487 WEST 129TH STREET

MANHATTAN, NEW YORK

Remedial Investigation Report

Restrictive Declaration Number: 20080421014430001

NYC VCP Number 15CVCP110M

CEQR Number 07DCP076M

OER Project Number 15RHAZ383M

West 129th Street Rezoning

Prepared for:

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March 23, 2015

REMEDIAL INVESTIGATION REPORT

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LIST OF ACRONYMS

Acronym	Definition
AOC	Area of Concern
CAMP	Community Air Monitoring Plan
COC	Contaminant of Concern
CPP	Citizen Participation Plan
CSM	Conceptual Site Model
DER-10	New York State Department of Environmental Conservation Technical Guide 10
FID	Flame Ionization Detector
GPS	Global Positioning System
HASP	Health and Safety Plan
HAZWOPER	Hazardous Waste Operations and Emergency Response
IRM	Interim Remedial Measure
NAPL	Non-aqueous Phase Liquid
NYC VCP	New York City Voluntary Cleanup Program
NYC DOHMH	New York City Department of Health and Mental Hygiene
NYC OER	New York City Office of Environmental Remediation
NYS DOH ELAP	New York State Department of Health Environmental Laboratory Accreditation Program
OSHA	Occupational Safety and Health Administration
PID	Photoionization Detector
QEP	Qualified Environmental Professional
RI	Remedial Investigation
RIR	Remedial Investigation Report
SCO	Soil Cleanup Objective
SPEED	Searchable Property Environmental Electronic Database

CERTIFICATION

I, Michelle Lapin, am a Qualified Environmental Professional, as defined in RCNY § 43-1402(ar). I have primary direct responsibility for implementation of the Remedial Investigation for the 487 West 129th Street Site (Restrictive Declaration No. R-158). I am responsible for the content of this Remedial Investigation Report (RIR), have reviewed its contents and certify that this RIR is accurate to the best of my knowledge and contains all available environmental information and data regarding the Site.

Michelle Lapin

Qualified Environmental Professional Date Signature

EXECUTIVE SUMMARY

The Remedial Investigation Report (RIR) provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy pursuant to RCNY§ 43-1407(f).

Site Location and Current Usage

The Site is located at 487 West 129th Street in the Harlem neighborhood of Manhattan, New York and is identified as Block 1969, Lot 6 on the New York City Tax Map. Figure 1 shows the Site location. A map of the Site is shown in Figure 2. The Site is bounded by West 130th Street to the north, a warehouse to the east, West 129th Street to the south, and a one-story warehouse to the west (used by the Metropolitan Opera House for stage set storage). The warehouse to the west and the extant structure at 487 West 129th were once a single building, but were divided into the current configuration in 2006. The warehouse to the west is considered a Site abutter and is not part of the redevelopment project.

Summary of Proposed Redevelopment Plan

The proposed project involves the demolition of the on-site one-story warehouse, and the construction of a new residential building with three basement levels, the lowest of which would be occupied by a parking garage and utility rooms. Excavation for the proposed construction is expected to a depth of approximately thirteen feet below the existing floor grade, which is the same as the adjacent West 129th Street sidewalk grade. West 130th Street is approximately 17.5 to 24.5 feet higher than West 129th Street adjacent to the Site. A potential perched water table has been noted in the southwestern corner of the Site; thus, limited dewatering may be necessary for the proposed construction.

Summary of Past Uses of Site and Areas of Concern

According to historical Sanborn fire insurance maps reviewed for the Phase I ESA, the on-site building was constructed prior to 1902 and was used historically as the Metropolitan Street Railway Company Third Avenue Division Power Station, the Third Avenue Railway Company car house and repair shop, and after 1951, a Metropolitan Opera Association warehouse. The surrounding area was historically occupied by residential and commercial buildings and auto-related properties, some with gasoline underground storage tanks (USTs). A garage and auto repair shop with two 550-gallon gasoline USTs and one 825-gallon gasoline UST was east-

adjacent to the Site between approximately 1912 and the summer of 2014 (the building is currently vacant and under renovation). The property south of the Site across West 129th Street was used as a railway company car house between approximately 1902 and 1912, and was subsequently used as a bus garage and repair shop. According to Sanborn maps and regulatory databases, both this bus garage and a second garage, located southeast of the site across West 129th Street since approximately 1951, contained several petroleum USTs. The most recent Site inspection (in October 2014) noted that the two garages south of the Site across West 129th Street remain in operation.

The Areas of Concern (AOCs) identified for this Site include:

1. Historical uses of the Site as a railway power station and a railway car house and repair shop.
2. Urban fill materials beneath the Site.
3. New York City Buildings Department (NYCDOB) records indicating historical fuel use at the Site address (i.e., potentially on-site or in the off-site Metropolitan Opera warehouse, which was historically part of the same building as the Site). AKRF's Phase I ESAs did not identify any petroleum storage tanks or spills reported for the Site, and no evidence of a petroleum storage tank (i.e., fill ports, vent pipes, etc.) was noted.
4. On-site active-status New York State Department of Environmental Conservation (NYSDEC) Spill No. 1407581.
5. Potential for subsurface contamination due to past and present uses in the surrounding area (i.e., garages and rail car/bus/auto repair, petroleum storage, reported spills, and a hazardous waste generator listing involving chlorinated solvents for the east-adjacent auto repair shop/vacant warehouse).

Summary of the Work Performed under the Remedial Investigation

On behalf of Inner City Contacting, LLC, AKRF, Inc. performed the following scope of work:

1. Conducted several Site inspections in 2007-2014 to identify AOCs and physical obstructions (i.e., structures, buildings, etc.);

2. Installed 9 soil borings across the entire project Site, and collected 16 soil samples (1 to 2 from each boring) for chemical analysis from the soil borings to evaluate soil quality;

3. Installed 4 temporary groundwater monitoring wells in soil borings throughout the Site and collected 4 groundwater samples for chemical analysis to evaluate groundwater quality;

4. Installed 5 soil vapor probes around the Site perimeter and collected five samples for chemical analysis.

Summary of Environmental Findings

1. Based on a 2005 survey, the Site is at an elevation of approximately 36.4 feet above the Manhattan Borough Datum (MBD), which is the elevation of south-adjacent West 129th Street. Regional surface topography slopes down to the southwest. The north-adjacent West 130th Street is at an elevation of approximately 60.8 to 53.9 feet MBD.

2. Depth to groundwater ranges from approximately 23.7 to 27 feet below the Site building floor. The 2008 and 2014 RI borings in the southwestern corner of the Site identified apparent perched groundwater approximately 10.5 to 13 feet below the building floor.

3. Groundwater flow beneath the Site is expected to be southwesterly (toward the Hudson River, approximately 0.45 mile away) based on surface topography. However, actual water table depth and groundwater flow direction can be affected by many factors including subsurface openings or obstructions such as basements, underground utilities, bedrock geology, the A/B/C/D Line subway tunnels approximately 1,000 feet to the east, and other factors beyond the scope of this assessment. Groundwater in Manhattan is not used as a source of potable water.

4. A 2012 geotechnical study encountered weathered bedrock approximately 35 to 61 feet below the Site building floor, and competent bedrock was encountered approximately 36 to 66 feet below the building floor, sloping down toward the south.

5. The stratigraphy of the Site, from the surface down, consists of approximately 5 to 12 feet of fill (sand, gravel, silt, brick, concrete, ash and glass) above a layer of apparent native soil (sand, gravel, and silt). The 2012 geotechnical study identified apparent concrete layers approximately 5 to 10 feet below the building floor, possibly associated with historical rail car repair pits.

6. Analytical results for soil/fill samples were compared to 6 NYCRR Part 375 Soil Cleanup Objectives for Unrestricted Use (USCOs) and Restricted - Residential Use (RRSCOs). Soil/fill samples collected during the RI showed elevated concentrations of primarily

petroleum-related VOCs in the deeper samples (12-14') collected from 2008 boring SB-2 and 2014 boring WC-2, both advanced in the southwestern corner of the Site. These VOCs included: 1,2,4-trimethylbenzene (max. concentration of 87 ppm); 1,3,5-trimethylbenzene (max. concentration of 33 ppm); naphthalene (max. concentration of 44 ppm); n-propylbenzene (max. concentration of 11 ppm); and total xylenes (max. concentration of 41.6 ppm) exceeding Unrestricted Use SCOs. 1,2,4-trimethylbenzene also exceeded its Restricted Residential Use SCO. VOC concentrations were higher in the 2008 sample, although it was not clear whether this is representative of attenuation with time or sample variability. Low levels of petroleum-related VOCs were also detected in shallow soil samples. SVOC concentrations exceeded Restricted Residential Use SCOs in 2008 sample SB-3 (0-2') and 2014 sample WC-2 (12-14'), and included benzo(a)anthracene (max. concentration of 26 ppm); benzo(a)pyrene (max. concentration of 24 ppm); benzo(b)fluoranthene (max. concentration of 31 ppm); benzo(k)fluoranthene (max. concentration of 11 ppm); chrysene (max. concentration of 25 ppm); dibenzo(a,h)anthracene (max. concentration of 3.3 ppm); and indeno (1,2,3-cd)pyrene (max. concentration of 16 ppm). Dibenzofuran (max. concentration of 7.9 ppm) also exceeded its Unrestricted Use SCO, but was detected below its Restricted Residential SCO. Concentrations of SVOCs in these two samples were generally similar. Ash, which commonly contains elevated SVOC concentrations, was observed in 2008 boring SB-3. Metals including barium, chromium, copper, lead, manganese, mercury, nickel, silver, and zinc exceeded their respective Unrestricted Use SCOs. Of these metals, barium (max. of 1,800 ppm), lead (max. of 1,400 ppm), manganese (max. of 34,000 ppm), and mercury (max. of 0.97 ppm) also exceeded their respective Restricted Residential SCO in one or more soil sample. No pesticides or PCB were detected in the soil samples analyzed. The detected VOC and SVOC concentrations were indicative of petroleum contamination in the southwestern corner of the Site and/or urban fill materials containing SVOCs. The detected concentrations of metals in the samples appeared to be primarily either naturally occurring or attributable to urban fill. However, significantly higher concentrations of several metals including barium, manganese, silver, chromium, cobalt, nickel, and thallium were detected in 2014 sample WC-3 (26-28') compared to the other soil samples, suggesting a potential release at this location (e.g., from a leaking drain historically used for chemical disposal). Based on observations of contamination

above the soil-water interface and laboratory analytical results, Spill No. 1407581 has been reported to NYSDEC.

7. Groundwater sample analytical results were compared to NYSDEC Part 703.5 Class GA Ambient Water Quality Standards (drinking water standards) (GQS). Groundwater samples showed elevated concentrations of petroleum-related VOCs in sample GW-2 from the southwestern corner of the Site, with 1,2,4,5-tetramethylbenzene [340 parts per billion (ppb)], 1,2,4-trimethylbenzene (1,600 ppb), 1,3,5-trimethylbenzene (410 ppb), ethylbenzene (300 ppb), isopropylbenzene (120 ppb), n-butylbenzene (73 ppb), n-propylbenzene (160 ppb), p/m-xylene (800 ppb), o-xylene (59 ppb), and p-isopropyltoluene (88 ppb) exceeding their Class GA standards of 5 ppb. Naphthalene was detected at 860 ppb, exceeding its Class GA standard of 10 ppb. These VOCs were not detected in the other groundwater samples analyzed. VOCs associated with chlorinated solvents including cis-1,2-dichloroethene (max. of 20 ppb) and tetrachloroethene (max. of 11 ppb) were detected in three groundwater samples. SVOCs were detected in all four groundwater samples, including benzo(a)anthracene (max. of 0.24 ppb); benzo(a)pyrene (max. of 0.27 ppb); benzo(b)fluoranthene (max. of 0.23 ppb); benzo(k)fluoranthene (max. of 0.1 ppb); chrysene (max. of 0.23 ppb); indeno(1,2,3-cd)pyrene (max. of 0.09 ppb); and naphthalene (max. of 300 ppb). Several metals were identified in groundwater, but only antimony, iron, manganese, and sodium exceeded their respective GQSs in the filtered water samples. No PCBs or pesticides were detected in the groundwater samples. The detected concentrations of petroleum-related VOCs are likely attributable to a release in the southwestern corner of the Site. The detected chlorinated VOCs were not identified in the soil samples, and are likely attributable to an off-site source. The detected SVOC concentrations were likely attributable to some combination of petroleum contamination in the southwestern corner of the Site and fill particles entrained in the samples. Groundwater laboratory analytical data is summarized in Tables 5 through 8, with the sampling locations and exceedances of Class GA standards shown on Figure 4.

8. Soil vapor samples collected during the RI showed concentrations of VOCs generally associated with petroleum and solvents. There are no standards or guidelines for soil vapor, so detected concentrations were (conservatively) compared to indoor air ranges published in the 2006 *New York State Department of Health (NYSDOH) Guidance for*

Evaluating Soil Vapor Intrusion in the State of New York. VOCs typically associated with petroleum (1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, 2,2,4-trimethylpentane, 4-ethyltoluene, benzene, ethylbenzene, heptane, n-hexane, xylenes, and toluene), were present at concentrations ranging from 3.76 to 3,640 micrograms per cubic meter (µg/m^3). VOCs typically associated with solvents (1,3-butadiene, 2-butanone, carbon disulfide, chloroform, cis-1,2-dichloroethene, cyclohexane, ethyl alcohol, isopropyl alcohol, styrene, tertiary butyl alcohol, tetrachloroethene, tetrahydrofuran, trichloroethene, and vinyl chloride) were present at concentrations ranging from 1.37 to 967 µg/m^3. Chloromethane (R-40), dichlorodifluoromethane and trichlorofluoromethane, commonly associated with refrigerants, were detected at trace concentrations. Acetone, which may be associated with solvents or fill materials and is also a common laboratory contaminant, was detected in four samples at concentrations ranging from 14.9 to 143 µg/m^3. Methylene chloride (a solvent and common laboratory contaminant) was detected in one sample at 3.26 µg/m^3. No VOCs were detected in exceedance of NYSDOH Air Guidance Values (AGVs). The detected VOCs were likely attributable to some combination of petroleum contamination in the southwestern corner of the Site, fill materials, and/or off-site sources. Soil vapor laboratory analytical data is summarized in Table 9, with the sampling locations and exceedances of NYSDOH indoor air ranges shown on Figure 5.

REMEDIAL INVESTIGATION REPORT

1.0 SITE BACKGROUND

Inner City Contracting, LLC is proposing to investigate and remediate an approximately 20,000-square foot (sf) site located at 487 West 129th Street in the Harlem neighborhood of Manhattan, New York. Mixed use (residential, parking and medical offices) is proposed for the Site. The RI work was performed on February 29, 2008 and October 7 and 8, 2014. This RIR summarizes the nature and extent of contamination and provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy that is protective of human health and the environment consistent with the use of the property pursuant to RCNY§ 43-1407(f).

1.1 Site Location and Current Usage

The Site is located at 487 West 129th Street in the Harlem neighborhood of Manhattan, New York and is identified as Block 1969, Lot 6 on the New York City Tax Map. Figure 1 shows the Site location. The Site is approximately 20,000 sf and is bounded by West 130th Street to the north, West 129th Street to the south, an auto repair shop and vacant warehouse to the east, and the western half of a one-story warehouse used for stage set storage to the west. A map of the Site is shown on Figure 2. Currently, the Site is vacant and contains the eastern half of a one-story warehouse.

1.2 Proposed Redevelopment Plan

The proposed future use of the Site will involve the demolition of the on-site half of the existing one-story warehouse, and the construction of two new mixed-use buildings with parking and utility rooms on the lowest (parking) level, which would be shared between the buildings and would occupy the entire Site. The southern building (Building A) would abut West 129th Street and would have nine above-grade floors with residential uses above the parking level. The northern building (Building B) would abut West 130th Street, and would have: a cellar level (above the parking level) occupied by utility rooms, recreational space, and a doctor's office; a basement level (above the cellar) occupied by a mechanical room and a doctor's office; and nine above-grade floors with residential uses. An outdoor plaza would be located between the two buildings, above the parking level. The proposed project would entail excavation to approximately 15 feet below the existing building's foundation (at the West 129th Street level) for an approximately three-foot (at a minimum) foundation slab. Layout of the proposed

development is presented in Appendix E. The current zoning designation is R7A (residential with high lot coverage). The proposed use is consistent with existing zoning for the property.

1.3 Description of Surrounding Property

The neighborhood surrounding the Site includes a mix of institutional, residential, and auto-related uses, including the New York City Housing Authority Manhattanville Houses, the campus of the College of the City of New York, several large garage and warehousing buildings, and numerous large residential apartment buildings.

The Site consists of the vacant eastern portion of a one-story warehouse, formerly used by the Metropolitan Opera House to store stage sets. The off-site western portion of the warehouse is separated from the Site by a demising wall (constructed in early 2006) and is used for Metropolitan Opera stage set storage. The structure to the east (formerly a warehouse and auto repair shop) is under interior renovation to become an enclosed private parking facility. Three- and four-story residential buildings, with those on Amsterdam Avenue containing ground floor retail, are located along Amsterdam and Convent Avenues.

The block south of the Site includes a New York City Transit Authority/Manhattan and Bronx Surface Transit Operating Authority bus depot, and a Verizon garage. The remainder of this block is occupied by three- and four-story warehouses and parking facilities. The warehouses appear to be vacant or underutilized.

The blocks north and east of the Site contain several five- to ten-story apartment buildings. These buildings are located on parcels of one acre or more. Portions of the City College of New York campus and a Catholic Church are located approximately 400 feet north of the Site.

NYCHA's Manhattanville houses and Intermediate School (I.S.) 286/172 are located west of the Site across Amsterdam Avenue. Sheltering Arms Park (a public park under the jurisdiction of the New York City Department of Parks and Recreation) is on the corner of West 129th Street and Amsterdam Avenue. Figure 2 shows the surrounding land usage.

2.0 SITE HISTORY

2.1 Past Uses and Ownership

According to historical Sanborn fire insurance maps reviewed for the Phase I ESA, the on-site building was constructed prior to 1902 and was used historically as the Metropolitan Street Railway Company Third Avenue Division Power Station, the Third Avenue Railway Company car house and repair shop, and after 1951, a Metropolitan Opera Association warehouse. The surrounding area was historically occupied by residential and commercial buildings and auto-related properties, some with gasoline USTs. A garage and auto repair shop with two 550-gallon gasoline USTs and one 825-gallon gasoline UST was east-adjacent to the Site between approximately 1912 and 1989. The property south of the Site across West 129th Street was used as a railway company car house between approximately 1902 and 1912, and was subsequently used as a bus garage and repair shop. According to Sanborn maps and regulatory databases, both this bus garage and a second garage, located southeast of the site across West 129th Street since approximately 1951, contained several petroleum USTs. The most recent Site inspection (in October 2014) identified the east-adjacent property as an auto repair shop, and noted that the two garages south of the Site across West 129th Street remain in operation.

2.2 Previous Investigations

AKRF, Inc. (AKRF) conducted a Phase I Environmental Site Assessment (ESA) of the Site in November 2007, and a Subsurface (Phase II) Investigation) in March 2008, and prepared a Remedial Action Plan (RAP) and Construction Health and Safety Plan (CHASP) in May 2008. A geotechnical study was conducted at the Site by Heller and Johnsen in December 2012. AKRF subsequently prepared a Phase I ESA update in June 2014. The Site underwent City Environmental Quality Review (CEQR) in 2008-2009 for the proposed construction of a new residential building. As part of the CEQR process, the May 2008 RAP and CHASP were reviewed and approved by the NYC Department of Environmental Protection (NYCDEP), and the Site was assigned a Restrictive Declaration in April 2008 to ensure that remedial requirements were carried out in accordance with the RAP and CHASP. Since the preparation of the May 2008 NYCDEP-approved RAP and CHASP, management of Restrictive Declaration sites was transferred from the NYCDEP to the NYC Mayor's Office of Environmental Remediation (OER).

The Phase I ESAs identified Recognized Environmental Conditions (RECs) pertaining to past uses of the Site as the Metropolitan Street Railway Company Third Avenue Division Power

Station, and the Third Avenue Railway Company car house and repair shop; historical fuel oil use at the Site or at the west-adjacent warehouse; and past and present uses of the surrounding area, including garages and rail car/bus/auto repair, petroleum storage, reported spills, and a hazardous waste generator listing involving chlorinated solvents for the east-adjacent auto repair shop / vacant warehouse). The 2007 Phase I ESA noted floor drains that were suspect drywells; however, subsequent inspections indicated that these drains are connected to the sewer system. The findings of the 2008 Phase II investigation are discussed with the 2014 findings in Section 5.0.

The 2012 geotechnical study advanced 8 borings to approximately 42 to 70 feet below the building's floor. Two monitoring wells were installed to determine the groundwater elevation (since the installation logs indicate that these wells are screened below the top of the water table, no samples were collected from these wells as part of the RI). The geotechnical report indicated that the Site was underlain by a 5 to 10-foot layer of fill materials (sand, gravel, brick, concrete, and/or silt) above a layer of apparent native soil (sand, gravel, and silt). Several borings encountered concrete or hard drilling (possibly due to concrete) approximately 5 to 10 feet below grade, which was attributed to historical rail car repair pits. Weathered bedrock was encountered approximately 35 to 61 feet below grade, and competent bedrock was encountered approximately 36 to 66 feet below grade, sloping down toward the south. Groundwater was encountered approximately 24.3 to 25 feet below grade. No evidence of contamination was noted in the boring logs.

2.3 Site Inspection

On November 5, 2007 and May 30, 2014, AKRF staff conducted a reconnaissance of the Site as part of Phase I ESAs. At that time, the Site was similar to current uses.

2.4 Areas of Concern

The AOCs identified for this Site include:

1. Historical uses of the Site as a railway power station and a railway car house and repair shop.
2. Urban fill materials beneath the Site.
3. NYCDOB records indicating historical fuel use at the Site address (i.e., potentially on-site or in the off-site Metropolitan Opera warehouse, which was

historically part of the same building as the Site). AKRF's Phase I ESAs did not identify any petroleum storage tanks or spills reported for the Site, and no evidence of a petroleum storage tank (i.e., fill ports, vent pipes, etc.) was noted.

4. On-site active-status NYSDEC Spill No. 1407581.
5. Potential for subsurface contamination due to past and present uses in the surrounding area (i.e., garages and rail car/bus/auto repair, petroleum storage, reported spills, and a hazardous waste generator listing involving chlorinated solvents for the east-adjacent auto repair shop/vacant warehouse).

The Phase I ESA Reports are included in Appendix A of this report.

3.0 PROJECT MANAGEMENT

3.1 Project Organization

The Qualified Environmental Profession (QEP) responsible for preparation of this RIR is Michelle Lapin, P.E.

3.2 Health and Safety

All work described in this RIR was performed in full compliance with applicable laws and regulations, including Site and OSHA worker safety requirements and HAZWOPER requirements.

3.3 Materials Management

All material encountered during the RI was managed in accordance with applicable laws and regulations.

4.0 REMEDIAL INVESTIGATION ACTIVITIES

On behalf of Inner City Contacting, LLC, AKRF, Inc. performed the following scope of work:

1. Conducted Site inspections to identify AOCs and physical obstructions (i.e., structures, buildings, etc.);
2. Installed 9 soil borings across the entire project Site, and collected 16 soil samples (one to two from each boring) for chemical analysis to evaluate soil quality;
3. Collected four groundwater samples from temporary wells installed the soil borings for chemical analysis to evaluate groundwater quality; and
4. Installed five soil vapor probes around Site perimeter and collected five samples for chemical analysis.

4.1 Borings and Monitoring Wells

Drilling and Soil Logging

The 2008 Phase II investigation was conducted in accordance with a NYCDEP-approved Work Plan (AKRF, February 2008). The additional sampling conducted in 2014 was in accordance with the sampling frequency required by OER for a site of this size.

On February 29, 2008, Zebra Environmental Corporation of Lynbrook, New York (Zebra) advanced five borings at the Site. The 2008 borings were advanced with a Geoprobe® direct push probe (DPP) unit to depths ranging from 4.5 to 14 feet below grade (to refusal). On October 7 and 8, 2014, Zebra advanced four borings at the Site. The 2014 borings were advanced with a Geoprobe® DPP unit to 15 to 35 feet below grade (i.e., below the water table).

The boring locations are shown on Figure 2. Soil cores were collected in five-foot long, two-inch diameter, macrocore piston rod samplers fitted with acetate liners. Each core was split lengthwise and logged by AKRF field personnel. Logging consisted of: describing the soil according to the modified Burmister Classification System; describing any evidence of contamination (e.g., staining, sheens, odors); and screening the soil for organic vapors using a photoionization detector (PID) at one-foot intervals. The PID was calibrated at the start of each work day using isobutylene gas at a concentration of 10 parts per million (ppm) in accordance with the manufacturer's instructions.

Due to low soil recovery and/or shallow refusal, one soil sample was collected from 2008 borings SB-1 and SB-3. Two soil samples were collected from the remaining borings in accordance with the Work Plan. The first sample was from the shallowest two- to three-foot interval that could be sampled (which ranged from the 0-2' interval to the 8-10' interval due to thick layers of concrete or gravel in some borings). The second sample was from: the bottom two-foot interval of the boring, if refusal was encountered above the proposed depth of excavation; the two-foot interval below the proposed depth of excavation; or the two-foot interval exhibiting the greatest evidence of contamination (e.g., odors, staining, and/or elevated PID readings). Of the sixteen soil samples collected, eleven were collected within the proposed excavation interval (ranging from 0-2 feet below grade to 8-10 feet below grade), three were collected approximately 12 to 14 feet below grade (at or one foot below the proposed depth of excavation), and the remaining two samples were collected approximately 26 to 28 feet below grade (due to elevated PID readings).

Evidence of petroleum contamination (odors, staining, and elevated PID readings) was noted in the 10- to 15-foot interval of 2008 boring SB-2 (maximum PID reading of 936 ppm) and the 3- to 15-foot interval of 2014 boring SB-2 (maximum PID reading of 317 ppm). A slight petroleum-like odor and PID readings up to 157 ppm were noted in the 5- to 10-foot interval of 2008 boring SB-1. Slightly elevated PID readings (in the 20 ppm range), but no other evidence of contamination, were noted in the 25- to 30-foot interval of borings SB-3 and SB-4 (i.e., within the water table). No evidence of contamination was noted in the other borings.

Samples designated for laboratory analysis were placed into laboratory-supplied containers and chilled coolers, and submitted via courier to Alpha Analytical Laboratories (Alpha) of Westborough, Massachusetts (MA), a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP)-certified laboratory. Soil samples were analyzed for volatile organic compounds (VOCs) by EPA Method 8260, semi-volatile organic compounds (SVOCs) by EPA Method 8270, Target Analyte List (TAL) metals, polychlorinated biphenyls (PCBs) by EPA Method 8082, and pesticides by EPA Method 8081. In addition, for quality/assurance/quality control (QA/QC) purposes, a trip blank was sent with the collected soil samples for laboratory analysis but was analyzed for VOCs only.

Boring logs prepared by an environmental engineer are attached in Appendices B and C. A map showing the location of the soil borings is shown on Figure 2.

Groundwater Monitoring Well Construction

Groundwater was encountered in only one 2008 boring, SB-2, at approximately 13 feet below grade. A temporary well point was installed in this boring. Since refusal was met in the boring at 14 feet below grade, a temporary one-inch PVC well was installed with five feet of screen at a depth of 9 to 14 feet below grade. No groundwater was recovered from this boring due to the shallow depth of the well and/or poor recovery time.

Groundwater was encountered in 2014 boring SB-2 (located near the 2008 SB-2 location in the southwestern corner of the Site) at approximately 10.5 feet below grade, and in the remaining 2014 borings at approximately 23.7 to 27 feet below grade. Thus, a possible perched water table exists in the southwestern corner of the Site. Temporary one-inch PVC wells were installed with five feet of screen across the water table in all 2014 borings.

Prior to sampling each well, approximately three well volumes were purged using a peristaltic pump to remove sediments from the water column and establish a connection with the aquifer prior to sampling. Samples were then collected with the peristaltic pump into laboratory-supplied glassware, placed into laboratory-supplied containers and chilled coolers, and submitted to Alpha via courier. The samples were analyzed for VOCs by EPA Method 8260, SVOC by EPA Method 8270, pesticides by EPA Method 8081, PCBs by EPA Method 8082, and Total and Dissolved TAL Metals.

Water collected from 2014 boring SB-2 was dark-colored with a petroleum-like odor; it was unclear whether petroleum was mixed with the water. No evidence of contamination was noted in other groundwater samples.

Temporary monitoring well locations are shown in Figure 2. Installation logs are included in Appendix B.

Survey

Each sampling location was accurately measured in the field to fixed benchmarks (e.g., property lines/building walls).

Water Level Measurement

Where groundwater was encountered, water levels were measured using a Solinst water level indicator.

Soil Vapor Sampling

Five soil vapor samples were collected in 2014. The soil vapor probes were installed using a Geoprobe® track-driven unit. At each location, a monitoring point (consisting of tubing connected to an expendable drive point) was installed to approximately 12-13 feet (at the proposed foundation depth). All soil vapor points were below the depths where buried concrete was noted in boring logs for the nearest geotechnical borings (i.e., no concrete potentially impeding airflow was known to be present beneath the sampling points). A six-inch stainless steel screen implant with connected Teflon tubing was installed through the Geoprobe rods and threaded into the drive point. The sampling tubing extended from the end of the screen to above grade. The tubing was then retracted approximately 12 inches to create a void, the push probe rods were removed, and the boring was backfilled with clean silica sand to 1 foot above the screen. Hydrated bentonite was used to fill the remaining void around the sampling tubing to ground surface. The sampling locations, shown on Figure 2, were selected to be representative of overall Site conditions.

Samples were collected in six-liter Summa canisters which had been certified clean by the laboratory. The samples were submitted via courier to Alpha Analytical of Mansfield, MA, a NYSDOH ELAP-certified laboratory, and analyzed for VOCs using USEPA Method TO-15. The flow rate of both purging and sampling did not exceed 0.2 liters per minute (L/min). Sampling at all of the probe points occurred for two hours.

Sample log sheets were maintained summarizing sample identification, date and time of sample collection, identity of samplers, sampling methods and devices, soil vapor purge volumes, volume of the soil vapor extracted, vacuum of canisters before and after the samples were collected, and chain of custody protocols.

As part of the vapor sampling, a tracer gas was used in accordance with NYSDOH protocols to serve as QA/QC for verifying integrity of the soil vapor probe seal. Helium was used as the tracer gas and a box was used to keep it in contact with the probe during testing. A portable monitoring device was used to analyze a sample of soil vapor for the tracer prior to sampling. If the tracer sample results showed a significant presence of the tracer, the probe seals would have been adjusted to prevent infiltration. Helium was not detected in any of the points, verifying an adequate seal. A PID reading of approximately 5 ppm was detected in sampling point SV-2 in the southwestern corner of the Site (where petroleum-contaminated soil and groundwater were

observed). Slightly elevated PID readings of 0.467 to 1.289 ppm, but no other evidence of contamination, were detected in the remaining sampling points. Soil vapor sampling logs are included in Appendix C.

4.2 Sample Collection and Chemical Analysis

Sampling performed as part of the field investigation was conducted for all Areas of Concern and also considered other means for bias of sampling based on professional judgment, area history, discolored soil, drainage patterns, field instrument measurements, odor, or other field indicators. All media including soil, groundwater and soil vapor have been sampled and evaluated in the RIR. Discrete (grab) samples have been used for delineation of the nature and extent of contamination and to determine the impact of contaminants on public health and the environment. The sampling performed and presented in this RIR provides sufficient basis for evaluation of remedial action alternatives, establishment of a qualitative human health exposure assessment, and selection of a final remedy.

Soil Sampling

Sixteen soil samples were collected for chemical analysis during the 2008 and 2014 RIs from nine borings advanced with a Geoprobe® rig, with dedicated acetate liners used for each soil core. Data on soil sample collection for chemical analyses, including dates of collection and sample depths, is reported in Tables 1-4. Figure 2 shows the location of samples collected in this investigation. Laboratories and analytical methods are listed below.

Groundwater Sampling

Four groundwater samples were collected for chemical analysis during this 2014 RI. Dedicated LDPE tubing was used for sampling each of the four temporary wells installed in the 2014 borings. Groundwater sample collection data is reported in Tables 5 through 8. Sampling logs with information on sampling the temporary wells are included in Appendix B. Figure 2 shows the location of groundwater samples. Laboratories and analytical methods are listed below.

Soil Vapor Sampling

Five soil vapor probes were installed and five soil vapor samples were collected for chemical analysis in 2014 during this RI using dedicated plastic tubing. Soil vapor sampling locations are shown in Figure 2. Soil vapor sample collection data is reported in Table 9. Soil vapor sampling

logs are included in Appendix C. Methodologies used for soil vapor assessment conform to the NYSDOH Final Guidance on Soil Vapor Intrusion, October 2006.

Chemical Analysis

Chemical analytical work presented in this RIR has been performed in the following manner:

Factor	Description
Quality Assurance Officer	The chemical analytical quality assurance is directed by Michelle Lapin of AKRF
Chemical Analytical Laboratory	Chemical analytical laboratory(s) used in the RI is NYS ELAP certified and were Alpha Analytical Laboratories of Westborough, MA and Alpha Analytical Laboratories of Mansfield, MA
Chemical Analytical Methods	Soil analytical methods: • TAL Metals by EPA Method 6010C (rev. 2007); • VOCs by EPA Method 8260C (rev. 2006); • SVOCs by EPA Method 8270D (rev. 2007); • Pesticides by EPA Method 8081B (rev. 2000); • PCBs by EPA Method 8082A (rev. 2000); Groundwater analytical methods: • Total and Dissolved TAL Metals by EPA Method 6010C (rev. 2007); • VOCs by EPA Method 8260C (rev. 2006); • SVOCs by EPA Method 8270D (rev. 2007); • Pesticides by EPA Method 8081B (rev. 2000); • PCBs by EPA Method 8082A (rev. 2000); Soil vapor analytical methods: • VOCs by EPA Method TO-15.

Results of Chemical Analyses

Laboratory data for soil, groundwater and soil vapor are summarized in Tables 1-4 (soil), 5-8 (groundwater) and 9 (soil vapor). Laboratory data deliverables for all samples evaluated in this RIR are provided in digital form in Appendix E.

5.0 ENVIRONMENTAL EVALUATION

5.1 Geological and Hydrogeological Conditions

Stratigraphy

Based on a 2005 survey, the Site is at an elevation of approximately 36.4 feet above the Manhattan Borough Datum (MBD), which is the elevation of south-adjacent West 129th Street. Regional surface topography slopes down to the southwest. The north-adjacent West 130th Street is at an elevation of approximately 60.8 to 53.9 feet MBD. The RI and previous studies indicated that the Site is underlain by approximately 5 to 12 feet of fill (sand, gravel, silt, brick, concrete, ash and glass) above a layer of apparent native soil (sand, gravel, and silt). The 2012 geotechnical study identified apparent concrete layers approximately 5 to 10 feet below the building floor, possibly associated with historical rail car repair pits. Weathered bedrock was encountered approximately 35 to 61 feet below the building floor, and competent bedrock was encountered approximately 36 to 66 feet below the building floor, sloping down toward the south.

Hydrogeology

Groundwater was generally encountered approximately 23.7 to 27 feet below the building floor. The 2008 and 2014 RI borings in the southwestern corner of the Site identified apparent perched groundwater approximately 10.5 to 13 feet below the building floor. Based on USGS mapping, groundwater is expected to flow in a southwesterly direction toward the Hudson River, approximately 0.45 mile away. However, actual water table depth and groundwater flow direction can be affected by many factors including subsurface openings or obstructions such as basements, underground utilities, bedrock geology, the A/B/C/D Line subway tunnels approximately 1,000 feet to the east, and other factors beyond the scope of this assessment. Groundwater in Manhattan is not used as a source of potable water.

5.2 Soil Chemistry

Sixteen soil samples were collected for laboratory analysis. Results of the analyses were compared to NYSDEC 6 NYCRR Part 375 Remedial Program Soil Cleanup Objectives for Unrestricted Use (USCOs) and Restricted - Residential Use (RRSCOs), developed for multi-family residential uses and active recreational uses with reasonable potential for soil contact. It should be noted that the SCOs were developed assuming long-term exposure to surficial soil, a scenario which does not currently occur and would not occur with the proposed project (any residual soil would be capped with building foundations). Soil descriptions, observations, and

PID readings were recorded in the soil boring logs provided in Appendices B and C. Laboratory analytical data sheets are included in Appendix E.

VOCs

Elevated concentrations of primarily petroleum-related VOCs were detected in the deeper samples collected from 2008 boring SB-2 and 2014 boring SB-2, both advanced in the southwestern corner of the Site [2008 sample SB-2 (12-14') and 2014 sample WC-2 (12-14')]. These included: 1,2,4-trimethylbenzene (max. concentration of 87 ppm, above its USCO of 3.6 ppm and its RRSCO of 52 ppm); 1,3,5-trimethylbenzene (max. concentration of 33 ppm, above its USCO of 3.6 ppm, but below its RRSCO of 52 ppm); naphthalene (max. concentration of 44 ppm, above its USCO of 12 ppm but below its RRSCO of 100 ppm); n-propylbenzene (max. concentration of 11 ppm, above its USCO of 3.9 ppm but below its RRSCO of 100 ppm); and total xylenes (max. concentration of 41.6 ppm, above its USCO of 0.26 ppm but below its RRSCO of 100 ppm). VOC concentrations were higher in the 2008 sample, although it was not clear whether this is representative of attenuation with time or sample variability. Lower levels of petroleum-related VOCs (below both USCOs and RRSCOs) were detected in shallow samples from the 2008 sample SB-2 (0-2'), and 2014 sample WC-2 (3-5').

Acetone (a solvent and common component of fill materials, but also a common laboratory artifact) was detected in both SB-2 (12-14') and WC-2 (12-14') at concentrations of approximately 1.6 ppm and 6.1 ppm, respectively, above its USCO of 0.05 ppm but well below its RRSCO of 100 ppm. Methylene chloride (a solvent and a common laboratory artifact) was detected in WC-2 (12-14') at a concentration of approximately 2.7 ppm, above its USCO of 0.05 ppm but well below its RRSCO of 100 ppm.

No other VOCs were detected in exceedance of USCOs or RRSCOs in the soil samples. Results of the VOC analysis are presented in Table 1. Due to a scheduling issue, one 2014 soil sample, WC-2 (3-5'), was processed at the laboratory approximately 2 hours beyond the method-specified 48-hour holding time; other samples were processed within their respective holding times.

The 2008 sampling identified evidence of contamination at, but not above, the soil-water interface. The contamination was thus attributed to migration from an off-site source (several spills have been reported in the vicinity of the Site), and no spill was reported. Based on 2014

observations of contamination above the soil-water interface and laboratory analytical results, Spill No. 1407581 has been reported to NYSDEC.

