**		13	0.5 - 25
Vanadium	35.5		18.6		27.9		ND		19.7		41.6		150	1 - 300
Selenium	<2.44	*	<2.60	*	<2.26	*	**2.70**		<2.46	*	<2.50	*	2	0.1 - 3.9
Potassium	929		1020		1050		400		1030		2610		SB	8500 - 43000
Silver	ND		ND		0.617		ND		ND		ND		SB	NS
Sodium	ND		359		ND		575		984		353		SB	6000 - 8000
Thallium	ND		ND		ND		ND		ND		ND		SB	NS
Zinc	15.4		**27.3**		**40.6**		***124***		**29.1**		***57.5***		20	9 - 50
Total Cyanide	ND		ND		ND		7.6		5.6		ND		SB	NS

Table 3
Summary of Analytical Results - Soil
Target Analyte List Metals
Department of Sanitation Garage
50 Kent Avenue, Brooklyn, New York

Boring Number	BPB-19		BPB-19D		BPB-19		BPB-20		BPB-21		BPB-21		NYSDEC	NYSDEC
Sample ID	BPB-19 19-21		BPB-19D 19-21		BPB-19 55-57		BPB-20 17-19		BPB-21 21-23		BPB-21 57-59		Recommended	Eastern USA
Sample Date	5/22/2006		5/22/2006		5/24/2006		5/16/2006		5/8/2006		5/9/2006		Soil Cleanup	Background
SDG	60500236		60500236		60500338		60500236		60500100		60500179		Objective	Criteria
TAL Metals (mg/Kg)														
Antimony	ND		<2.75	M2	ND		ND		<1.97	M2	ND		SB	NS
Aluminum	5340		5800	MHA	9770		5640		5590	M2	7470		SB	33000
Arsenic	ND		ND		3.65		***54.2***		1.95		1.43		7.5	3 - 12
Barium	33.0		42.0		68.4		118		130	M2	56.3		300	15 - 600
Beryllium	<0.392	*	<0.412	*	**0.603**		<0.323	*	<0.295	*	0.585	*	0.16	0 - 1.75
Cadmium	ND		ND		ND		0.542		ND		ND		1	0.1 - 1
Chromium	**14.1**		**16.1**		**24.8**		**12.4**		**13.7**		**14.3**		10	1.5 - 40
Calcium	1360		1630		1780		20800		6730	M2	1110		SB	130 - 35000
Iron	**18800**		**22000**	**MHA**	**26600**	**B1**	**16400**		**23400**	**B1,M1**	**7330**	**B1**	2000	2000 - 550000
Cobalt	ND		ND		13.1		ND		6.11		ND		30	2.5 - 60
Copper	18.4		20.5		19.3		21.8		15.9		19.1		25	1 - 50
Lead	4.86		5.47		10.6		229		6.37		16.3		SB*	500
Magnesium	2070		2260		3200		3470		5540	M2	1130		SB	100 - 5000
Manganese	621		699	MHA	772		160		370	B1,M2	52.5		SB	50 - 50000
Mercury	ND		ND		ND		***0.433***	***M1***	ND		ND		0.1	0.001 - 0.2
Nickel	**11.8**		**13.0**		**20.7**		**18.1**		10.4		7.79		13	0.5 - 25
Vanadium	19.6		24.5		33.2		15.0		23.2		14.4		150	1 - 300
Selenium	<2.61	*	<2.75	*	<2.45	*	<2.15	*	ND		<2.04	*	2	0.1 - 3.9
Potassium	1060		1360		1720		657		1420		941		SB	8500 - 43000
Silver	ND		ND		ND		ND		ND		ND		SB	NS
Sodium	1430		1130		282		2010		286		163		SB	6000 - 8000
Thallium	ND		ND		ND		ND		2.45		ND		SB	NS
Zinc	**27.8**		**38.5**		**48.3**		***203***		**33.1**		**46.7**		20	9 - 50
Total Cyanide	ND		ND		ND		ND		ND		ND		SB	NS

Table 3
Summary of Analytical Results - Soil
Target Analyte List Metals
Department of Sanitation Garage
50 Kent Avenue, Brooklyn, New York