SVOCs

Elevated SVOC concentrations were detected in 2008 sample SB-3 (0-2') and 2014 sample WC-2 (12-14'), including: benzo(a)anthracene (max. concentration of 26 ppm, above its USCO and RRSCO of 1 ppm); benzo(a)pyrene (max. concentration of 24 ppm, above its USCO and RRSCO of 1 ppm); benzo(b)fluoranthene (max. concentration of 31 ppm, above its USCO and RRSCO of 1 ppm); benzo(k)fluoranthene (max. concentration of 11 ppm, above its USCO of 0.8 ppm and RRSCO of 3.9 ppm); chrysene (max. concentration of 25 ppm, above its USCO of 1 ppm and RRCO of 3.9 ppm); dibenzo(a,h)anthracene (max. concentration of 3.3 ppm, above its USCO and RRSCO of 3.3 ppm); dibenzofuran (max. concentration of 7.9 ppm, above its USCO of 7 ppm, but below its RRSCO of 59 ppm); and indeno (1,2,3-cd)pyrene (max. concentration of 16 ppm, above its USCO and RRSCO of 0.5 ppm). Concentrations of SVOCs in these two samples were generally similar. No other SVOCs were detected exceeding USCOs or RRSCOs in the soil samples analyzed. Results of the SVOC analysis are presented in Table 2. The SVOCs detected at elevated concentrations may be attributable to some combination of the petroleum spill in the southwestern corner of the Site and urban fill materials beneath the Site.

Metals

Nine metals (barium, chromium, copper, lead, manganese, mercury, nickel, silver, and zinc) exceeded their respective USCOs in one to six samples each. Barium (max. concentration of 1,800 ppm) also exceeded its RRSCO of 400 ppm in one sample. Lead (max. concentration of 1,400 ppm) exceeded its RRSCO of 400 ppm in two samples. Manganese (max. concentration of 34,000 ppm) exceeded its RRSCO of 2,000 ppm in one sample. Mercury (max. concentration of 0.97 ppm) exceeded its RRSCO of 0.81 ppm in one sample.

Based on their nature and distribution, the detected concentrations of metals in the samples are primarily either naturally occurring or attributable to urban fill. However, significantly higher concentrations of several metals including barium, manganese, silver, chromium, cobalt, nickel, and thallium were detected in 2014 sample WC-3 (26-28') compared to the other soil samples, suggesting a potential release at this location (e.g., from a leaking drain historically used for chemical disposal). Analytical results for metals are presented in Table 3.

Pesticides and PCBs

No pesticides or PCB were detected in the soil samples analyzed. Analytical results for PCBs and pesticides in soil are presented in Table 4.

Data collected during the RI is sufficient to delineate the vertical and horizontal distribution of contaminants in soil/fill at the Site. A summary table of data for chemical analyses performed on soil samples is included in Tables 1-4. Figure 3 shows the location and posts the values for soil/fill that exceed the 6NYCRR Part 375-6.8 USCOs.

5.3 Groundwater Chemistry

Four groundwater samples were collected for laboratory analysis in 2014. Groundwater sample analytical results were compared to NYSDEC Class GA Ambient Water Quality Standards (drinking water standards) for comparison purposes, although groundwater is not used as a source of potable water in Manhattan.

VOCs

Elevated concentrations of petroleum-related VOCs were identified in sample GW-2 from the southwestern corner of the Site, with 1,2,4,5-tetramethylbenzene (340 ppb), 1,2,4-trimethylbenzene (1,600 ppb), 1,3,5-trimethylbenzene (410 ppb), ethylbenzene (300 ppb), isopropylbenzene (120 ppb), n-butylbenzene (73 ppb), n-propylbenzene (160 ppb), p/m-xylene (800 ppb), o-xylene (59 ppb), and p-isopropyltoluene (88 ppb) exceeding their Class GA standards of 5 ppb. Naphthalene was detected at 860 ppb, exceeding its Class GA standard of 10 ppb. These VOCs were not detected in the other groundwater samples analyzed.

VOCs associated with chlorinated solvents were detected in samples GW-1, GW-3, and GW-4. The detected chlorinated VOCs included: 1,2-dichloroethene (max. concentration of 20 ppb, no Class GA standard assigned); cis-1,2-dichloroethene (max. concentration of 20 ppb, exceeding the Class GA standard of 5 ppb in one sample); and tetrachloroethene (max. concentration of 11 ppb, exceeding the Class GA standard of 5 ppb in one sample). The highest concentrations were detected in sample GW-4 in the northeastern corner of the Site. These VOCs were not detected in sample GW-2, but may have been present (potentially above Class GA standards) in this sample, which required a dilution by a factor of 25 due to high target VOC levels.

The detected concentrations of petroleum-related VOCs are likely attributable to a release in the southwestern corner of the Site. The detected chlorinated VOCs were not identified in the soil

samples, and are likely attributable to an off-site source. As previously noted, a spill was reported to NYSDEC based on the field observations and analytical results. Analytical results for VOCs are summarized in Table 5.

SVOCs

SVOCs were detected in all four groundwater samples, with seven SVOCs exceeding Class GA standards in samples GW-1, GW-2 and/or GW-3. These included: benzo(a)anthracene [max. concentration of 0.24 parts per billion (ppb), above its Class GA standard of 0.002 ppb); benzo(a)pyrene (max. concentration of 0.27 ppb, above its Class GA standard of "non-detectable"); benzo(b)fluoranthene (max. concentration of 0.23 ppb, above its Class GA standard of 0.002 ppb); benzo(k)fluoranthene (max. concentration of 0.1 ppb, above its Class GA standard of 0.002 ppb); chrysene (max. concentration of 0.23 ppb, above its Class GA standard of 0.002 ppb); indeno(1,2,3-cd)pyrene (max. concentration of approximately 0.09 ppb, above its Class GA standard of 0.002 ppb); and naphthalene (max. concentration of 300 ppb, above its Class GA standard of 10 ppb). With the exception of naphthalene, which is more commonly associated with fuel oil and was detected above its Class GA standard only in sample GW-2 from the southwestern corner of the Site, these SVOCs are common components of urban fill.

The detected SVOC concentrations were likely attributable to some combination of petroleum contamination in the southwestern corner of the Site and fill particles entrained in the samples. Analytical results for SVOCs are presented in Table 6.

Metals

Twenty-three metals were detected in the unfiltered groundwater samples (total metals analysis), 20 of which were also detected in the filtered samples (dissolved metals analysis). Thirteen metals were detected by total metal analysis at concentrations above Class GA standards: arsenic, barium, beryllium, cadmium, chromium, copper, iron, lead, magnesium, manganese, nickel, selenium, and sodium. Concentrations in the dissolved metal samples were lower, with only four metals (antimony, iron, manganese, and sodium) exceeding Class GA standards.

The detected metals, including those at concentrations above the Class GA standards, are typical of regional groundwater quality in Manhattan and are not indicative of an on-site release or spill. The detected metal concentrations were likely attributable to fill particles entrained in the samples and/or natural sources. Analytical results for metals are presented in Table 7.

PCBs and Pesticides

No PCBs or pesticides were detected in the groundwater samples. Analytical results for PCBs and pesticides are presented in Table 8.

Data collected during the RI is sufficient to delineate the distribution of contaminants in groundwater at the Site. A summary table of data for chemical analyses performed on groundwater samples is included in Tables 5 through 8. Exceedences of applicable groundwater standards are shown. Figure 4 shows the location and posts the values for groundwater that exceed the New York State 6NYCRR Part 703.5 Class GA groundwater standards.

5.4 Soil Vapor Chemistry

In the absence of soil vapor standards or guidelines, concentrations of VOCs detected in the soil gas samples were conservatively compared to indoor air criteria published in the 2006 NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York, specifically to NYSDOH Indoor Air Guideline Values (AGVs) and to background levels of VOCs in indoor air presented in Appendix C of the Vapor Intrusion Guidance document, including: USEPA Building Assessment and Survey Evaluation (BASE) 90th percentile indoor air values; Upper Fence Limit indoor air values from "Table C-1, NYSDOH 2003: Study of Volatile Organic Chemicals in Air of Fuel Oil Heated Homes;" and 95th Percentile Indoor Air Values from "Table C-5, Health Effects Institute (HEI) 2005: Relationship of Indoor, Outdoor and Personal Air."

Laboratory analysis identified VOCs potentially associated with petroleum and solvents, in many cases at concentrations above the background indoor air values. VOCs typically associated with petroleum (1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, 2,2,4-trimethylpentane, 4-ethyltoluene, benzene, ethylbenzene, heptane, n-hexane, xylenes, and toluene), where detected, were present at concentrations ranging from 3.76 to 3,640 micrograms per cubic meter (µg/m^3). VOCs typically associated with solvents (1,3-butadiene, 2-butanone, carbon disulfide, chloroform, cis-1,2-dichloroethene, cyclohexane, ethyl alcohol, isopropyl alcohol, styrene, tertiary butyl alcohol, tetrachloroethene, tetrahydrofuran, trichloroethene, and vinyl chloride), where detected, were present at concentrations ranging from 1.37 to 967 µg/m^3. Chloromethane (R-40), dichlorodifluoromethane and trichlorofluoromethane, commonly associated with refrigerants, were detected in one to three samples each at concentrations ranging from 1.06 to 4.52 µg/m^3. Acetone, which may be associated with solvents or fill materials and is also a

common laboratory contaminant, was detected in four samples at concentrations ranging from 14.9 to 143 µg/m^3. Methylene chloride (a solvent and common laboratory contaminant) was detected in one sample at 3.26 µg/m^3. No VOCs were detected in exceedance of NYSDOH AGVs. The detected VOCs were likely attributable to some combination of petroleum contamination in the southwestern corner of the Site, fill materials, and/or off-site sources.

The Vapor Intrusion Guidance Document provides "decision matrices" for four VOCs: carbon tetrachloride, tetrachloroethene, 1,1,1-trichloroethane and trichloroethene. Carbon tetrachloride and 1,1,1-trichloroethane were not detected in the soil vapor samples. Tetrachloroethene was detected in two samples, with concentrations of 1.76 and 16.3 µg/m^3. Trichloroethene was detected in one sample at a concentration of 3.47 µg/m^3. Depending on the corresponding indoor air concentrations, the decision matrices recommend "no further action" or "reasonable and practical actions to identify source(s) and reduce exposures."

Data collected during the RI is sufficient to delineate the distribution of contaminants in soil vapor at the Site. A summary of data for chemical analyses performed on soil vapor samples is included in Table 9. Figure 5 shows the sample locations and posts the values for soil vapor samples with detected concentrations exceeding indoor air background values used for comparison and/or the NYSDOH AGVs.

5.5 Prior Activity

Based on an evaluation of the data and information from the RIR, disposal of significant amounts of hazardous waste is not suspected at this Site.

5.6 Impediments to Remedial Action

There are no known impediments to remedial action at this Site.

6.0 CONCLUSIONS AND RECOMMENDATIONS

AKRF, Inc. (AKRF) conducted a Remedial Investigation (RI) at the 487 West 129th Street site in Manhattan (the "Site") to determine whether current or former on- or off-site activities have adversely affected the Site. The investigation included the advancement of 9 borings in 2008 and 2014 with the collection of 16 soil samples and 4 groundwater samples for laboratory analysis, and collection of 5 soil vapor samples for laboratory analysis.

The RI and a prior geotechnical investigation encountered approximately 5 to 12 feet of fill (sand, gravel, silt, brick, concrete, ash and glass) above a layer of apparent native soil (sand, gravel, and silt). A 2012 geotechnical study identified apparent concrete layers approximately 5 to 10 feet below the building floor, possibly associated with historical rail car repair pits. Weathered bedrock was encountered approximately 35 to 61 feet below the building floor, and competent bedrock was encountered approximately 36 to 66 feet below the building floor, sloping down toward the south. Groundwater was generally encountered approximately 23.7 to 27 feet below the building floor. The 2008 and 2014 RI borings in the southwestern corner of the Site identified apparent perched groundwater approximately 10.5 to 13 feet below the building floor.

Evidence of petroleum contamination (odors, staining, and elevated PID readings) was noted in the 10- to 15-foot interval of 2008 boring SB-2 (maximum PID reading of 936 ppm) and the 3- to 15-foot interval of 2014 boring SB-2 (maximum PID reading of 317 ppm), both of which were advanced in the southwestern corner of the Site. A slight petroleum-like odor and PID readings up to 157 ppm were noted in the 5- to 10-foot interval of 2008 boring SB-1. Slightly elevated PID readings (in the 20 ppm range), but no other evidence of contamination, were noted in the 25- to 30-foot interval of borings SB-3 and SB-4 (i.e., within the water table). No evidence of contamination was noted in the other borings.

The soil and groundwater samples were analyzed for volatile organic compounds (VOCs) by EPA Method 8260, semi-volatile organic compounds (SVOCs) by EPA Method 8270, Target Analyte List (TAL) Metals (both total and dissolved for groundwater), pesticides by EPA Method 8081, and polychlorinated biphenyls (PCBs) by EPA Method 8082. The soil gas samples were analyzed for VOCs by EPA Method TO-15.

Soil sample analytical results were compared to 6 NYCRR Part 375 Soil Cleanup Objectives for Unrestricted Use (USCOs) and Part 375 Soil Cleanup Objectives for Restricted – Residential

Use (RRSCOs). The USCOs assume long-term exposure to soils by both human and ecological receptors, which does not currently occur and would not occur with the proposed project. The RRSCOs were developed for multifamily residences with some potential for soil contact; again, an overly-conservative scenario for the proposed project contemplated.

Groundwater sample analytical results were compared to NYSDEC Class GA Ambient Water Quality Standards (drinking water standards) for comparison purposes, although groundwater is not used as a source of potable water in Manhattan.

The results of the soil vapor samples were (conservatively) compared to indoor air criteria in the 2006 NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York, specifically NYSDOH Air Guideline Values (AGVs) and to background levels of VOCs from studies of indoor air presented in Appendix C of the Guidance document.

A summary of the analytical results is as follows:

- Elevated concentrations of primarily petroleum-related VOCs were detected in soil samples collected from the 12- to 14-foot interval of 2008 boring SB-2 and 2014 boring SB-2, both advanced in the southwestern corner of the Site, with several VOCs exceeding their USCOs and/or RRSCOs. VOC concentrations were higher in the 2008 sample, although it was not clear whether this is representative of attenuation with time or sample variability. Lower levels of petroleum-related VOCs (below both USCOs and RRSCOs) were detected in shallow soil from these borings. Additional VOCs detected in Site soil included: acetone (a solvent and common component of fill materials, but also a common laboratory artifact), detected in two soil samples above its USCO, but well below its RRSCO; and methylene chloride (a solvent and a common laboratory artifact), detected in one soil sample above its USCO, but well below its RRSCO.
- Elevated SVOC concentrations were detected in soil samples from the 12- to 14-foot interval of 2008 boring SB-2 and 2014 boring SB-2, with several SVOCs exceeding USCOs and/or RRSCOs. Concentrations of SVOCs in these two samples were generally similar. No other SVOCs were detected exceeding USCOs or RRSCOs in the soil samples analyzed.
- Nine metals (barium, chromium, copper, lead, manganese, mercury, nickel, silver, and zinc) exceeded their respective USCOs in one to six samples each. Barium, lead, manganese, and mercury also exceeded RRSCOs in one to two samples each.

- Elevated concentrations of petroleum-related VOCs were identified in the 2014 groundwater sample GW-2 from the southwestern corner of the Site, with several of these VOCs exceeding Class GA standards. These VOCs were not detected in the other groundwater samples analyzed.
- VOCs associated with chlorinated solvents were detected in the remaining three groundwater samples, and may also be present in GW-2, which had elevated detection limits due to a dilution required by concentrations of petroleum-related VOCs. The detected chlorinated VOCs included: 1,2-dichloroethene, cis-1,2-dichloroethene, and tetrachloroethene; the latter two exceeded Class GA standards. The highest concentrations were detected in sample GW-4 in the northeastern corner of the Site.
- SVOCs were detected in all four groundwater samples, with certain SVOCs exceeding Class GA standards in three samples. With the exception of naphthalene, which is more commonly associated with fuel oil and was detected above its Class GA standard only in sample GW-2, the detected SVOCs were common components of urban fill.
- No pesticides or PCB were detected in the soil or groundwater samples analyzed.
- Metals were detected in the unfiltered and filtered groundwater samples. Concentrations were generally higher in the unfiltered samples, with 13 metals exceeding Class GA standards in these samples, and only 4 metals exceeding Class GA standards in the filtered samples.

  A variety of VOCs were detected in the soil vapor samples. VOCs typically associated with petroleum (1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, 2,2,4-trimethylpentane, 4-ethyltoluene, benzene, ethylbenzene, heptane, n-hexane, xylenes, and toluene), where detected, were present at concentrations ranging from 3.76 to 3,640 micrograms per cubic meter ($\mu g/m^3$). VOCs typically associated with solvents (1,3-butadiene, 2-butanone, carbon disulfide, chloroform, cis-1,2-dichloroethene, cyclohexane, ethyl alcohol, isopropyl alcohol, styrene, tertiary butyl alcohol, tetrachloroethene, tetrahydrofuran, trichloroethene, and vinyl chloride), where detected, were present at concentrations ranging from 1.37 to 967 $\mu g/m^3$. Chloromethane (R-40), dichlorodifluoromethane and trichlorofluoromethane, commonly associated with refrigerants, were detected in one to three samples each at concentrations ranging from 1.06 to 4.52 $\mu g/m^3$. Acetone was detected in four samples at concentrations ranging from 14.9 to 143 $\mu g/m^3$. Methylene chloride was detected in one sample at 3.26

µg/m^3. No VOCs were detected in exceedance of NYSDOH AGVs. The detected concentrations of petroleum-related VOCs and SVOCs in soil and groundwater may be attributable to some combination of petroleum contamination in the southwestern corner of the Site and urban fill materials beneath the Site. The 2008 sampling identified evidence of contamination at, but not above, the soil-water interface. The contamination was thus attributed to migration from an off-site source (several spills have been reported in the vicinity of the Site), and no spill was reported. Based on 2014 observations of contamination above the soil-water interface and laboratory analytical results, Spill No. 1407581 has been reported to NYSDEC.

The chlorinated VOCs detected in groundwater and soil vapor were not identified in the soil samples, and were likely attributable to an off-site source.

The VOCs detected in soil vapor were likely attributable to some combination of petroleum contamination in the southwestern corner of the Site, fill materials, and/or off-site sources.

Based on their nature and distribution, the detected concentrations of metals in soil samples appeared to be primarily naturally occurring or attributable to urban fill. However, significantly higher concentrations of several metals including barium, manganese, silver, chromium, cobalt, nickel, and thallium were detected in 2014 sample WC-3 (26-28') compared to the other soil samples, suggesting a potential release at this location (e.g., from a leaking drain historically used for chemical disposal). Metal concentrations detected in the groundwater samples are typical of regional groundwater quality in Manhattan, and are likely attributable to fill particles entrained in the samples and/or natural sources, rather than a release.

6.1 Recommendations

The proposed project would entail excavation for new building construction. Based on the findings of the Phase II investigation, recommendations are:

- The Phase II identified a petroleum release in the southwestern corner of the Site, urban fill materials containing elevated concentrations of metals, and somewhat elevated concentrations of VOCs in soil gas. To address the potential for encountering known or unexpected contamination during Site redevelopment, and to reduce the potential for vapor intrusion following the redevelopment, a Remedial Action Plan (RAP) and associated Construction Health and Safety Plan (CHASP) should be prepared for implementation during proposed construction and submitted to the OER for review and approval. The RAP should

address requirements for items such as: soil stockpiling, soil disposal and transportation; dust control; contingency measures should petroleum storage tanks be unexpectedly encountered; and vapor control measures such as a vapor barrier beneath new foundation slabs. The CHASP should include measures for worker and community protection, including personal protective equipment, dust control, air monitoring, and emergency response procedures.

- Soil and fill materials excavated as part of the proposed project should be properly handled and managed in accordance with applicable regulations. As noted in Section 8.0, soil intended for off-site disposal should be tested in accordance with the requirements of the intended receiving facility. Transportation of material leaving the Site for off-site disposal must be in accordance with federal, state and local regulatory requirements covering licensing of haulers and trucks, placarding, truck routes, manifesting, etc.
- On-site Spill No. 1407581 should be remediated to the satisfaction of NYSDEC. If any USTs are encountered during excavation, they should be properly closed and removed, along with any contaminated soil. The closure should be performed in accordance with the applicable regulations, including NYSDEC tank registration regulations.
- If dewatering is necessary for the proposed project, it should be conducted in accordance with a New York City Department of Environmental Protection (NYCDEP) sewer discharge permit. Groundwater testing, and possibly pre-treatment (dependent upon the testing results), may be necessary to comply with NYCDEP requirements for obtaining a sewer discharge permit.

7.0 LIMITATIONS

The findings set forth in this report are strictly limited in scope and time to the date of the evaluation described herein. The conclusions and recommendations presented in the report are based solely on the services and any limitations described in this report.

This report may contain conclusions that are based on the analysis of data collected at the time and locations noted in the report through intrusive or non-intrusive sampling. However, further investigation might reveal additional data or variations of the current data, which may differ from our understanding of the conditions presented in this report and require the enclosed recommendations to be reevaluated or modified.

Chemical analyses may have been performed for specific parameters during the course of this investigation, as summarized in the text and tables. It should be noted that additional chemical constituents, not searched for during this investigation, may be present at the Site. Due to the nature of the investigation and the limited data available, no warranty, expressed or implied, shall be construed with respect to undiscovered liabilities. The presence of biological hazards, radioactive materials, lead-based paint and asbestos-containing materials was not investigated, unless specified in the report.

Interpretations of the data, including comparison to regulatory standards, guidelines or background values, are not opinions that these comparisons are legally applicable. Furthermore, any conclusions or recommendations should not be construed as legal advice. For such advice, the client is recommended to seek appropriate legal counsel. Disturbance, handling, transportation, storage and disposal of known or potentially contaminated materials is subject to all applicable laws, which may or may not be fully described as part of this report.

The analytical data, conclusions, and/or recommendations provided in this report should not be construed in any way as a classification of waste that may be generated during future disturbance of the project site. Waste(s) generated at the Site including excess fill may be considered regulated solid waste and potentially hazardous waste. Requirements for intended disposal facilities should be determined beforehand as the data provided in this report may be insufficient and could vary following additional sampling.

This report may be based solely or partially on data collected, conducted, and provided by, AKRF and/or others. No warranty is expressed or implied by usage of such data. Such data may be included in other investigation reports or documentation. In addition, these reports may have been based upon available previous reports, historical records, documentation from federal, state and local government agencies, personal interviews, and geological mapping. This report is

subject, at a minimum, to the limitations of the previous reports, historical documents, availability and accuracy of collected documentation, and personal recollection of those persons interviewed. In certain instances, AKRF has been required to assume that the information provided is accurate with limited or no corroboratory evidence.

This report is intended for the use solely by Inner City Contracting LLC. Reliance by third parties on the information and opinions contained herein is strictly prohibited and requires the written consent of AKRF. AKRF accepts no responsibility for damages incurred by third parties for any decisions or actions taken based on this report. This report must be used, interpreted, and presented in its entirety.

8.0 SOIL DISPOSAL ISSUES

In addition to the discussions in the Conclusions, Recommendations, and Limitations Sections (Sections 6.0 and 7.0), the issue of appropriate management of off-site disposal of soil warrants careful consideration. Any material being disposed of off-site is a regulated waste, and disposal must be in accordance with:

- Requirements of the specific receiving facility;
- Requirements of any agencies overseeing the cleanup/excavation; and
- Federal and state requirements (sometimes in both the state where the soil is generated and where disposal will occur).

For hazardous wastes and petroleum-contaminated soil (and other 'clearly contaminated' materials), the requirements are usually fairly well defined. It is in the situation where contamination is not readily apparent (e.g., so called "historic or urban fill" or "construction and demolition debris" or material that may have been formerly identified as "clean fill") that presents the greatest potential for problems and cost overruns. Even on sites where no contamination requiring remediation is identified, it is common that most of the excavated material is considered "contaminated" for purposes of waste disposal. Concentrations of the various contaminants in historic fill can be highly variable, and upon further testing, the material could contain higher contaminant concentrations than outlined in this investigation. Portions of this material could be classified as hazardous waste.

It is important that the intended disposal facility (or facilities) be identified in advance of off-site disposal. Agency approval is sometimes required for disposal, and the facility will frequently require additional testing prior to (and sometimes at the time of) accepting material. Material must conform to a lengthy list of requirements based on both chemical composition and sometimes numerous other parameters (related to size, percentage of liquids, presence of odors, etc.) for acceptance at the facility. Assuming (or allowing a contractor to assume) that all, or even most, of the soil from a site can be disposed of at minimal cost may result in unanticipated and expensive change orders.

For these reasons, we recommend that professional advice be sought prior to preparing bid documents and contracts incorporating soil disposal.

9.0 REFERENCES

1. U.S. Geological Survey, Central Park, N.Y. – N.J. Quadrangle, 7.5 minute Series (Topographic), Scale 1:24,000, 1966, Photorevised 2011.
2. U.S. Geological Survey; Open Files Report 89-462; Bedrock and Engineering Geologic Maps of New York County and Parts of Kings and Queens Counties, New York, and Parts of Bergen and Hudson Counties, New Jersey; Sheet 3 - Bedrock Contours and Outcrops; 1990.
3. *Guidance for Evaluating Soil Vapor Intrusion in the State of New York*, New York State Department of Health Center for Environmental Health, Bureau of Environmental Exposure Investigation, October 2006.
4. 6 NYCRR § 375, effective December 14, 2006, New York State Department of Environmental Conservation Rules and Regulations, Remedial Program Requirements.
5. 6 NYCRR Chapter X § 700 – 706, New York State Department of Environmental Conservation Water Quality Regulations, Surface Water and Ground Water Classifications and Standards.
6. *495 West 129th Street - Phase I Environmental Site Assessment*, AKRF, Inc., November 2007
7. *Subsurface (Phase II) Investigation – 487 West 129th Street*, AKRF, Inc., March 2008.
8. *Remedial Action Plan (RAP) and Construction Health and Safety Plan (CHASP) – 487 West 129th Street*, AKRF, Inc., May 2008.
9. *Environmental Assessment Statement – West 129th Street Rezoning*, AKRF, Inc., May 2009.
10. *Geotechnical Engineering Report – Proposed Apartment Towers, 487 West 129th Street, New York, NY, Heller and Johnsen, December 2012*.
11. *487 West 129th Street, New York, NY - Phase I Environmental Site Assessment*, AKRF, Inc., May 2014.
12. 6 NYCRR Part 371 - Identification and Listing of Hazardous Wastes
13. STARS #1 - Petroleum-Contaminated Soil Guidance Policy
14. NYSDOH Indoor Air Sampling & Analysis Guidance (August 8, 2001 or subsequent update)
15. DER Interim Strategy for Groundwater Remediation at Contaminated Sites in New York State

FIGURES

SOURCE
USGS 7.5 Minute Topographic Map
Central Park Quad 2011

0 500 1,000 1,500 Feet

487 WEST 129th Street

New York, New York

SITE LOCATION

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

DATE
6/9/2014

PROJECT No.
11978

FIGURE
1

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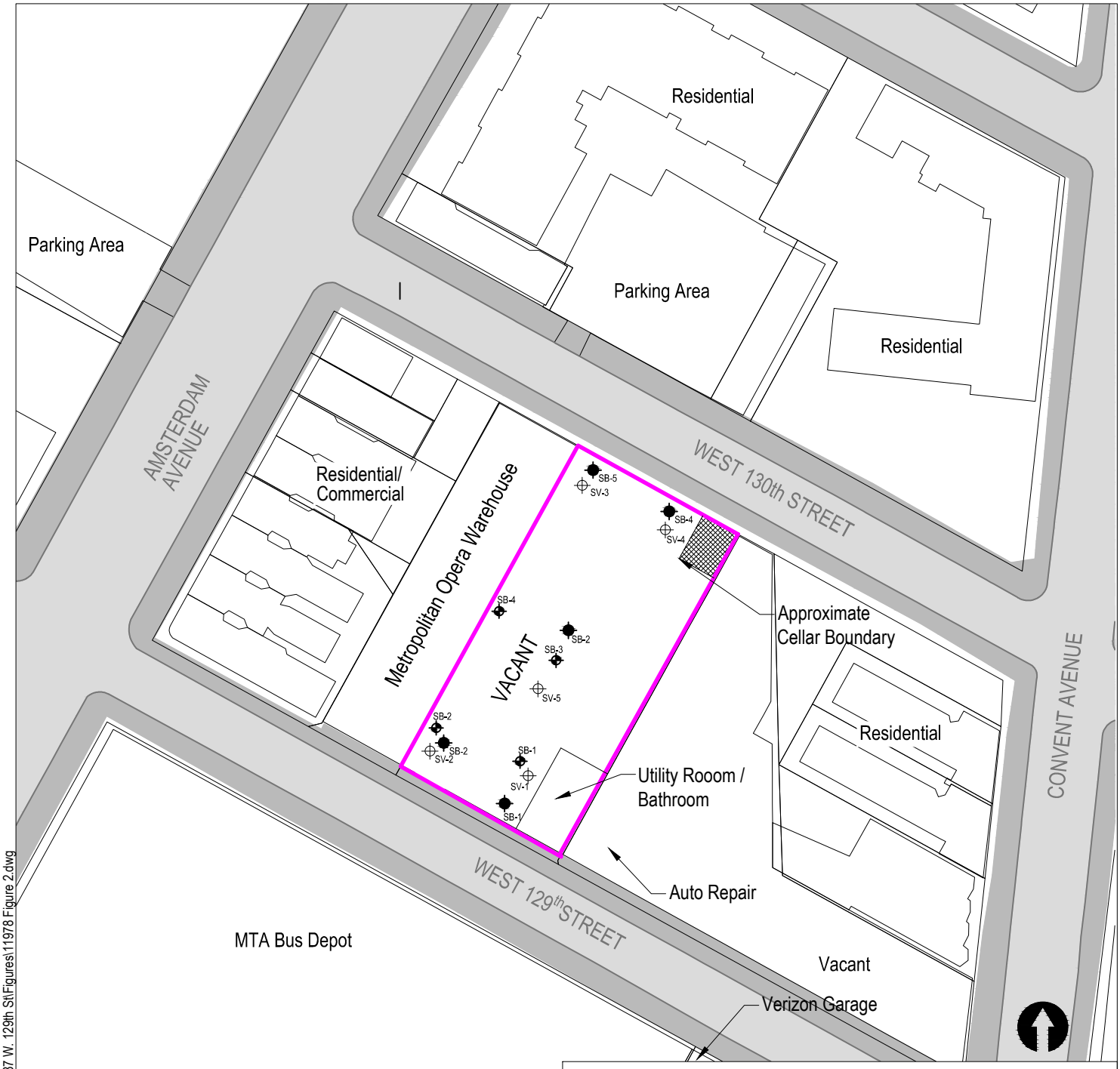

Map Source:
NYCDCP (NYC Dept. of City Planning 2013) GIS database

0' 40' 80' 160'
SCALE IN FEET

LEGEND:

- PROJECT SITE BOUNDARY
- LOT LINE
- BUILDING LINE
- SG-1 SOIL GAS LOCATION (2014)
- SB-1 SOIL AND GROUNDWATER SAMPLE LOCATION (2014)
- SB-1 SOIL BORING LOCATION (2008)

487 WEST 129th STREET

New York, New York

SITE PLAN

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

DATE 6.9.2014
PROJECT No. 11978
SCALE as shown
FIGURE 2

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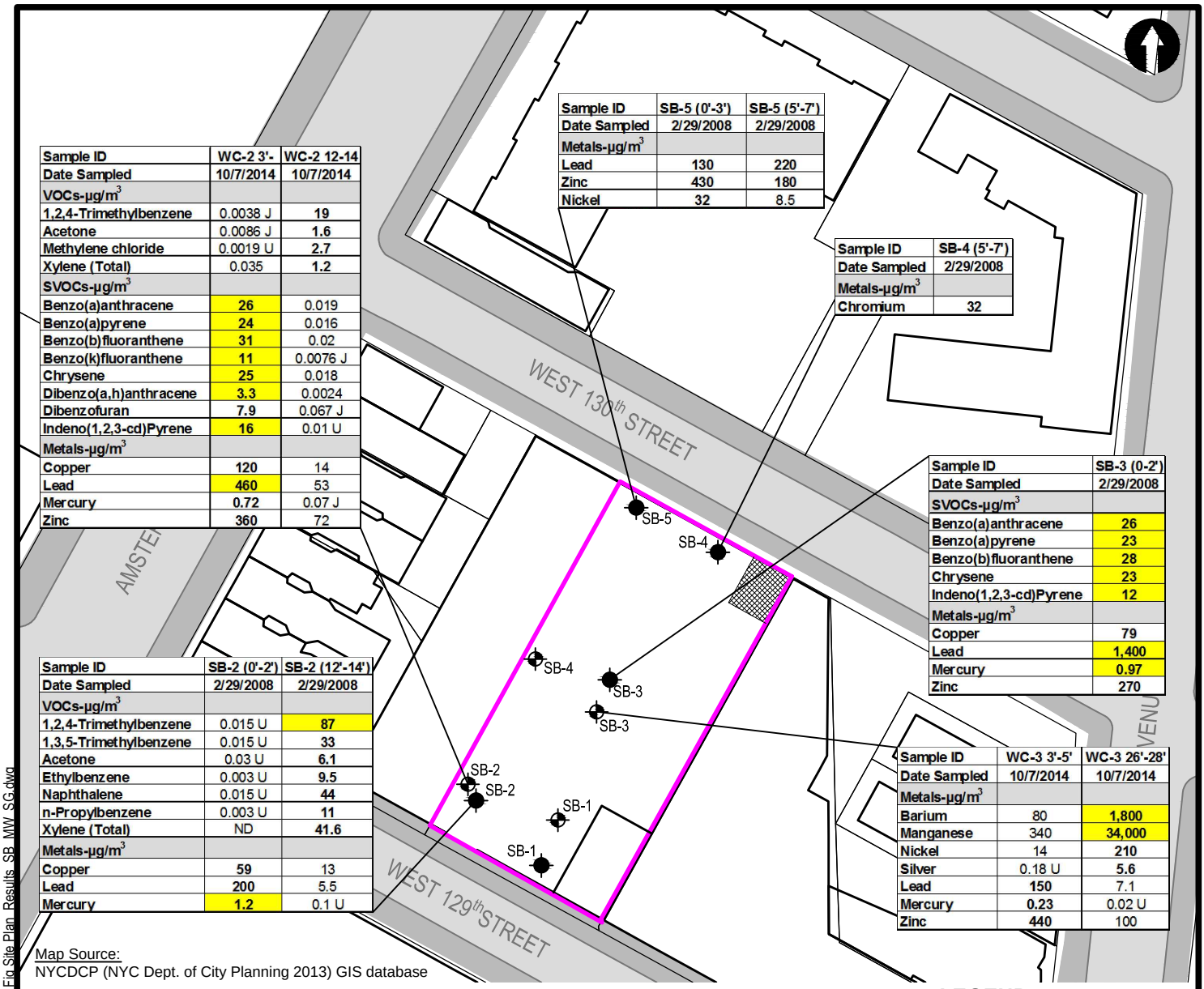

Sample ID	WC-2 3'-	WC-2 12-14
Date Sampled	10/7/2014	10/7/2014
VOCs-µg/m³		
1,2,4-Trimethylbenzene	0.0038 J	19
Acetone	0.0086 J	1.6
Methylene chloride	0.0019 U	2.7
Xylene (Total)	0.035	1.2
SVOCs-µg/m³		
Benzo(a)anthracene	26	0.019
Benzo(a)pyrene	24	0.016
Benzo(b)fluoranthene	31	0.02
Benzo(k)fluoranthene	11	0.0076 J
Chrysene	25	0.018
Dibenzo(a,h)anthracene	3.3	0.0024
Dibenzofuran	7.9	0.067 J
Indeno(1,2,3-cd)Pyrene	16	0.01 U
Metals-µg/m³		
Copper	120	14
Lead	460	53
Mercury	0.72	0.07 J
Zinc	360	72

Sample ID	SB-5 (0'-3')	SB-5 (5'-7')
Date Sampled	2/29/2008	2/29/2008
Metals-µg/m³		
Lead	130	220
Zinc	430	180
Nickel	32	8.5

Sample ID	SB-4 (5'-7')
Date Sampled	2/29/2008
Metals-µg/m³	
Chromium	32

Sample ID	SB-3 (0-2')
Date Sampled	2/29/2008
SVOCs-µg/m³	
Benzo(a)anthracene	26
Benzo(a)pyrene	23
Benzo(b)fluoranthene	28
Chrysene	23
Indeno(1,2,3-cd)Pyrene	12
Metals-µg/m³	
Copper	79
Lead	1,400
Mercury	0.97
Zinc	270

Sample ID	SB-2 (0'-2')	SB-2 (12'-14')
Date Sampled	2/29/2008	2/29/2008
VOCs-µg/m³		
1,2,4-Trimethylbenzene	0.015 U	87
1,3,5-Trimethylbenzene	0.015 U	33
Acetone	0.03 U	6.1
Ethylbenzene	0.003 U	9.5
Naphthalene	0.015 U	44
n-Propylbenzene	0.003 U	11
Xylene (Total)	ND	41.6
Metals-µg/m³		
Copper	59	13
Lead	200	5.5
Mercury	1.2	0.1 U

Sample ID	WC-3 3'-5'	WC-3 26'-28'
Date Sampled	10/7/2014	10/7/2014
Metals-µg/m³		
Barium	80	1,800
Manganese	340	34,000
Nickel	14	210
Silver	0.18 U	5.6
Lead	150	7.1
Mercury	0.23	0.02 U
Zinc	440	100

Map Source:
NYCDCP (NYC Dept. of City Planning 2013) GIS database

SOIL
Exceedences of Part 375 Unrestricted SCOs are highlighted in bold font.

Exceedences of Part 375 Restricted Residential SCOs are highlighted in yellow shading.

Part 375 Soil
Cleanup Objectives:Soil Clean-up Objectives listed in NYSDEC (New York State Department of Environmental Conservation) "Part 375" Regulations (6 NYCRR Part 375).

µg/kg:micrograms per kilogram = parts per billion (ppb)
mg/kg:micrograms per kilogram = parts per million (ppm)

U:The analyte was not detected at the indicated concentration.
J: The concentration given is an estimated value.
ND: Not Detected

0' 40' 80'
SCALE IN FEET

LEGEND:

- PROJECT SITE BOUNDARY
- LOT LINE
- BUILDING LINE
- SB-3 SOIL/GROUNDWATER SAMPLE LOCATION (2014)
- SB-1 SOIL BORING LOCATION (2008)

Sample ID	WC-3 3'-5'	WC-3 26'-28'
Date Sampled	10/7/2014	10/7/2014
Metals-µg/m³		
Barium	80	1,800
Manganese	340	34,000
Nickel	14	210
Silver	0.18 U	5.6

Sample ID number
Sample Date
Analyte/Compound in Soil
Concentration in Soil

487 WEST 129th STREET
New York, New York

MAP OF SOIL CHEMISTRY RESULTS

AKRF
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DATE 12.23.2014
PROJECT No. 11978
SCALE as shown
FIGURE 4

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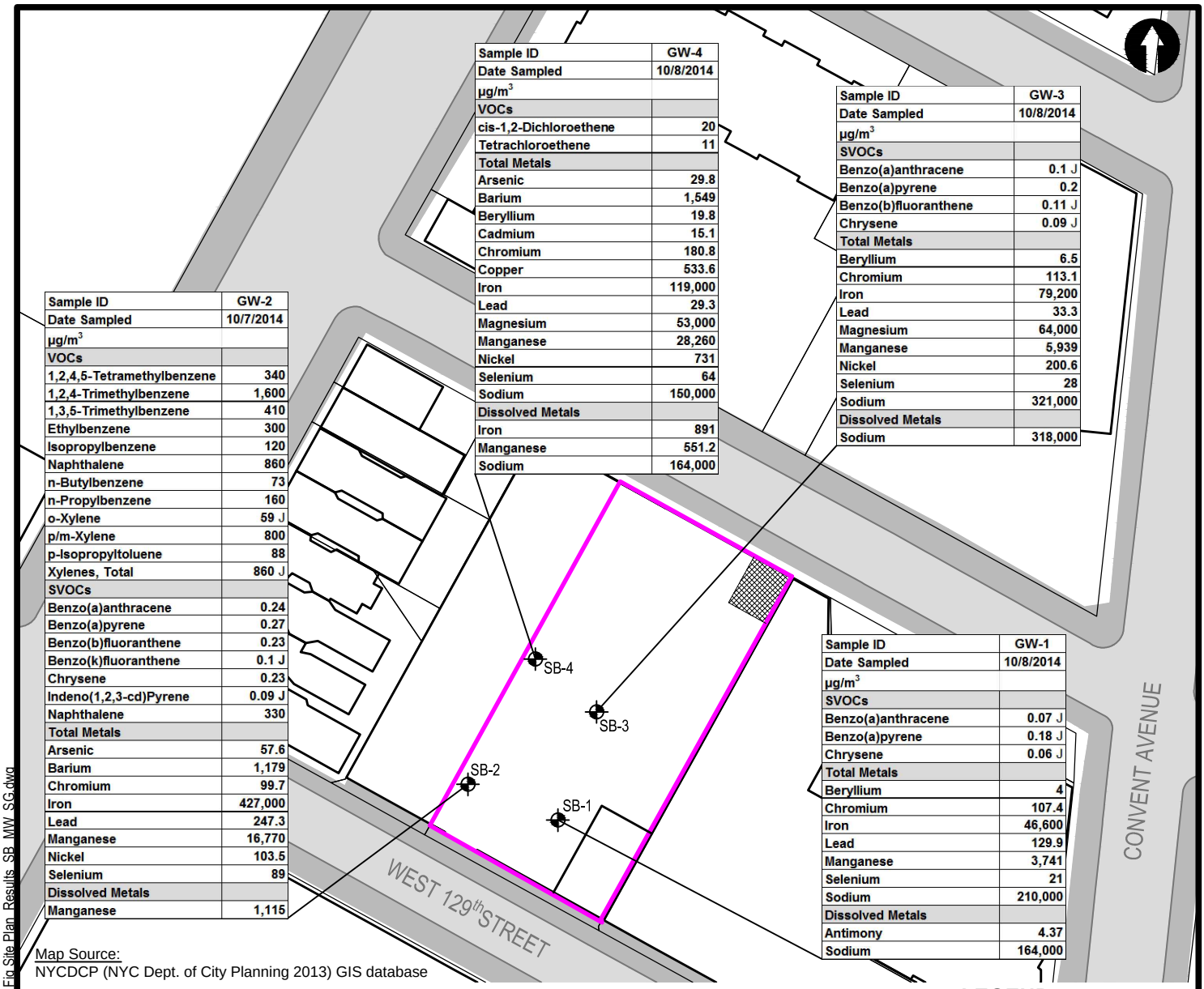

Sample ID	GW-2
Date Sampled	10/7/2014
µg/m³	
VOCs	
1,2,4,5-Tetramethylbenzene	340
1,2,4-Trimethylbenzene	1,600
1,3,5-Trimethylbenzene	410
Ethylbenzene	300
Isopropylbenzene	120
Naphthalene	860
n-Butylbenzene	73
n-Propylbenzene	160
o-Xylene	59 J
p/m-Xylene	800
p-Isopropyltoluene	88
Xylenes, Total	860 J
SVOCs	
Benzo(a)anthracene	0.24
Benzo(a)pyrene	0.27
Benzo(b)fluoranthene	0.23
Benzo(k)fluoranthene	0.1 J
Chrysene	0.23
Indeno(1,2,3-cd)Pyrene	0.09 J
Naphthalene	330
Total Metals	
Arsenic	57.6
Barium	1,179
Chromium	99.7
Iron	427,000
Lead	247.3
Manganese	16,770
Nickel	103.5
Selenium	89
Dissolved Metals	
Manganese	1,115

Sample ID	GW-4
Date Sampled	10/8/2014
µg/m³	
VOCs	
cis-1,2-Dichloroethene	20
Tetrachloroethene	11
Total Metals	
Arsenic	29.8
Barium	1,549
Beryllium	19.8
Cadmium	15.1
Chromium	180.8
Copper	533.6
Iron	119,000
Lead	29.3
Magnesium	53,000
Manganese	28,260
Nickel	731
Selenium	64
Sodium	150,000
Dissolved Metals	
Iron	891
Manganese	551.2
Sodium	164,000

Sample ID	GW-3
Date Sampled	10/8/2014
µg/m³	
SVOCs	
Benzo(a)anthracene	0.1 J
Benzo(a)pyrene	0.2
Benzo(b)fluoranthene	0.11 J
Chrysene	0.09 J
Total Metals	
Beryllium	6.5
Chromium	113.1
Iron	79,200
Lead	33.3
Magnesium	64,000
Manganese	5,939
Nickel	200.6
Selenium	28
Sodium	321,000
Dissolved Metals	
Sodium	318,000

Sample ID	GW-1
Date Sampled	10/8/2014
µg/m³	
SVOCs	
Benzo(a)anthracene	0.07 J
Benzo(a)pyrene	0.18 J
Chrysene	0.06 J
Total Metals	
Beryllium	4
Chromium	107.4
Iron	46,600
Lead	129.9
Manganese	3,741
Selenium	21
Sodium	210,000
Dissolved Metals	
Antimony	4.37
Sodium	164,000

Map Source:
NYCDCP (NYC Dept. of City Planning 2013) GIS database

Exceedences of NYSDEC Class GA Ambient Standard are in bold font.

GROUNDWATER

NYSDEC Class GA Ambient Standard:
New York State Department of Environmental Conservation Technical and Operational Guidance Series (1.1.1): Class GA Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations.

J: The concentration given is an estimated value.

LEGEND:

- PROJECT SITE BOUNDARY
- LOT LINE
- BUILDING LINE
- SB-1 SOIL/GROUNDWATER SAMPLE LOCATION (2014

Sample ID	GW-2
Date Sampled	10/7/2014
µg/m³	
VOCs	
1,2,4,5-Tetramethylbenzene	340
1,2,4-Trimethylbenzene	1,600
1,3,5-Trimethylbenzene	410
Ethylbenzene	300
Isopropylbenzene	120

Sample ID number
Sample Date
Analyte/Compound in Groundwater
Concentration in (µg/L) - micrograms per Liter = parts per billion (ppb)

0' 40' 80'
SCALE IN FEET

487 WEST 129th STREET
New York, New York

MAP OF GROUNDWATER CHEMISTRY RESULTS

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DATE 12.11.2014
PROJECT No. 11978
SCALE as shown
FIGURE 4

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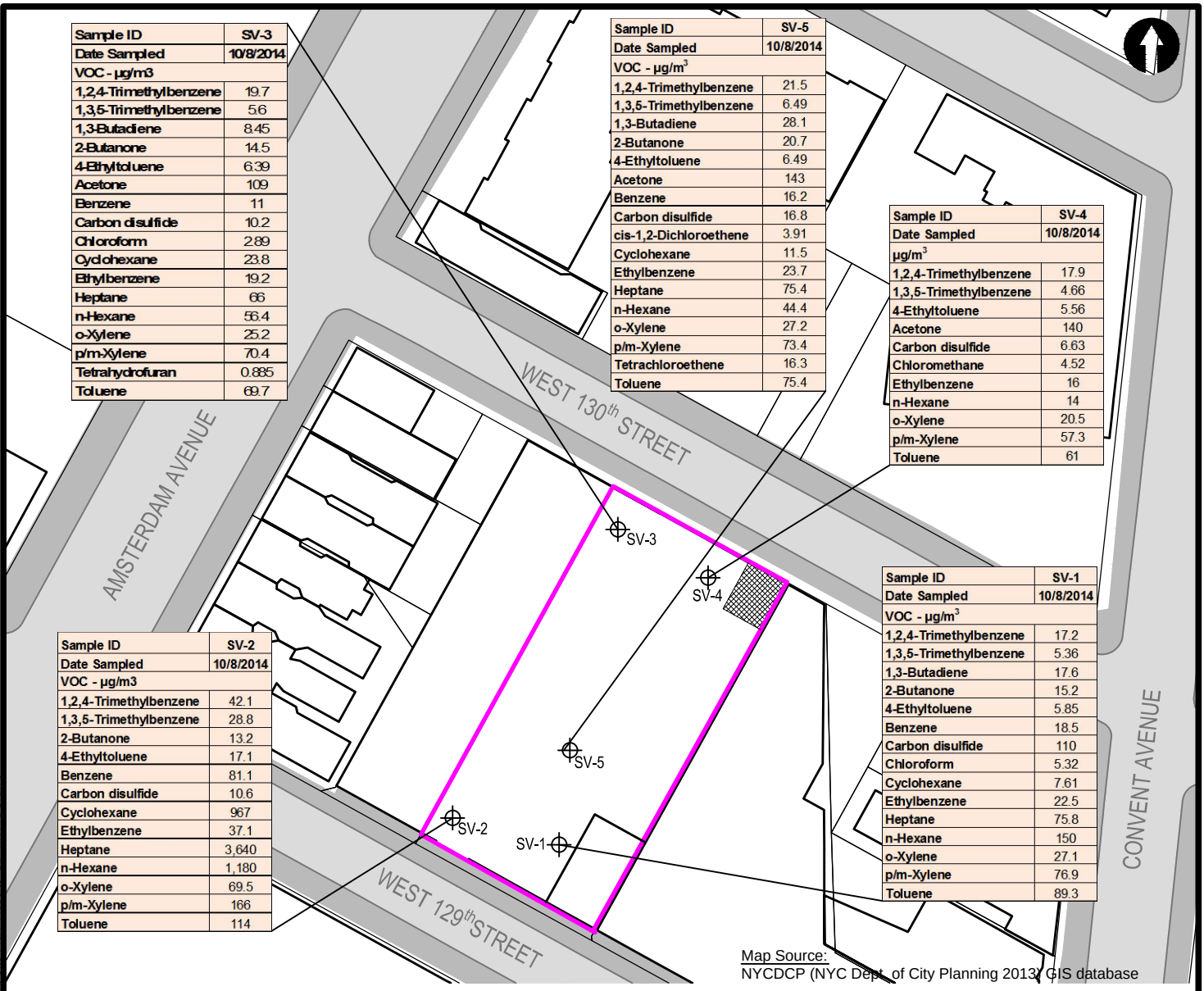

Sample ID	SV-3
Date Sampled	10/8/2014
VOC - µg/m3	
1,2,4-Trimethylbenzene	19.7
1,3,5-Trimethylbenzene	5.6
1,3-Butadiene	8.45
2-Butanone	14.5
4-Ethyltoluene	6.39
Acetone	109
Benzene	11
Carbon disulfide	10.2
Chloroform	2.89
Cyclohexane	23.8
Ethylbenzene	19.2
Heptane	66
n-Hexane	56.4
o-Xylene	25.2
p/m-Xylene	70.4
Tetrahydrofuran	0.885
Toluene	69.7

Sample ID	SV-5
Date Sampled	10/8/2014
VOC - µg/m^3	
1,2,4-Trimethylbenzene	21.5
1,3,5-Trimethylbenzene	6.49
1,3-Butadiene	28.1
2-Butanone	20.7
4-Ethyltoluene	6.49
Acetone	143
Benzene	16.2
Carbon disulfide	16.8
cis-1,2-Dichloroethene	3.91
Cyclohexane	11.5
Ethylbenzene	23.7
Heptane	75.4
n-Hexane	44.4
o-Xylene	27.2
p/m-Xylene	73.4
Tetrachloroethene	16.3
Toluene	75.4

Sample ID	SV-4
Date Sampled	10/8/2014
µg/m^3	
1,2,4-Trimethylbenzene	17.9
1,3,5-Trimethylbenzene	4.66
4-Ethyltoluene	5.56
Acetone	140
Carbon disulfide	6.63
Chloromethane	4.52
Ethylbenzene	16
n-Hexane	14
o-Xylene	20.5
p/m-Xylene	57.3
Toluene	61

Sample ID	SV-2
Date Sampled	10/8/2014
VOC - µg/m3	
1,2,4-Trimethylbenzene	42.1
1,3,5-Trimethylbenzene	28.8
2-Butanone	13.2
4-Ethyltoluene	17.1
Benzene	81.1
Carbon disulfide	10.6
Cyclohexane	967
Ethylbenzene	37.1
Heptane	3,640
n-Hexane	1,180
o-Xylene	69.5
p/m-Xylene	166
Toluene	114

Sample ID	SV-1
Date Sampled	10/8/2014
VOC - µg/m^3	
1,2,4-Trimethylbenzene	17.2
1,3,5-Trimethylbenzene	5.36
1,3-Butadiene	17.6
2-Butanone	15.2
4-Ethyltoluene	5.85
Benzene	18.5
Carbon disulfide	110
Chloroform	5.32
Cyclohexane	7.61
Ethylbenzene	22.5
Heptane	75.8
n-Hexane	150
o-Xylene	27.1
p/m-Xylene	76.9
Toluene	89.3

Exceedences of NYSDOH Soil Vapor Intrusion Air Guidance Values are shown in bold

SOIL VAPOR

NYSDOH Soil Vapor Intrusion Air Guidance Value
NYSDOH Air Guideline Values (AGVs) presented in the Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York, dated October 2006 ("NYSDOH Vapor Intrusion Guidance Document").

NYSDOH 2003 Soil Vapor Indoor Upper Fence:
Upper fence indoor air values from "Table C1. NYSDOH 2003: Study of Volatile Organic Chemicals in Air of Fuel Oil Heated Homes", published in the NYSDOH Soil Vapor Intrusion Guidance Document, Appendix C" (October 2006).

EPA 2001BASE 90th percentile:
90th Percentile indoor air values from "Table C-2. EPA 2001: Building Assessment and Survey Evaluation (BASE) Database, SUMMA canister method", published in the NYSDOH Soil Vapor Intrusion Guidance Document, Appendix C" (October 2006).

HEI RIOPA 2005 95th percentile
95th Percentile Indoor Air Values from Table C-5, Health Effects Institute (HEI) 2005: Relationship of Indoor, Outdoor and Personal Air, published in the NYSDOH Soil Vapor Intrusion Guidance Document, Appendix C" (October 2006).

0' 40' 80'
SCALE IN FEET

LEGEND:

- PROJECT SITE BOUNDARY
- LOT LINE
- BUILDING LINE
- SG-1 SOIL VAPOR LOCATION (2014)

Sample ID	SV-4
Date Sampled	10/8/2014
µg/m^3	
1,2,4-Trimethylbenzene	17.9
1,3,5-Trimethylbenzene	4.66
4-Ethyltoluene	5.56
Acetone	140

Compound in Soil Vapor

Sample ID number

Sample Date

Concentration in Soil Vapor (µg/m³) (micrograms per cubic meter)

487 WEST 129th STREET

New York, New York

MAP OF SOIL VAPOR CHEMISTRY RESULTS

AKRF
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DATE 12.11.2014
PROJECT No. 11978
SCALE as shown
FIGURE 5

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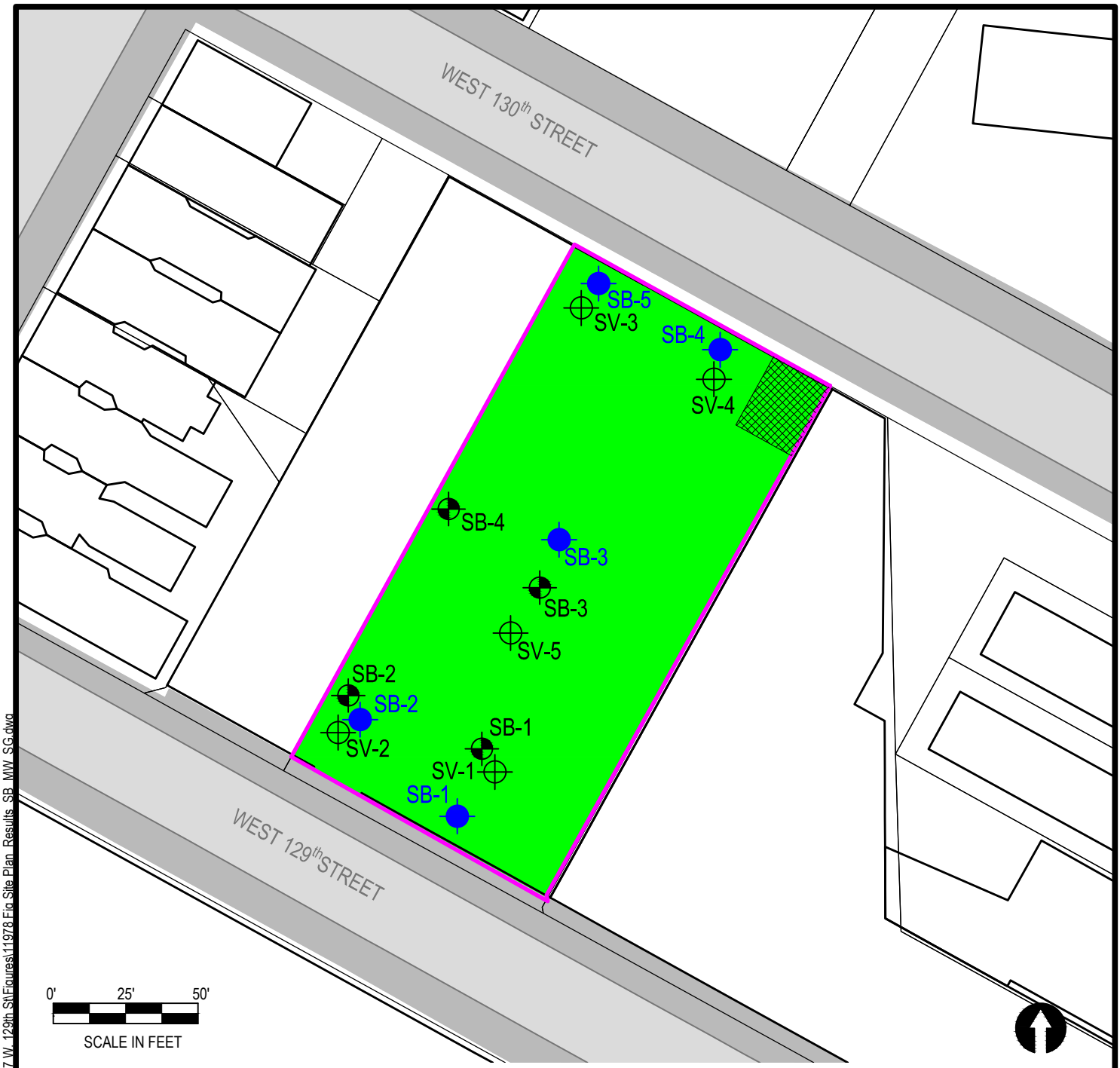

LEGEND:

- SG-1 — SOIL GAS LOCATION (2014)
- SB-1 — SOIL AND GROUNDWATER SAMPLE LOCATION (2014)
- SB-1 — SOIL BORING LOCATION (2008)
- PROJECT SITE BOUNDARY
- LOT LINE
- BUILDING LINE
- EXCAVATION TO APPROXIMATELY 15 FEET BELOW GRADE
- EXISTING PARTIAL BASEMENT

Map Source:
NYCDCP (NYC Dept. of City Planning 2013) GIS database

487 WEST 129th STREET

New York, New York

EXCAVATION PLAN

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DATE 3.23.2015
PROJECT No. 11978
SCALE as shown
FIGURE 6

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TABLES

Table 1
487 West 129th Street
New York, NY
Subsurface (Phase II) Investigation Soil Analytical Results
Volatile Organic Compounds

Client ID Lab Sample ID Date Sampled Dilution mg/kg	NYSDEC Part 375 Unrestricted SCO mg/kg	NYSDEC Part 375 Restricted Residential SCO mg/kg	SB-1 (0-2') L0802902-02 2/29/2008 1	SB-2 (0-2') L0802902-03 2/29/2008 1	SB-2 (12-14') L0802902-04 2/29/2008 1	SB-3 (0-2') L0802902-05 2/29/2008 1	SB-4 (0-3') L0802902-06 2/29/2008 1	SB-4 (5-7') L0802902-07 2/29/2008 1
1,1,1,2-Tetrachloroethane	NS	NS	0.0029 U	0.003 U	0.58 U	0.0028 U	0.0028 U	0.0027 U
1,1,1-Trichloroethane	0.68	100	0.0029 U	0.003 U	0.58 U	0.0028 U	0.0028 U	0.0027 U
1,1,2,2-Tetrachloroethane	NS	NS	0.0029 U	0.003 U	0.58 U	0.0028 U	0.0028 U	0.0027 U
1,1,2-Trichloroethane	NS	NS	0.0043 U	0.0045 U	0.87 U	0.0043 U	0.0042 U	0.004 U
1,1-Dichloroethane	0.27	26	0.0043 U	0.0045 U	0.87 U	0.0043 U	0.0042 U	0.004 U
1,1-Dichloroethene	0.33	100	0.0029 U	0.003 U	0.58 U	0.0028 U	0.0028 U	0.0027 U
1,1-Dichloropropene	NS	NS	0.014 U	0.015 U	2.9 U	0.014 U	0.014 U	0.013 U
1,2,3-Trichlorobenzene	NS	NS	0.014 U	0.015 U	2.9 U	0.014 U	0.014 U	0.013 U
1,2,3-Trichloropropane	NS	NS	0.029 U	0.03 U	5.8 U	0.028 U	0.028 U	0.027 U
1,2,4,5-Tetramethylbenzene	NS	NS	0.0029 U	0.003 U	12	0.0028 U	0.0028 U	0.0027 U
1,2,4-Trichlorobenzene	NS	NS	0.014 U	0.015 U	2.9 U	0.014 U	0.014 U	0.013 U
1,2,4-Trimethylbenzene	3.6	52	0.014 U	0.015 U	**87**	0.014 U	0.014 U	0.013 U
1,2-Dibromo-3-chloropropane	NS	NS	0.014 U	0.015 U	2.9 U	0.014 U	0.014 U	0.013 U
1,2-Dibromoethane	NS	NS	0.011 U	0.012 U	2.3 U	0.011 U	0.011 U	0.011 U
1,2-Dichlorobenzene	1.1	100	0.014 U	0.015 U	2.9 U	0.014 U	0.014 U	0.013 U
1,2-Dichloroethane	0.02	3.1	0.0029 U	0.003 U	0.58 U	0.0028 U	0.0028 U	0.0027 U
1,2-Dichloroethene (total)	NS	NS	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	NS	NS	0.01 U	0.01 U	2 U	0.0099 U	0.0098 U	0.0094 U
1,3,5-Trimethylbenzene	8.4	52	0.014 U	0.015 U	**33**	0.014 U	0.014 U	0.013 U
1,3-Dichlorobenzene	2.4	49	0.014 U	0.015 U	2.9 U	0.014 U	0.014 U	0.013 U
1,3-Dichloropropane	NS	NS	0.014 U	0.015 U	2.9 U	0.014 U	0.014 U	0.013 U
1,3-Dichloropropene, Total	NS	NS	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	1.8	13	0.014 U	0.015 U	2.9 U	0.014 U	0.014 U	0.013 U
1,4-Diethylbenzene	NS	NS	0.0029 U	0.003 U	50	0.0028 U	0.0028 U	0.0027 U
1,4-Dioxane	0.1	13	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	NS	NS	0.014 U	0.015 U	2.9 U	0.014 U	0.014 U	0.013 U
2-Butanone	0.12	100	0.029 U	0.03 U	5.8 U	0.028 U	0.028 U	0.027 U
2-Hexanone	NS	NS	0.029 U	0.03 U	5.8 U	0.028 U	0.028 U	0.027 U
4-Ethyltoluene	NS	NS	0.0029 U	0.003 U	63	0.0028 U	0.0028 U	0.0027 U
4-Methyl-2-pentanone	NS	NS	0.029 U	0.03 U	5.8 U	0.028 U	0.028 U	0.027 U
Acetone	0.05	100	0.029 U	0.03 U	**6.1**	0.028 U	0.028 U	0.027 U
Acrylonitrile	NS	NS	NA	NA	NA	NA	NA	NA
Benzene	0.06	4.8	0.0029 U	0.0084	0.58 U	0.0028 U	0.0028 U	0.0027 U
Bromobenzene	NS	NS	0.014 U	0.015 U	2.9 U	0.014 U	0.014 U	0.013 U
Bromochloromethane	NS	NS	0.014 U	0.015 U	2.9 U	0.014 U	0.014 U	0.013 U
Bromodichloromethane	NS	NS	0.0029 U	0.003 U	0.58 U	0.0028 U	0.0028 U	0.0027 U
Bromoform	NS	NS	0.011 U	0.012 U	2.3 U	0.011 U	0.011 U	0.011 U
Bromomethane	NS	NS	0.0057 U	0.006 U	1.2 U	0.0057 U	0.0056 U	0.0054 U
Carbon disulfide	NS	NS	0.029 U	0.03 U	5.8 U	0.028 U	0.028 U	0.027 U
Carbon tetrachloride	0.76	2.4	0.0029 U	0.003 U	0.58 U	0.0028 U	0.0028 U	0.0027 U
Chlorobenzene	1.1	100	0.0029 U	0.003 U	0.58 U	0.0028 U	0.0028 U	0.0027 U
Chloroethane	NS	NS	0.0057 U	0.006 U	1.2 U	0.0057 U	0.0056 U	0.0054 U
Chloroform	0.37	49	0.0043 U	0.0045 U	0.87 U	0.0043 U	0.0042 U	0.004 U
Chloromethane	NS	NS	0.014 U	0.015 U	2.9 U	0.014 U	0.014 U	0.013 U
cis-1,2-Dichloroethene	0.25	100	0.0029 U	0.003 U	0.58 U	0.0028 U	0.0028 U	0.0027 U
cis-1,3-Dichloropropene	NS	NS	0.0029 U	0.003 U	0.58 U	0.0028 U	0.0028 U	0.0027 U
Dibromochloromethane	NS	NS	0.0029 U	0.003 U	0.58 U	0.0028 U	0.0028 U	0.0027 U
Dibromomethane	NS	NS	0.029 U	0.03 U	5.8 U	0.028 U	0.028 U	0.027 U
Dichlorodifluoromethane	NS	NS	0.029 U	0.03 U	5.8 U	0.028 U	0.028 U	0.027 U
Ethyl ether	NS	NS	NA	NA	NA	NA	NA	NA
Ethylbenzene	1	41	0.0029 U	0.003 U	**9.5**	0.0028 U	0.0028 U	0.0027 U
Hexachlorobutadiene	NS	NS	0.014 U	0.015 U	2.9 U	0.014 U	0.014 U	0.013 U
Isopropylbenzene	NS	NS	0.0029 U	0.003 U	6.7	0.0028 U	0.0028 U	0.0027 U
Methyl tert butyl ether	0.93	100	0.0057 U	0.006 U	1.2 U	0.0057 U	0.0056 U	0.0054 U
Methylene chloride	0.05	100	0.029 U	0.03 U	5.8 U	0.028 U	0.028 U	0.027 U
Naphthalene	12	100	0.014 U	0.015 U	**44**	0.018	0.014 U	0.013 U
n-Butylbenzene	12	100	0.0029 U	0.003 U	12	0.0028 U	0.0028 U	0.0027 U
n-Propylbenzene	3.9	100	0.0029 U	0.003 U	**11**	0.0028 U	0.0028 U	0.0027 U
o-Chlorotoluene	NS	NS	0.014 U	0.015 U	2.9 U	0.014 U	0.014 U	0.013 U
o-Xylene	NS	NS	0.0057 U	0.006 U	3.6	0.0057 U	0.0056 U	0.0054 U
p/m-Xylene	NS	NS	0.0057 U	0.006 U	38	0.0057 U	0.0056 U	0.0054 U
p-Chlorotoluene	NS	NS	0.014 U	0.015 U	2.9 U	0.014 U	0.014 U	0.013 U
p-Isopropyltoluene	NS	NS	0.0029 U	0.003 U	11	0.0028 U	0.0028 U	0.0027 U
sec-Butylbenzene	11	100	0.0029 U	0.003 U	4.4	0.0028 U	0.0028 U	0.0027 U
Styrene	NS	NS	0.0057 U	0.006 U	1.2 U	0.0057 U	0.0056 U	0.0054 U
tert-Butylbenzene	5.9	100	0.014 U	0.015 U	2.9 U	0.014 U	0.014 U	0.013 U
Tetrachloroethene	1.3	19	0.0029 U	0.003 U	0.58 U	0.0028 U	0.0028 U	0.0027 U
Toluene	0.7	100	0.0043 U	0.013	0.87 U	0.0043 U	0.0042 U	0.004 U
trans-1,2-Dichloroethene	0.19	100	0.0043 U	0.0045 U	0.87 U	0.0043 U	0.0042 U	0.004 U
trans-1,3-Dichloropropene	NS	NS	0.0029 U	0.003 U	0.58 U	0.0028 U	0.0028 U	0.0027 U
trans-1,4-Dichloro-2-butene	NS	NS	NA	NA	NA	NA	NA	NA
Trichloroethene	0.47	21	0.0029 U	0.003 U	0.58 U	0.0028 U	0.0028 U	0.0027 U
Trichlorofluoromethane	NS	NS	0.014 U	0.015 U	2.9 U	0.014 U	0.014 U	0.013 U
Vinyl acetate	NS	NS	0.029 U	0.03 U	5.8 U	0.028 U	0.028 U	0.027 U
Vinyl chloride	0.02	0.9	0.0057 U	0.006 U	1.2 U	0.0057 U	0.0056 U	0.0054 U
Xylene (Total)	0.26	100	ND	ND	**41.6**	ND	ND	ND

Table 1
487 West 129th Street
New York, NY
Subsurface (Phase II) Investigation Soil Analytical Results
Volatile Organic Compounds

Client ID Lab Sample ID Date Sampled Dilution mg/kg	NYSDEC Part 375 Unrestricted SCO mg/kg	NYSDEC Part 375 Restricted Residential SCO mg/kg	SB-5 (0-3') L0802902-08 2/29/2008 1	SB-5 (5-7') L0802902-09 2/29/2008 1	WC-1-8'-10' L1423865-05 10/8/2014 1	WC-1-12'-14' L1423865-06 10/8/2014 1	WC-2-3'-5' L1423865-07 10/7/2014 1	WC-2-12'-14' L1423865-08 10/7/2014 10
1,1,1,2-Tetrachloroethane	NS	NS	0.0027 U	0.0026 U	0.00036 U	0.00038 U	0.00054 U	0.28 U
1,1,1-Trichloroethane	0.68	100	0.0027 U	0.0026 U	0.00012 U	0.00013 U	0.00019 U	0.098 U
1,1,2,2-Tetrachloroethane	NS	NS	0.0027 U	0.0026 U	0.00011 U	0.00012 U	0.00017 U	0.089 U
1,1,2-Trichloroethane	NS	NS	0.0041 U	0.004 U	0.00034 U	0.00037 U	0.00051 U	0.27 U
1,1-Dichloroethane	0.27	26	0.0041 U	0.004 U	0.0001 U	0.0001 U	0.00014 U	0.076 U
1,1-Dichloroethene	0.33	100	0.0027 U	0.0026 U	0.00029 U	0.00032 U	0.00044 U	0.23 U
1,1-Dichloropropene	NS	NS	0.014 U	0.013 U	0.00016 U	0.00017 U	0.00024 U	0.12 U
1,2,3-Trichlorobenzene	NS	NS	0.014 U	0.013 U	0.00016 U	0.00018 U	0.00025 U	0.13 U
1,2,3-Trichloropropane	NS	NS	0.027 U	0.026 U	0.00018 U	0.0002 U	0.00028 U	0.14 U
1,2,4,5-Tetramethylbenzene	NS	NS	0.0027 U	0.0026 U	0.00014 U	0.00016 U	0.00022 U	5.5
1,2,4-Trichlorobenzene	NS	NS	0.014 U	0.013 U	0.0002 U	0.00022 U	0.00031 U	0.16 U
1,2,4-Trimethylbenzene	3.6	52	0.014 U	0.013 U	0.00016 U	0.00017 U	0.0038 J	**19**
1,2-Dibromo-3-chloropropane	NS	NS	0.014 U	0.013 U	0.00044 U	0.00048 U	0.00067 U	0.35 U
1,2-Dibromoethane	NS	NS	0.011 U	0.011 U	0.00019 U	0.00021 U	0.0003 U	0.15 U
1,2-Dichlorobenzene	1.1	100	0.014 U	0.013 U	0.00017 U	0.00018 U	0.00026 U	0.14 U
1,2-Dichloroethane	0.02	3.1	0.0027 U	0.0026 U	0.00013 U	0.00014 U	0.00019 U	0.1 U
1,2-Dichloroethene (total)	NS	NS	NA	NA	0.00016 U	0.00017 U	0.00024 U	0.13 U
1,2-Dichloropropane	NS	NS	0.0095 U	0.0093 U	0.00025 U	0.00028 U	0.00039 U	0.2 U
1,3,5-Trimethylbenzene	8.4	52	0.014 U	0.013 U	0.00016 U	0.00017 U	0.00024 U	0.13 U
1,3-Dichlorobenzene	2.4	49	0.014 U	0.013 U	0.00015 U	0.00016 U	0.00023 U	0.12 U
1,3-Dichloropropane	NS	NS	0.014 U	0.013 U	0.00016 U	0.00018 U	0.00024 U	0.13 U
1,3-Dichloropropene, Total	NS	NS	NA	NA	0.00013 U	0.00014 U	0.0002 U	0.1 U
1,4-Dichlorobenzene	1.8	13	0.014 U	0.013 U	0.00015 U	0.00017 U	0.00023 U	0.12 U
1,4-Diethylbenzene	NS	NS	0.0027 U	0.0026 U	0.00018 U	0.00019 U	0.002 J	5.8
1,4-Dioxane	0.1	13	NA	NA	0.016 U	0.017 U	0.024 U	13 U
2,2-Dichloropropane	NS	NS	0.014 U	0.013 U	0.00025 U	0.00027 U	0.00038 U	0.2 U
2-Butanone	0.12	100	0.027 U	0.026 U	0.0003 U	0.00033 U	0.00046 U	0.24 U
2-Hexanone	NS	NS	0.027 U	0.026 U	0.00074 U	0.00081 U	0.0011 U	0.59 U
4-Ethyltoluene	NS	NS	0.0027 U	0.0026 U	0.00014 U	0.00015 U	0.0079	6.3
4-Methyl-2-pentanone	NS	NS	0.027 U	0.026 U	0.00027 U	0.0003 U	0.00041 U	0.22 U
Acetone	0.05	100	0.027 U	0.031	0.0012 U	0.0012 U	0.0086 J	**1.6** J
Acrylonitrile	NS	NS	NA	NA	0.00057 U	0.00062 U	0.00087 U	0.46 U
Benzene	0.06	4.8	0.0027 U	0.0026 U	0.00013 U	0.00014 U	0.054	0.1 U
Bromobenzene	NS	NS	0.014 U	0.013 U	0.00023 U	0.00025 U	0.00035 U	0.18 U
Bromochloromethane	NS	NS	0.014 U	0.013 U	0.00031 U	0.00033 U	0.00047 U	0.24 U
Bromodichloromethane	NS	NS	0.0027 U	0.0026 U	0.00019 U	0.00021 U	0.00029 U	0.15 U
Bromoform	NS	NS	0.011 U	0.011 U	0.00026 U	0.00029 U	0.0004 U	0.21 U
Bromomethane	NS	NS	0.0054 U	0.0053 U	0.00038 U	0.00041 U	0.00057 U	0.3 U
Carbon disulfide	NS	NS	0.027 U	0.026 U	0.0012 U	0.0013 U	0.0019 U	0.98 U
Carbon tetrachloride	0.76	2.4	0.0027 U	0.0026 U	0.00023 U	0.00025 U	0.00036 U	0.18 U
Chlorobenzene	1.1	100	0.0027 U	0.0026 U	0.00039 U	0.00042 U	0.00059 U	0.31 U
Chloroethane	NS	NS	0.0054 U	0.0053 U	0.00035 U	0.00038 U	0.00054 U	0.28 U
Chloroform	0.37	49	0.0041 U	0.004 U	0.00041 U	0.00045 U	0.00063 U	0.33 U
Chloromethane	NS	NS	0.014 U	0.013 U	0.00033 U	0.00036 U	0.0005 U	0.26 U
cis-1,2-Dichloroethene	0.25	100	0.0027 U	0.0026 U	0.00016 U	0.00017 U	0.00024 U	0.13 U
cis-1,3-Dichloropropene	NS	NS	0.0027 U	0.0026 U	0.00013 U	0.00014 U	0.0002 U	0.1 U
Dibromochloromethane	NS	NS	0.0027 U	0.0026 U	0.00017 U	0.00019 U	0.00026 U	0.14 U
Dibromomethane	NS	NS	0.027 U	0.026 U	0.00018 U	0.0002 U	0.00028 U	0.14 U
Dichlorodifluoromethane	NS	NS	0.027 U	0.026 U	0.00021 U	0.00023 U	0.00032 U	0.17 U
Ethyl ether	NS	NS	NA	NA	0.00047 J	0.00062 J	0.00044 U	0.96 J
Ethylbenzene	1	41	0.0027 U	0.0026 U	0.00014 U	0.00015 U	0.0048	0.11 U
Hexachlorobutadiene	NS	NS	0.014 U	0.013 U	0.00025 U	0.00028 U	0.00039 U	0.2 U
Isopropylbenzene	NS	NS	0.0027 U	0.0026 U	0.00012 U	0.00012 U	0.00018 U	0.89
Methyl tert butyl ether	0.93	100	0.0054 U	0.0053 U	0.00009 U	0.0001 U	0.00014 U	0.075 U
Methylene chloride	0.05	100	0.027 U	0.026 U	0.0012 U	0.0013 U	0.0019 U	**2.7** J
Naphthalene	12	100	0.014 U	0.013 U	0.00015 U	0.00017 U	0.0037 J	1.6 J
n-Butylbenzene	12	100	0.0027 U	0.0026 U	0.00013 U	0.00014 U	0.00019 U	2.5
n-Propylbenzene	3.9	100	0.0027 U	0.0026 U	0.00012 U	0.00013 U	0.00018 U	1.5
o-Chlorotoluene	NS	NS	0.014 U	0.013 U	0.00018 U	0.00019 U	0.00027 U	0.14 U
o-Xylene	NS	NS	0.0054 U	0.0053 U	0.00019 U	0.00021 U	0.0062	0.15 U
p/m-Xylene	NS	NS	0.0054 U	0.0053 U	0.00022 U	0.00024 U	0.029	1.2 J
p-Chlorotoluene	NS	NS	0.014 U	0.013 U	0.00015 U	0.00016 U	0.00022 U	0.12 U
p-Isopropyltoluene	NS	NS	0.0027 U	0.0026 U	0.00014 U	0.00015 U	0.00021 U	6.3
sec-Butylbenzene	11	100	0.0027 U	0.0026 U	0.00014 U	0.00015 U	0.00021 U	1.8
Styrene	NS	NS	0.0054 U	0.0053 U	0.00045 U	0.00049 U	0.00068 U	0.36 U
tert-Butylbenzene	5.9	100	0.014 U	0.013 U	0.00015 U	0.00016 U	0.00023 U	0.12 U
Tetrachloroethene	1.3	19	0.0027 U	0.0026 U	0.00016 U	0.00017 U	0.00024 U	0.12 U
Toluene	0.7	100	0.0041 U	0.004 U	0.00022 U	0.00024 U	0.076	0.17 U
trans-1,2-Dichloroethene	0.19	100	0.0041 U	0.004 U	0.00024 U	0.00026 U	0.00036 U	0.19 U
trans-1,3-Dichloropropene	NS	NS	0.0027 U	0.0026 U	0.00014 U	0.00015 U	0.0002 U	0.11 U
trans-1,4-Dichloro-2-butene	NS	NS	NA	NA	0.00044 U	0.00048 U	0.00066 U	0.35 U
Trichloroethene	0.47	21	0.0027 U	0.0026 U	0.00014 U	0.00015 U	0.00021 U	0.11 U
Trichlorofluoromethane	NS	NS	0.014 U	0.013 U	0.00043 U	0.00047 U	0.00066 U	0.34 U
Vinyl acetate	NS	NS	0.027 U	0.026 U	0.00015 U	0.00016 U	0.00022 U	0.12 U
Vinyl chloride	0.02	0.9	0.0054 U	0.0053 U	0.00013 U	0.00014 U	0.0002 U	0.1 U
Xylene (Total)	0.26	100	ND	ND	0.00019 U	0.00021 U	0.035	**1.2** J