Boring Number Sample ID Sample Date SDG	BPB-22 BPB-22 35-37 6/8/2006 60600130		BPB-22D BPB-22D 35-37 6/8/2006 60600130		BPB-22 BPB-22 55-57 6/9/2006 60600176		NYSDEC Recommended Soil Cleanup Objective	NYSDEC Eastern USA Background Criteria
TAL Metals (mg/Kg)								
Antimony	ND		ND		ND		SB	NS
Aluminum	2530		2360		3490		SB	33000
Arsenic	ND		0.694		2.21		7.5	3 - 12
Barium	21.3		19.8		38.7		300	15 - 600
Beryllium	<0.286	*	<0.206	*	**0.473**		0.16	0 - 1.75
Cadmium	ND		ND		ND		1	0.1 - 1
Chromium	**11.1**		**10.2**		**13.1**		10	1.5 - 40
Calcium	619		614		1040		SB	130 - 35000
Iron	**7840**	**B1**	**7220**	**B1**	**25800**	**B1**	2000	2000 - 550000
Cobalt	6.80		8.01		4.03		30	2.5 - 60
Copper	13.1		11.0		17.4		25	1 - 50
Lead	5.29		4.74		8.91		SB*	500
Magnesium	962		907		532		SB	100 - 5000
Manganese	48.0		44.8		116		SB	50 - 50000
Mercury	ND		ND		ND		0.1	0.001 - 0.2
Nickel	9.43		9.19		7.39		13	0.5 - 25
Vanadium	15.2		16.5		24.2		150	1 - 300
Selenium	ND		ND		ND		2	0.1 - 3.9
Potassium	740		617		567		SB	8500 - 43000
Silver	ND		ND		ND		SB	NS
Sodium	ND		ND		123		SB	6000 - 8000
Thallium	ND		ND		ND		SB	NS
Zinc	**20.7**		19.1		**21.2**		20	9 - 50
Total Cyanide	4.9		4.2		ND		SB	NS

Notes:
(1) Bold - Indicates value that exceeded the NYSDEC Recommended Soil Cleanup Objectives
(2) Italic - Indicates value that exceeded the NYSDEC Eastern USA Background Criteria.
(3) ND - Not Detected above laboratory method detection limit.
(4) NS - No Standard.
(5) SB - Site Background.
(6) B1 - Analyte was detected in the associated method blank. Analyte concentration in the sample is greater than 10x the concentration found in method blank.
(7) B7 - Analyte was detected in the associated method blank. Analytte not detected in sample, data not impacted.
(8) M1 - The MS and/or MSD were above the acceptance limits due to sample mattrix interference.
(9) M2 - The MS and/or MSD were below the acceptance limits due to sample matrix interference.
(10) MHA - Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery
(11) * - MDL exceeded the NYSDEC Recommended Soil Cleanup Objectives.

Table 4
Summary of Analytical Results - Groundwater
Volatile Organic Compounds
Department of Sanitation Garage
50 Kent Avenue, Brooklyn, New York

Monitoring Well	MW-4		MW-5		MW-6		MW-7		MW-7X		NYSDEC
Screen Depth (ft)	5-15		2-12		5-15		5-15		Unknown		TOGS
Sample Date	7/21/2006		7/20/2006		7/21/2006		7/24/2006		7/24/2006		Groundwater
Lab Idenification Number	60700210		60700195		60700210		60700226		60700226		Criteria
Volatile Organic Compounds (ug/Kg)											
Dichlorodifluoromethane	<500	*	<5.0	*	<500	*	<50	*	<5.0	*	5
Vinyl Chloride	**120**	**J**	<5.0	*	<500	*	<50	*	<5.0	*	2
Bromomethane	<500	*	<5.0	*	<500	*	<50	*	<5.0	*	5
Chloroethane	<500	*	<5.0	*	<500	*	<50	*	<5.0	*	5
Trichlorofluoromethane	<500	*	<5.0	*	<500	*	<50	*	<5.0	*	5
Acrolein	<2500	*	<25	*	<2500	*	<250	*	<25	*	5
Acetone	<2500	*	**370**		<2500	*	**120**	**J**	<25	*	50
Carbon Disulfide	<2500	*	40		<2500	*	<250	*	ND		60
Methylene Chloride	<500	*	<5.0	*	<500	*	<50	*	<5.0	*	5
Acrylonitrile	<2500	*	<25	*	<2500	*	<250	*	<25	*	5
Methyl-Tert-Butyl-Ether	<500	*	2	J	<500	*	<50	*	ND		10
1,1-Dichloroethane	<500	*	<5.0	*	<500	*	<50	*	<5.0	*	5
2-Butanone-(MEK)	<2500	*	**61**		<2500	*	<250	*	ND		50
2,2-Dichloropropane	<500	*	<5.0	*	<500	*	<50	*	<5.0	*	5
cis-1,2-Dichloroethylene	110	J	<5.0	*	<500	*	<50	*	<5.0	*	5
Chloroform	<500	*	<5.0	*	<500	*	<50	*	ND		7
Bromochloromethane	<500	*	<5.0	*	<500	*	<50	*	<5.0	*	5
1,1,1-Trichloroethane	<500	*	<5.0	*	<500	*	<50	*	<5.0	*	5
1,1-Dichloropropene	<500	*	<5.0	*	<500	*	<50	*	<5.0	*	5
Carbon Tetrachloride	<500	*	<5.0	*	<500	*	<50	*	<5.0	*	5
Benzene	**57000**		**3700**		**4000**		**9600**		**13**		1
1,2-Dichloroethane	<500	*	<5.0	*	<500	*	<50	*	<5.0	*	5
1,2-Dichloropropane	<500	*	<5.0	*	<500	*	<50	*	<5.0	*	1
cis-1,3-Dichloropropene	<500	*	ND		ND		ND		ND		NS
Toluene	**26000**		**1400**		**4500**		**10000**		1	J	74
Bromodichloromethane	<500	*	ND		<500	*	<50	*	<5.0	*	50
Dibromomethane	<500	*	<5.0	*	<500	*	<50	*	<5.0	*	5
1,1,2-Trichloroethane	<500	*	<5.0	*	<500	*	<50	*	<5.0	*	1
2-Hexanone	<2500	*	6	J	<2500	*	<250	*	ND		50
1,3-Dichloropropane	<500	*	<5.0	*	<500	*	<50	*	<5.0	*	5
Dibromochloromethane	<500	*	ND		<500	*	<50	*	ND		50
Chlorobenzene	<500	*	<5.0	*	<500	*	<50	*	<5.0	*	5
1,1,1,2-Tetrachloroethane	<500	*	<5.0	*	<500	*	<50	*	<5.0	*	5
Ethylbenzene	**5200**		**1000**		**2700**		**1200**		**16**		5
M&P-Xylene	**4300**		**830**		**2400**		**3300**		3	J	10
O-Xylene	**2000**		**560**		**1100**		**1700**		2	J	5