Table 1
487 West 129th Street
New York, NY
Subsurface (Phase II) Investigation Soil Analytical Results
Volatile Organic Compounds

Client ID	NYSDEC	NYSDEC	WC-3 3'-5'	WC-3 26'-28'	WC-4-7'-9'	WC-4 26'-28'	FB-1	TB-1
Lab Sample ID	Part 375	Part 375	L1423865-09	L1423865-10	L1423865-11	L1423865-12	L0802902-01	L0802902-11
Date Sampled	Unrestricted	Restricted	10/7/2014	10/7/2014	10/7/2014	10/7/2014	2/29/1908	2/25/1908
Dilution	SCO	Residential	1	1	1	1	1	1
		SCO						
mg/kg	mg/kg	mg/kg					ug/L	ug/L
1,1,1,2-Tetrachloroethane	NS	NS	0.00035 U	0.00036 U	0.00032 U	0.00041 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.68	100	0.00012 U	0.00012 U	0.00011 U	0.00014 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	NS	NS	0.00011 U	0.00011 U	0.0001 U	0.00013 U	0.5 U	0.5 U
1,1,2-Trichloroethane	NS	NS	0.00034 U	0.00034 U	0.0003 U	0.00039 U	0.75 U	0.75 U
1,1-Dichloroethane	0.27	26	0.0001 U	0.0001 U	0.00009 U	0.00011 U	0.75 U	0.75 U
1,1-Dichloroethene	0.33	100	0.00029 U	0.0003 U	0.00026 U	0.00034 U	0.5 U	0.5 U
1,1-Dichloropropene	NS	NS	0.00016 U	0.00016 U	0.00014 U	0.00018 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene	NS	NS	0.00016 U	0.00017 U	0.00015 U	0.00019 U	2.5 U	2.5 U
1,2,3-Trichloropropane	NS	NS	0.00018 U	0.00018 U	0.00016 U	0.00021 U	5 U	5 U
1,2,4,5-Tetramethylbenzene	NS	NS	0.00014 U	0.00015 U	0.00013 U	0.00017 U	NA	NA
1,2,4-Trichlorobenzene	NS	NS	0.0002 U	0.0002 U	0.00018 U	0.00023 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	3.6	52	0.00016 U	0.00016 U	0.00014 U	0.00018 U	2.5 U	2.5 U
1,2-Dibromo-3-chloropropane	NS	NS	0.00044 U	0.00045 U	0.00039 U	0.00051 U	2.5 U	2.5 U
1,2-Dibromoethane	NS	NS	0.00019 U	0.0002 U	0.00017 U	0.00022 U	2 U	2 U
1,2-Dichlorobenzene	1.1	100	0.00017 U	0.00017 U	0.00015 U	0.0002 U	2.5 U	2.5 U
1,2-Dichloroethane	0.02	3.1	0.00012 U	0.00013 U	0.00011 U	0.00014 U	0.5 U	0.5 U
1,2-Dichloroethene (total)	NS	NS	0.00016 U	0.00016 U	0.00014 U	0.00018 U	NA	NA
1,2-Dichloropropane	NS	NS	0.00025 U	0.00026 U	0.00023 U	0.00029 U	1.8 U	1.8 U
1,3,5-Trimethylbenzene	8.4	52	0.00016 U	0.00016 U	0.00014 U	0.00018 U	2.5 U	2.5 U
1,3-Dichlorobenzene	2.4	49	0.00015 U	0.00015 U	0.00013 U	0.00017 U	2.5 U	2.5 U
1,3-Dichloropropane	NS	NS	0.00016 U	0.00016 U	0.00014 U	0.00019 U	2.5 U	2.5 U
1,3-Dichloropropene, Total	NS	NS	0.00013 U	0.00013 U	0.00012 U	0.00015 U	NA	NA
1,4-Dichlorobenzene	1.8	13	0.00015 U	0.00016 U	0.00014 U	0.00018 U	2.5 U	2.5 U
1,4-Diethylbenzene	NS	NS	0.00018 U	0.00018 U	0.00016 U	0.0002 U	NA	NA
1,4-Dioxane	0.1	13	0.016 U	0.016 U	0.014 U	0.018 U	NA	NA
2,2-Dichloropropane	NS	NS	0.00025 U	0.00026 U	0.00022 U	0.00029 U	2.5 U	2.5 U
2-Butanone	0.12	100	0.0003 U	0.00031 U	0.00027 U	0.00035 U	5 U	5 U
2-Hexanone	NS	NS	0.00074 U	0.00075 U	0.00066 U	0.00085 U	5 U	5 U
4-Ethyltoluene	NS	NS	0.00014 U	0.00014 U	0.00012 U	0.00016 U	NA	NA
4-Methyl-2-pentanone	NS	NS	0.00027 U	0.00028 U	0.00024 U	0.00031 U	5 U	5 U
Acetone	0.05	100	0.0011 U	0.0012 U	0.001 U	0.0013 U	5 U	5 U
Acrylonitrile	NS	NS	0.00057 U	0.00058 U	0.00051 U	0.00066 U	NA	NA
Benzene	0.06	4.8	0.00013 U	0.00013 U	0.00012 U	0.00015 U	0.5 U	0.5 U
Bromobenzene	NS	NS	0.00023 U	0.00023 U	0.00021 U	0.00027 U	2.5 U	2.5 U
Bromochloromethane	NS	NS	0.0003 U	0.00031 U	0.00027 U	0.00035 U	2.5 U	2.5 U
Bromodichloromethane	NS	NS	0.00019 U	0.0002 U	0.00017 U	0.00022 U	0.5 U	0.5 U
Bromoform	NS	NS	0.00026 U	0.00027 U	0.00023 U	0.0003 U	2 U	2 U
Bromomethane	NS	NS	0.00037 U	0.00038 U	0.00034 U	0.00043 U	1 U	1 U
Carbon disulfide	NS	NS	0.0012 U	0.0012 U	0.0011 U	0.0014 U	5 U	5 U
Carbon tetrachloride	0.76	2.4	0.00023 U	0.00024 U	0.00021 U	0.00027 U	0.5 U	0.5 U
Chlorobenzene	1.1	100	0.00038 U	0.00039 U	0.00034 U	0.00044 U	0.5 U	0.5 U
Chloroethane	NS	NS	0.00035 U	0.00036 U	0.00031 U	0.0004 U	1 U	1 U
Chloroform	0.37	49	0.00041 U	0.00042 U	0.00037 U	0.00047 U	0.75 U	0.75 U
Chloromethane	NS	NS	0.00032 U	0.00033 U	0.00029 U	0.00038 U	2.5 U	2.5 U
cis-1,2-Dichloroethene	0.25	100	0.00016 U	0.00016 U	0.00014 U	0.00018 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	NS	NS	0.00013 U	0.00013 U	0.00012 U	0.00015 U	0.5 U	0.5 U
Dibromochloromethane	NS	NS	0.00017 U	0.00017 U	0.00015 U	0.0002 U	0.5 U	0.5 U
Dibromomethane	NS	NS	0.00018 U	0.00018 U	0.00016 U	0.00021 U	5 U	5 U
Dichlorodifluoromethane	NS	NS	0.00021 U	0.00022 U	0.00019 U	0.00024 U	5 U	5 U
Ethyl ether	NS	NS	0.00029 U	0.00029 U	0.00026 U	0.00033 U	NA	NA
Ethylbenzene	1	41	0.00014 U	0.00014 U	0.00013 U	0.00016 U	0.5 U	0.5 U
Hexachlorobutadiene	NS	NS	0.00025 U	0.00026 U	0.00023 U	0.00029 U	0.6 U	0.6 U
Isopropylbenzene	NS	NS	0.00011 U	0.00012 U	0.0001 U	0.00013 U	0.5 U	0.5 U
Methyl tert butyl ether	0.93	100	0.00009 U	0.0001 U	0.00008 U	0.00011 U	1 U	1 U
Methylene chloride	0.05	100	0.0012 U	0.0028 J	0.0011 U	0.0046 J	5 U	5 U
Naphthalene	12	100	0.00015 U	0.00016 U	0.00014 U	0.00018 U	2.5 U	2.5 U
n-Butylbenzene	12	100	0.00013 U	0.00013 U	0.00011 U	0.00015 U	0.5 U	0.5 U
n-Propylbenzene	3.9	100	0.00012 U	0.00012 U	0.00011 U	0.00014 U	0.5 U	0.5 U
o-Chlorotoluene	NS	NS	0.00018 U	0.00018 U	0.00016 U	0.0002 U	2.5 U	2.5 U
o-Xylene	NS	NS	0.00019 U	0.00019 U	0.00017 U	0.00022 U	1 U	1 U
p/m-Xylene	NS	NS	0.00022 U	0.00022 U	0.0002 U	0.00085 J	1 U	1 U
p-Chlorotoluene	NS	NS	0.00015 U	0.00015 U	0.00013 U	0.00017 U	2.5 U	2.5 U
p-Isopropyltoluene	NS	NS	0.00014 U	0.00014 U	0.00012 U	0.00016 U	0.5 U	0.5 U
sec-Butylbenzene	11	100	0.00013 U	0.00014 U	0.00012 U	0.00016 U	0.5 U	0.5 U
Styrene	NS	NS	0.00044 U	0.00045 U	0.0004 U	0.00052 U	1 U	1 U
tert-Butylbenzene	5.9	100	0.00015 U	0.00015 U	0.00013 U	0.00017 U	2.5 U	2.5 U
Tetrachloroethene	1.3	19	0.00015 U	0.00016 U	0.00014 U	0.00018 U	0.5 U	0.5 U
Toluene	0.7	100	0.00022 U	0.00022 U	0.00019 U	0.00025 U	0.75 U	0.75 U
trans-1,2-Dichloroethene	0.19	100	0.00023 U	0.00024 U	0.00021 U	0.00027 U	0.75 U	0.75 U
trans-1,3-Dichloropropene	NS	NS	0.00013 U	0.00014 U	0.00012 U	0.00015 U	0.5 U	0.5 U
trans-1,4-Dichloro-2-butene	NS	NS	0.00043 U	0.00044 U	0.00039 U	0.0005 U	NA	NA
Trichloroethene	0.47	21	0.00014 U	0.00014 U	0.00012 U	0.00016 U	0.5 U	0.5 U
Trichlorofluoromethane	NS	NS	0.00043 U	0.00044 U	0.00038 U	0.0005 U	2.5 U	2.5 U
Vinyl acetate	NS	NS	0.00015 U	0.00015 U	0.00013 U	0.00017 U	5 U	5 U
Vinyl chloride	0.02	0.9	0.00013 U	0.00013 U	0.00012 U	0.00015 U	1 U	1 U
Xylene (Total)	0.26	100	0.00019 U	0.00019 U	0.00017 U	0.00085 J	ND	ND

Table 2
487 West 129th Street
New York, NY
Subsurface (Phase II) Investigation Soil Analytical Results
Semivolatile Organic Compounds

Client ID Lab Sample ID Date Sampled Dilution mg/kg	NYSDEC Part 375 Unrestricted SCO mg/kg	NYSDEC Part 375 Restricted Residential SCO mg/kg	SB-1 (0-2') L0802902-02 2/29/2008 1	SB-2 (0-2') L0802902-03 2/29/2008 1	SB-2 (12-14') L0802902-04 2/29/2008 1	SB-3 (0-2') L0802902-05 2/29/2008 1	SB-4 (0-3') L0802902-06 2/29/2008 1	SB-4 (5-7') L0802902-07 2/29/2008 1
1,2,4,5-Tetrachlorobenzene	NS	NS	1.5 U	7.9 U	1.6 U	38 U	37 U	36 U
1,2,4-Trichlorobenzene	NS	NS	0.38 U	2 U	0.39 U	9.5 U	9.4 U	9 U
1,2-Dichlorobenzene	1.1	100	0.38 U	2 U	0.39 U	9.5 U	9.4 U	9 U
1,3-Dichlorobenzene	2.4	49	0.38 U	2 U	0.39 U	9.5 U	9.4 U	9 U
1,4-Dichlorobenzene	1.8	13	0.38 U	2 U	0.39 U	9.5 U	9.4 U	9 U
2,4,5-Trichlorophenol	NS	NS	0.38 U	2 U	0.39 U	9.5 U	9.4 U	9 U
2,4,6-Trichlorophenol	NS	NS	0.38 U	2 U	0.39 U	9.5 U	9.4 U	9 U
2,4-Dichlorophenol	NS	NS	0.77 U	4 U	0.78 U	19 U	19 U	18 U
2,4-Dimethylphenol	NS	NS	0.38 U	2 U	0.39 U	9.5 U	9.4 U	9 U
2,4-Dinitrophenol	NS	NS	1.5 U	7.9 U	1.6 U	38 U	37 U	36 U
2,4-Dinitrotoluene	NS	NS	0.38 U	2 U	0.39 U	9.5 U	9.4 U	9 U
2,6-Dinitrotoluene	NS	NS	0.38 U	2 U	0.39 U	9.5 U	9.4 U	9 U
2-Chloronaphthalene	NS	NS	0.46 U	2.4 U	0.46 U	11 U	11 U	11 U
2-Chlorophenol	NS	NS	0.46 U	2.4 U	0.46 U	11 U	11 U	11 U
2-Methylnaphthalene	NS	NS	0.38 U	2 U	5.7	9.5 U	9.4 U	9 U
2-Methylphenol	0.33	100	0.46 U	2.4 U	0.46 U	11 U	11 U	11 U
2-Nitroaniline	NS	NS	0.38 U	2 U	0.39 U	9.5 U	9.4 U	9 U
2-Nitrophenol	NS	NS	1.5 U	7.9 U	1.6 U	38 U	37 U	36 U
3,3'-Dichlorobenzidine	NS	NS	0.77 U	4 U	0.78 U	19 U	19 U	18 U
3-Methylphenol/4-Methylphenol	0.33	100	0.46 U	2.4 U	0.46 U	11 U	11 U	11 U
3-Nitroaniline	NS	NS	0.38 U	2 U	0.39 U	9.5 U	9.4 U	9 U
4,6-Dinitro-o-cresol	NS	NS	1.5 U	7.9 U	1.6 U	38 U	37 U	36 U
4-Bromophenyl phenyl ether	NS	NS	0.38 U	2 U	0.39 U	9.5 U	9.4 U	9 U
4-Chloroaniline	NS	NS	0.38 U	2 U	0.39 U	9.5 U	9.4 U	9 U
4-Chlorophenyl phenyl ether	NS	NS	0.38 U	2 U	0.39 U	9.5 U	9.4 U	9 U
4-Nitroaniline	NS	NS	0.54 U	2.8 U	0.54 U	13 U	13 U	12 U
4-Nitrophenol	NS	NS	0.77 U	4 U	0.78 U	19 U	19 U	18 U
Acenaphthene	20	100	0.38 U	2 U	0.39 U	9.5 U	9.4 U	9 U
Acenaphthylene	100	100	0.38 U	2 U	0.39 U	9.5 U	9.4 U	9 U
Acetophenone	NS	NS	1.5 U	7.9 U	1.6 U	38 U	37 U	36 U
Anthracene	100	100	0.38 U	2 U	0.39 U	16	9.4 U	9 U
Benzo(a)anthracene	1	1	0.43	2 U	0.39 U	**26**	9.4 U	9 U
Benzo(a)pyrene	1	1	0.38	2 U	0.39 U	**23**	9.4 U	9 U
Benzo(b)fluoranthene	1	1	0.45	2 U	0.39 U	**28**	9.4 U	9 U
Benzo(ghi)perylene	100	100	0.38 U	2 U	0.39 U	14	9.4 U	9 U
Benzo(k)fluoranthene	0.8	3.9	0.38 U	2 U	0.39 U	9.5 U	9.4 U	9 U
Benzoic Acid	NS	NS	3.8 U	20 U	3.9 U	95 U	94 U	90 U
Benzyl Alcohol	NS	NS	0.77 U	4 U	0.78 U	19 U	19 U	18 U
Biphenyl	NS	NS	0.38 U	2 U	0.39 U	9.5 U	9.4 U	9 U
Bis(2-chloroethoxy)methane	NS	NS	0.38 U	2 U	0.39 U	9.5 U	9.4 U	9 U
Bis(2-chloroethyl)ether	NS	NS	0.38 U	2 U	0.39 U	9.5 U	9.4 U	9 U
Bis(2-chloroisopropyl)ether	NS	NS	0.38 U	2 U	0.39 U	9.5 U	9.4 U	9 U
Bis(2-Ethylhexyl)phthalate	NS	NS	0.77 U	4 U	0.78 U	19 U	19 U	18 U
Butyl benzyl phthalate	NS	NS	0.38 U	2 U	0.39 U	9.5 U	9.4 U	9 U
Carbazole	NS	NS	0.38 U	2 U	0.39 U	9.5 U	9.4 U	9 U
Chrysene	1	3.9	0.4	2 U	0.39 U	**23**	9.4 U	9 U
Dibenzo(a,h)anthracene	0.33	0.33	0.38 U	2 U	0.39 U	9.5 U	9.4 U	9 U
Dibenzofuran	7	59	0.38 U	2 U	0.39 U	9.5 U	9.4 U	9 U
Diethyl phthalate	NS	NS	0.38 U	2 U	0.39 U	9.5 U	9.4 U	9 U
Dimethyl phthalate	NS	NS	0.38 U	2 U	0.39 U	9.5 U	9.4 U	9 U
Di-n-butylphthalate	NS	NS	0.38 U	2 U	0.39 U	9.5 U	9.4 U	9 U
Di-n-octylphthalate	NS	NS	0.38 U	2 U	0.39 U	9.5 U	9.4 U	9 U
Fluoranthene	100	100	0.8	2 U	0.39 U	49	9.4 U	9 U
Fluorene	30	100	0.38 U	2 U	0.39 U	9.5 U	9.4 U	9 U
Hexachlorobenzene	0.33	1.2	0.38 U	2 U	0.39 U	9.5 U	9.4 U	9 U
Hexachlorobutadiene	NS	NS	0.77 U	4 U	0.78 U	19 U	19 U	18 U
Hexachlorocyclopentadiene	NS	NS	0.77 U	4 U	0.78 U	19 U	19 U	18 U
Hexachloroethane	NS	NS	0.38 U	2 U	0.39 U	9.5 U	9.4 U	9 U
Indeno(1,2,3-cd)Pyrene	0.5	0.5	0.38 U	2 U	0.39 U	**12**	9.4 U	9 U
Isophorone	NS	NS	0.38 U	2 U	0.39 U	9.5 U	9.4 U	9 U
Naphthalene	12	100	0.38 U	2 U	0.39 U	9.5 U	9.4 U	9 U
Nitrobenzene	NS	NS	0.38 U	2.1	9.9	9.5 U	9.4 U	9 U
NitrosoDiPhenylAmine(NDPA)/DPA	NS	NS	0.38 U	2 U	0.39 U	9.5 U	9.4 U	9 U
n-Nitrosodi-n-propylamine	NS	NS	1.1 U	6 U	1.2 U	28 U	28 U	27 U
P-Chloro-M-Cresol	NS	NS	0.38 U	2 U	0.39 U	9.5 U	9.4 U	9 U
Pentachlorophenol	0.8	6.7	1.5 U	7.9 U	1.6 U	38 U	37 U	36 U
Phenanthrene	100	100	0.85	2 U	0.53	51	9.4 U	9 U
Phenol	0.33	100	0.54 U	2.8 U	0.54 U	13 U	13 U	12 U
Pyrene	100	100	0.82	2 U	0.39 U	40	9.4 U	9 U

Note: † = Dilution factor varies.

Table 2
487 West 129th Street
New York, NY
Subsurface (Phase II) Investigation Soil Analytical Results
Semivolatile Organic Compounds

Client ID Lab Sample ID Date Sampled Dilution mg/kg	NYSDEC Part 375 Unrestricted SCO mg/kg	NYSDEC Part 375 Restricted Residential SCO mg/kg	SB-5 (0-3') L0802902-08 2/29/2008 1	SB-5 (5-7') L0802902-09 2/29/2008 1	WC-1-8'-10' L1423865-05 10/8/2014 1	WC-1-12'-14' L1423865-06 10/8/2014 1	WC-2-3'-5' L1423865-07 10/7/2014 1/100 †	WC-2-12'-14' L1423865-08 10/7/2014 1
1,2,4,5-Tetrachlorobenzene	NS	NS	1.4 U	14 U	0.059 U	0.065 U	0.064 U	0.063 U
1,2,4-Trichlorobenzene	NS	NS	0.36 U	3.5 U	0.062 U	0.069 U	0.068 U	0.066 U
1,2-Dichlorobenzene	1.1	100	0.36 U	3.5 U	0.062 U	0.069 U	0.068 U	0.066 U
1,3-Dichlorobenzene	2.4	49	0.36 U	3.5 U	0.06 U	0.066 U	0.065 U	0.064 U
1,4-Dichlorobenzene	1.8	13	0.36 U	3.5 U	0.058 U	0.064 U	0.063 U	0.061 U
2,4,5-Trichlorophenol	NS	NS	0.36 U	3.5 U	0.061 U	0.068 U	0.067 U	0.065 U
2,4,6-Trichlorophenol	NS	NS	0.36 U	3.5 U	0.036 U	0.04 U	0.039 U	0.038 U
2,4-Dichlorophenol	NS	NS	0.72 U	7.1 U	0.061 U	0.068 U	0.067 U	0.065 U
2,4-Dimethylphenol	NS	NS	0.36 U	3.5 U	0.056 U	0.063 U	0.062 U	0.06 U
2,4-Dinitrophenol	NS	NS	1.4 U	14 U	0.26 U	0.29 U	0.28 U	0.28 U
2,4-Dinitrotoluene	NS	NS	0.36 U	3.5 U	0.041 U	0.045 U	0.045 U	0.044 U
2,6-Dinitrotoluene	NS	NS	0.36 U	3.5 U	0.048 U	0.054 U	0.053 U	0.052 U
2-Chloronaphthalene	NS	NS	0.43 U	4.2 U	0.002 U	0.0022 U	0.22 U	0.0021 U
2-Chlorophenol	NS	NS	0.43 U	4.2 U	0.057 U	0.063 U	0.062 U	0.061 U
2-Methylnaphthalene	NS	NS	0.36 U	3.5 U	0.0009 U	0.001 U	3	0.19
2-Methylphenol	0.33	100	0.43 U	4.2 U	0.061 U	0.068 U	0.067 U	0.065 U
2-Nitroaniline	NS	NS	0.36 U	3.5 U	0.053 U	0.059 U	0.058 U	0.057 U
2-Nitrophenol	NS	NS	1.4 U	14 U	0.059 U	0.066 U	0.065 U	0.063 U
3,3'-Dichlorobenzidine	NS	NS	0.72 U	7.1 U	0.05 U	0.056 U	0.055 U	0.054 U
3-Methylphenol/4-Methylphenol	0.33	100	0.43 U	4.2 U	0.062 U	0.069 U	0.068 U	0.066 U
3-Nitroaniline	NS	NS	0.36 U	3.5 U	0.052 U	0.058 U	0.057 U	0.056 U
4,6-Dinitro-o-cresol	NS	NS	1.4 U	14 U	0.069 U	0.077 U	0.076 U	0.074 U
4-Bromophenyl phenyl ether	NS	NS	0.36 U	3.5 U	0.044 U	0.048 U	0.048 U	0.046 U
4-Chloroaniline	NS	NS	0.36 U	3.5 U	0.05 U	0.055 U	0.055 U	0.053 U
4-Chlorophenyl phenyl ether	NS	NS	0.36 U	3.5 U	0.058 U	0.064 U	0.063 U	0.061 U
4-Nitroaniline	NS	NS	0.51 U	5 U	0.051 U	0.057 U	0.056 U	0.054 U
4-Nitrophenol	NS	NS	0.72 U	7.1 U	0.061 U	0.068 U	0.067 U	0.065 U
Acenaphthene	20	100	0.36 U	3.5 U	0.0012 U	0.0013 U	10	0.01
Acenaphthylene	100	100	0.36 U	3.5 U	0.00084 U	0.00093 U	0.35 J	0.0009 U
Acetophenone	NS	NS	1.4 U	14 U	0.059 U	0.065 U	0.064 U	0.063 U
Anthracene	100	100	0.36 U	3.5 U	0.00074 U	0.00082 U	22	0.015
Benzo(a)anthracene	1	1	0.36	3.5 U	0.0012 U	0.0013 U	**26**	0.019
Benzo(a)pyrene	1	1	0.38	3.5 U	0.0017 U	0.0019 U	**24**	0.016
Benzo(b)fluoranthene	1	1	0.56	3.5 U	0.0018 U	0.002 U	**31**	0.02
Benzo(ghi)perylene	100	100	0.36 U	3.5 U	0.0021 U	0.0024 U	16	0.011
Benzo(k)fluoranthene	0.8	3.9	0.36 U	3.5 U	0.0018 U	0.002 U	**11**	0.0076 J
Benzoic Acid	NS	NS	3.6 U	35 U	0.19 U	0.21 U	0.21 U	0.2 U
Benzyl Alcohol	NS	NS	0.72 U	7.1 U	0.058 U	0.065 U	0.064 U	0.062 U
Biphenyl	NS	NS	0.36 U	3.5 U	0.062 U	0.069 U	0.95	0.067 U
Bis(2-chloroethoxy)methane	NS	NS	0.36 U	3.5 U	0.057 U	0.064 U	0.063 U	0.061 U
Bis(2-chloroethyl)ether	NS	NS	0.36 U	3.5 U	0.053 U	0.059 U	0.058 U	0.057 U
Bis(2-chloroisopropyl)ether	NS	NS	0.36 U	3.5 U	0.067 U	0.074 U	0.073 U	0.071 U
Bis(2-Ethylhexyl)phthalate	NS	NS	0.72 U	7.1 U	0.05 U	0.055 U	0.054 U	0.053 U
Butyl benzyl phthalate	NS	NS	0.36 U	3.5 U	0.037 U	0.041 U	0.04 U	0.039 U
Carbazole	NS	NS	0.36 U	3.5 U	0.041 U	0.045 U	6.9	0.043 U
Chrysene	1	3.9	0.36	3.5 U	0.0018 U	0.002 U	**25**	0.018
Dibenzo(a,h)anthracene	0.33	0.33	0.36 U	3.5 U	0.0021 U	0.0023 U	**3.3**	0.0024 J
Dibenzofuran	7	59	0.36 U	3.5 U	0.063 U	0.07 U	**7.9**	0.067 U
Diethyl phthalate	NS	NS	0.36 U	3.5 U	0.04 U	0.044 U	0.044 U	0.043 U
Dimethyl phthalate	NS	NS	0.36 U	3.5 U	0.048 U	0.053 U	0.053 U	0.051 U
Di-n-butylphthalate	NS	NS	0.36 U	3.5 U	0.036 U	0.04 U	0.04 U	0.039 U
Di-n-octylphthalate	NS	NS	0.36 U	3.5 U	0.046 U	0.052 U	0.051 U	0.05 U
Fluoranthene	100	100	0.45	3.5 U	0.0012 U	0.0013 U	69	0.056
Fluorene	30	100	0.36 U	3.5 U	0.0013 U	0.0014 U	11	0.013
Hexachlorobenzene	0.33	1.2	0.36 U	3.5 U	0.00067 U	0.00074 U	0.073 U	0.00071 U
Hexachlorobutadiene	NS	NS	0.72 U	7.1 U	0.00093 U	0.001 U	0.1 U	0.00099 U
Hexachlorocyclopentadiene	NS	NS	0.72 U	7.1 U	0.12 U	0.13 U	0.13 U	0.13 U
Hexachloroethane	NS	NS	0.36 U	3.5 U	0.001 U	0.0011 U	0.11 U	0.0011 U
Indeno(1,2,3-cd)Pyrene	0.5	0.5	0.36 U	3.5 U	0.0021 U	0.0024 U	**16**	0.01
Isophorone	NS	NS	0.36 U	3.5 U	0.05 U	0.056 U	0.055 U	0.054 U
Naphthalene	12	100	0.36 U	3.5 U	0.001 U	0.0011 U	5	0.36
Nitrobenzene	NS	NS	0.36 U	3.5 U	0.045 U	0.05 U	0.049 U	0.048 U
NitrosoDiPhenylAmine(NDPA)/DPA	NS	NS	0.36 U	3.5 U	0.04 U	0.044 U	0.044 U	0.042 U
n-Nitrosodi-n-propylamine	NS	NS	1.1 U	11 U	0.056 U	0.063 U	0.062 U	0.06 U
P-Chloro-M-Cresol	NS	NS	0.36 U	3.5 U	0.055 U	0.061 U	0.06 U	0.059 U
Pentachlorophenol	0.8	6.7	1.4 U	14 U	0.009 U	0.01 U	0.98 U	0.0096 U
Phenanthrene	100	100	0.36 U	3.5 U	0.0019 U	0.0021 U	81	0.057
Phenol	0.33	100	0.51 U	5 U	0.056 U	0.062 U	0.061 U	0.06 U
Pyrene	100	100	0.43	3.5 U	0.001 U	0.0011 U	53	0.051

Note: † = Dilution factor varies.

Table 2
487 West 129th Street
New York, NY
Subsurface (Phase II) Investigation Soil Analytical Results
Semivolatile Organic Compounds

Client ID Lab Sample ID Date Sampled Dilution mg/kg	NYSDEC Part 375 Unrestricted SCO mg/kg	NYSDEC Part 375 Restricted Residential SCO mg/kg	WC-3 3'-5' L1423865-09 10/7/2014 1/2 † 	WC-3 26'-28' L1423865-10 10/7/2014 1 	WC-4-7'-9' L1423865-11 10/7/2014 1 	WC-4 26'-28' L1423865-12 10/7/2014 1 	FB-1 L0802902-01 2/29/2008 1 ug/L
1,2,4,5-Tetrachlorobenzene	NS	NS	0.058 U	0.064 U	0.058 U	0.062 U	20 U
1,2,4-Trichlorobenzene	NS	NS	0.062 U	0.068 U	0.061 U	0.066 U	4.9 U
1,2-Dichlorobenzene	1.1	100	0.062 U	0.068 U	0.061 U	0.066 U	4.9 U
1,3-Dichlorobenzene	2.4	49	0.059 U	0.065 U	0.059 U	0.063 U	4.9 U
1,4-Dichlorobenzene	1.8	13	0.057 U	0.063 U	0.057 U	0.061 U	4.9 U
2,4,5-Trichlorophenol	NS	NS	0.061 U	0.067 U	0.06 U	0.065 U	4.9 U
2,4,6-Trichlorophenol	NS	NS	0.036 U	0.039 U	0.035 U	0.038 U	4.9 U
2,4-Dichlorophenol	NS	NS	0.061 U	0.067 U	0.06 U	0.065 U	9.8 U
2,4-Dimethylphenol	NS	NS	0.056 U	0.062 U	0.056 U	0.06 U	9.8 U
2,4-Dinitrophenol	NS	NS	0.26 U	0.28 U	0.26 U	0.28 U	29 U
2,4-Dinitrotoluene	NS	NS	0.041 U	0.044 U	0.04 U	0.043 U	5.9 U
2,6-Dinitrotoluene	NS	NS	0.048 U	0.053 U	0.048 U	0.051 U	4.9 U
2-Chloronaphthalene	NS	NS	0.004 U	0.0022 U	0.002 U	0.0021 U	5.9 U
2-Chlorophenol	NS	NS	0.057 U	0.062 U	0.056 U	0.061 U	5.9 U
2-Methylnaphthalene	NS	NS	0.012 J	0.00098 U	0.00089 U	0.00096 U	4.9 U
2-Methylphenol	0.33	100	0.061 U	0.066 U	0.06 U	0.065 U	5.9 U
2-Nitroaniline	NS	NS	0.053 U	0.058 U	0.052 U	0.057 U	4.9 U
2-Nitrophenol	NS	NS	0.059 U	0.064 U	0.058 U	0.063 U	20 U
3,3'-Dichlorobenzidine	NS	NS	0.05 U	0.055 U	0.05 U	0.053 U	49 U
3-Methylphenol/4-Methylphenol	0.33	100	0.062 U	0.068 U	0.061 U	0.066 U	5.9 U
3-Nitroaniline	NS	NS	0.052 U	0.057 U	0.051 U	0.056 U	4.9 U
4,6-Dinitro-o-cresol	NS	NS	0.069 U	0.076 U	0.068 U	0.074 U	20 U
4-Bromophenyl phenyl ether	NS	NS	0.043 U	0.047 U	0.043 U	0.046 U	4.9 U
4-Chloroaniline	NS	NS	0.05 U	0.054 U	0.049 U	0.053 U	4.9 U
4-Chlorophenyl phenyl ether	NS	NS	0.057 U	0.063 U	0.057 U	0.061 U	4.9 U
4-Nitroaniline	NS	NS	0.051 U	0.056 U	0.05 U	0.054 U	6.8 U
4-Nitrophenol	NS	NS	0.061 U	0.067 U	0.06 U	0.065 U	9.8 U
Acenaphthene	20	100	0.057	0.0013 U	0.0011 U	0.0012 U	4.9 U
Acenaphthylene	100	100	0.013 J	0.00092 U	0.00083 U	0.00089 U	4.9 U
Acetophenone	NS	NS	0.13 J	0.064 U	0.058 U	0.062 U	20 U
Anthracene	100	100	0.18	0.0008 U	0.00073 U	0.00078 U	4.9 U
Benzo(a)anthracene	1	1	0.51	0.0013 U	0.0012 U	0.0012 U	4.9 U
Benzo(a)pyrene	1	1	0.48	0.0019 U	0.0017 U	0.0018 U	4.9 U
Benzo(b)fluoranthene	1	1	0.63	0.002 U	0.0025 J	0.0019 U	4.9 U
Benzo(ghi)perylene	100	100	0.37	0.0023 U	0.0021 U	0.0022 U	4.9 U
Benzo(k)fluoranthene	0.8	3.9	0.21	0.002 U	0.0018 U	0.0019 U	4.9 U
Benzoic Acid	NS	NS	0.19 U	0.21 U	0.19 U	0.2 U	49 U
Benzyl Alcohol	NS	NS	0.058 U	0.064 U	0.057 U	0.062 U	9.8 U
Biphenyl	NS	NS	0.062 U	0.068 U	0.061 U	0.066 U	4.9 U
Bis(2-chloroethoxy)methane	NS	NS	0.057 U	0.062 U	0.056 U	0.061 U	4.9 U
Bis(2-chloroethyl)ether	NS	NS	0.053 U	0.058 U	0.052 U	0.056 U	4.9 U
Bis(2-chloroisopropyl)ether	NS	NS	0.066 U	0.073 U	0.066 U	0.071 U	4.9 U
Bis(2-Ethylhexyl)phthalate	NS	NS	0.049 U	0.054 U	0.049 U	0.053 U	4.9 U
Butyl benzyl phthalate	NS	NS	0.037 U	0.04 U	0.036 U	0.039 U	4.9 U
Carbazole	NS	NS	0.069 J	0.044 U	0.04 U	0.043 U	4.9 U
Chrysene	1	3.9	0.46	0.002 U	0.0024 J	0.0019 U	4.9 U
Dibenzo(a,h)anthracene	0.33	0.33	0.085	0.0023 U	0.0021 U	0.0022 U	4.9 U
Dibenzofuran	7	59	0.063 U	0.069 U	0.062 U	0.067 U	4.9 U
Diethyl phthalate	NS	NS	0.04 U	0.044 U	0.039 U	0.042 U	4.9 U
Dimethyl phthalate	NS	NS	0.048 U	0.052 U	0.047 U	0.051 U	4.9 U
Di-n-butylphthalate	NS	NS	0.036 U	0.04 U	0.036 U	0.039 U	4.9 U
Di-n-octylphthalate	NS	NS	0.046 U	0.051 U	0.046 U	0.049 U	4.9 U
Fluoranthene	100	100	1	0.0013 U	0.0026 J	0.0013 U	4.9 U
Fluorene	30	100	0.046	0.0014 U	0.0012 U	0.0014 U	4.9 U
Hexachlorobenzene	0.33	1.2	0.0013 U	0.00073 U	0.00066 U	0.00071 U	4.9 U
Hexachlorobutadiene	NS	NS	0.0018 U	0.001 U	0.00091 U	0.00098 U	9.8 U
Hexachlorocyclopentadiene	NS	NS	0.12 U	0.13 U	0.12 U	0.13 U	29 U
Hexachloroethane	NS	NS	0.002 U	0.0011 U	0.00098 U	0.001 U	4.9 U
Indeno(1,2,3-cd)Pyrene	0.5	0.5	0.31	0.0023 U	0.0021 U	0.0023 U	6.8 U
Isophorone	NS	NS	0.05 U	0.055 U	0.05 U	0.053 U	4.9 U
Naphthalene	12	100	0.025	0.0025 J	0.001 U	0.0011 U	4.9 U
Nitrobenzene	NS	NS	0.045 U	0.049 U	0.044 U	0.048 U	4.9 U
NitrosoDiPhenylAmine(NDPA)/DPA	NS	NS	0.04 U	0.043 U	0.039 U	0.042 U	4.9 U
n-Nitrosodi-n-propylamine	NS	NS	0.056 U	0.062 U	0.056 U	0.06 U	15 U
P-Chloro-M-Cresol	NS	NS	0.055 U	0.06 U	0.054 U	0.058 U	4.9 U
Pentachlorophenol	0.8	6.7	0.018 U	0.0098 U	0.0088 U	0.0095 U	9.8 U
Phenanthrene	100	100	0.64	0.002 U	0.0018 U	0.002 U	4.9 U
Phenol	0.33	100	0.056 U	0.061 U	0.055 U	0.06 U	6.8 U
Pyrene	100	100	0.9	0.0011 U	0.0039 J	0.0011 U	4.9 U

Note: † = Dilution factor varies.

Table 3
487 West 129th Street
New York, NY
Subsurface (Phase II) Investigation Soil Analytical Results
Metals

Client ID Lab Sample ID Date Sampled Dilution mg/kg	NYSDEC Part 375 Unrestricted SCO mg/kg	NYSDEC Part 375 Restricted Residential SCO mg/kg	SB-1 (0-2') L0802902-02 2/29/2008 1	SB-2 (0-2') L0802902-03 2/29/2008 1/10 †	SB-2 (12-14') L0802902-04 2/29/2008 1	SB-3 (0-2') L0802902-05 2/29/2008 1/10 †	SB-4 (0-3') L0802902-06 2/29/2008 1	SB-4 (5-7') L0802902-07 2/29/2008 1	SB-5 (0-3') L0802902-08 2/29/2008 1	SB-5 (5-7') L0802902-09 2/29/2008 1/10 †	WC-1-8'-10' L1423865-05 10/8/2014 2/1 ‡
Aluminum	**NS**	**NS**	12,000	7,100	8,800	8,100	9,000	7,200	11,000	5,700	9,100
Antimony	**NS**	**NS**	2.8 U	4	2.8 U	4.6	2.6 U	2.6 U	2.6 U	2.4 U	0.71 U
Arsenic	**13**	**16**	3.1	11	2.4	9.8	2.1	1.1	4.5	3.7	2.4
Barium	**350**	**400**	75	61	33	180	40	80	60	99	25
Beryllium	**7.2**	**72**	0.58	0.31	0.36	0.32	0.46	0.41	0.5	0.33	0.34 J
Cadmium	**2.5**	**4.3**	0.57 U	0.57 U	0.55 U	0.8	0.53 U	0.52 U	1.2	0.93	0.06 U
Calcium	**NS**	**NS**	4,400	10,000	13,00	20,000	1,900	1,900	9,500	40,000	550
Chromium	**30**	**180**	18	12	12	13	14	**32**	14	8.8	12
Cobalt	**NS**	**NS**	9.1	7.3	7.8	7.2	7.2	6.6	10	3.3	6.8
Copper	**50**	**270**	17	**59**	13	**79**	26	24	46	25	13
Iron	**NS**	**NS**	19,000	38,000	21,000	35,000	11,000	8,800	20,000	10,000	19,000
Lead	**63**	**400**	12	**200**	5.5	**1,400**	9.2	5.2	**130**	**220**	7.2
Magnesium	**NS**	**NS**	5,200	4,900	3,000	5,500	3,000	3,600	6,400	4,300	3,300
Manganese	**1,600**	**2,000**	260	370	450	320	280	620	310	240	280
Mercury	**0.18**	**0.81**	0.09 U	**1.2**	0.1 U	**0.97**	0.09 U	0.08 U	0.16	0.16	0.02 U
Nickel	**30**	**310**	20	16	16	16	19	20	**32**	8.5	14
Potassium	**NS**	**NS**	4,400	2,200	820	1,600	1,000	760	1,500	1,200	420
Selenium	**3.9**	**180**	2.8 U	2.8 U	2.8 U	2.8 U	2.6 U	2.6 U	2.6 U	2.4 U	0.47 J
Silver	**2**	**180**	0.57 U	0.57 U	0.55 U	0.55 U	0.53 U	0.52 U	0.53 U	0.49 U	0.18 U
Sodium	**NS**	**NS**	110	500	460	1,100	480	390	1,700	860	38 J
Thallium	**NS**	**NS**	2.8 U	2.8 U	2.8 U	2.8 U	2.6 U	2.6 U	2.6 U	2.4 U	0.36 U
Vanadium	**NS**	**NS**	29	18	14	20	19	17	18	11	13
Zinc	**109**	**10,000**	44	70	45	**270**	62	25	**430**	**180**	43

Notes: † **=** The dilution factor varies.

‡ **=** The dilution factor for Mercury is 1.

Table 3
487 West 129th Street
New York, NY
Subsurface (Phase II) Investigation Soil Analytical Results
Metals

Client ID Lab Sample ID Date Sampled Dilution mg/kg	NYSDEC Part 375 Unrestricted SCO mg/kg	NYSDEC Part 375 Restricted Residential SCO mg/kg	WC-1-12'-14' L1423865-06 10/8/2014 2/1 ‡	WC-2-3'-5' L1423865-07 10/7/2014 2/1 ‡	WC-2-12'-14' L1423865-08 10/7/2014 2/1 ‡	WC-3 3'-5' L1423865-09 10/7/2014 2/1/100 †	WC-3 26'-28' L1423865-10 10/7/2014 2/1 ‡	WC-4-7'-9' L1423865-11 10/7/2014 2/1 ‡	WC-4 26'-28' L1423865-12 10/7/2014 2/1 ‡	FB-1 L0802902-01 29-FEB-08 1
Aluminum	**NS**	**NS**	6,500	7,500	7,600	9,400	3,700	10,000	2,600	100 U
Antimony	**NS**	**NS**	2.2 J	8.6	0.77 U	0.7 U	0.76 U	0.72 U	0.75 U	50 U
Arsenic	**13**	**16**	5	8.8	1.3	2.9	0.7 J	2.4	0.88 J	5 U
Barium	**350**	**400**	20	120	44	80	**1,800**	31	46	10 U
Beryllium	**7.2**	**72**	0.25 J	0.34 J	0.31 J	0.34 J	0.26 J	0.34 J	0.24 J	5 U
Cadmium	**2.5**	**4.3**	0.07 U	0.57 J	0.07 U	1.1	1.5	0.06 U	0.07 U	5 U
Calcium	**NS**	**NS**	700	19,000	14,000	6,800	2,000	810	400	150
Chromium	**30**	**180**	10	19	12	14	30	13	8.2	10 U
Cobalt	**NS**	**NS**	5.1	9.6	6.6	6.7	98	7.5	11	20 U
Copper	**50**	**270**	11	**120**	14	29	14	13	14	10 U
Iron	**NS**	**NS**	14,000	54,000	18,000	20,000	12,000	18,000	13,000	50 U
Lead	**63**	**400**	4.4 J	**460**	53	**150**	7.1	8.1	2.6 J	10 U
Magnesium	**NS**	**NS**	2,400	3,500	3,100	3,200	1,300	3,000	900	100 U
Manganese	**1,600**	**2,000**	180	360	270	340	**34,000**	460	1,100	10 U
Mercury	**0.18**	**0.81**	0.02 U	**0.72**	0.07 J	**0.23**	0.02 U	0.02 U	0.02 U	0.2 U
Nickel	**30**	**310**	14	18	14	14	**210**	13	11	25 U
Potassium	**NS**	**NS**	380	860	560	880	1,400	500	420	2,500 U
Selenium	**3.9**	**180**	0.3 U	1 J	0.42 J	0.32 J	0.28 U	0.27 U	0.28 U	10 U
Silver	**2**	**180**	0.2 U	0.2 U	0.23 J	0.18 U	**5.6**	0.2 J	0.35 J	7 U
Sodium	**NS**	**NS**	47 J	260	77 J	240	300	99 J	84 J	2,000 U
Thallium	**NS**	**NS**	0.4 U	0.4 U	0.38 U	0.35 U	11	0.36 U	0.38 U	20 U
Vanadium	**NS**	**NS**	12	23	15	16	17	18	9.7	10 U
Zinc	**109**	**10,000**	29	**360**	72	**440**	100	34	15	50 U

Notes: † = The dilution factor varies.

‡ = The dilution factor for Mercury is 1.

Table 4
487 West 129th Street
New York, NY
Subsurface (Phase II) Investigation Soil Analytical Results
Polychlorinated Biphenyls & Pesticides

Client ID Lab Sample ID Date Sampled Polychlorinated Biphenyls - mg/kg	NYSDEC Part 375 Unrestricted SCO mg/kg	NYSDEC Part 375 Restricted Residential SCO mg/kg	SB-1 (0-2') L0802902-02 2/29/2008	SB-2 (0-2') L0802902-03 2/29/2008	SB-2 (12-14') L0802902-04 2/29/2008	SB-3 (0-2') L0802902-05 2/29/2008	SB-4 (0-3') L0802902-06 2/29/2008	SB-4 (5-7') L0802902-07 2/29/2008	SB-5 (0-3') L0802902-08 2/29/2008	SB-5 (5-7') L0802902-09 2/29/2008
Aroclor 1016	**NS**	**NS**	0.0383 U	0.0397 U	0.0388 U	0.0758 U	0.0374 U	0.0358 U	0.0362 U	0.0355 U
Aroclor 1221	**NS**	**NS**	0.0383 U	0.0397 U	0.0388 U	0.0758 U	0.0374 U	0.0358 U	0.0362 U	0.0355 U
Aroclor 1232	**NS**	**NS**	0.0383 U	0.0397 U	0.0388 U	0.0758 U	0.0374 U	0.0358 U	0.0362 U	0.0355 U
Aroclor 1242	**NS**	**NS**	0.0383 U	0.0397 U	0.0388 U	0.0758 U	0.0374 U	0.0358 U	0.0362 U	0.0355 U
Aroclor 1248	**NS**	**NS**	0.0383 U	0.0397 U	0.0388 U	0.0758 U	0.0374 U	0.0358 U	0.0362 U	0.0355 U
Aroclor 1254	**NS**	**NS**	0.0383 U	0.0397 U	0.0388 U	0.0758 U	0.0374 U	0.0358 U	0.0362 U	0.0355 U
Aroclor 1260	**NS**	**NS**	0.0383 U	0.0397 U	0.0388 U	0.0758 U	0.0374 U	0.0358 U	0.0362 U	0.0355 U
Aroclor 1262	**NS**	**NS**	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1268	**NS**	**NS**	NA	NA	NA	NA	NA	NA	NA	NA
PCBs, Total	**0.1**	**1**	ND	ND	ND	ND	ND	ND	ND	ND
Pesticides - mg/kg										
4,4'-DDD	**0.0033**	**13**	0.00383 U	0.00397 U	0.00388 U	0.0189 U	0.00374 U	0.00358 U	0.00362 U	0.00355 U
4,4'-DDE	**0.0033**	**8.9**	0.00383 U	0.00397 U	0.00388 U	0.0189 U	0.00374 U	0.00358 U	0.00362 U	0.00355 U
4,4'-DDT	**0.0033**	**7.9**	0.00383 U	0.00397 U	0.00388 U	0.0189 U	0.00374 U	0.00358 U	0.00362 U	0.00355 U
Aldrin	**0.005**	**0.097**	0.00383 U	0.00397 U	0.00388 U	0.0189 U	0.00374 U	0.00358 U	0.00362 U	0.00355 U
Alpha-BHC	**0.02**	**0.48**	0.00383 U	0.00397 U	0.00388 U	0.0189 U	0.00374 U	0.00358 U	0.00362 U	0.00355 U
Beta-BHC	**0.036**	**0.36**	0.00383 U	0.00397 U	0.00388 U	0.0189 U	0.00374 U	0.00358 U	0.00362 U	0.00355 U
Chlordane	**0.094**	**4.2**	0.0383 U	0.0397 U	0.0388 U	0.189 U	0.0374 U	0.0358 U	0.0362 U	0.0355 U
cis-Chlordane	**0.094**	**4.2**	NA	NA	NA	NA	NA	NA	NA	NA
Delta-BHC	**0.04**	**100**	0.00383 U	0.00397 U	0.00388 U	0.0189 U	0.00374 U	0.00358 U	0.00362 U	0.00355 U
Dieldrin	**0.005**	**0.2**	0.00383 U	0.00397 U	0.00388 U	0.0189 U	0.00374 U	0.00358 U	0.00362 U	0.00355 U
Endosulfan I	**2.4**	**24**	0.00383 U	0.00397 U	0.00388 U	0.0189 U	0.00374 U	0.00358 U	0.00362 U	0.00355 U
Endosulfan II	**2.4**	**24**	0.00383 U	0.00397 U	0.00388 U	0.0189 U	0.00374 U	0.00358 U	0.00362 U	0.00355 U
Endosulfan sulfate	**2.4**	**24**	0.00383 U	0.00397 U	0.00388 U	0.0189 U	0.00374 U	0.00358 U	0.00362 U	0.00355 U
Endrin	**0.014**	**11**	0.00383 U	0.00397 U	0.00388 U	0.0189 U	0.00374 U	0.00358 U	0.00362 U	0.00355 U
Endrin ketone	**NS**	**NS**	0.00383 U	0.00397 U	0.00388 U	0.0189 U	0.00374 U	0.00358 U	0.00362 U	0.00355 U
Heptachlor	**0.042**	**2.1**	0.00383 U	0.00397 U	0.00388 U	0.0189 U	0.00374 U	0.00358 U	0.00362 U	0.00355 U
Heptachlor epoxide	**NS**	**NS**	0.00383 U	0.00397 U	0.00388 U	0.0189 U	0.00374 U	0.00358 U	0.00362 U	0.00355 U
Lindane	**0.1**	**1.3**	0.00383 U	0.00397 U	0.00388 U	0.0189 U	0.00374 U	0.00358 U	0.00362 U	0.00355 U
Methoxychlor	**NS**	**NS**	0.0153 U	0.0159 U	0.0155 U	0.0758 U	0.015 U	0.0143 U	0.0145 U	0.0142 U
Toxaphene	**NS**	**NS**	NA	NA	NA	NA	NA	NA	NA	NA
trans-Chlordane	**NS**	**NS**	0.00383 U	0.00397 U	0.00388 U	0.0189 U	0.00374 U	0.00358 U	0.00362 U	0.00355 U

Table 4
487 West 129th Street
New York, NY
Subsurface (Phase II) Investigation Soil Analytical Results
Polychlorinated Biphenyls & Pesticides

Client ID Lab Sample ID Date Sampled Polychlorinated Biphenyls - mg/kg	NYSDEC Part 375 Unrestricted SCO mg/kg	NYSDEC Part 375 Restricted Residential SCO mg/kg	WC-1-8'-10' L1423865-05 10/8/2014	WC-1-12'-14' L1423865-06 10/8/2014	WC-2-3'-5' L1423865-07 10/7/2014	WC-2-12'-14' L1423865-08 10/7/2014	WC-3 3'-5' L1423865-09 10/7/2014	WC-3 26'-28' L1423865-10 10/7/2014	WC-4-7'-9' L1423865-11 10/7/2014	WC-4 26'-28' L1423865-12 10/7/2014	FB-1 L0802902-01 2/29/2008
Aroclor 1016	**NS**	**NS**	0.00297 U	0.00323 U	0.00317 U	0.00313 U	0.00297 U	0.0032 U	0.00297 U	0.00317 U	0.1 U
Aroclor 1221	**NS**	**NS**	0.00346 U	0.00377 U	0.0037 U	0.00366 U	0.00346 U	0.00373 U	0.00346 U	0.0037 U	0.1 U
Aroclor 1232	**NS**	**NS**	0.0044 U	0.00479 U	0.0047 U	0.00465 U	0.0044 U	0.00474 U	0.0044 U	0.00471 U	0.1 U
Aroclor 1242	**NS**	**NS**	0.0046 U	0.005 U	0.00491 U	0.00486 U	0.0046 U	0.00495 U	0.0046 U	0.00492 U	0.1 U
Aroclor 1248	**NS**	**NS**	0.00317 U	0.00345 U	0.00339 U	0.00335 U	0.00317 U	0.00342 U	0.00317 U	0.00339 U	0.1 U
Aroclor 1254	**NS**	**NS**	0.00309 U	0.00336 U	0.0033 U	0.00326 U	0.00309 U	0.00333 U	0.00309 U	0.0033 U	0.1 U
Aroclor 1260	**NS**	**NS**	0.00286 U	0.00311 U	0.00306 U	0.00302 U	0.00286 U	0.00308 U	0.00286 U	0.00306 U	0.1 U
Aroclor 1262	**NS**	**NS**	0.00186 U	0.00203 U	0.00199 U	0.00197 U	0.00186 U	0.00201 U	0.00186 U	0.00199 U	NA
Aroclor 1268	**NS**	**NS**	0.00544 U	0.00592 U	0.00582 U	0.00575 U	0.00545 U	0.00587 U	0.00545 U	0.00582 U	NA
PCBs, Total	**0.1**	**1**	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pesticides - mg/kg											
4,4'-DDD	**0.0033**	**13**	0.000648 U	0.000709 U	0.0007 U	0.000678 U	0.000648 U	0.000691 U	0.000619 U	0.00069 U	0.042 U
4,4'-DDE	**0.0033**	**8.9**	0.00042 U	0.00046 U	0.000454 U	0.000439 U	0.00042 U	0.000448 U	0.000401 U	0.000447 U	0.042 U
4,4'-DDT	**0.0033**	**7.9**	0.00146 U	0.0016 U	0.00158 U	0.00153 U	0.00146 U	0.00156 U	0.0014 U	0.00156 U	0.042 U
Aldrin	**0.005**	**0.097**	0.00064 U	0.0007 U	0.000691 U	0.000669 U	0.000639 U	0.000682 U	0.000611 U	0.000681 U	0.021 U
Alpha-BHC	**0.02**	**0.48**	0.000215 U	0.000235 U	0.000232 U	0.000225 U	0.000215 U	0.000229 U	0.000205 U	0.000229 U	0.021 U
Beta-BHC	**0.036**	**0.36**	0.000689 U	0.000754 U	0.000744 U	0.00072 U	0.000688 U	0.000734 U	0.000658 U	0.000733 U	0.021 U
Chlordane	**0.094**	**4.2**	0.00602 U	0.00659 U	0.0065 U	0.00629 U	0.00602 U	0.00641 U	0.00575 U	0.00641 U	0.208 U
cis-Chlordane	**0.094**	**4.2**	0.000633 U	0.000693 U	0.000683 U	0.000662 U	0.000633 U	0.000674 U	0.000604 U	0.000674 U	NA
Delta-BHC	**0.04**	**100**	0.000356 U	0.000389 U	0.000384 U	0.000372 U	0.000356 U	0.000379 U	0.00034 U	0.000379 U	0.021 U
Dieldrin	**0.005**	**0.2**	0.000568 U	0.000622 U	0.000613 U	0.000594 U	0.000568 U	0.000605 U	0.000542 U	0.000604 U	0.042 U
Endosulfan I	**2.4**	**24**	0.000429 U	0.00047 U	0.000463 U	0.000449 U	0.000429 U	0.000457 U	0.00041 U	0.000457 U	0.021 U
Endosulfan II	**2.4**	**24**	0.000607 U	0.000665 U	0.000656 U	0.000635 U	0.000607 U	0.000647 U	0.00058 U	0.000646 U	0.042 U
Endosulfan sulfate	**2.4**	**24**	0.00036 U	0.000394 U	0.000389 U	0.000377 U	0.00036 U	0.000384 U	0.000344 U	0.000384 U	0.042 U
Endrin	**0.014**	**11**	0.00031 U	0.00034 U	0.000335 U	0.000324 U	0.00031 U	0.000331 U	0.000296 U	0.00033 U	0.042 U
Endrin ketone	**NS**	**NS**	0.000468 U	0.000512 U	0.000505 U	0.000489 U	0.000468 U	0.000498 U	0.000447 U	0.000498 U	0.042 U
Heptachlor	**0.042**	**2.1**	0.000407 U	0.000446 U	0.00044 U	0.000426 U	0.000407 U	0.000434 U	0.000389 U	0.000434 U	0.021 U
Heptachlor epoxide	**NS**	**NS**	0.00102 U	0.00112 U	0.0011 U	0.00107 U	0.00102 U	0.00109 U	0.000976 U	0.00109 U	0.021 U
Lindane	**0.1**	**1.3**	0.000338 U	0.00037 U	0.000365 U	0.000354 U	0.000338 U	0.000361 U	0.000323 U	0.00036 U	0.021 U
Methoxychlor	**NS**	**NS**	0.00106 U	0.00116 U	0.00114 U	0.00111 U	0.00106 U	0.00113 U	0.00101 U	0.00113 U	0.208 U
Toxaphene	**NS**	**NS**	0.00954 U	0.0104 U	0.0103 U	0.00997 U	0.00953 U	0.0102 U	0.00911 U	0.0102 U	NA
trans-Chlordane	**NS**	**NS**	0.0006 U	0.000656 U	0.000647 U	0.000627 U	0.000599 U	0.000639 U	0.000572 U	0.000638 U	0.021 U

Table 5
487 West 129th Street
New York, NY
Subsurface (Phase II) Investigation Groundwater Analytical Results
Volatile Organic Compounds

Client ID Lab Sample ID Date Sampled Dilution µg/L	NYSDEC Class GA Ambient Standard µg/L	GW-1 L1423865-01 10/8/2014 1	GW-2 L1423865-02 10/7/2014 25	GW-3 L1423865-03 10/8/2014 1	GW-4 L1423865-04 10/8/2014 1
1,1,1,2-Tetrachloroethane	**5**	0.7 U	18 U	0.7 U	0.7 U
1,1,1-Trichloroethane	**5**	0.7 U	18 U	0.7 U	0.7 U
1,1,2,2-Tetrachloroethane	**5**	0.14 U	3.6 U	0.14 U	0.14 U
1,1,2-Trichloroethane	**1**	0.5 U	12 U	0.5 U	0.5 U
1,1-Dichloroethane	**5**	0.7 U	18 U	0.7 U	0.7 U
1,1-Dichloroethene	**5**	0.14 U	3.6 U	0.14 U	0.14 U
1,1-Dichloropropene	**5**	0.7 U	18 U	0.7 U	0.7 U
1,2,3-Trichlorobenzene	**5**	0.7 U	18 U	0.7 U	0.7 U
1,2,3-Trichloropropane	**0.04**	0.7 U	18 U	0.7 U	0.7 U
1,2,4,5-Tetramethylbenzene	**5**	0.65 U	**340**	0.65 U	0.65 U
1,2,4-Trichlorobenzene	**5**	0.7 U	18 U	0.7 U	0.7 U
1,2,4-Trimethylbenzene	**5**	0.7 U	**1,600**	0.7 U	0.7 U
1,2-Dibromo-3-chloropropane	**0.04**	0.7 U	18 U	0.7 U	0.7 U
1,2-Dibromoethane	**0.0006**	0.65 U	16 U	0.65 U	0.65 U
1,2-Dichlorobenzene	**3**	0.7 U	18 U	0.7 U	0.7 U
1,2-Dichloroethane	**0.6**	0.13 U	3.3 U	0.13 U	0.13 U
1,2-Dichloroethene, Total	**NS**	1.6 J	18 U	0.94 J	20
1,2-Dichloropropane	**1**	0.13 U	3.3 U	0.13 U	0.13 U
1,3,5-Trimethylbenzene	**5**	0.7 U	**410**	0.7 U	0.7 U
1,3-Dichlorobenzene	**3**	0.7 U	18 U	0.7 U	0.7 U
1,3-Dichloropropane	**5**	0.7 U	18 U	0.7 U	0.7 U
1,3-Dichloropropene, Total	**NS**	0.14 U	3.6 U	0.14 U	0.14 U
1,4-Dichlorobenzene	**3**	0.7 U	18 U	0.7 U	0.7 U
1,4-Dioxane	**NS**	41 U	1,000 U	41 U	41 U
2,2-Dichloropropane	**5**	0.7 U	18 U	0.7 U	0.7 U
2-Butanone	**50**	1.9 U	48 U	1.9 U	1.9 U
2-Hexanone	**50**	1 U	25 U	1 U	1 U
4-Methyl-2-pentanone	**NS**	1 U	25 U	1 U	1 U
Acetone	**50**	1.5 U	36 U	1.5 U	1.5 U
Acrylonitrile	**5**	1.5 U	38 U	1.5 U	1.5 U
Benzene	**1**	0.16 U	4 U	0.16 U	0.16 U
Bromobenzene	**5**	0.7 U	18 U	0.7 U	0.7 U
Bromochloromethane	**5**	0.7 U	18 U	0.7 U	0.7 U
Bromodichloromethane	**50**	0.19 U	4.8 U	0.19 U	0.19 U
Bromoform	**50**	0.65 U	16 U	0.65 U	0.65 U
Bromomethane	**5**	0.7 U	18 U	0.7 U	0.7 U
Carbon disulfide	**60**	1 U	25 U	1 U	1 U
Carbon tetrachloride	**5**	0.13 U	3.4 U	0.13 U	0.13 U
Chlorobenzene	**5**	0.7 U	18 U	0.7 U	0.7 U
Chloroethane	**5**	0.7 U	18 U	0.7 U	0.7 U
Chloroform	**7**	0.7 U	18 U	0.7 U	0.7 U
Chloromethane	**5**	0.7 U	18 U	0.7 U	0.7 U
cis-1,2-Dichloroethene	**5**	1.6 J	18 U	0.94 J	**20**
cis-1,3-Dichloropropene	**0.4**	0.14 U	3.6 U	0.14 U	0.14 U
Dibromochloromethane	**50**	0.15 U	3.7 U	0.15 U	0.15 U
Dibromomethane	**5**	1 U	25 U	1 U	1 U
Dichlorodifluoromethane	**5**	1 U	25 U	1 U	1 U
Ethyl ether	**NS**	0.7 U	18 U	0.7 U	0.7 U
Ethylbenzene	**5**	0.7 U	**300**	0.7 U	0.7 U
Hexachlorobutadiene	**0.5**	0.7 U	18 U	0.7 U	0.7 U
Isopropylbenzene	**5**	0.7 U	**120**	0.7 U	0.7 U
Methyl tert butyl ether	**10**	0.7 U	18 U	0.7 U	0.7 U
Methylene chloride	**5**	0.7 U	18 U	0.7 U	0.7 U
Naphthalene	**10**	0.7 U	**860**	0.7 U	0.7 U
n-Butylbenzene	**5**	0.7 U	**73**	0.7 U	0.7 U
n-Propylbenzene	**5**	0.7 U	**160**	0.7 U	0.7 U
o-Chlorotoluene	**5**	0.7 U	18 U	0.7 U	0.7 U
o-Xylene	**5**	0.7 U	**59** J	0.7 U	0.7 U
p/m-Xylene	**5**	0.7 U	**800**	0.7 U	0.7 U
p-Chlorotoluene	**5**	0.7 U	18 U	0.7 U	0.7 U
p-Diethylbenzene	**NS**	0.7 U	74	0.7 U	0.7 U
p-Ethyltoluene	**NS**	0.7 U	1,100	0.7 U	0.7 U
p-Isopropyltoluene	**5**	0.7 U	**88**	0.7 U	0.7 U
sec-Butylbenzene	**5**	0.7 U	18 U	0.7 U	0.7 U
Styrene	**5**	0.7 U	18 U	0.7 U	0.7 U
tert-Butylbenzene	**5**	0.7 U	18 U	0.7 U	0.7 U
Tetrachloroethene	**5**	0.82	4.5 U	0.58	**11**
Toluene	**5**	0.7 U	18 U	0.7 U	0.7 U
trans-1,2-Dichloroethene	**5**	0.7 U	18 U	0.7 U	0.7 U
trans-1,3-Dichloropropene	**0.4**	0.16 U	4.1 U	0.16 U	0.16 U
trans-1,4-Dichloro-2-butene	**5**	0.7 U	18 U	0.7 U	0.7 U
Trichloroethene	**5**	0.18 U	4.4 U	0.18 U	2.1
Trichlorofluoromethane	**5**	0.7 U	18 U	0.7 U	0.7 U
Vinyl acetate	**NS**	1 U	25 U	1 U	1 U
Vinyl chloride	**2**	0.33 U	8.2 U	0.33 U	1.9
Xylenes, Total	**5**	0.7 U	**860** J	0.7 U	0.7 U

Table 6
487 West 129th Street
New York, NY
Subsurface (Phase II) Investigation Soil Analytical Results
Semivolatile Organic Compounds

Client ID	NYSDEC	GW-1	GW-2	GW-3	GW-4
Lab Sample ID	Class GA	L1423865-01	L1423865-02	L1423865-03	L1423865-04
Date Sampled	Ambient	10/8/2014	10/7/2014	10/8/2014	10/8/2014
Dilution	Standard	1	1/20 †	1	1
µg/L	µg/L				
1,2,4,5-Tetrachlorobenzene	5	0.36 U	0.36 U	0.36 U	0.36 U
1,2,4-Trichlorobenzene	5	0.21 U	0.21 U	0.21 U	0.21 U
1,2-Dichlorobenzene	3	0.3 U	0.3 U	0.3 U	0.3 U
1,3-Dichlorobenzene	3	0.35 U	0.35 U	0.35 U	0.35 U
1,4-Dichlorobenzene	3	0.32 U	0.32 U	0.32 U	0.32 U
2,4,5-Trichlorophenol	NS	0.75 U	0.75 U	0.75 U	0.75 U
2,4,6-Trichlorophenol	NS	0.78 U	0.78 U	0.78 U	0.78 U
2,4-Dichlorophenol	5	0.56 U	0.56 U	0.56 U	0.56 U
2,4-Dimethylphenol	50	0.58 U	0.58 U	0.58 U	0.58 U
2,4-Dinitrophenol	10	1.4 U	1.4 U	1.4 U	1.4 U
2,4-Dinitrotoluene	5	1 U	1 U	1 U	1 U
2,6-Dinitrotoluene	5	0.89 U	0.89 U	0.89 U	0.89 U
2-Chloronaphthalene	10	0.07 U	0.07 U	0.07 U	0.07 U
2-Chlorophenol	NS	0.58 U	0.58 U	0.58 U	0.58 U
2-Methylnaphthalene	NS	0.08 J	71	0.1 J	0.06 U
2-Methylphenol	NS	0.7 U	0.7 U	0.7 U	0.7 U
2-Nitroaniline	5	0.96 U	0.96 U	0.96 U	0.96 U
2-Nitrophenol	NS	1 U	1 U	1 U	1 U
3,3'-Dichlorobenzidine	5	0.48 U	0.48 U	0.48 U	0.48 U
3-Methylphenol/4-Methylphenol	NS	0.72 U	0.72 U	0.72 U	0.72 U
3-Nitroaniline	5	0.67 U	0.67 U	0.67 U	0.67 U
4,6-Dinitro-o-cresol	NS	1.4 U	1.4 U	1.4 U	1.4 U
4-Bromophenyl phenyl ether	NS	0.43 U	0.43 U	0.43 U	0.43 U
4-Chloroaniline	5	0.84 U	0.84 U	0.84 U	0.84 U
4-Chlorophenyl phenyl ether	NS	0.36 U	0.36 U	0.36 U	0.36 U
4-Nitroaniline	5	0.83 U	0.83 U	0.83 U	0.83 U
4-Nitrophenol	NS	1.1 U	1.1 U	1.1 U	1.1 U
Acenaphthene	20	0.2	0.43	0.06 U	0.06 U
Acenaphthylene	NS	0.05 U	0.05 U	0.05 U	0.05 U
Acetophenone	NS	0.43 U	0.43 U	0.43 U	0.43 U
Anthracene	50	0.1 J	0.35	0.06 U	0.06 U
Benzo(a)anthracene	0.002	**0.07** J	**0.24**	**0.1** J	0.06 U
Benzo(a)pyrene	ND	**0.18** J	**0.27**	**0.2**	0.07 U
Benzo(b)fluoranthene	0.002	0.07 U	**0.23**	**0.11** J	0.07 U
Benzo(ghi)perylene	NS	0.07 U	0.13 J	0.07 U	0.07 U
Benzo(k)fluoranthene	0.002	0.07 U	**0.1** J	0.07 U	0.07 U
Benzoic Acid	NS	1.9 J	1 U	2.2 J	1.7 J
Benzyl Alcohol	NS	0.68 U	0.68 U	0.68 U	0.68 U
Biphenyl	5	0.24 U	1.9 J	0.24 U	0.24 U
Bis(2-chloroethoxy)methane	5	0.6 U	0.6 U	0.6 U	0.6 U
Bis(2-chloroethyl)ether	1	0.41 U	0.41 U	0.41 U	0.41 U
Bis(2-chloroisopropyl)ether	NS	0.6 U	0.6 U	0.6 U	0.6 U
Bis(2-Ethylhexyl)phthalate	5	0.93 U	0.93 U	2.5 J	1.5 J
Butyl benzyl phthalate	50	1.1 U	1.1 U	1.1 U	1.1 U
Carbazole	NS	0.37 U	0.37 U	0.37 U	0.37 U
Chrysene	0.002	**0.06** J	**0.23**	**0.09** J	0.05 U
Dibenzo(a,h)anthracene	NS	0.07 U	0.07 U	0.07 U	0.07 U
Dibenzofuran	NS	0.22 U	0.22 U	0.22 U	0.22 U
Diethyl phthalate	50	0.39 U	0.39 U	0.39 U	0.39 U
Dimethyl phthalate	50	0.33 U	0.33 U	0.33 U	0.33 U
Di-n-butylphthalate	50	0.77 U	0.77 U	0.77 U	0.77 U
Di-n-octylphthalate	50	1.2 U	1.2 U	1.2 U	1.2 U
Fluoranthene	50	0.25	0.77	0.24	0.04 U
Fluorene	50	0.11 J	0.6	0.06 J	0.06 U
Hexachlorobenzene	0.04	0.01 U	0.01 U	0.01 U	0.01 U
Hexachlorobutadiene	0.5	0.07 U	0.07 U	0.07 U	0.07 U
Hexachlorocyclopentadiene	5	0.58 U	0.58 U	0.58 U	0.58 U
Hexachloroethane	5	0.07 U	0.07 U	0.07 U	0.07 U
Indeno(1,2,3-cd)Pyrene	0.002	0.08 U	**0.09** J	0.08 U	0.08 U
Isophorone	50	0.79 U	0.79 U	0.79 U	0.79 U
Naphthalene	10	0.34	**330**	0.28	0.1 J
Nitrobenzene	0.4	0.4 U	0.4 U	0.4 U	0.4 U
NitrosoDiPhenylAmine(NDPA)/DPA	50	0.34 U	0.34 U	0.34 U	0.34 U
n-Nitrosodi-n-propylamine	NS	0.64 U	0.64 U	0.64 U	0.64 U
P-Chloro-M-Cresol	NS	0.54 U	0.54 U	0.54 U	0.54 U
Pentachlorophenol	NS	0.19 U	0.19 U	0.19 U	0.19 U
Phenanthrene	50	0.5	1.3	0.37	0.06 U
Phenol	NS	0.27 U	0.27 U	0.27 U	0.27 U
Pyrene	50	0.2	0.69	0.16 J	0.06 U

Note: † = The dilution factor varies.

Table 7
487 West 129th Street
New York, NY
Subsurface (Phase II) Investigation Groundwater Analytical Results
Metals - Total & Dissolved

Client ID	NYSDEC	GW-1	GW-2	GW-3	GW-4
Lab Sample ID	Class GA	L1423865-01	L1423865-02	L1423865-03	L1423865-04
Date Sampled	Ambient	10/8/2014	10/7/2014	10/8/2014	10/8/2014
Dilution	Standard	1/20/200 †	1/20/100 †	1/20/100 †	1/20/100 †
Total Metals - µg/L	**µg/L**				
Aluminum	**NS**	22,100	37,800	20,300	48,400
Antimony	**3**	0.6 J	0.6 J	0.2 J	0.4 J
Arsenic	**25**	13.2	**57.6**	22.1	**29.8**
Barium	**1,000**	471.8	**1,179**	429.7	**1,549**
Beryllium	**3**	**4**	**8.7**	**6.5**	**19.8**
Cadmium	**5**	0.8	0.7	1.6	**15.1**
Calcium	**NS**	133,000	263,000	206,000	171,000
Chromium	**50**	**107.4**	**99.7**	**113.1**	**180.8**
Cobalt	**NS**	42.7	119.3	25.8	96.4
Copper	**200**	120.9	91	92.5	**533.6**
Iron	**300**	**46,600**	**427,000**	**79,200**	**119,000**
Lead	**25**	**129.9**	**247.3**	**33.3**	**29.3**
Magnesium	**35,000**	34,500	28,300	**64,000**	**53,000**
Manganese	**300**	**3,741**	**16,770**	**5,939**	**28,260**
Mercury	**0.7**	0.09 J	0.33	0.07 J	0.1 J
Nickel	**100**	95.2	**103.5**	**200.6**	**731**
Potassium	**NS**	12,600	33,300	20,800	17,100
Selenium	**10**	**21**	**89**	**28**	**64**
Silver	**50**	0.1 U	0.1 J	0.1 U	0.3
Sodium	**20,000**	**210,000**	17,600	**321,000**	**150,000**
Thallium	**0.5**	0.3	0.2	0.1 J	0.3
Vanadium	**NS**	76.9	135.8	74.8	68.8
Zinc	**2,000**	94.7	357.1	163.2	751.1
Dissolved Metals - µg/L					
Aluminum	**NS**	21.4	21.1	2.69 J	189
Antimony	**3**	**4.37**	2.41 J	1.47 J	1.06 J
Arsenic	**25**	0.24 J	2.98	0.15 J	0.34 J
Barium	**1,000**	76.5	65.08	58.03	29.42
Beryllium	**3**	0.15 U	0.15 U	0.15 U	0.15 U
Cadmium	**5**	0.05 U	0.05 U	0.17 J	0.28
Calcium	**NS**	116,000	133,000	186,000	124,000
Chromium	**50**	0.69 J	0.7 J	0.84 J	1.75
Cobalt	**NS**	0.67	1.57	0.97	1.5
Copper	**200**	1.12	1.28	0.62 J	2.32
Iron	**300**	34.9 J	198	42.4 J	**891**
Lead	**25**	0.12 U	1.61	0.12 U	0.26 J
Magnesium	**35,000**	23,200	10,800	28,000	33,600
Manganese	**300**	67.92	**1,115**	209.5	**551.2**
Mercury	**0.7**	0.06 U	0.06 U	0.06 U	0.06 U
Nickel	**100**	3.37	1.54	9.48	11.51
Potassium	**NS**	12,200	20,600	16,800	13,200
Selenium	**10**	4.35 J	1 U	4.58 J	1.04 J
Silver	**50**	0.07 U	0.18 J	0.07 U	0.07 U
Sodium	**20,000**	**164,000**	13,200	**318,000**	**164,000**
Thallium	**0.5**	0.05 U	0.05 U	0.05 U	0.05 U
Vanadium	**NS**	0.55 U	0.55 U	0.55 U	0.86 J
Zinc	**2,000**	2.56 U	2.56 U	2.9 J	2.87 J

Note: † **=** Dilution factor varies.