Table 4
Summary of Analytical Results - Groundwater
Volatile Organic Compounds
Department of Sanitation Garage
50 Kent Avenue, Brooklyn, New York

Monitoring Well	MW-4		MW-5		MW-6		MW-7		MW-7X		NYSDEC
Screen Depth (ft)	5-15		2-12		5-15		5-15		Unknown		TOGS
Sample Date	7/21/2006		7/20/2006		7/21/2006		7/24/2006		7/24/2006		Groundwater
Lab Idenification Number	60700210		60700195		60700210		60700226		60700226		Criteria
Volatile Organic Compounds (ug/Kg)											
Styrene	**670**		**170**	**J**	**1200**		**3400**		<5.0	*	5
Bromoform	<500	*	ND		<500	*	<50	*	ND		50
Isopropylbenzene	<500	*	**33**		<500	*	**15**	**J**	3	J	5
1,1,2,2-Tetrachloroethane	<500	*	<5.0	*	<500	*	<50	*	<5.0	*	5
1,2,3-Trichloropropane	<500	*	<5.0	*	<500	*	<50	*	<5.0	*	0.04
n-Propylbenzene	<500	*	**9**		<500	*	**30**	**J**	1	J	5
trans-1,4-Dichloro-2-butene	<2500	*	<25	*	<2500	*	<250	*	<25	*	5
Bromobenzene	<500	*	<5.0	*	<500	*	<50	*	<5.0	*	5
2-Chlorotoluene	<500	*	<5.0	*	<500	*	<50	*	<5.0	*	5
1,3,5-Trimethylbenzene	**180**	**J**	**58**		**150**	**J**	**210**		<5.0	*	5
4-Chlorotoluene	<500	*	<5.0	*	<500	*	<50	*	<5.0	*	5
tert-Butylbenzene	<500	*	<5.0	*	<500	*	<50	*	<5.0	*	5
1,2,4-Trimethylbenzene	**760**		**180**		**660**		**820**		<5.0	*	5
sec-Butylbenzene	<500	*	<5.0	*	<500	*	<50	*	<5.0	*	5
4-Isopropyltoluene	<500	*	**5**	**J**	<500	*	<50	*	<5.0	*	5
1,3-Dichlorobenzene	<500	*	<5.0	*	<500	*	<50	*	<5.0	*	3
1,4-Dichlorobenzene	<500	*	<5.0	*	<500	*	<50	*	<5.0	*	3
n-Butylbenzene	<500	*	<5.0	*	<500	*	<50	*	<5.0	*	5
1,2-Dichlorobenzene	<500	*	<5.0	*	<500	*	<50	*	<5.0	*	3
1,2-Dibromo-3-Chloropropane	<500	*	<5.0	*	<500	*	<50	*	<5.0	*	0.04
Hexachlorobutadiene	<500	*	<5.0	*	<500	*	<50	*	<5.0	*	0.5
Naphthalene	**15000**		**2700**		**13000**		**17000**		**73**		10

Table 4
Summary of Analytical Results - Groundwater
Volatile Organic Compounds
Department of Sanitation Garage
50 Kent Avenue, Brooklyn, New York

Monitoring Well	MW-8		MW-8X		MW-8XD		NYSDEC
Screen Depth (ft)	5-15		Unknown		Unknown		TOGS
Sample Date	7/24/2006		7/24/2006		7/24/2006		Groundwater
Lab Idenification Number	60700226		60700226		60700226		Criteria
Volatile Organic Compounds (ug/Kg)							
Dichlorodifluoromethane	<50	*	<5.0	*	<5.0	*	5
Vinyl Chloride	<50	*	<5.0	*	<5.0	*	2
Bromomethane	<50	*	<5.0	*	<5.0	*	5
Chloroethane	<50	*	<5.0	*	<5.0	*	5
Trichlorofluoromethane	<50	*	<5.0	*	<5.0	*	5
Acrolein	<250	*	<25	*	<25	*	5
Acetone	**75**	**J**	2	J	<25		50
Carbon Disulfide	<250	*	ND		ND		60
Methylene Chloride	<50	*	<5.0	*	<5.0	*	5
Acrylonitrile	<250	*	<25	*	<25	*	5
Methyl-Tert-Butyl-Ether	<50	*	ND		ND		10
1,1-Dichloroethane	<50	*	<5.0	*	<5.0	*	5
2-Butanone-(MEK)	<250	*	ND		ND		50
2,2-Dichloropropane	<50	*	<5.0	*	<5.0	*	5
cis-1,2-Dichloroethylene	<50	*	<5.0	*	<5.0	*	5
Chloroform	<50	*	ND		ND		7
Bromochloromethane	<50	*	<5.0	*	<5.0	*	5
1,1,1-Trichloroethane	<50	*	<5.0	*	<5.0	*	5
1,1-Dichloropropene	<50	*	<5.0	*	<5.0	*	5
Carbon Tetrachloride	<50	*	<5.0	*	<5.0	*	5
Benzene	**10000**		**3**	**J**	**3**	**J**	1
1,2-Dichloroethane	<50	*	<5.0	*	<5.0	*	5
1,2-Dichloropropane	<50	*	<5.0	*	<5.0	*	1
cis-1,3-Dichloropropene	ND		ND		ND		NS
Toluene	**1200**		3	J	3	J	74
Bromodichloromethane	<50	*	ND		ND		50
Dibromomethane	<50	*	<5.0	*	<5.0	*	5
1,1,2-Trichloroethane	<50	*	<5.0	*	<5.0	*	1
2-Hexanone	<250	*	ND		ND		50
1,3-Dichloropropane	<50	*	<5.0	*	<5.0	*	5
Dibromochloromethane	<50	*	ND		ND		50
Chlorobenzene	<50	*	<5.0	*	<5.0	*	5
1,1,1,2-Tetrachloroethane	<50	*	<5.0	*	<5.0	*	5
Ethylbenzene	**7300**		<5.0	*	<5.0	*	5
M&P-Xylene	**3700**		1	J	1	J	10
O-Xylene	**2200**		<5.0	*	<5.0	*	5

Table 4
Summary of Analytical Results - Groundwater
Volatile Organic Compounds
Department of Sanitation Garage
50 Kent Avenue, Brooklyn, New York

Monitoring Well	MW-8		MW-8X		MW-8XD		NYSDEC
Screen Depth (ft)	5-15		Unknown		Unknown		TOGS
Sample Date	7/24/2006		7/24/2006		7/24/2006		Groundwater
Lab Idenification Number	60700226		60700226		60700226		Criteria
Volatile Organic Compounds (ug/Kg)							
Styrene	<50	*	<5.0	*	<5.0	*	5
Bromoform	<50	*	<5.0	*	<5.0	*	50
Isopropylbenzene	**250**		<5.0	*	<5.0	*	5
1,1,2,2-Tetrachloroethane	<50	*	<5.0	*	<5.0	*	5
1,2,3-Trichloropropane	<50	*	<5.0	*	<5.0	*	0.04
n-Propylbenzene	**56**		<5.0	*	<5.0	*	5
trans-1,4-Dichloro-2-butene	<250	*	<25	*	<25	*	5
Bromobenzene	<50	*	<5.0	*	<5.0	*	5
2-Chlorotoluene	<50	*	<5.0	*	<5.0	*	5
1,3,5-Trimethylbenzene	**260**		<5.0	*	<5.0	*	5
4-Chlorotoluene	<50	*	<5.0	*	<5.0	*	5
tert-Butylbenzene	<50	*	<5.0	*	<5.0	*	5
1,2,4-Trimethylbenzene	**1200**		<5.0	*	<5.0	*	5
sec-Butylbenzene	<50	*	<5.0	*	<5.0	*	5
4-Isopropyltoluene	**19**	**J**	<5.0	*	<5.0	*	5
1,3-Dichlorobenzene	<50	*	<5.0	*	<5.0	*	3
1,4-Dichlorobenzene	<50	*	<5.0	*	<5.0	*	3
n-Butylbenzene	<50	*	<5.0	*	<5.0	*	5
1,2-Dichlorobenzene	<50	*	<5.0	*	<5.0	*	3
1,2-Dibromo-3-Chloropropane	<50	*	<5.0	*	<5.0	*	0.04
Hexachlorobutadiene	<50	*	<5.0	*	<5.0	*	0.5
Naphthalene	**14000**		7		6		10