Table 8
487 West 129th Street
New York, NY
Subsurface (Phase II) Investigation Groundwater Analytical Results
Polychlorinated Biphenyls & Pesticides

Client ID Lab Sample ID Date Sampled Polychlorinated Biphenyls - µg/L	NYSDEC Class GA Ambient Standard µg/L	GW-1 L1423865-01 10/8/2014	GW-2 L1423865-02 10/7/2014	GW-3 L1423865-03 10/8/2014	GW-4 L1423865-04 10/8/2014
Aroclor 1016	**NS**	0.066 U	0.077 U	0.066 U	0.078 U
Aroclor 1221	**NS**	0.064 U	0.074 U	0.064 U	0.075 U
Aroclor 1232	**NS**	0.037 U	0.043 U	0.037 U	0.044 U
Aroclor 1242	**NS**	0.072 U	0.084 U	0.072 U	0.085 U
Aroclor 1248	**NS**	0.061 U	0.071 U	0.061 U	0.072 U
Aroclor 1254	**NS**	0.041 U	0.048 U	0.041 U	0.048 U
Aroclor 1260	**NS**	0.038 U	0.044 U	0.038 U	0.045 U
Aroclor 1262	**NS**	0.035 U	0.041 U	0.035 U	0.041 U
Aroclor 1268	**NS**	0.045 U	0.052 U	0.045 U	0.053 U
PCBs, Total	**0.09**	ND	ND	ND	ND

Pesticides - µg/L

4,4'-DDD	**0.3**	0.005 U	0.005 U	0.005 U	0.005 U
4,4'-DDE	**0.2**	0.004 U	0.004 U	0.004 U	0.004 U
4,4'-DDT	**0.2**	0.004 U	0.004 U	0.004 U	0.004 U
Aldrin	**ND**	0.002 U	0.002 U	0.002 U	0.002 U
Alpha-BHC	**0.01**	0.004 U	0.004 U	0.004 U	0.004 U
Beta-BHC	**0.04**	0.006 U	0.006 U	0.006 U	0.006 U
Chlordane	**0.05**	0.046 U	0.046 U	0.046 U	0.046 U
cis-Chlordane	**0.05**	0.007 U	0.007 U	0.007 U	0.007 U
Delta-BHC	**0.04**	0.005 U	0.005 U	0.005 U	0.005 U
Dieldrin	**0.004**	0.004 U	0.004 U	0.004 U	0.004 U
Endosulfan I	**NS**	0.003 U	0.003 U	0.003 U	0.003 U
Endosulfan II	**NS**	0.005 U	0.005 U	0.005 U	0.005 U
Endosulfan sulfate	**NS**	0.005 U	0.005 U	0.005 U	0.005 U
Endrin	**ND**	0.004 U	0.004 U	0.004 U	0.004 U
Endrin ketone	**5**	0.005 U	0.005 U	0.005 U	0.005 U
Heptachlor	**0.04**	0.003 U	0.003 U	0.003 U	0.003 U
Heptachlor epoxide	**0.03**	0.004 U	0.004 U	0.004 U	0.004 U
Lindane	**0.05**	0.004 U	0.004 U	0.004 U	0.004 U
Methoxychlor	**35**	0.007 U	0.007 U	0.007 U	0.007 U
Toxaphene	**0.06**	0.063 U	0.063 U	0.063 U	0.063 U
trans-Chlordane	**0.05**	0.006 U	0.006 U	0.006 U	0.006 U

Table 9
487 West 129th Street
New York, NY
Subsurface (Phase II) Investigation Soil Vapor Analytical Results
Volatile Organic Compounds

Client ID Lab Sample ID Date Sampled Dilution µg/m³	NYSDOH Soil Vapor Intrusion Air Guideline Value µg/m³	NYSDOH 2003 Soil Vapor Indoor Upper Fence µg/m³	EPA 2001 BASE 90th percentile Indoor µg/m³	NYSDOH 2005 HEI RIOPA 95th percentile Indoor µg/m³	SV-1 L1424052-01 10/8/2014 2	SV-2 L1424052-02 10/7/2014 10	SV-3 L1424052-03 10/8/2014 1	SV-4 L1424052-04 10/8/2014 1	SV-5 L1424052-05 10/8/2014 1
1,1,1-Trichloroethane	NS	2.5	20.6	NS	2.18 U	10.9 U	1.09 U	1.09 U	1.09 U
1,1,2,2-Tetrachloroethane	NS	0.4	NS	NS	2.75 U	13.7 U	1.37 U	1.37 U	1.37 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	2.5	3.5	NS	3.07 U	15.3 U	1.53 U	1.53 U	1.53 U
1,1,2-Trichloroethane	NS	0.4	<1.5	NS	2.18 U	10.9 U	1.09 U	1.09 U	1.09 U
1,1-Dichloroethane	NS	0.4	<0.7	NS	1.62 U	8.09 U	0.809 U	0.809 U	0.809 U
1,1-Dichloroethene	NS	0.4	<1.4	NS	1.59 U	7.93 U	0.793 U	0.793 U	0.793 U
1,2,4-Trichlorobenzene	NS	0.5	<6.8	NS	2.97 U	14.8 U	1.48 U	1.48 U	1.48 U
1,2,4-Trimethylbenzene	NS	9.8	9.5	NS	17.2	42.1	19.7	17.9	21.5
1,2-Dibromoethane	NS	0.4	<1.5	NS	3.07 U	15.4 U	1.54 U	1.54 U	1.54 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane	NS	0.4	NS	NS	2.8 U	14 U	1.4 U	1.4 U	1.4 U
1,2-Dichlorobenzene	NS	0.5	<1.2	NS	2.4 U	12 U	1.2 U	1.2 U	1.2 U
1,2-Dichloroethane	NS	0.4	<0.9	NS	1.62 U	8.09 U	0.809 U	0.809 U	0.809 U
1,2-Dichloropropane	NS	0.4	<1.6	NS	1.85 U	9.24 U	0.924 U	0.924 U	0.924 U
1,3,5-Trimethylbenzene	NS	3.9	3.7	NS	5.36	28.8	5.6	4.66	6.49
1,3-Butadiene	NS	0.5	<3.0	NS	17.6	4.42 U	8.45	1.56	28.1
1,3-Dichlorobenzene	NS	0.5	<2.4	NS	2.4 U	12 U	1.2 U	1.2 U	1.2 U
1,4-Dichlorobenzene	NS	1.2	5.5	344	2.4 U	12 U	1.2 U	1.2 U	1.2 U
1,4-Dioxane	NS	NS	NS	NS	1.44 U	7.21 U	0.721 U	0.721 U	0.721 U
2,2,4-Trimethylpentane	NS	5	NS	NS	1.87 U	9.34 U	0.934 U	3.76	0.934 U
2-Butanone	NS	16	12	NS	15.2	13.2	14.5	7.96	20.7
2-Hexanone	NS	NS	NS	NS	1.64 U	8.2 U	0.82 U	0.82 U	0.82 U
3-Chloropropene	NS	NS	NS	NS	1.25 U	6.26 U	0.626 U	0.626 U	0.626 U
4-Ethyltoluene	NS	NS	3.6	NS	5.85	17.1	6.39	5.56	6.49
4-Methyl-2-pentanone	NS	1.9	6	NS	1.64 U	8.2 U	0.82 U	0.82 U	0.82 U
Acetone	NS	115	98.9	45.8	14.9	23.8 U	109	140	143
Benzene	NS	13	9.4	10	18.5	81.1	11	5.21	16.2
Benzyl chloride	NS	NS	<6.8	NS	2.07 U	10.4 U	1.04 U	1.04 U	1.04 U
Bromodichloromethane	NS	NS	NS	NS	2.68 U	13.4 U	1.34 U	1.34 U	1.34 U
Bromoform	NS	NS	NS	NS	4.14 U	20.7 U	2.07 U	2.07 U	2.07 U
Bromomethane	NS	0.5	<1.7	NS	1.55 U	7.77 U	0.777 U	0.777 U	0.777 U
Carbon disulfide	NS	NS	4.2	NS	110	10.6	10.2	6.63	16.8
Carbon tetrachloride	NS	1.3	<1.3	1.1	2.52 U	12.6 U	1.26 U	1.26 U	1.26 U
Chlorobenzene	NS	0.4	<0.9	NS	1.84 U	9.21 U	0.921 U	0.921 U	0.921 U
Chloroethane	NS	0.4	<1.1	NS	1.06 U	5.28 U	0.528 U	0.528 U	0.528 U
Chloroform	NS	1.2	1.1	6.34	5.32	9.77 U	2.89	1.37	2.03
Chloromethane	NS	4.2	3.7	NS	0.826 U	4.13 U	2.29	4.52	1.06
cis-1,2-Dichloroethene	NS	0.4	<1.9	NS	1.59 U	7.93 U	0.793 U	0.793 U	3.91
cis-1,3-Dichloropropene	NS	0.4	<2.3	NS	1.82 U	9.08 U	0.908 U	0.908 U	0.908 U
Cyclohexane	NS	6.3	NS	NS	7.61	967	23.8	3.24	11.5
Dibromochloromethane	NS	NS	NS	NS	3.41 U	17 U	1.7 U	1.7 U	1.7 U
Dichlorodifluoromethane	NS	10	16.5	NS	1.98 U	9.89 U	1.84	1.28	1.15
Ethyl Acetate	NS	NS	5.4	NS	3.6 U	18 U	1.8 U	1.8 U	1.8 U
Ethyl Alcohol	NS	1,300	210	NS	10.1	47.1 U	13.8	7.05	15.3
Ethylbenzene	NS	6.4	5.7	7.62	22.5	37.1	19.2	16	23.7
Heptane	NS	18	NS	NS	75.8	3,640	66	17.9	75.4
Hexachlorobutadiene	NS	0.5	<6.8	NS	4.27 U	21.3 U	2.13 U	2.13 U	2.13 U
iso-Propyl Alcohol	NS	NS	NS	NS	2.46 U	12.3 U	2.34	1.77	2.51
Methyl tert butyl ether	NS	14	11.5	36	1.44 U	7.21 U	0.721 U	0.721 U	0.721 U
Methylene chloride	60	16	10	7.5	3.47 U	17.4 U	3.26	1.74 U	1.74 U
n-Hexane	NS	14	10.2	NS	150	1,180	56.4	14	44.4
o-Xylene	NS	7.1	7.9	7.24	27.1	69.5	25.2	20.5	27.2
p/m-Xylene	NS	11	22.2	22.2	76.9	166	70.4	57.3	73.4
Styrene	NS	1.4	1.9	5.13	1.7 U	8.52 U	0.852 U	0.852 U	1.22
tert-Butyl Alcohol	NS	NS	NS	6.01	3.03 U	15.2 U	5.67	2.38	6
Tetrachloroethene	30	2.5	15.9	NS	2.71 U	13.6 U	1.76	1.36 U	16.3
Tetrahydrofuran	NS	0.8	NS	39.8	1.18 U	5.9 U	0.885	0.59 U	1.73
Toluene	NS	57	43	NS	89.3	114	69.7	61	75.4
trans-1,2-Dichloroethene	NS	NS	NS	NS	1.59 U	7.93 U	0.793 U	0.793 U	0.793 U
trans-1,3-Dichloropropene	NS	NC	<1.3	1.36	1.82 U	9.08 U	0.908 U	0.908 U	0.908 U
Trichloroethene	5	0.5	4.2	NS	2.15 U	10.7 U	1.07 U	1.07 U	3.47
Trichlorofluoromethane	NS	12	18.1	NS	2.25 U	11.2 U	1.12 U	1.12 U	1.43
Vinyl bromide	NS	NS	NS	NS	1.75 U	8.74 U	0.874 U	0.874 U	0.874 U
Vinyl chloride	NS	0.4	<1.9	NS	1.02 U	5.11 U	0.511 U	0.877	0.511 U

Tables 1-9
487 West 129th Street
New York, NY

Subsurface (Phase II) Investigation Analytical Results

Notes

GENERAL

NS : No cleanup objective listed.

ND : No detect.

NA : Not analyzed.

U : The analyte was not detected at the indicated concentration.

J : The concentration given is an estimated value.

FB, TB : Field blank, trip blank (aqueous matrix)

SOIL

Exceedences of Part 375 Unrestricted Soil Cleanup Objectives are highlighted in bold font.

Exceedences of Part 375 Restricted Residential Soil Cleanup Objectives are highlighted in gray.

Part 375 Soil Cleanup Objectives : Soil Clean-up Objectives listed in NYSDEC (New York State Department of Environmental Conservation) "Part 375" Regulations (6 NYCRR Part 375).

mg/kg : milligrams per kilogram = parts per million (ppm)

GROUNDWATER

Exceedences of NYSDEC Class GA Ambient Standard are highlighted in bold font.

NYSDEC Class GA Ambient Standard : New York State Department of Environmental Conservation Technical and Operational Guidance Series (1.1.1): Class GA Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations.

µg/L : micrograms per Liter = parts per billion (ppb)

SOIL VAPOR

NYSDOH Soil Vapor Intrusion Air Guidance Value : NYSDOH Air Guideline Values (AGVs) presented in the Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York, dated October 2006 (“NYSDOH Vapor Intrusion Guidance Document”).

NYSDOH 2003 Soil Vapor Upper Fence : Upper fence indoor air values from "Table C1. NYSDOH 2003: Study of Volatile Organic Chemicals in Air of Fuel Oil Heated Homes", published in the NYSDOH Soil Vapor Intrusion Guidance Document, Appendix C” (October 2006).

EPA 2001 BASE 90th percentile : 90th Percentile indoor air values from “Table C-2. EPA 2001: Building Assessment and Survey Evaluation (BASE) Database, SUMMA canister method”, published in the NYSDOH Soil Vapor Intrusion Guidance Document, Appendix C” (October 2006).

HEI RIOPA 2005 95th percentile : 95th Percentile Indoor Air Values from Table C-5, Health Effects Institute (HEI) 2005: Relationship of Indoor, Outdoor and Personal Air, published in the NYSDOH Soil Vapor Intrusion Guidance Document, Appendix C” (October 2006).

µg/m^3 : micrograms per cubic meter of air

APPENDIX A

PREVIOUS REPORTS

495 West 129th Street

MANHATTAN, NEW YORK

Phase I Environmental Assessment

AKRF Project Number: 10825

Prepared for:

Inner City Contracting, LLC
161 Suffolk Street
New York, NY 10002

Prepared by:

AKRF, Inc.
440 Park Avenue South
New York, NY 10016
212-696-0670

NOVEMBER 2007

AKRF
Environmental and Planning Consultants

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New York, NY 10016
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fax: 212 213-3191
www.akrf.com

November 19, 2007

Mr. Michael Faust
Inner City Contracting, LLC
161 Suffolk Street
New York, NY 10002

Re: Phase I Environmental Site Assessment
495 West 129th Street, Manhattan, NY
AKRF Project No. 10825

Dear Mr. Faust:

AKRF, Inc. is pleased to submit this Phase I Environmental Site Assessment Report for the above-referenced site. This report includes the findings of a site inspection, an evaluation of available historical information, the interpretation of selected federal and state environmental databases, and a review of selected New York City Buildings Department records. AKRF, Inc. met the requirements of American Society for Testing and Materials (ASTM) as established by ASTM Standard E1527-05 unless noted otherwise in Sections 9.0, 10.0, and 11.0.

We appreciate the opportunity to provide you with our services. If you have any questions or comments regarding the enclosed report, please do not hesitate to contact us.

Sincerely,

AKRF, Inc.

Michele Lapin, P.E.
Senior Vice President

Axel Schwendt P.G.
Geologist

Enc.

EXECUTIVE SUMMARY

AKRF, Inc. (AKRF) was retained by Inner City Contracting, LLC to perform an Environmental Site Assessment of 495 West 129th Street in Manhattan, New York. At the time of AKRF's site visit, the study site comprised the eastern portion of a warehouse building formerly used by the Metropolitan Opera House to store stage sets. The study site portion of this warehouse building was vacant and the western portion of the warehouse building was owned by the Metropolitan Opera House and is currently used to store stage sets. The study site was bound to the north by West 130th Street, to the south by West 129th Street, to the east by warehouses and a construction site, and to the west by the aforementioned western portion of the subject warehouse building used by the Metropolitan Opera House. The surrounding areas were primarily commercial and residential properties with some light industrial facilities.

The objective of this assessment was to identify any potential environmental concerns associated with the site resulting from past or current site usage or usage of neighboring properties. This Phase I Environmental Site Assessment was performed in accordance with customary principles and practices in the environmental consulting industry, and in conformance with the scope and limitations of ASTM Standard E1527-05, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Practice. Any exceptions to, or deletions from, this practice are described in Sections 9.0, 10.0 and 11.0 of this report. This assessment revealed evidence of the following recognized environmental conditions in connection with the site:

- Two small manways and several floor drains were noted on the floor of the study site. No connecting pipes could be seen. The floor drains may be connected to the municipal sewer system; however, they may be drywells. Small, empty containers of oil lube were noted inside the building and some oil staining was noted on the concrete floor of the building; however, no significant staining was noted near the floor drain structures. Historic releases into the drainage structures may have affected the study site.
- Sanborn maps indicated that the study site has been identified as the Metropolitan Street Railway Company Third Avenue Division Power Station and the Third Avenue Railway Company Car House and Repair Shop. Past on-site activities associated with these uses may have affected the study site.
- The project site is likely underlain by historic urban fill material, which is a recognized environmental concern.
- According to historic Sanborn maps and on-line information from the Department of Buildings, the building on the subject property was constructed in 1900, at which time many ACMs were utilized. Suspect ACMs observed during the site visit included roofing materials. Additional suspect ACMs may be present in hidden locations.
- Based on the age of the study site building, lead-based paint may be present. Painted surfaces of the study site were observed to be in poor condition.
- The on-site building was illuminated by fluorescent lighting. Based on the age of the study site building, suspect PCB- and mercury-containing fluorescent lights, switches, and other electrical equipment, may be present. No leaks or stains were noted around lighting fixtures and switches, which do not currently present a potential hazard to human health.
- The 1949 Certificate of Occupancy for the subject property indicated that the 495 West 129th Street building was a warehouse that had a boiler room in the cellar. AKRF did not observe a cellar at the subject property portion of the warehouse building; however, a cellar may have been present in the western portion of the warehouse building currently occupied by the Metropolitan Opera House. The

site is currently connected to natural gas service. A petroleum storage tank may have been associated with this boiler in the past. However, this Phase I ESA did not identify any petroleum storage tanks or spills reported for the study site building and no evidence of a petroleum storage tank (i.e., fill ports, vent pipes, etc.) was noted. Nonetheless, potential unreported releases from the suspected petroleum use at the boiler room in the west-adjacent portion of the building may have affected subsurface conditions at the study site.

- One 825-gallon underground gasoline tank and two 550-gallon underground gasoline tanks, noted on the 1912 through 2006 Sanborn maps, were located at the east-adjacent sites. Potential releases from these tanks may have affected the study site. No tanks were registered for the study site and no spills were reported for the study site or adjacent sites.
- Historical land use maps and the regulatory database search indicated that the study site and surrounding neighborhood has a history of manufacturing and industrial use. Reported and unreported releases from surrounding properties may have affected local groundwater quality.

Based on the results of this assessment, the following recommendations are noted:

- Based on the current use of the study site, no recommendations for further study or remediation are warranted for the study site at this time. Nonetheless, should development of the subject site be conducted in the future that involves subsurface disturbance of on-site soil, a subsurface (Phase II) investigation should be conducted prior to such activities to insure that construction activities are conducted in accordance with all applicable regulations and that the excavated materials are disposed of in accordance with all applicable regulations. The investigation should also be conducted to insure that proper measures are taken to prevent the community and construction workers from being affected by potential subsurface contaminants exposed during construction activities.
- Prior to any renovation or demolition activities with the potential to disturb suspect ACMs, an asbestos survey should be conducted. If these materials prove to contain asbestos, they should be properly removed and disposed of in accordance with all state and federal regulations.
- Renovation or demolition activities with the potential to disturb lead-based paint must be performed in accordance with the applicable Occupational Safety and Health Administration regulation (OSHA 29 CFR 1926.62 – Lead Exposure in Construction). Areas containing suspected lead-based paint should be maintained in good condition.
- Unless there is labeling or test data which indicates that the on-site fluorescent light fixtures are not mercury- and/or PCB-containing, if disposal is required, it should be performed in accordance with applicable federal, state and local regulations and guidelines.

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TABLES

FIGURES

APPENDICES

1.0 INTRODUCTION

AKRF, Inc. (AKRF) was retained by Inner City Contracting, LLC to perform a Phase I Environmental Site Assessment of a site located at 495 West 129th Street in Manhattan, New York. At the time of AKRF's site visit, the subject property comprised the eastern portion of a warehouse building formerly used by the Metropolitan Opera House to store stage sets. The study site portion of this warehouse building was vacant and the western portion of the warehouse building was owned by the Metropolitan Opera House and used to store stage sets. The subject site was bound to the north by West 130th Street, to the south by West 129th Street, to the east by warehouses and a construction site, and to the west by the aforementioned western portion of the subject warehouse building used by the Metropolitan Opera House. The surrounding areas were primarily commercial and residential properties with some light industrial facilities.

The scope of services for this assessment included the following:

- Visual observations of the study site and surrounding property were made to identify potential sources or indications of chemical contamination. The potential sources of contamination included, but were not limited to, underground storage tanks (USTs), aboveground storage tanks (ASTs), objects that could contain polychlorinated biphenyls (PCBs), and areas where hazardous materials were used, stored, treated, generated and/or disposed. Indications of chemical contamination include stained surfaces and chemical odors. In addition, readily-observable portions of the properties immediately adjacent to the study site were viewed from public rights-of-way to identify or determine the likelihood of any of the aforementioned potential sources of contamination being present.
- Published geological and groundwater information was obtained from available sources to determine the possibility of contamination from off-site sources.
- A review of radon concentrations in New York County was conducted to determine whether radon levels in the general area comply with United States Environmental Protection Agency (USEPA) guidelines.
- Historical land use atlases for the site and adjacent properties were reviewed to evaluate previous land use.
- The following federal regulatory databases were reviewed to determine the regulatory status of the site, adjacent properties, and properties within a predetermined study area; National Priority List (NPL); Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS); Emergency Response Notification System (ERNS); Toxic Chemical Release Inventory System (TRIS); the Permit Compliance System of Toxic Wastewater Discharges (WWD); the USEPA Civil Enforcement Docket; and the Air Discharge Facilities (ADF). The federal listing of facilities which are subject to corrective action under the Resource Conservation and Recovery Act (CORRACTS) is discussed with the State databases of RCRA listings.
- The following state regulatory databases were reviewed to determine the regulatory status of the site, adjacent properties, and properties within a predetermined study area; the listings of hazardous material spills (SPILLS); Resource Conservation and Recovery Act Notifiers (RCRA); Chemical Bulk Storage (CBS); Solid Waste Facilities (SWF); Petroleum Bulk Storage (PBS); State Inactive Hazardous Waste Disposal Sites (SHWS); Major Oil Storage Facilities (MOSF); Environmental Restoration Program facilities; Voluntary Cleanup Program facilities; and Brownfield Cleanup Program (BCP) facilities.

- A review of available New York City Fire Department records and New York City Buildings Department records was conducted to obtain any information pertinent to the assessment of the environmental condition of the subject property. Specifically, records regarding past and present on-site fuel oil tanks and historical uses were requested and reviewed.

2.0 PHYSICAL SITE DESCRIPTION

Visual inspection of the site and adjacent areas was performed on November 5, 2007 by Axel Schwendt and Jacob Shirmer of AKRF. Mr. John Schroeder of Inner City Contracting, LLC accompanied AKRF personnel through the site and answered pertinent questions. At the time of the inspection, the weather was sunny and approximately 60 ºF and the visibility good. Some areas were illuminated by natural and/or artificial light; non-illuminated areas were accessed by flashlight. The site was inspected for the presence of stained surfaces and soil, stressed vegetation, storage tanks, drums, leaking pipes, transformers, and any other evidence of hazardous material usage and storage on-site. A site plan is provided as Figure 2. Photographs documenting the site inspection are included in Appendix A.

2.1 General Site Conditions

The study site was located at 495 West 129th Street and comprised the eastern portion of a single-story warehouse structure, which was vacant at the time of AKRF's site visit. The western portion of the warehouse was owned and operated by the Metropolitan Opera House. According to Mr. Schroder, the subject site was formerly part of the west-adjacent Metropolitan Opera House and was used to store stage sets. A demising wall was constructed to separate the two portions of the building in early 2006. The study site portion of the warehouse comprised an approximately 19,500-square foot area with a high ceiling and a mezzanine level along the entire eastern length of the building. No landscaped areas were present and there was no basement or cellar in the building. The building was constructed of brick and steel with a concrete floor. A concrete block wall on the western side of the site separated the project area from the western side of the warehouse. According to Mr. Schroeder, the west-adjacent portion of the building was owned and operated by the Metropolitan Opera House to store stage sets.

A closet, bathroom, locker room, and utility room were located in the southeastern corner of the subject site. One heating, ventilation, and air conditioning (HVAC) unit was noted in the utility room. A stairwell adjacent to the utility room led to a second story office and the open mezzanine level that ran along the eastern edge of the building. Painted surfaces in these areas were noted to be in poor condition and crumbling. A small manway was located towards the northern end of the building, which was unable to be opened. Floor drains were noted throughout the building. No connecting pipes could be seen inside the drains. The drains may be connected to the municipal sewer system; however, they may be connected to drywells. Minor oil staining was noted throughout the concrete floor of the building; however, no significant staining was noted near the floor drain structures.

Mr. Schroeder indicated that the study site was heated solely by a single HVAC unit located in the utility room. Minor amounts of refuse were present throughout the building, including a few small, empty containers of oils and solvents. No leaks or spills were noted around these containers.

2.2 Topography and Hydrogeology

The surface topography slopes down to the southwest. Based on reports compiled by the U.S. Geological Survey (Brooklyn, NY Quadrangle), the property lies at an elevation of approximately

50 feet above the National Geodetic Vertical Datum of 1929 (an approximation of mean sea level).

U.S. Geological Survey reports indicate that the depth to bedrock at the site is expected to be approximately 50 feet below ground surface. Based on local topography, groundwater most likely flows in a southwesterly direction toward the Hudson River, located approximately ½-mile from study site. However, actual groundwater depth and flow direction at the site can be affected by many factors including past filling activities, underground utilities and other subsurface openings or obstructions such as basements, subway tunnels, underground parking garages, and other factors beyond the scope of this study.

2.3 Storage Tanks

2.3.1 Underground Storage Tanks (USTs)

No evidence was observed during the site visit that would indicate past or present underground storage tanks (USTs) being located at the study site. A review of the State regulatory records did not cite any USTs for the study site. Computerized New York City Fire Department records did not list any past or present, motor vehicle fuel or underground heating oil tanks for the study site. A review of Manhattan Buildings Department Block and Lot files did not note any documents relating to USTs on the study site.

Off-site underground storage tanks are discussed in Section 6.0.

2.3.2 Aboveground Storage Tanks (ASTs)

No evidence, such as concrete foundations, containment walls, pedestals, or steel support structures, was observed during the site visit to indicate that aboveground storage tanks (ASTs) were located on-site either at the time of the inspection or in the past. A review of the State regulatory records did not cite any aboveground storage tanks (ASTs) for the study site; computerized New York City Fire Department records did not list any past or present motor vehicle fuel or heating oil tanks for the subject property; and a review of Manhattan Buildings Department Block and Lot files did not note any documents relating to ASTs on the study site.

Off-site aboveground storage tanks are discussed in Section 6.0.

2.4 Polychlorinated Biphenyls (PCBs)

Prior to 1979, polychlorinated biphenyls (PCBs) were widely used for their cooling properties in electrical equipment such as transformers, capacitors, switches and voltage regulators. Based on the age of the building, fluorescent lights and equipment in electrical panels observed at the subject site may include PCB-containing components. No leaks or stains were noted around lighting fixtures and electrical panels, and they do not currently present a potential hazard to human health.

Unless there is labeling or test data which indicates on-site electrical equipment does not contain PCBs, if disposal is required, it should be performed in accordance with applicable federal, state and local regulations and guidelines.

2.5 Lead-Based Paint

The use of lead-based paint in New York City residential buildings was banned in 1960. Nationally, its residential use was banned by the Consumer Products Safety Commission in 1977.

The use of lead-based paint in commercial structures was severely restricted by the Consumer Products Safety Commission in 1977. Lead-based paint is potentially hazardous when in a deteriorating condition (i.e. chipped, broken, crumbling, pulverized); lead is potentially harmful to humans, particularly children, if ingested, inhaled or otherwise absorbed.

According to tax information provided by Toxics targeting, Inc., the building on the subject property was constructed in 1900, therefore, lead-based paint may be present. Painted surfaces were observed to be in poor and crumbling condition. Any demolition or renovation activities with the potential to disturb lead-based paint must be performed in accordance with the applicable Occupational Safety and Health Administration regulation (OSHA 29 CFR 1926.62—Lead Exposure in Construction).

2.6 Utilities

Consolidated Edison (Con Ed) provided electricity to the study site and surrounding area. The study site was connected to New York City municipal water and sewer systems. Mr. John Schroeder indicated that the subject building was heated solely by one HVAC system located in the utility room.

A small manway was located in the floor of the warehouse, which was unable to be accessed. Floor drains were noted inside the subject building. No connecting pipes could be seen. The drains may be connected to the municipal sewer system; however, they may be drywells. No significant staining was noted near the floor drains.

2.7 Waste Management and Chemical Handling

The subject property was vacant at the time of the site visit, therefore, no wastes or chemicals were observed being used at the site. Small amounts of general refuse were observed around the subject property. A few small empty containers of oils and solvents were observed at the site, suggesting that minor mechanical maintenance activities had occurred, however, no spills or leaks were observed around these containers. No other wastes were observed being generated at the study site.

2.8 Radon

Radon is a colorless, odorless gas produced by the radioactive decay of certain elements. The most common sources of radon are igneous and metamorphic rocks containing uranium (such as pitchblende), granite, shale, or phosphate, as well as soils or sediments derived from these parent materials. Radon may also be found in soils contaminated with certain industrial wastes (such as uranium or phosphate mine tailings) or in earth-derived building products which include industrial wastes that contain phosphate slag. In areas where the potential for radon accumulation is high, special ventilation systems may offset potential health hazards.

According to data compiled by the Bureau of Radiation Protection, a division of the New York State Department of Health, the average basement radon concentration in Manhattan is 2.0 picocuries/liter. The US EPA recommended action level is 4.0 picocuries/liter. It is unlikely for radon to pose a significant environmental concern to the site.

3.0 ASBESTOS-CONTAINING MATERIALS (ACM)

Asbestos, a known human carcinogen, is a generic name assigned to a group of naturally occurring minerals exhibiting high tensile strength and possessing excellent fire resistance and insulating properties.

These minerals include chrysotile, amosite, crocidolite, actinolite, tremolite and anthophyllite. Asbestos is commonly found as a component of building materials including: Thermal System Insulation (TSI), spray-applied fireproofing, spray- or trowel-applied surfacing materials, vinyl asbestos floor tiles and sheeting, plaster, sheetrock, ceiling tiles, fire door fill, roofing materials, thermal gaskets, mastics, and a range of other products.

Building materials containing greater than one percent asbestos are considered to be asbestos-containing materials (ACMs). ACMs are classified as friable or non-friable. Friable ACMs are those which can be crumbled, pulverized, or reduced to powder when dry by hand or other mechanical pressure. Friable ACMs, such as thermal system insulation and spray-applied fireproofing, are generally associated with a higher risk of releasing potentially hazardous fibers than non-friable ACMs, such as vinyl floor tiles and built-up roofing materials.

According to historic Sanborn maps reviewed as part of this Phase I ESA, buildings on the subject property were constructed in 1900, at which time many ACMs were utilized. Suspect ACMs observed during the site visit included roofing materials. Additional suspect ACMs may be present in hidden locations. No testing for asbestos was conducted as part of this assessment.

Sampling and analysis of all suspect ACMs should be performed prior to any disturbance. Identified ACMs should be removed by a licensed asbestos abatement contractor prior to building demolition or renovation.

4.0 ADJACENT LAND USE

The study site was bound to the north by West 130th Street, to the south by West 129th Street, to the east by warehouses and a construction site, and to the west by the western portion of the subject warehouse building used by the Metropolitan Opera House. The study site was surrounded by residential and commercial properties.

5.0 USER PROVIDED INFORMATION

5.1 Title Records

No information supplied by user.

5.2 Environmental Liens or Activity and use limitations

No information supplied by user.

5.3 Specialized knowledge

No information supplied by user.

5.4 Commonly known or recently ascertainable information

No information supplied by user.

5.5 Valuation Reduction for Environmental Issues

No information was obtained regarding any valuation reduction due to environmental issues.

5.6 Owner, property manager, and occupant information

The client is the owner and property manager of the subject site.

5.7 Reason for performing Phase I

The property is being evaluated for rezoning.

6.0 SITE HISTORY AND RECORDS REVIEW

6.1 Prior Ownership and Usage

6.1.1 Historical Land Use Maps

Historical insurance maps were reviewed for indications of industrial usage or other evidence suggesting the use or disposal of hazardous materials on or adjacent to the subject property. Specifically, Sanborn Fire Insurance Maps from 1893, 1902, 1909, 1912, 1951, 1969, 1976, 1989, and 2006 were reviewed.

1893

Sanborn coverage was not available for the study site in 1893; however, the north and northeast of the study site were shown on this map. The Convent of the Sacred Heart comprised a large campus located approximately 200 feet north-northeast of the study site. A coal storage facility was located at the northern end of the Convent. A contractor's yard and hospital was located approximately 300 feet north of the study site on the corner of West 131st Street and Amsterdam Avenue. A coal yard was located approximately 400 feet northwest of the study site on West 130th Street. A factory labeled "Smith and Kaufman Silk Ribbon" was located approximately 600 feet north-northwest of the study site on West 132nd Street. The remainder of the surrounding area was developed primarily with two to five-story dwellings and commercial buildings.

1902

The study site was identified as a one-story building labeled the Metropolitan Street Railway Company, Third Avenue Division, Power Station. Two to five-story dwellings and commercial buildings were located west-adjacent to the study site building, and vacant lots and a single-story dwelling were east-adjacent to the study site building. The Metropolitan Street Railway Company Car House and a wagon yard were located southwest of the study site across West 129th Street. The Manhattan Brewery, an iron works shop and a blacksmith were located approximately 500 feet south of the study site.

The remainder of the surrounding area was developed primarily with two to five-story dwellings and commercial buildings. No other significant changes were noted.

1909

Sanborn coverage was not available for the study site in 1909; however, properties north and northwest of the study site were included on the map. A Chinese Laundry was located approximately 700 feet northwest of the study site at the corner of West 131st Street and Old Broadway. A coal yard was present approximately 800 feet northeast of the study site. The remainder of the surrounding area was primarily residential and commercial in nature.

1912

The study site comprised a one-story building labeled the Third Avenue Railway Company Car House and Repair Shop. Two to five-story dwellings and commercial

buildings were located west-adjacent to the study site. A garage and repair shop was located at the east-adjacent property that contained two 550-gallon underground gasoline tanks and one 825-gallon underground gasoline tank.

The Metropolitan Street Railway Company Car House located south across West 129th Street on the 1909 map, was labeled the Third Avenue Railway Company Car House. The Bernaeimer and Schwartz Pilsner Brewing Company, which included an ice house and ice plant, were located approximately 200 feet southeast of the study site across West 129th Street. A Chinese laundry was located approximately 500 feet west of the subject property on Old Broadway. A garage with one 250-gallon gasoline tank was located approximately 700 feet west of the subject property, between West 129th and West 130th Streets.

The remainder of the surrounding area was developed primarily with two to six-story dwellings and commercial buildings, with some manufacturing and light industrial facilities throughout. No other significant changes were noted on the subject site or surrounding properties.

1951

The study site building was labeled the Metropolitan Opera Association Warehouse. One 825-gallon underground gasoline tank and one 550-gallon underground gasoline tank were shown at the east-adjacent garage property; one of the 550-gallon gasoline tanks noted on the 1912 map was no longer shown. A Chinese Laundry was located approximately 150 feet east of the study site, north of the garage near the intersection of West 129th Street and Convent Avenue.

The property located south of the study site across West 129th Street, previously labeled the Third Avenue Railway Company Car House, was labeled the Third Avenue Transit System Bus Garage. A repair shop was located in the southeastern corner of this site. Another garage was located approximately 200 feet southeast of the study site across West 129th Street and contained four 550-gallon buried gasoline tanks.

Two garage and repairs shops with gasoline tanks were located approximately 500 to 700 feet north-northwest of the study site. Three gasoline stations with a several gasoline tanks were noted on properties located approximately 800 to 1,000 feet west of the study site. A building labeled the Uncle Sam Chemical Manufacturing Company, located approximately 1,000 feet north-northwest of the subject property near the intersection of West 131st Street and Old Broadway, had two 550-gallon tanks on-site.

The remainder of the surrounding area was developed with two- to six-story dwellings, commercial buildings, and various manufacturing and light industrial facilities including, garages, automotive-related facilities, hospitals, and warehouses. No other significant changes were noted on the subject or surrounding properties.

1969

Sanborn coverage was not available for the subject property in 1969; however properties to the north of the study site were shown on the map. The The College of the City of New York, formerly the Convent of the Sacred Heart, was located approximately 200 feet north-northeast of the study site. A coal storage facility was located at the northern end of the college. A paint shop was located approximately two blocks north of the study site on Amsterdam Avenue between West 131st and West 133rd Streets. A laundry

facility and a boiler room were mapped at the New York City Housing Authority Manhattanville Houses, located approximately 500 to 800 feet northwest of the study site.