Notes:
(1) Bold - Indicates value that exceeded the NYSDEC TOGS Groundwater Criteria.
(2) ND - Not Detected above laboratory method detection limit.
(3) NS - No Standard.
(4) B - Indicates the analyte was found in the blank.
(5) J - Indicates an estimated value.
(6) E - Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.
(7) * - MDL exceeds the NYSDEC TOGS 1.1.1 Groundwater Criteria.

Table 5
Summary of Analytical Results - Groundwater
Semivolatile Organic Compounds
Department of Sanitation Garage
50 Kent Avenue, Brooklyn, New York

Monitoring Well	MW-4		MW-5		MW-6		MW-7		MW-7X		NYSDEC
Screen Depth (ft)	5-15		2-12		5-15		5-15		Unknown		TOGS
Sample Date	7/21/2006		7/20/2006		7/21/2006		7/24/2006		7/24/2006		Groundwater
Lab Idenification Number	60700210		60700195		60700210		60700226		60700226		Criteria
Semivolatile Organic Compounds (ug/Kg)											
N-Nitrosodimethylamine	<2500	*	<50	*	<100	*	ND		ND		50
Aniline	<2500	*	<50	*	<100	*	<5.0	*	<5.0	*	5
bis(2-Chloroethyl)ether	<2500	*	<50	*	<100	*	<5.0	*	<5.0	*	1
Phenol	<2500	*	**26**	**J**	<100	*	**34**		<5.0	*	0.001
1,3-Dichlorobenzene	<2500	*	<50	*	<100	*	<5.0	*	<5.0	*	3
1,4-Dichlorobenzene	<2500	*	<50	*	<100	*	<5.0	*	<5.0	*	3
1,2-Dichlorobenzene	<2500	*	<50	*	<100	*	<5.0	*	<5.0	*	2
2-Methyl Phenol	ND		18	J	23	J	ND		ND		NS
Hexachloroethane	<2500	*	<50		<100		<5.0	*	<5.0	*	5
3&4-Methyl Phenol	ND		26	J	ND		66		ND		NS
Nitrobenzene	<2500	*	<50	*	<100	*	<5.0	I	<5.0	*	0.4
Isophorone	<2500	*	<50	*	<100	*	<5.0	I	<5.0	*	50
2,4-Dimethylphenol	ND		ND		ND		<5.0	I*	ND		50
bis(2-Chloroethoxy)methane	<2500	*	<50	*	<100	*	<5.0	I*	<5.0	*	5
2,4-Dichlorophenol	<2500	*	<50	*	<100	*	<5.0	I*	<5.0	*	5
Naphthalene	**120000**		**1900**		**8000**		**10000**	**B,I**	1	J,B	10
4-Chloroaniline	<2500	*	<50	*	<100	*	<5.0	I*	<5.0	*	5
Hexachlorobutadiene	<2500	*	<50	*	<100	*	<5.0	I	<5.0	*	0.5
2-Methylnaphthalene	47000		310		1300		1100	I	ND		NS
Hexachlorocyclopentadiene	<2500	*	<50	*	<100	*	<5.0	*	<5.0	*	5
2-Chloronaphthalene	<2500	*	<50	*	<100	*	<5.0	*	<5.0	*	10
2-Nitroaniline	<2500	*	<50	*	<100	*	<5.0	*	<5.0	*	5
Acenaphthylene	36000		47	J	720		610		ND		20
Dimethyl Phthalate	<2500	*	<50	*	<100	*	<5.0	*	<5.0	*	50
2,6-Dinitrotoluene	<2500	*	<50	*	<100	*	<5.0	*	<5.0	*	5
Acenaphthene	**2400**	**J**	**78**		**89**	**J**	**24**		8		20
3-Nitroaniline	<2500	*	<50	*	<100	*	<5.0	*	<5.0	*	5
2,4-Dinitrophenol	<2500	*	<50	*	<100	*	<5.0	*	<5.0	*	10
Dibenzofuran	1400	J	<50		<100		15		2	J	NS
2,4-Dinitrotoluene	<2500	*	<50	*	<100	*	<5.0	*	<5.0	*	5
Fluorene	**12000**		28	J	**150**		**97**		<5.0		50
Diethyl Phthalate	<2500	*	<50	*	<100	*	ND		2	J,B	50
4-Nitroaniline	<2500	*	<50	*	<100	*	<5.0	*	<5.0	*	5
N-Nitrosodiphenylamine	ND		ND		ND		ND		ND		50