The remainders of the areas denoted on the available maps were developed primarily with two- to six-story dwellings and commercial buildings. No other significant changes were noted at surrounding properties.

1976

No changes were noted at the study site from the 1951 map. One 825-gallon underground gasoline tank and one 550-gallon underground gasoline tank, were located on the east-adjacent property, as shown on the 1951 map.

The Third Avenue Transit System Bus Garage, located south of the subject property across West 129th Street, was labeled the Manhattan and Bronx Surface Transit Operating Authority Bus Garage. Two repair shops were located in the southern areas of this facility. The garage located approximately 200 feet southeast of the study site on the 1951 map contained four 550-gallon buried gasoline tanks. The Chinese Laundry noted on the 1951 map, located approximately 150 feet east of the subject property, was no longer present.

The remainder of the surrounding area was primarily residential and commercial in nature. No other significant changes were noted on the subject or surrounding properties.

1989

No changes were noted on the study site from the 1976 map. The east-adjacent garage property, as noted in previous maps, contained one 825-gallon underground gasoline tank and one 550-gallon underground gasoline tank. The Manhattan and Bronx Surface Transit Operating Authority Bus Garage, located south across West 129th Street, was present as in earlier maps. The remainder of the surrounding area was primarily residential and commercial in nature.

2006

The subject property was labeled the Metropolitan Opera House Storage. The properties east- and west-adjacent to the study site consisted of dwellings and commercial buildings. The Manhattan and Bronx Surface Transit Operating Authority Bus Garage, previously located south of the study site across West 129th Street, was labeled the Surface Transportation Corporation Garage and Locker Rooms. A Verizon garage was located east-adjacent to this site.

The 825-gallon underground gasoline tank and 550-gallon underground gasoline tank noted on the 1912 through 1989 maps on the east-adjacent property were no longer shown. The four 550-gallon buried gasoline tanks noted on earlier maps approximately 200 feet southeast of the study site were no longer shown. The remainder of the surrounding area was residential and commercial in nature.

To summarize, the Sanborn maps indicated that the subject property has been identified as the Metropolitan Street Railway Company Third Avenue Division Power Station, the Third Avenue Railway Company Car House and Repair Shop and the Metropolitan Opera Association Warehouse. On-site activities associated with these site uses may have affected subsurface conditions at the study site.

Several underground gasoline tanks were noted on the east-adjacent property on the maps from 1912 through 2006. Several gasoline tanks were noted on the maps from 1912 through 2006 on properties to the north, south, and west of the subject property. The surrounding properties were historically residential, commercial, manufacturing and light industrial properties, including some laundry facilities.

6.1.2 Historical Aerial Photographs

Complete and thorough coverage was available for the subject property utilizing historical land-use maps. The maps included detailed information such as dates of construction, building occupants or a vacant status, and use and/or zoning use of structures on the site and surrounding area. Aerial photographs would, most likely, not provide additional, unique information that is pertinent to the environmental condition of the property. As such, aerial photographs were not reviewed for the project site.

6.1.3 Property Tax Files and Zoning Records

The tax parcel comprising the subject site is zoned M1-1 (*light manufacturing located adjacent to low density residential district*). The building class is E1 (*fireproof warehouse*). The tax information provided by Toxics Targeting, Inc. indicated that the on-site building was constructed in 1900.

6.1.4 Building Department Record

Records maintained by the New York City Fire and Buildings Departments were investigated to determine the potential presence of hazardous materials and are discussed under Section 6.2.3. Information provided by the New York City Buildings Department on-line Buildings Information System included two Certificate of Occupancies for the subject property, 495 West 129th Street (Tax Block 1969, Lot 6).

The 1921 Certificate of Occupancy indicated that the building was a garage. The 1949 Certificate of Occupancy indicated that the building was a warehouse that had a boiler room in the cellar. AKRF did not observe a cellar at the study site portion of the warehouse building; however, a cellar may have been present in the western portion of the warehouse building. A petroleum storage tank may have been associated with this boiler. No information regarding storage tanks or other pertinent environmental information was included on the Certificates of Occupancy.

6.2 Regulatory Review

Toxics Targeting, Inc. of Ithaca, New York, was contracted to obtain information regarding the regulatory status of the property and the surrounding area. This information included records from databases maintained by the USEPA and New York State Department of Environmental Conservation (NYSDEC). AKRF reviewed these records to identify the use, generation, storage, treatment and/or disposal of hazardous material and chemicals, or releases of such materials which may impact the project site. All applicable regulatory databases meet ASTM guidelines requesting utilization of information within 90 days' receipt from the appropriate agency. Copies of the pertinent sections of the Toxics Targeting, Inc. report are included in Appendix C.

6.2.1 Federal

The federal records reviewed included the National Priority List (NPL); Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS); Emergency Response Notification System (ERNS); Toxic Chemical Release Inventory

System (TRIS); the Permit Compliance System of Toxic Wastewater Discharges (WWD); the USEPA Civil Enforcement Docket; and Air Discharge Facilities (ADF). The federal listing of facilities which are subject to corrective action under the Resource Conservation and Recovery Act (CORRACTS) is discussed with the State databases of RCRA listings.

National Priority List (NPL)

The NPL is the USEPA's database of some of the most serious uncontrolled or abandoned hazardous waste sites identified for probable remedial action under the Superfund Program. These sites may constitute an immediate threat to human health and the environment. Due to the amount of public attention focused on NPL sites, they pose a significant risk of stigmatizing surrounding properties and potentially impacting property values.

No NPL sites were identified within a one-mile radius of the study site.

Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS)

CERCLIS is a compilation of known or suspected, uncontrolled or abandoned hazardous waste sites which the USEPA has investigated, or plans to investigate, for a release, or threatened release, of hazardous substances pursuant to the Superfund Act of 1980 (CERCLA). Some of these sites may constitute a potential threat to human health and the environment. While it has been determined by the USEPA that some CERCLIS sites require no action, others could pose a real or perceived environmental threat to neighboring properties, thus affecting property values.

No CERCLIS sites were identified within a ½-mile radius of the study site.

Emergency Response Notification System (ERNS)

This federal database, compiled by the Emergency Response Notification System, records and stores information on reported releases of petroleum and other potentially hazardous substances.

The subject property was not listed as an ERNS site.

Toxic Chemical Release Inventory System (TRIS)

The TRIS contains information reported to the USEPA and/or NYSDEC by a variety of industries on their annual estimated releases of certain chemicals to the environment. The TRIS was mandated by Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986. Available information includes the maximum amount of chemicals stored on-site; the estimated quantity emitted into the air, discharged into bodies of water, injected underground, or released to land; methods used in waste treatment and their efficiency; and data on the transfer of chemicals off-site.

One TRIS site was identified within a ⅛-mile radius of the study site. Amsterdam Bus Depot, located at 1381 Amsterdam Avenue approximately 250 feet south-southwest of the study site, was listed for the transfer of 9,500 pounds of ethylene glycol in 1997 to waste broker-recycling. The listing, based on its location and distance, is not expected to have affected the study site.

Permit Compliance System of Toxic Wastewater Discharge (WWD)

This federal- and state-maintained database contains a listing of sites which discharge wastewater containing potentially hazardous chemicals.

No WWD facilities were reported within a ⅛-mile radius of the study site.

United States Environmental Protection Agency Civil Enforcement Docket

This database is the USEPA's system for tracking civil judiciary cases filed on behalf of the agency by the Department of Justice.

No facilities were listed in the USEPA's Civil Enforcement Docket within a ⅛-mile radius of the study site.

Air Discharge Facilities Index (ADF)

This listing of sites tracked by the US EPA AIRS Database includes address information on each facility and the source of its associated air emissions.

One Air Discharge Facility was identified within a ⅛-mile radius of the study site. Amsterdam Bus Depot, located approximately 250 feet south-southwest of the study site at 1381 Amsterdam Avenue, was listed for nitrogen dioxide emissions above the applicable major source thresholds. The site was listed as being in compliance with the issued permits. The listing, based on the information provided, is not expected to have affected the study site.

6.2.2 State

The state records reviewed included the listings of hazardous material spills (SPILLS); Resource Conservation and Recovery Act Notifiers (RCRA); Chemical Bulk Storage (CBS); Solid Waste Facilities (SWF); Petroleum Bulk Storage (PBS); State Inactive Hazardous Waste Disposal Sites (SHWS); Major Oil Storage Facilities (MOSF); Environmental Restoration Program; Voluntary Cleanup Program; and Brownfield Cleanup Program (BCP).

New York SPILLS Database

The New York SPILLS database includes a list of releases reported to the NYSDEC, including those attributed to tank test failures and tank failures. The tank test failures list only covers tanks that are below ground, while the tank failures list includes those that are either below or above ground. This database also lists spills that occur during the transportation of chemicals.

No spills were reported for the subject property. Two hundred and five (205) spills were reported within a ½-mile radius of the subject site, 163 of which have had their spill numbers closed by the NYSDEC and are documented as "cleanup meets standard," indicating that the NYSDEC does not consider these sites to be continued threats to human health or the environment.

The two closest spills include:

- A pavement area, located approximately 120 feet north-northeast of the study site at West 130th Street between Convent Avenue and Amsterdam Avenue, was listed for a 5-gallon plastic container of waste oil that was repeated as leaking

onto the street. The spill was reported on October 10, 2005 and closed November 28, 2005.

- Amsterdam Bus Depot, located on the south-adjacent block at 1381 Amsterdam Avenue, was listed for eight closed status petroleum spills. One spill was reported for a tank test failure in January 1992. Additionally, approximately 400 gallons of petroleum and antifreeze were reportedly released at the site during maintenance and other on-site activities between 1992 and 2002. Details of all listed spills are included in Appendix C.

Based on the details of reported spills in the surrounding area, local groundwater quality may have been affected. Details of all listed spills are included in Appendix C.

Resource Conservation and Recovery Act (RCRA) Notifiers Listings

The NYSDEC's Bureau of Hazardous Waste Facility Compliance regulates hazardous waste from the point of generation to the point of disposal. The identified sites tracked on this list are those which have filed notification forms in accordance with the Resource Conservation and Recovery Act requirements regarding their hazardous waste activity. These sites include treatment, storage and disposal facilities (TSDs); small-quantity and large-quantity generators; and transporters of hazardous waste regulated under RCRA. The discussion below includes any CORRACTS listings of facilities which are subject to corrective action under RCRA.

One RCRA TSD facility was identified within a ½-mile radius of the study site. Ashland Chemical Corporation, located approximately 1,450 feet northwest of the study site at 609 West 131st Street, was listed as a TSD facility that was historically listed as a Large-Quantity hazardous waste Generator. Two US EPA RCRA Violations were reported but have since been returned to compliance. No other information was available. Ashland Chemical Corporation lies in a presumed downgradient groundwater flow direction from the site and is not expected to have affected soil or groundwater beneath the study site. This site was also listed as a CORRACTS facility.

Twelve (12) RCRA Generators/Transporters were reported within a ⅛-mile radius of the subject site.

Based on the number of RCRA sites listed in the surrounding area, known and potential releases from those sites may have affected local groundwater quality.

Chemical Bulk Storage (CBS) Database

The New York CBS is a list of facilities that store regulated non-petroleum substances in aboveground tanks with capacities greater than 185 gallons and/or in underground tanks of any size.

One CBS facility was listed within a ⅛-mile radius of the study site. Amsterdam Bus Depot, located at 1381 Amsterdam Avenue, south of the study site across West 129th Street, was listed for four aboveground storage tanks containing ethylene glycol; one 500-gallon tank is currently listed as in service. Eight closed status spills were reported for this site, though none of the reported spills were for a release of glycol. Materials spilled were antifreeze, diesel, No. 2 fuel oil, hydraulic oil, lube oil, and waste oil. Based on its proximity to the study site and the information provided in the database, this site may have affected groundwater beneath the study site.

Solid Waste Facilities (SWF)

This database includes a listing of landfills, incinerators, transfer stations, recycling centers, and other sites which manage solid waste.

No Solid Waste Facilities were identified within a ½-mile radius of the study site.

Petroleum Bulk Storage (PBS) Database

The New York State PBS lists commercial facilities with registered petroleum tanks located either above or below ground in excess of 1,100 gallons and less than 400,000 gallons.

Twenty two (22) PBS sites were identified within a ⅛-mile radius of the study site. The study site was not listed on the PBS database. Details of the facilities on the study block are listed in Table 1.

Table 1
Area Petroleum Bulk Storage Facility Data

Location	Capacity (gallons)	Product Stored	Status	Approximate Distance/Direction from Study Site
1405 Amsterdam Avenue	3,000 AST	#2 Fuel Oil	In Service	135 feet west
48 Convent Avenue	5,000 AST	#2 Fuel Oil	In Service	210 feet east-southeast

Note: AST - Above ground storage tank

Both of the PBS sites listed in Table 1 do not have closed spill numbers, are not located in a presumed upgradient groundwater flow direction, and are not expected to have affected the study site based on distance and/or information provided in the database.

The Amsterdam Bus Depot, located at 1381 Amsterdam Avenue, on the south-adjacent block, was listed for 18 petroleum storage tanks ranging in size from 400 gallons to 15,000 gallons. In addition, this site was listed for eight closed status petroleum spills.

Details of the 22 PBS facilities located within a ⅛-mile radius of the study site are included in Appendix C.

State Inactive Hazardous Waste Disposal Site Registry (SHWS)

This database maintains information and aids decision-making regarding the investigation and clean-up of hazardous sites. The Registry's information includes the clean-up status, type of clean-up, types and quantities of contaminants involved, and the assessment of health and environmental concerns.

One State Inactive Hazardous Waste Disposal Site was reported within a one-mile radius of the study site. Based on its distance and location, this site is not expected to have affected the study site.

State Hazardous Substance Waste Disposal Site Study (SHSWDS)

This database tracks waste disposal sites that may pose threats to public health or the environment, but that cannot be remediated using monies from the Hazardous Waste Remediation Fund.

No SHSWDSs were identified within a one-mile radius of the study site.

Major Oil Storage Facilities (MOSF) Database

These facilities may be on-shore facilities or vessels with petroleum storage capacities of 400,000 gallons or more.

There were no Major Oil Storage Facilities reported within a ⅛-mile radius of the study site.

Environmental Restoration Program

These sites (which are generally municipally-owned) are receiving New York State funding, through the Clean Water/Clean Air Bond Act of 1996, to reimburse costs for site investigation and remediation. Some sites in this program have known extensive contamination, whereas others have more limited contamination or have not had sufficient investigation to determine whether or not contamination is present.

No Environmental Restoration Programs were identified within a ½-mile radius of the study site.

Voluntary Cleanup Program

In contrast to the Environmental Restoration Program, the Voluntary Cleanup Program is a NYSDEC program for investigation and remediation of generally privately-owned sites. It allows volunteers to obtain NYSDEC liability releases following cleanup. New sites are no longer accepted into this program (see the Brownfield Cleanup Program, below) though existing sites may continue to be addressed. Some sites in this program have known extensive contamination, whereas others have more limited contamination or have not had sufficient investigation to determine whether or not contamination is present.

One Voluntary Cleanup Program sites was identified within a ½-mile radius of the study site. Consolidated Edison-West 132nd Street Station, located approximately 1,700 feet to the northwest of the study site at 12th Avenue between West 131st and West 133rd Streets, was listed as a Voluntary Cleanup Program. The site is the location of two former gas holders, the last of which was closed in 1962. Based on the distance and direction of this site, this is unlikely to have affected the study site.

Brownfield Cleanup Program

In 2003, a New York State law established this successor to the Voluntary Cleanup Program. In addition to liability releases, it established a variety of tax credits for sites remediated through the program. Some sites in this program have known extensive contamination, whereas others have more limited contamination or have not had sufficient investigation to determine whether or not contamination is present.

No Brownfield Cleanup Program sites were identified within ½-mile of the study site.

6.2.3 Local

The local records reviewed included the New York City Fire Department tank records and the Buildings Department on-line Buildings Information system. These records typically include fuel oil, gasoline and waste oil tank installation applications and permits, and records of prior uses.

Fire Department

The database search provided by Toxics Targeting, Inc. indicated that there are no Fire Department records for the study site.

Buildings Department

Records maintained by the New York City Buildings Department were investigated to determine the potential presence of hazardous materials. Information provided by the New York City Buildings Department on-line Buildings Information System included two Certificate of Occupancies for the subject property 495 West 129th Street (Tax Block 1969, Lot 6).

The 1921 Certificate of Occupancy indicated that the building was a garage. The 1949 Certificate of Occupancy indicated that the building was a warehouse that had a boiler room in the cellar. AKRF did not observe a cellar at the study site portion of the warehouse building; however, a cellar may be present in the western portion of the warehouse building. A petroleum storage tank may have been associated with this boiler. However, the site is currently connected to natural gas service, no tanks were registered for the study site, and AKRF did not observe any evidence of tanks. No information regarding storage tanks or other pertinent environmental information was included on the Certificates of Occupancy.

6.2.4 Additional Environmental Record Sources

Information about potential off-site impacts and recognized environmental conditions on-site was available from regulatory databases, site tank closure records, the site visit and on-site interviews. Given that it is unlikely that further significant information exists in additional environmental record sources, and given that it is unlikely that it would change the findings of this Phase I assessment, no additional sources were reviewed.

7.0 INTERVIEWS

7.1 Interview with owner and site managers

The site manager, John Schroeder, provided the following information about the study site:

- The building was previously owned by the Metropolitan Opera to store stage sets.
- Inner City Contracting, LLC purchased the building in 2005, which has been vacant since that time.

7.2 Interview with occupants

There were no occupants of the study site.

7.3 Interview with local government officials

Federal, state and local regulatory databases were consulted for identifying recognized environmental conditions (RECs) on the property due to on-site or off-site conditions. Given that is unlikely that further significant information would be available from local government officials, and given that it is unlikely that such information would materially change the findings of this Phase I assessment, local government officials were not interviewed.

8.0 PREVIOUS STUDIES

Phase I Environmental Site Assessment. 495 West 129th Street, New York, New York, by Warren & Panzer Engineers, P.C., May 2005

A Phase I Environmental Site Assessment was conducted by Warren & Panzer Engineers, P.C., for the 495 West 129th Street site in Manhattan, New York in May 2005. The report identified environmental conditions at the study site including lead-based paint, PCBs, and mercury containing equipment. No oil storage tanks were identified with the site. Recommendations made in the report indicated that lead-based painted surfaces and PCB- and mercury-containing materials should be managed in accordance with applicable regulations.

9.0 LIMITATIONS

This assessment met the requirements of the American Society for Testing and Materials (ASTM) as established by ASTM Standard E1527-05. The following limitations should be noted:

- Results of this investigation are valid as of the dates on which the investigation was performed.
- A limited visual inspection for asbestos was performed in readily accessible areas only. No samples were collected as part of this assessment.

10.0 DEVIATIONS

The User did not request any deviations from the ASTM Standard.

11.0 DATA GAPS

Section 3.3.20 of ASTM Standard E 1527-05 defines a data gap as the inability to obtain information required by the ASTM Standard despite good faith efforts to obtain applicable data. Data gaps may result from incompleteness in any of the activities required by the by the ASTM Standard. The following data gaps occurred in connection with this report:

Table 2
Data Gaps Identified

Data Gap	Explanation	Relevance of Gap
Project site Area History	The Project site area history was not conducted in five-year intervals	This data gap is not likely to alter the conclusions of the report

Project site Area History	The Project site area history was not conducted to prior to site development	This data gap is not likely to alter the conclusions of the report
Interview with former Owner or Operator	AKRF did not contact the former site owner or operator	This data gap is not likely to alter the conclusions of the report
Interview with Owner or Operator of site abutters	AKRF did not locate the owners or operators of the abutting properties	This data gap is not likely to alter the conclusions of the report
Interview with former Owner or Operator of site abutters	AKRF did not locate the former owners or operators of the abutting properties	This data gap is not likely to alter the conclusions of the report

12.0 CONCLUSIONS AND RECOMMENDATIONS

This Phase I Environmental Site Assessment was performed in accordance with customary principles and practices in the environmental consulting industry, and in conformance with the scope and limitations of ASTM Standard E1527-05, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Practice. Any exceptions to, or deletions from, this practice are described in Sections 9.0, 10.0, and 11.0 of this report.

The objective of this assessment was to identify any potential environmental concerns associated with the site resulting from past or current site usage and usage of neighboring properties. This assessment revealed evidence of the following recognized environmental conditions in connection with the site:

- Two small manways and several floor drains were noted on the floor of the study site. No connecting pipes could be seen. The floor drains may be connected to the municipal sewer system; however, they may be drywells. Small, empty containers of oil lube were noted inside the building and some oil staining was noted on the concrete floor of the building; however, no significant staining was noted near the floor drain structures. Historic releases into the drainage structures may have affected the study site.
- Sanborn maps indicated that the study site has been identified as the Metropolitan Street Railway Company Third Avenue Division Power Station and the Third Avenue Railway Company Car House and Repair Shop. Past on-site activities associated with these uses may have affected the study site.
- The project site is likely underlain by historic urban fill material, which is a recognized environmental concern.
- According to historic Sanborn maps and on-line information from the Department of Buildings, the building on the subject property was constructed in 1900, at which time many ACMs were utilized. Suspect ACMs observed during the site visit included roofing materials. Additional suspect ACMs may be present in hidden locations.
- Based on the age of the study site building, lead-based paint may be present. Painted surfaces of the study site were observed to be in poor condition.
- The on-site building was illuminated by fluorescent lighting. Based on the age of the study site building, suspect PCB- and mercury-containing fluorescent lights, switches, and other electrical equipment, may be present. No leaks or stains were noted around lighting fixtures and switches, which do not currently present a potential hazard to human health.
- The 1949 Certificate of Occupancy for the subject property indicated that the 495 West 129th Street building was a warehouse that had a boiler room in the cellar. AKRF did not observe a cellar at the subject property portion of the warehouse building; however, a cellar may have been present in the western portion of the warehouse building currently occupied by the Metropolitan Opera House. The site is currently connected to natural gas service. A petroleum storage tank may have been associated with this boiler in the past. However, this Phase I ESA did not identify any petroleum storage tanks or spills reported for the study site building and no evidence of a petroleum storage tank (i.e., fill ports, vent pipes, etc.) was noted. Nonetheless, potential unreported releases from the suspected petroleum use at the boiler room in the west-adjacent portion of the building may have affected subsurface conditions at the study site.

- One 825-gallon underground gasoline tank and two 550-gallon underground gasoline tanks, noted on the 1912 through 2006 Sanborn maps, were located at the east-adjacent sites. Potential releases from these tanks may have affected the study site. No tanks were registered for the study site and no spills were reported for the study site or adjacent sites.
- Historical land use maps and the regulatory database search indicated that the study site and surrounding neighborhood has a history of manufacturing and industrial use. Reported and unreported releases from surrounding properties may have affected local groundwater quality.

Based on the results of this assessment, the following recommendations are noted:

- Based on the current use of the study site, no recommendations for further study or remediation are warranted for the study site at this time. Nonetheless, should development of the subject site be conducted in the future that involves subsurface disturbance of on-site soil, a subsurface (Phase II) investigation should be conducted prior to such activities to insure that construction activities are conducted in accordance with all applicable regulations and that the excavated materials are disposed of in accordance with all applicable regulations. The investigation should also be conducted to insure that proper measures are taken to prevent the community and construction workers from being affected by potential subsurface contaminants exposed during construction activities.
- Prior to any renovation or demolition activities with the potential to disturb suspect ACMs, an asbestos survey should be conducted. If these materials prove to contain asbestos, they should be properly removed and disposed of in accordance with all state and federal regulations.
- Renovation or demolition activities with the potential to disturb lead-based paint must be performed in accordance with the applicable Occupational Safety and Health Administration regulation (OSHA 29 CFR 1926.62 – Lead Exposure in Construction). Areas containing suspected lead-based paint should be maintained in good condition.
- Unless there is labeling or test data which indicates that the on-site fluorescent light fixtures are not mercury- and/or PCB-containing, if disposal is required, it should be performed in accordance with applicable federal, state and local regulations and guidelines.

13.0 SIGNATURE PAGE

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312.

I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have performed all the appropriate inquiries in conformance with standards and practices set forth in 40 CFR Part 312.

Axel E. Schwendt P.G.
Technical Director

14.0 QUALIFICATIONS

The purpose of this assessment was to convey a professional opinion about the potential presence or absence of contamination, or possible sources of contamination on the property, and to identify existing and/or potential environmental problems associated with the property.

The assessment was performed in accordance with customary principles and practices in the environmental consulting industry, and in accordance with ASTM Standard E1527-05, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Practice. It is intended for use as a supplement to the property appraisal, and is only to be used as a guide in determining the possible presence or absence of hazardous materials on the subject property at the time of the inspection. This assessment is based upon the review of readily available records relating to previous use of both the project site and the surrounding area, as well as a visual inspection of the current condition of the property. Environmental characteristics at this site and surrounding sites may be subject to change in the future.

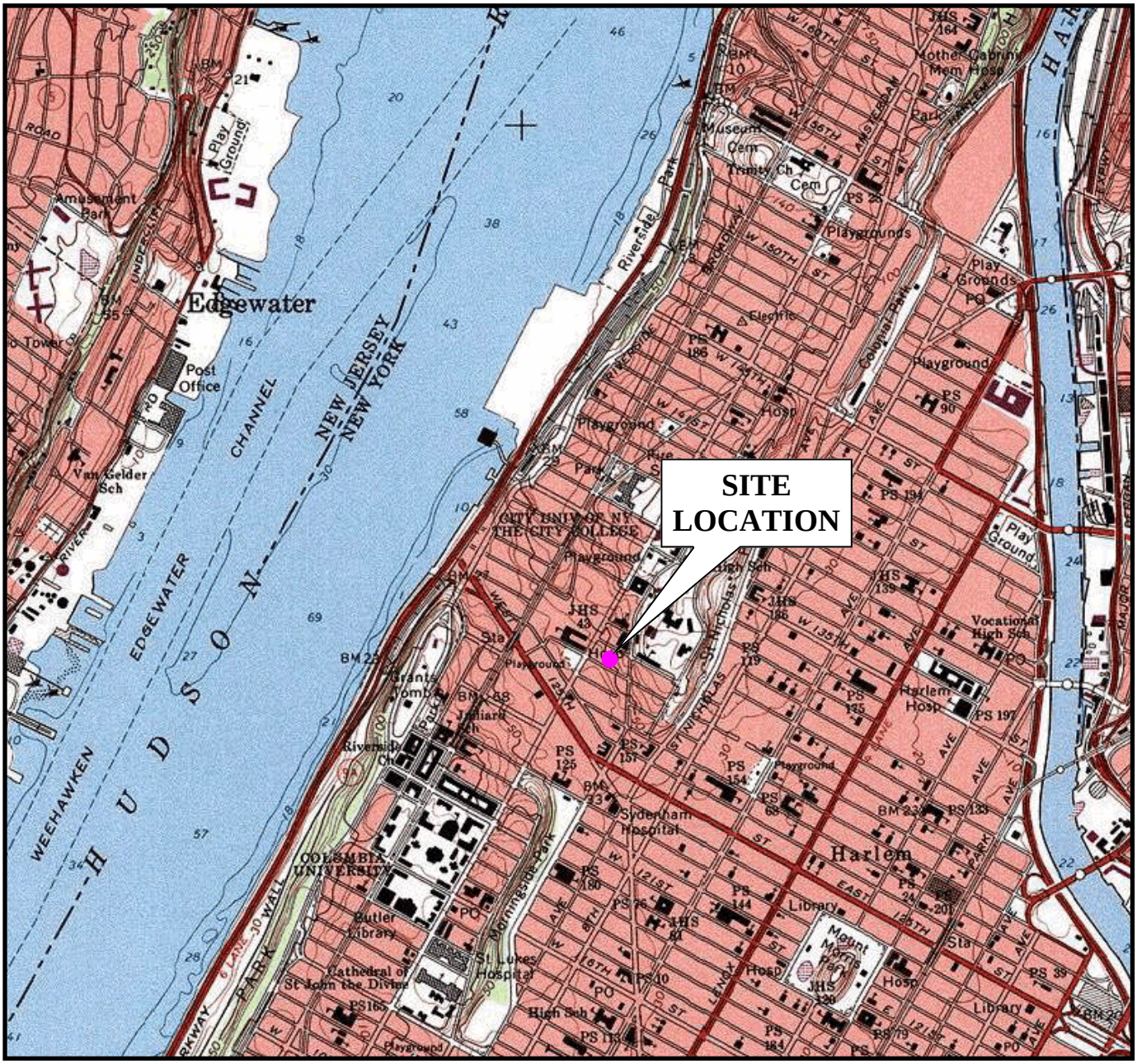
This Phase I Assessment is not, and should not be construed as, a guarantee, warranty, or certification of the presence or absence of hazardous substances, which can be made only with testing, and contains no formal plans or recommendations to rectify or remediate the presence of any hazardous substances which may be subject to regulatory approval. This report is not a regulatory compliance audit.

This report is based on services performed by AKRF, Inc. professional staff and observation of the site and its surrounding area. We represent that observations made in this assessment are accurate to the best of our knowledge, and that no findings or observations concerning the potential presence of hazardous substances have been withheld or amended. The research and inspections have been carried to a level that meets accepted industry and professional standards. Nevertheless, AKRF and the undersigned shall have no liability or obligation to any party other than Inner City Contracting, LLC and their successors or assignees, and AKRF's obligations and liabilities to the above, their successors or assignees is limited to fraudulent statements made, or negligent or willful acts or omissions.

15.0 REFERENCES

1. Toxics Targeting, Inc.; 57-59 Irving Place, New York, New York 10003; Regulatory Radius Search; July 19, 2007.
2. U.S. Geological Survey; Brooklyn, NY Quadrangle; 7.5 minute Series (Topographic); Scale 1:24,000; 1995.
3. U.S. Geological Survey; Reconnaissance of the Ground-Water Resources of Kings and Queens Counties, New York; U.S. Geological Survey; Open-File Report 81-1186; 1981.
4. U.S. Geological Survey; Water-Table Altitude in Kings and Queens Counties, New York, in March 1997; U.S. Geological Survey; Fact Sheet FS 134-97.
5. New York State Department of Health: Office of Public Health - Environmental Radiation Section; Basement Radon Screening Data; August, 2006.
6. Sanborn Insurance Maps dated 1893, 1902, 1909, 1912, 1951, 1969, 1976, 1989, and 2006.

FIGURES



SCALE IN FEET

0’ 1000’ 2000’ 4000’

SCALE: 1”=2000’

N

SOURCE:

7.5 MINUTE SERIES USGS TOPOGRAPHIC MAP
QUADRANGLE: CENTRAL PARK, NY 1995

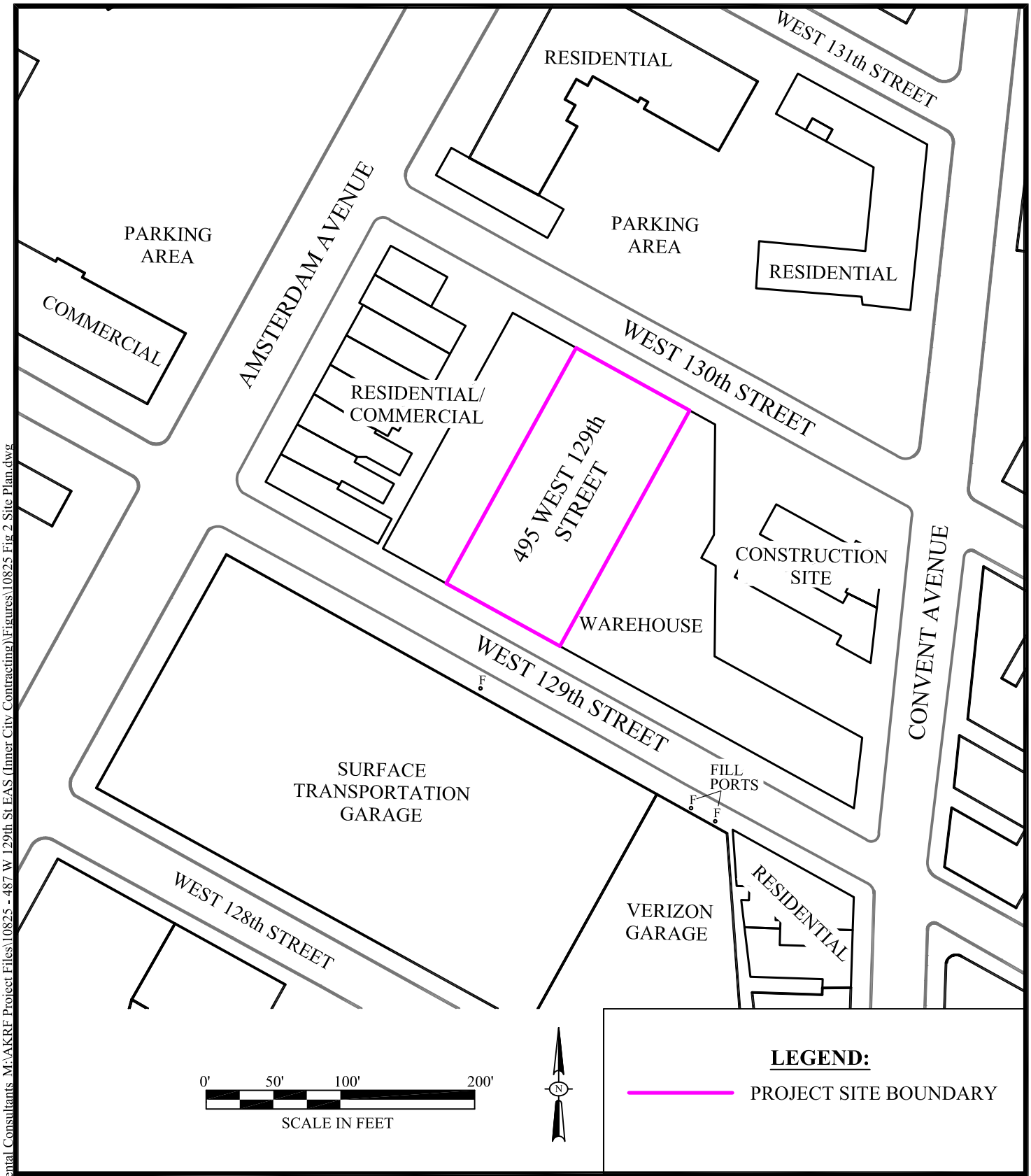
495 WEST 129th STREET
NEW YORK, NEW YORK

PROJECT SITE LOCATION

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

DATE **11.19.07**
PROJECT No. **10825**
SCALE **AS SHOWN**
FIGURE **1**

© 2007 AKRF, Inc. Environmental Consultants M:\AKRF Project Files\10825 - 487 W 129th St EAS (Inner City Contracting)\Figures\10825 Fig 1 loc map.pub



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495 WEST 129th STREET
NEW YORK, NEW YORK

SITE PLAN DETAIL

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

DATE **11.19.07**
PROJECT No. **10825**
SCALE **AS SHOWN**
FIGURE **2**

APPENDIX A

PHOTOGRAPHIC DOCUMENTATION

Photograph 1. South side of study site along West 129th Street.

Photograph 2. Rear of study site along West 130th Street.

Photograph 3. Bathroom, utility room, locker room, and second-story office area in study site building.

Photograph 4. Interior of study site.

Photograph 5. Floor drain located in the on-site utility room.

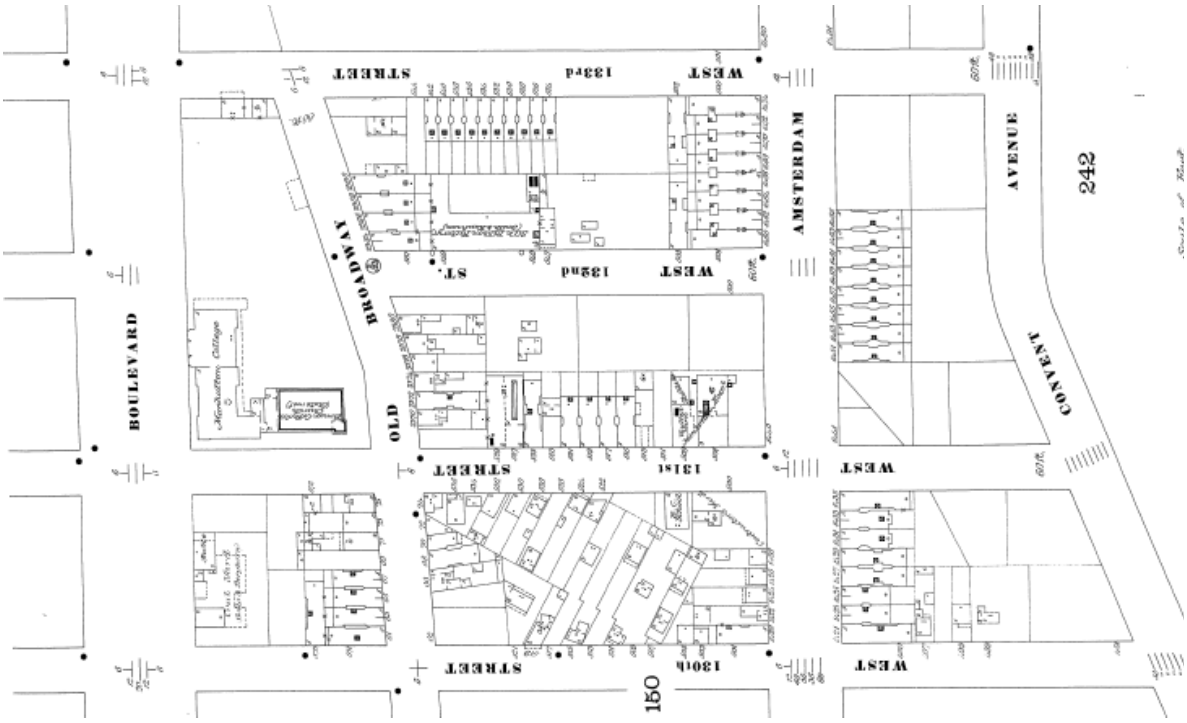
Photograph 6. Manway located in the warehouse floor.

Photograph 7. 1381 Amsterdam Avenue, south of the study site across West 129th Street.

Photograph 8. Roof of study site building.