Table 5
Summary of Analytical Results - Groundwater
Semivolatile Organic Compounds
Department of Sanitation Garage
50 Kent Avenue, Brooklyn, New York

Monitoring Well	MW-4		MW-5		MW-6		MW-7		MW-7X		NYSDEC
Screen Depth (ft)	5-15		2-12		5-15		5-15		Unknown		TOGS
Sample Date	7/21/2006		7/20/2006		7/21/2006		7/24/2006		7/24/2006		Groundwater
Lab Idenification Number	60700210		60700195		60700210		60700226		60700226		Criteria
Semivolatile Organic Compounds (ug/Kg)											
Hexachlorobenzene	<2500	*	<50	*	<100	*	<5.0	I*	<5.0	*	0.04
Pentachlorophenol	ND		<50		ND		8	I	ND		NS
Phenanthrene	**30000**		31	J	**270**		**99**	**I**	3	J	50
Anthracene	**9400**		<50	*	**76**	**J**	34	I	ND		50
Carbazole	ND		17	J	33	J	25	I	2	J	NS
Di-n-butylphthalate	<2500	*	<50		<100	*	<5.0	I*	ND		50
Fluoranthene	8700		<50	*	**54**	**J**	21	I	ND		50
Benzidine	<2500	*	<50	*	<100	*	<5.0	*	<5.0	*	5
Pyrene	12000		<50	*	**89**	**J**	**110**	**E**	1	J	50
Butyl Benzyl Phthalate	<2500	*	<50	*	<100	*	<5.0	*	ND		50
3,3'-Dichlorobenzidine	<2500	*	<50	*	<100	*	<5.0	*	<5.0	*	5
Benzo(a)anthracene	4400		<50	*	**28**	**J**	**16**		<5.0	*	0.002
Chrysene	3800		<50	*	**24**	**J**	**12**		<5.0	*	0.002
bis(2-Ethylhexyl)phthalate	<2500	*	<50	*	<100	*	**49**	**B**	**21**	**B**	5
Di-n-octyl phthalate	<2500	*	<50	*	<100	*	ND		ND		50
Indeno (1,2,3-cd)Pyrene	<2500	*	<50	*	<100	*	<5.0	*	<5.0	*	0.002
Benzo(b)fluoranthene	3700		<50	*	**64**	**J**	**14**	**I**	<5.0	*	0.002
Benzo(k)fluoranthene	1400	J	<50	*	<100	*	**5**	**I**	<5.0	*	0.002
Benzo(a)pyrene	3600		ND		22	J	13	I	ND		NS
Benzo (g,h,i) perylene	620	J	ND		ND		ND		ND		NS

Table 5
Summary of Analytical Results - Groundwater
Semivolatile Organic Compounds
Department of Sanitation Garage
50 Kent Avenue, Brooklyn, New York

Monitoring Well	MW-8		MW-8X		MW-8XD		NYSDEC
Screen Depth (ft)	5-15		Unknown		Unknown		TOGS
Sample Date	7/24/2006		7/24/2006		7/24/2006		Groundwater
Lab Idenification Number	60700226		60700226		60700226		Criteria
Semivolatile Organic Compounds (ug/Kg)							
N-Nitrosodimethylamine	ND		ND		ND		50
Aniline	<5.0	I*	<5.0	*	<5.0	*	5
bis(2-Chloroethyl)ether	<5.0	I*	<5.0	*	<5.0	*	1
Phenol	**27**	**I**	<5.0	*	<5.0	*	0.001
1,3-Dichlorobenzene	<5.0	I*	<5.0	*	<5.0	*	3
1,4-Dichlorobenzene	<5.0	I*	<5.0	*	<5.0	*	3
1,2-Dichlorobenzene	<5.0	I*	<5.0	*	<5.0	*	2
2-Methyl Phenol	<5.0	I	ND		ND		NS
Hexachloroethane	<5.0	I*	<5.0	*	<5.0	*	5
3&4-Methyl Phenol	10	J,I	ND		ND		NS
Nitrobenzene	<5.0	*	<5.0	*	<5.0	*	0.4
Isophorone	ND		ND		ND		50
2,4-Dimethylphenol	19		ND		ND		50
bis(2-Chloroethoxy)methane	<5.0	*	<5.0	*	<5.0	*	5
2,4-Dichlorophenol	<5.0	*	<5.0	*	<5.0	*	5
Naphthalene	**7900**	**B**	4	J,B	6	B	10
4-Chloroaniline	<5.0	*	<5.0	*	<5.0	*	5
Hexachlorobutadiene	<5.0	*	<5.0	*	<5.0	*	0.5
2-Methylnaphthalene	480	J	ND		ND		NS
Hexachlorocyclopentadiene	<5.0	*	<5.0	*	<5.0	*	5
2-Chloronaphthalene	ND		ND		ND		10
2-Nitroaniline	<5.0	*	<5.0	*	<5.0	*	5
Acenaphthylene	23		1	J	1	J	20
Dimethyl Phthalate	ND		ND		ND		50
2,6-Dinitrotoluene	<5.0	*	<5.0	*	<5.0	*	5
Acenaphthene	**110**	**E**	3		4	J	20
3-Nitroaniline	<5.0	*	<5.0	*	<5.0	*	5
2,4-Dinitrophenol	ND		ND		ND		10
Dibenzofuran	6		ND		1	J	NS
2,4-Dinitrotoluene	<5.0	*	<5.0	*	<5.0	*	5
Fluorene	42		ND		ND		50
Diethyl Phthalate	ND		ND		ND		50
4-Nitroaniline	<5.0	*	<5.0	*	<5.0	*	5
N-Nitrosodiphenylamine	ND		ND		ND		50

Table 5
Summary of Analytical Results - Groundwater
Semivolatile Organic Compounds
Department of Sanitation Garage
50 Kent Avenue, Brooklyn, New York

Monitoring Well	MW-8		MW-8X		MW-8XD		NYSDEC
Screen Depth (ft)	5-15		Unknown		Unknown		TOGS
Sample Date	7/24/2006		7/24/2006		7/24/2006		Groundwater
Lab Idenification Number	60700226		60700226		60700226		Criteria
Semivolatile Organic Compounds (ug/Kg)							
Hexachlorobenzene	<5.0	*	<5.0	*	<5.0	*	0.04
Pentachlorophenol	ND		ND		ND		NS
Phenanthrene	33		ND		ND		50
Anthracene	8		ND		ND		50
Carbazole	24		2	J	2	J	NS
Di-n-butylphthalate	ND		ND		ND		50
Fluoranthene	2	j	ND		ND		50
Benzidine	<5.0	*	<5.0	*	<5.0	*	5
Pyrene	6		ND		1	J	50
Butyl Benzyl Phthalate	ND		ND		ND		50
3,3'-Dichlorobenzidine	<5.0	*	<5.0	*	<5.0	*	5
Benzo(a)anthracene	<5.0	*	<5.0	*	<5.0	*	0.002
Chrysene	<5.0	*	<5.0	*	<5.0	*	0.002
bis(2-Ethylhexyl)phthalate	**6**	**B**	2	J,B	<5.0	*	5
Di-n-octyl phthalate	ND		ND		ND		50
Indeno (1,2,3-cd)Pyrene	<5.0	*	<5.0	*	<5.0	*	0.002
Benzo(b)fluoranthene	<5.0	I*	<5.0	*	<5.0	*	0.002
Benzo(k)fluoranthene	<5.0	I*	<5.0	*	<5.0	*	0.002
Benzo(a)pyrene	<5.0	I*	ND		ND		NS
Benzo (g,h,i) perylene	ND		ND		ND		NS

Notes:
(1) Bold - Indicates value that exceeded the NYSDEC TOGS Groundwater Criteria.
(2) ND - Not Detected above laboratory method detection limit.
(3) NS - No Standard.
(4) B - Indicates the analyte was found in the blank.
(5) J - Indicates an estimated value.
(6) E - Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.
(7) I - Internal Standard Recovery was outside of method limit.
(8) * - MDL exceeds the NYSDEC TOGS 1.1.1 Groundwater Criteria.

Table 6
Summary of Analytical Results - Groundwater
Polychlorinated Biphenyls (PCBs)
Department of Sanitation Garage
50 Kent Avenue, Brooklyn, New York

Monitoring Well	MW-4	MW-5	MW-6	MW-7	MW-7X	MW-8	MW-8X	MW-8XD	NYSDEC
Screen Depth (ft)	5-15	2-12	5-15	5-15		5-15			TOGS
Sample Date	7/21/2006	7/20/2006	7/21/2006	7/24/2006	7/24/2006	7/24/2006	7/24/2006	7/24/2006	Groundwater
Lab Idenification Number	60700210	60700195	60700210	60700226	60700226	60700226	60700226	60700226	Criteria
Polychlorinated Biphenyls (PCBs) (ug/Kg)									
PCB-1016	<1.00 *	<1.00 *	<1.00 *	<1.00 *	<1.00 *	<1.00 *	<1.00 *	<1.00 *	0.09
PCB-1221	<1.00 *	<1.00 *	<1.00 *	<1.00 *	<1.00 *	<1.00 *	<1.00 *	<1.00 *	0.09
PCB-1232	<1.00 *	<1.00 *	<1.00 *	<1.00 *	<1.00 *	<1.00 *	<1.00 *	<1.00 *	0.09
PCB-1242	<1.00 *	<1.00 *	<1.00 *	<1.00 *	<1.00 *	<1.00 *	<1.00 *	<1.00 *	0.09
PCB-1248	<1.00 *	<1.00 *	<1.00 *	<1.00 *	<1.00 *	<1.00 *	<1.00 *	<1.00 *	0.09
PCB-1254	<1.00 *	<1.00 *	<1.00 *	<1.00 *	<1.00 *	<1.00 *	<1.00 *	<1.00 *	0.09
PCB-1260	<1.00 *	<1.00 *	<1.00 *	<1.00 *	<1.00 *	<1.00 *	<1.00 *	<1.00 *	0.09
PCB-1262	<1.00 *	<1.00 *	<1.00 *	<1.00 *	<1.00 *	<1.00 *	<1.00 *	<1.00 *	0.09

Notes:
(1) * - MDL exceeds the NYSDEC TOGS 1.1.1 Groundwater Criteria.

Table 7
Summary of Analytical Results - Groundwater
Target Analyte List Metals
Department of Sanitation Garage
50 Kent Avenue, Brooklyn, New York

Monitoring Well	MW-4	MW-5	MW-6	MW-7	MW-7X	MW-8	MW-8X	MW-8XD	NYSDEC
Screen Depth (ft)	5-15	2-12	5-15	5-15		5-15			TOGS
Sample Date	7/21/2006	7/20/2006	7/21/2006	7/24/2006	7/24/2006	7/24/2006	7/24/2006	7/24/2006	Groundwater
Lab Idenification Number	60700210	60700195	60700210	60700226	60700226	60700226	60700226	60700226	Criteria
TAL Metals (mg/Kg)									
Aluminum	128	1.76	139	3.14	0.420	0.674 M1	ND	ND	NS
Antimony	<0.0100 *	ND	ND	ND	ND	ND	<0.0100 *	<0.0100 *	0.003
Barium	**1.58**	0.105	**1.07**	0.228	0.135	**3.83**	0.0951	0.0938	1
Arsenic	**0.180**	**0.0402**	**0.0480**	**0.0280**	0.0170	ND	ND	0.0138	0.025
Beryllium	**0.00832**	ND	ND	ND	ND	ND	ND	ND	0.003
Cadmium	**0.00867**	ND	0.00375	ND	ND	ND	0.00292	0.00296	0.005
Chromium	**0.690**	0.00603	**0.298**	0.00960	ND	ND	<0.00600 *	<0.00600 *	0.05
Calcium	183	210	96.6	95.2	39.5	181	126	124	NS
Copper	**0.632**	0.0137	**0.328**	0.0168	ND	0.0117	0.144	0.145	0.2
Cobalt	0.118	ND	0.0847	ND	ND	ND	ND	ND	NS
Iron	**316**	**5.16 M1**	**230**	**16.3**	**0.841**	**14.8 MHA**	**2.38**	**2.27**	0.3
Magnesium	**134**	0.896	**35.0**	17.0	5.06	**238**	13.4	13.3	35
Lead	**1.05**	**0.0272**	**0.318**	**0.0338**	0.0236	0.224	**0.0760**	**0.0750**	0.025
Manganese	**7.27**	0.0357	**3.06**	**2.14**	0.0575	0.248	**0.376**	**0.361**	0.3
Mercury	0.00318	ND	0.000671	ND	ND	ND	ND	ND	0.0007
Nickel	**0.331**	0.0534	**0.177**	**0.144**	ND	ND	0.0635	0.0643	0.1
Potassium	43.6	31.9	39.4	37.3	7.64	204 M1	13.8	13.5	NS
Sodium	**627**	**1380**	**1530**	**1080**	**126**	**3310 MHA**	**464**	**464**	20
Silver	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Selenium	<0.0200 *	<0.0200 *	<0.0200 *	<0.0200 *	<0.0200 *	<0.0200	<0.0200 *	<0.0200 *	0.01
Zinc	1.46	0.152	0.750	0.0811	ND	0.206	0.188	0.177	2
Thallium	<0.0200 *	<0.0200 *	<0.0200 *	<0.0200 *	<0.0200 *	<0.0200	<0.0200 *	<0.0200 *	0.0005
Vanadium	ND	ND	0.300	ND	ND	ND	ND	ND	NS
Total Cyanide (mg/Kg)	0.10	**3.7**	0.03	0.11	ND	**0.44**	**0.39**	**0.40**	0.2

Note:
(1) Bold - Indicates value that exceeded the NYSDEC TOGS Groundwater
(2) ND - Non-detected above laboratory method detection limit.
(3) NS - No Standard.
(4) M1 - The MS and/or MSD were above the acceptance limits due to sample matrix interference.
(5) MHA - Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information.
(6) * - MDL exceeds the NYSDEC TOGS 1.1.1 Groundwater Criteria.