APPENDIX B

HISTORICAL SANBORN MAPS



MAP OF STUDY SITE NOT AVAILABLE

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495 West 129th Street
NEW YORK, NEW YORK

1893 SANBORN MAP

AKRF
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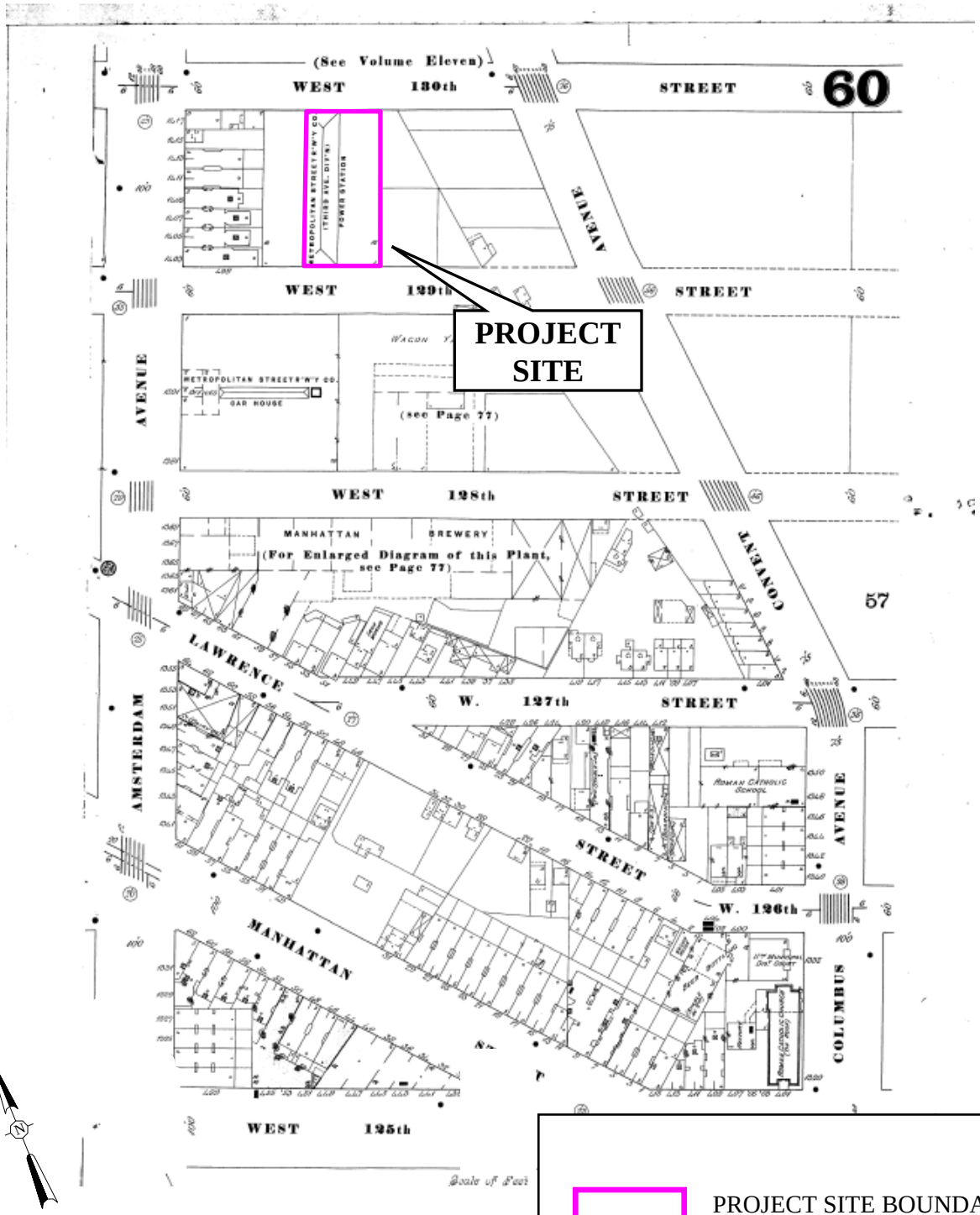
440 Park Avenue South, New York, New York 10016

DATE **11.14.07**
SCALE. **NOT TO SCALE**
PROJECT No. **10825**
FIGURE



PROJECT SITE BOUNDARY

495 West 129th Street
NEW YORK, NEW YORK

1902 SANBORN MAP

AKRF
Environmental Consultants
440 Park Avenue South, New York, New York 10016

DATE **11.14.07**
SCALE. **NOT TO SCALE**
PROJECT No. **10825**
FIGURE

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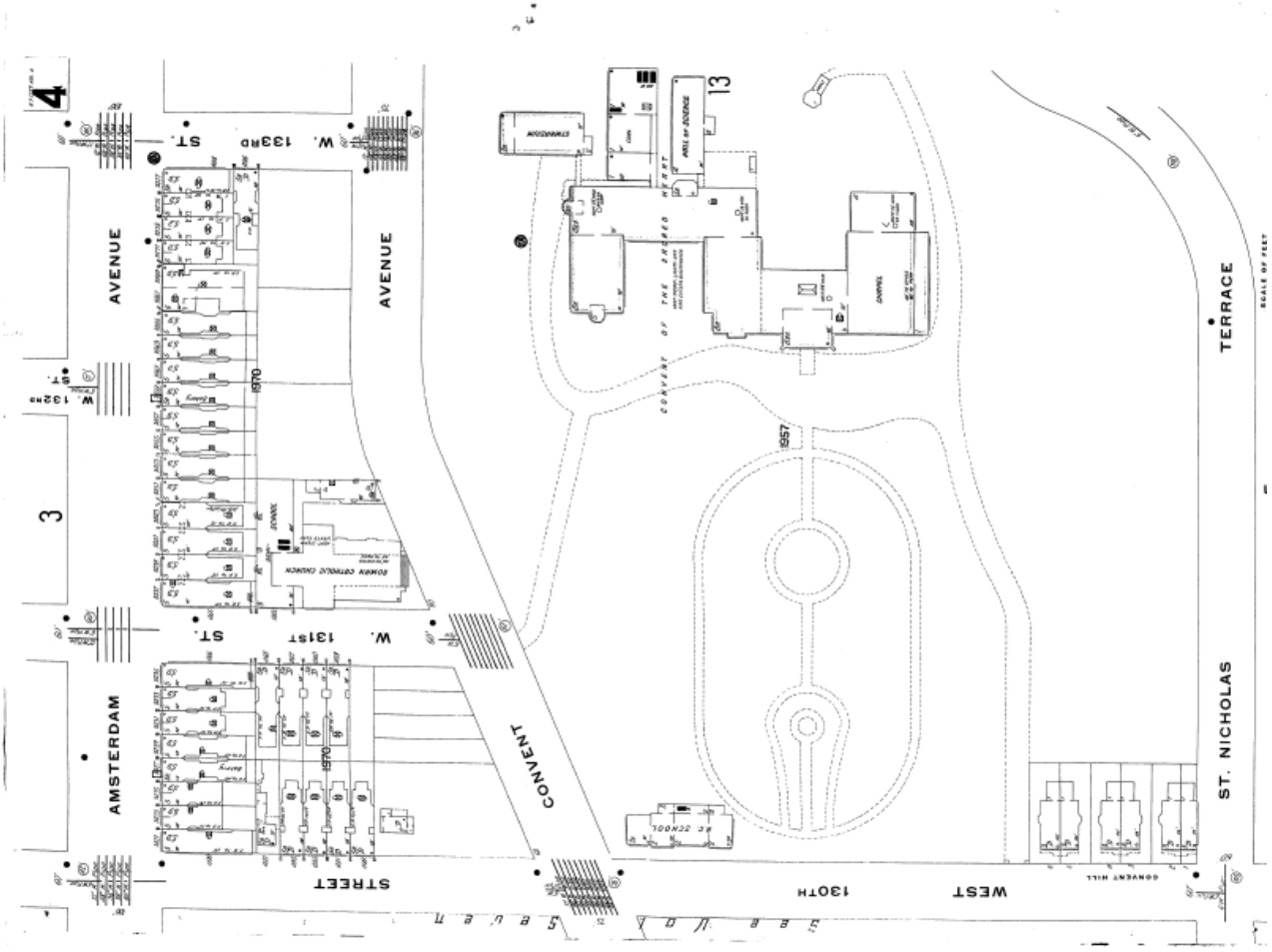

MAP OF STUDY SITE NOT AVAILABLE

495 West 129th Street
NEW YORK, NEW YORK

1909 SANBORN MAP

AKRF
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440 Park Avenue South, New York, New York 10016

DATE **11.14.07**
SCALE. **NOT TO SCALE**
PROJECT No. **10825**
FIGURE

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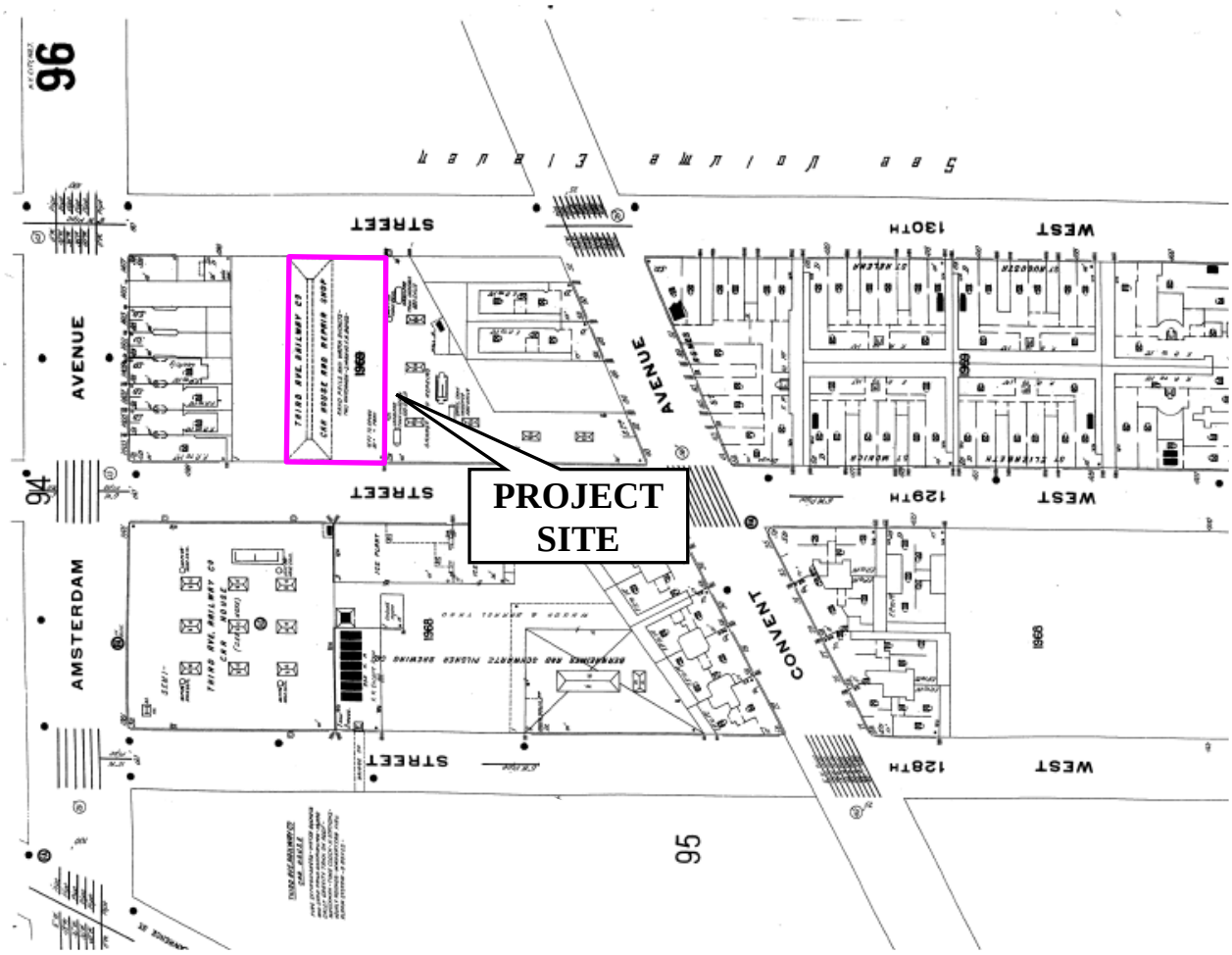

PROJECT SITE BOUNDARY

495 West 129th Street
NEW YORK, NEW YORK

1912 SANBORN MAP

AKRF
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440 Park Avenue South, New York, New York 10016

DATE **11.14.07**
SCALE. **NOT TO SCALE**
PROJECT No. **10825**
FIGURE

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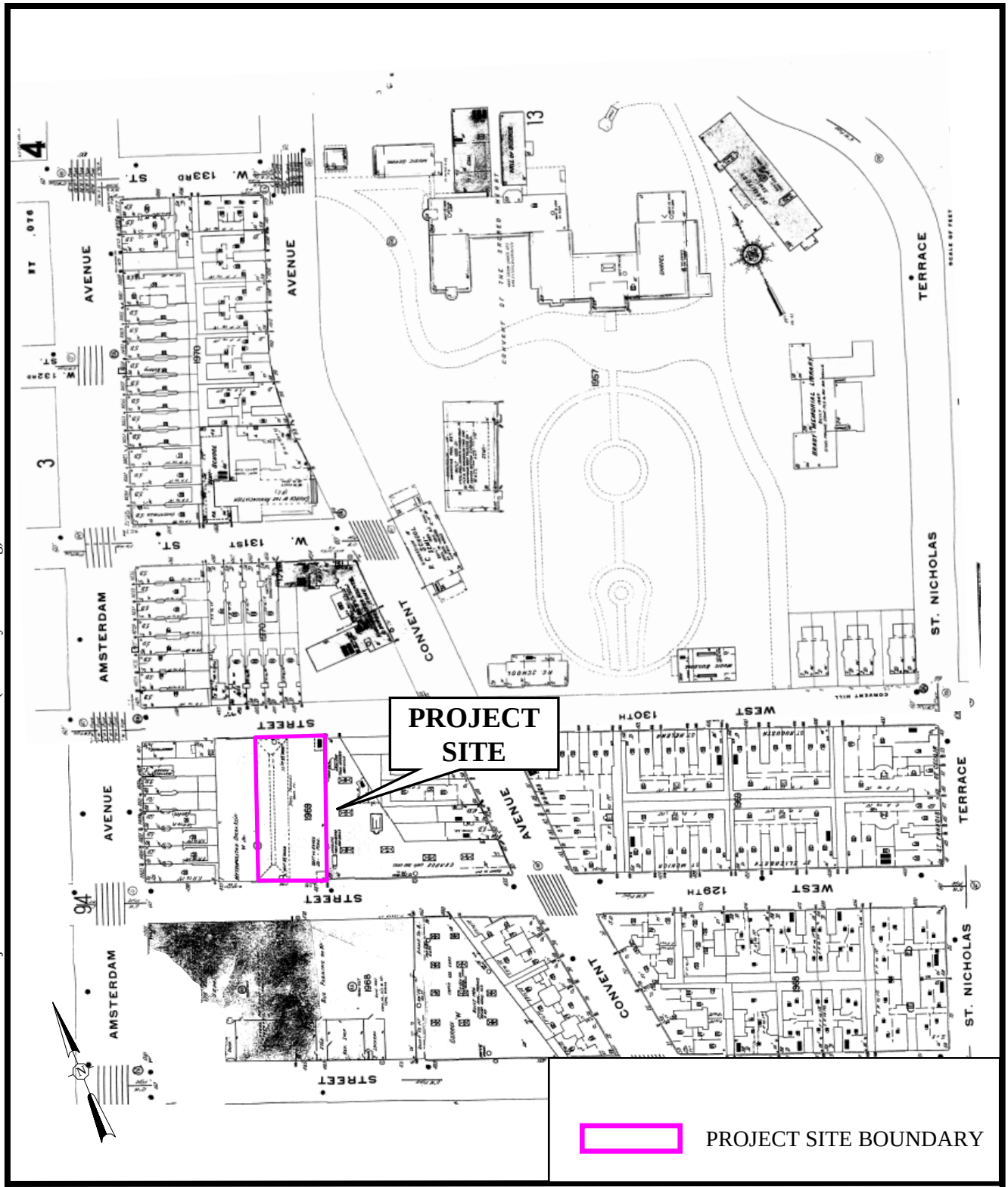

495 West 129th Street
NEW YORK, NEW YORK

1951 SANBORN MAP

AKRF
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440 Park Avenue South, New York, New York 10016

DATE **11.14.07**
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PROJECT No. **10825**
FIGURE

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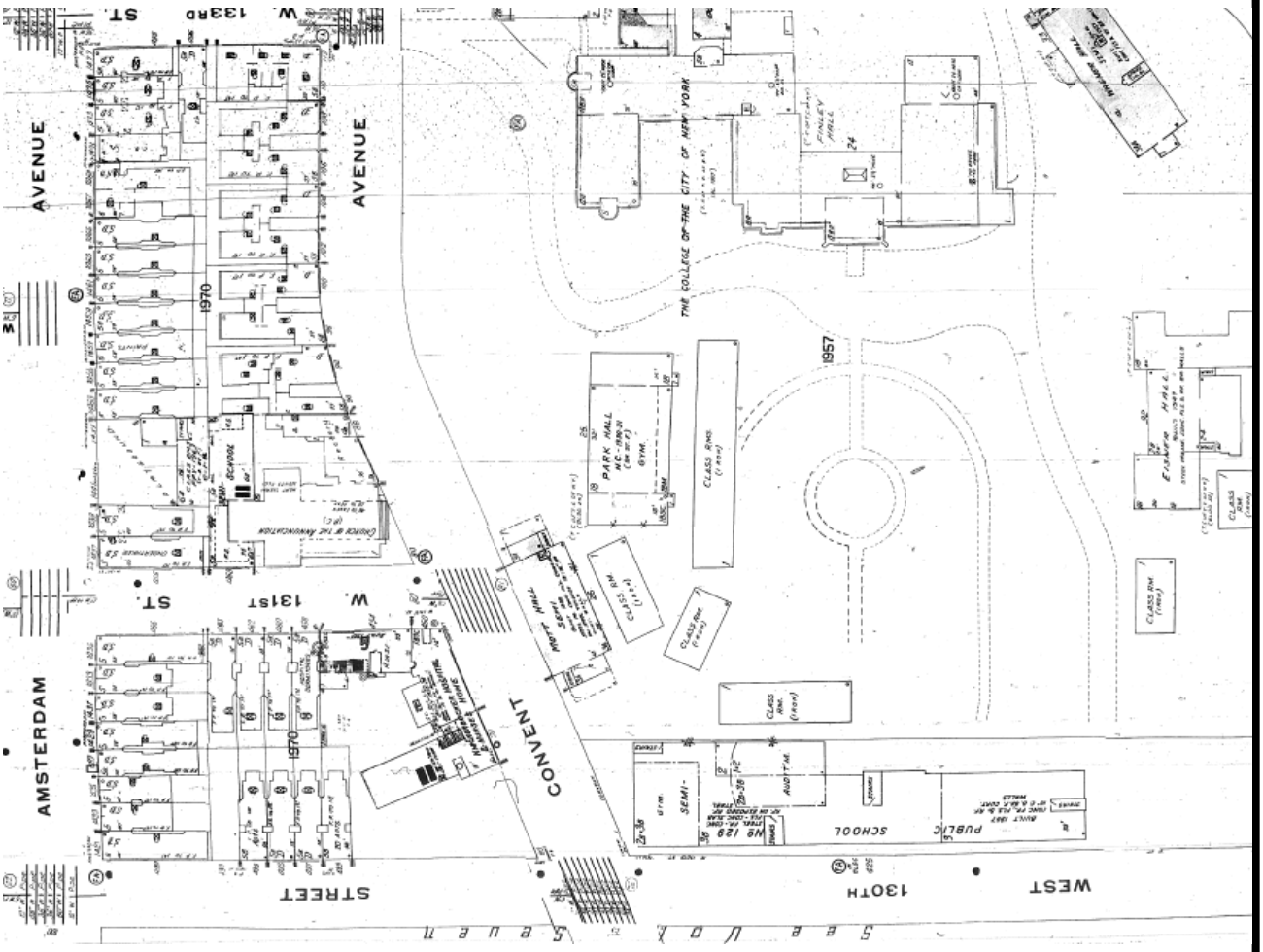

MAP OF STUDY SITE NOT AVAILABLE

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495 West 129th Street
NEW YORK, NEW YORK

1969 SANBORN MAP

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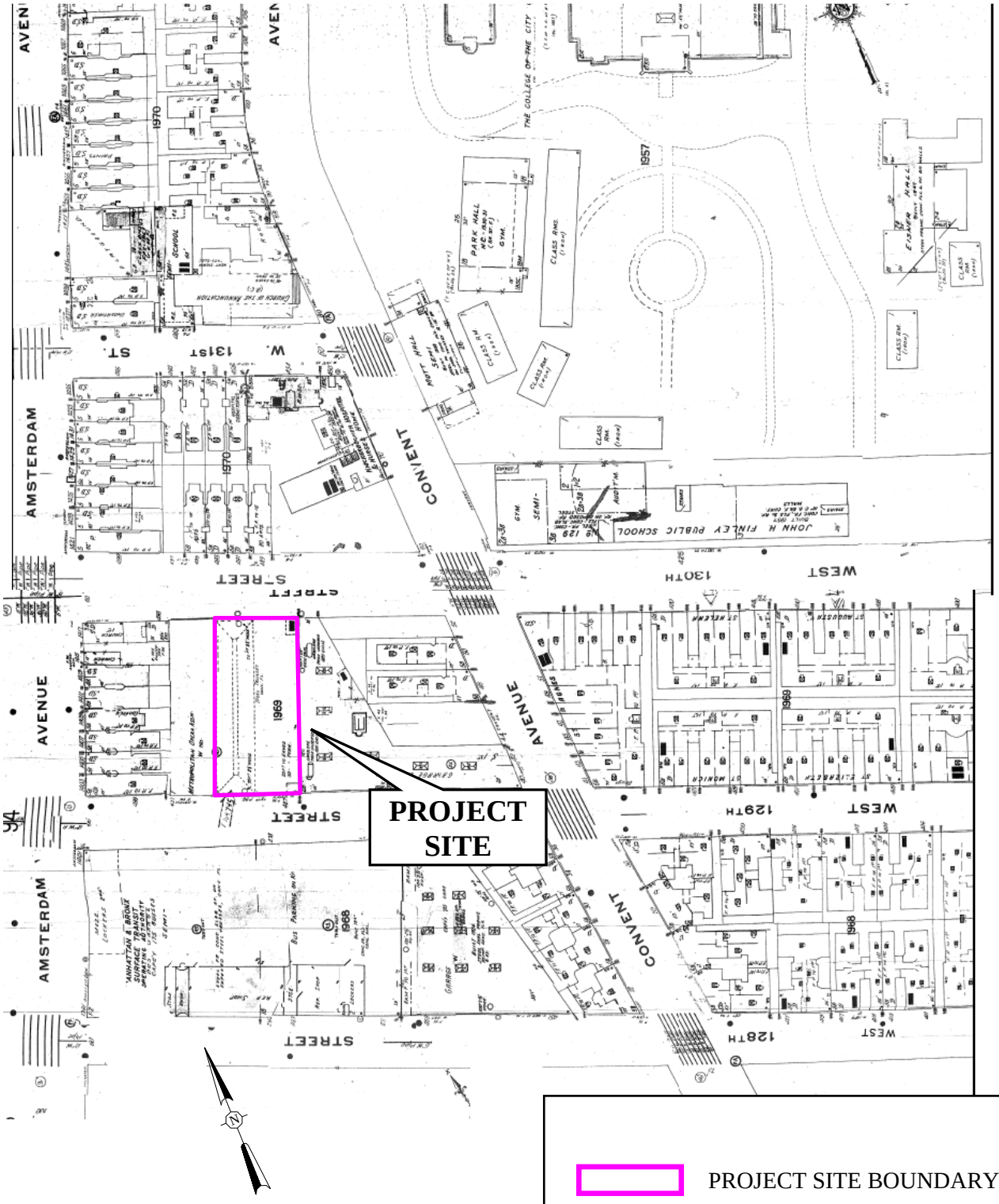
DATE **11.14.07**
SCALE. **NOT TO SCALE**
PROJECT No. **10825**
FIGURE



495 West 129th Street
NEW YORK, NEW YORK

1976 SANBORN MAP

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440 Park Avenue South, New York, New York 10016

DATE **11.14.07**
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FIGURE

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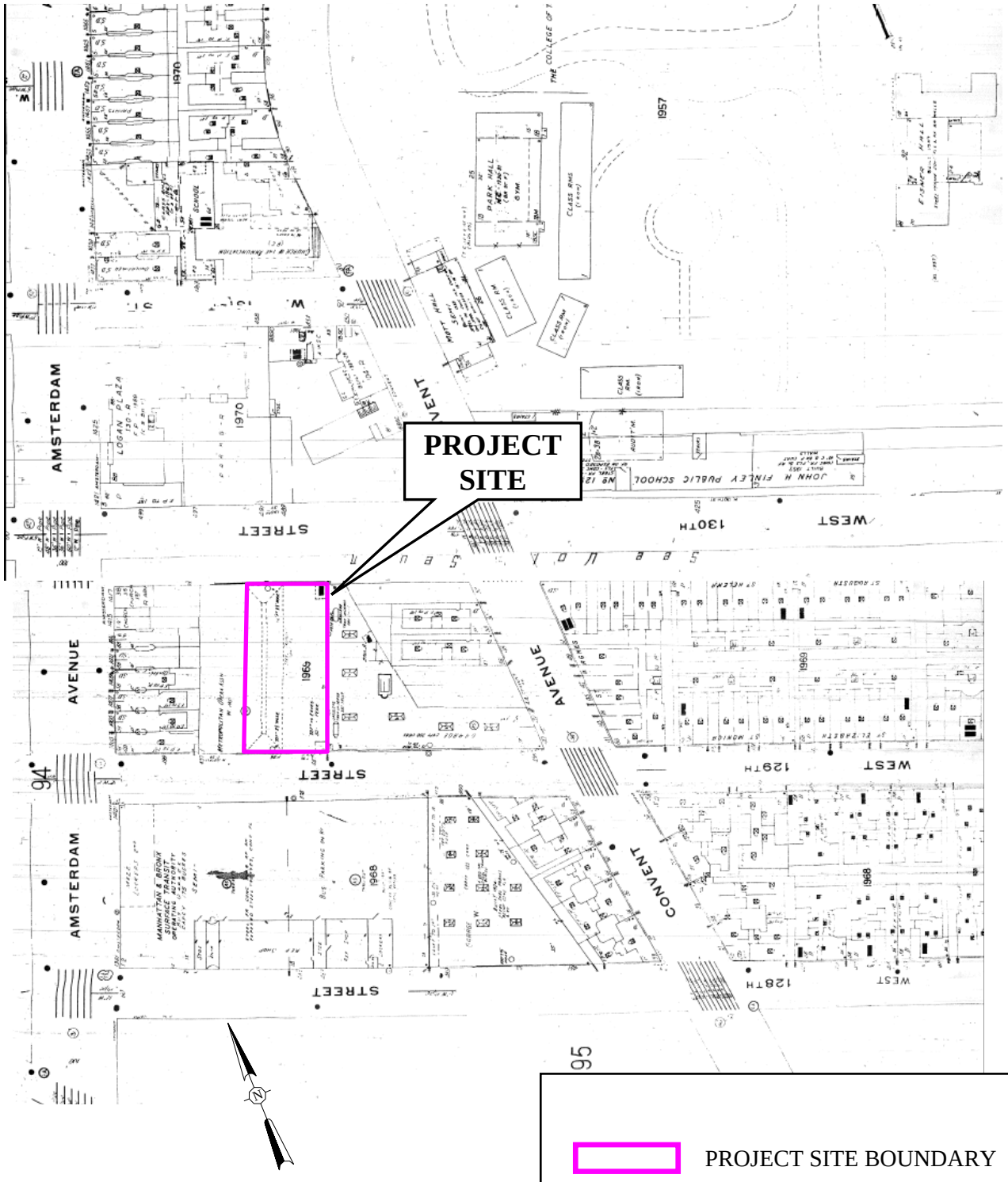

495 West 129th Street
NEW YORK, NEW YORK

1989 SANBORN MAP

AKRF
Environmental Consultants
440 Park Avenue South, New York, New York 10016

DATE **11.14.07**
SCALE. **NOT TO SCALE**
PROJECT No. **10825**
FIGURE

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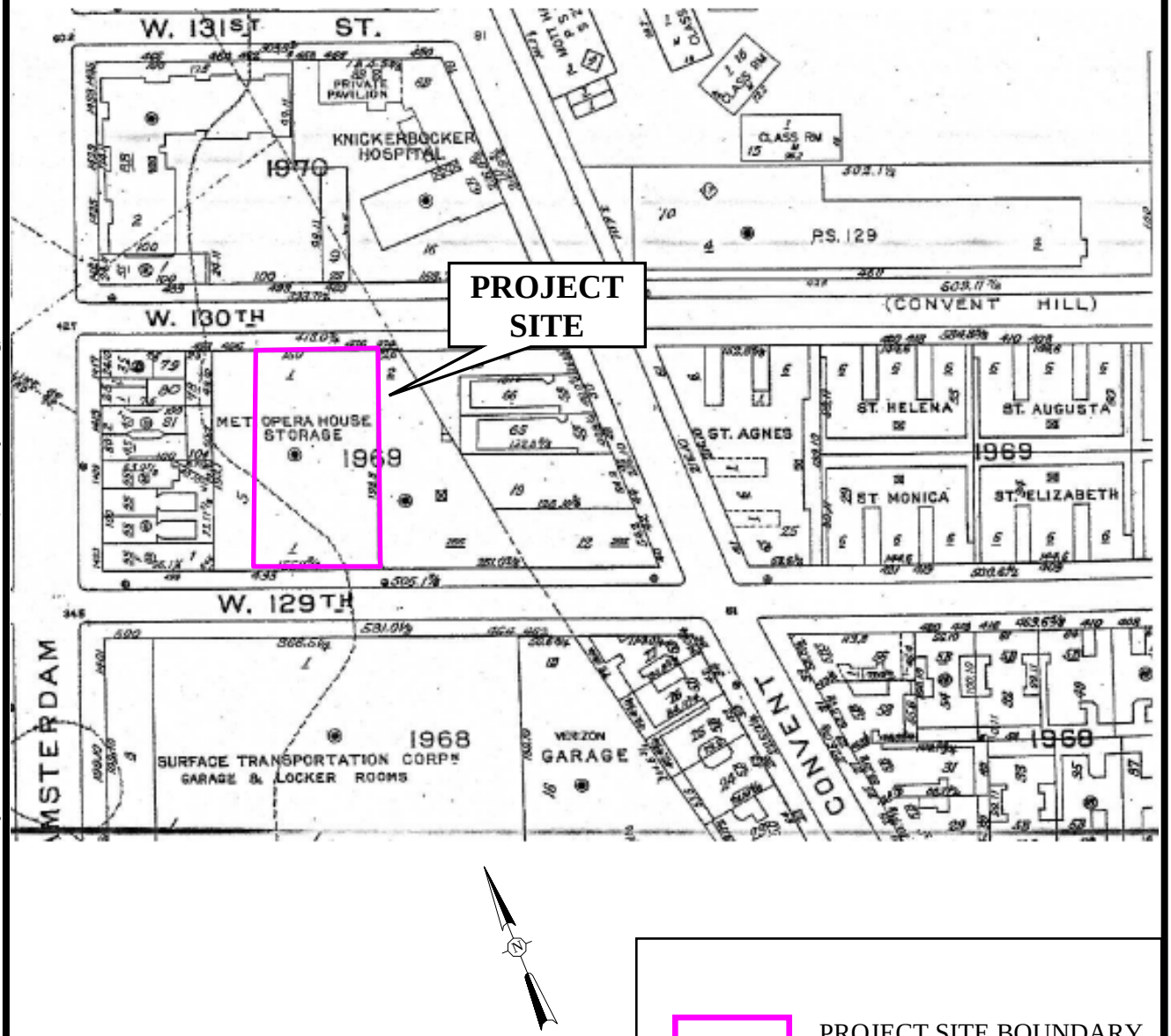

PROJECT SITE BOUNDARY

495 West 129th Street
NEW YORK, NEW YORK

2006 SANBORN MAP

AKRF
Environmental Consultants
440 Park Avenue South, New York, New York 10016

DATE **11.14.07**
SCALE. **NOT TO SCALE**
PROJECT No. **10825**
FIGURE

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APPENDIX C

REGULATORY RECORDS REVIEW

Toxics Targeting Environmental Report

---

487 West 129th Street
New York, NY 10027

November 01, 2007

LIMITED WARRANTY AND DISCLAIMER OF LIABILITY

Who is Covered

This limited warranty is extended by Toxics Targeting, Inc. only to the original purchaser of the accompanying Environmental Report ("Report"). It may not be assigned to any other person.

What is Warranted

Toxics Targeting, Inc. warrants that it uses reasonable care to accurately transcribe the information contained in this Report from the sources from which it is obtained. This limited warranty is in lieu of all other express warranties which might otherwise arise with respect to the Report. No one is authorized to change or add to this limited warranty.

What We Will Do

If during the warranty period there is shown to be a material error in the transcription of the information contained in this Report from the sources from which it was obtained, Toxics Targeting, Inc. shall refund to the original purchaser the full purchase price paid for the Report. The remedy stated above is the exclusive remedy extended to the Purchaser by Toxics Targeting, Inc. for any failure of the Report to conform with this Warranty, or otherwise for breach of this Warranty or any other warranty, whether expressed or implied.

What We Won't Cover

Toxics Targeting, Inc. has not and can not verify the accuracy, correctness or completion of the information contained in this Report. Information is obtained from government agencies, site owners, and other sources, and errors are common in such information. Because Toxics Targeting, Inc. can not control the accuracy of the information contained in this Report, or the uses which may be made of the information, TOXICS TARGETING, INC. DISCLAIMS LIABILITY TO ANYONE FOR ANY EVENTS ARISING OUT OF THE USE OF THE INFORMATION. TOXICS TARGETING, INC. SHALL NOT BE LIABLE FOR ANY DAMAGE CAUSED BY THIS REPORT, WHETHER DIRECT OR INDIRECT, AND WHETHER OR NOT TOXICS TARGETING, INC. HAS BEEN ADVISED OF OR HAS KNOWLEDGE OF THE POSSIBILITY OF SUCH DAMAGES. TOXICS TARGETING, INC. EXPRESSLY DISCLAIMS ANY AND ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion or limitation may not apply to you.

Period of Warranty

The period of warranty coverage is ninety days from the date of purchase of this Report. There shall be no warranty after the period of coverage. ANY AND ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR PARTICULAR USE SHALL HAVE NO GREATER DURATION THAN THE PERIOD OF WARRANTY STATED HERE, AND SHALL TERMINATE AUTOMATICALLY UPON THE EXPIRATION OF SUCH PERIOD. Some jurisdictions do not allow limitations on how long an implied warranty lasts, so the above exclusion or limitation may not apply to you.

PLEASE REFER TO PAGES ONE AND FOUR FOR A DESCRIPTION OF SOME OF THE LIMITATIONS OF THIS ENVIRONMENTAL REPORT.

Table of Contents

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Introduction

Toxics Targeting has combined environmental database searches, extensive regulatory analysis and sophisticated mapping techniques to produce your *Environmental Report.* It checks for the presence of 25 categories of government-reported toxic sites and provides detailed, up-to-date information on each identified site. The findings of your report are presented in an easy-to-understand format that:

1. ***Maps*** the approximate locations of selected government-reported toxic sites identified on or near a specified target address.

2. ***Estimates*** the distance and direction between the target address and each identified toxic site.

3. ***Reports*** air and water permit non-compliance and other regulatory violations.

4. ***Profiles*** some aspects of the usage, manufacture, storage, handling, transport or disposal of toxic chemicals at individual sites.

5. ***Summarizes*** some potential health effect information and drinking water standards for selected chemicals reported at individual sites.

The Three Sections Of Your Report

The first section highlights your report's findings by summarizing identified sites according to: **a)** distance intervals, **b)** direction, **c)** proximity to the target address and **d)** individual site categories. In addition, the locations of all identified toxic sites are illustrated on individual maps for each radius search distance used in your report. A close-up map illustrates the locations of all identified toxic sites, at the shortest radius search distance used in your report. Finally, a map of tax parcels and a table of selected information about those parcels are included.

The second section of your report contains *Toxic Site Profiles* that provide detailed information on each identified toxic site. The information in each *Toxic Site Profile* varies according to its source. Some toxic site categories have extensive information and some have limited information. All the information is updated on a regular basis.

The third section of the report contains appendices that identify: **1)** on-site spills reported to the national Emergency Response Notification System (ERNS), **2)** various toxic sites that cannot be mapped due to incomplete or erroneous addresses or other mapping problems, **3)** codes that characterize hazardous wastes reported at various facilities, **4)** methods used to map toxic sites identified in your report and **5)** information sources used in your report.

How to Use Your Report

- Check Table One to see the number of identified sites by distance intervals.

- Check Table Two to see identified sites sorted by direction.

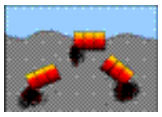
- Check Table Three to see identified sites ranked by proximity to the target address.

- Check Table Four to see identified sites sorted by site categories.

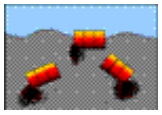
- Use Table Five to get info for the subject parcel and every parcel found on the Tax Parcel Map
- Refer to the various maps to see the locations of identified toxic sites. Refer to the *Toxic Site Profile* and *Appendix* sections for additional information.

Toxic Site Databases Analyzed In Your Report

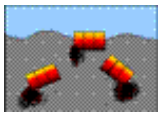
Search Radius

One-Mile 

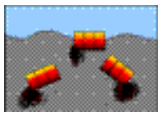
1) ***National Priority List for Federal Superfund Cleanup****:* a listing of sites known to pose environmental or health hazards that are being investigated or cleaned up under the Federal Superfund program.

Half-Mile 

2) ***Delisted National Priority List Sites****:* a listing of NPL sites that have been removed from the National Priority List.

One-Mile 

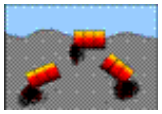
3) ***New York Inactive Hazardous Waste Disposal Site Registry****:* a state listing of sites that can pose environmental or public health hazards requiring investigation or clean up.

One-Mile 

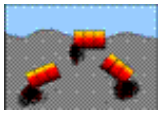
4) ***New York Inactive Hazardous Waste Disposal Site Registry Qualifying****:* a state listing of sites that qualify for possible inclusion to the NYDEC Inactive Haz. Waste Disposal Site Registry.

One-Mile 

5) ***RCRA Corrective Action Activity (CORRACTS):*** waste facilities with RCRA corrective action activity reported by the USEPA.

Half-Mile 

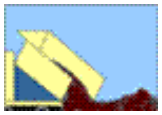
6) ***CERCLIS*** (Comprehensive Environmental Response, Compensation and Liability Information System): a federal listing of Non-NFRAP sites that can pose environmental or public health hazards requiring investigation or clean up.

Half-Mile 

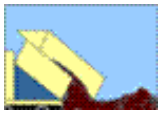
7) ***CERCLIS NFRAP:*** a federal listing of CERCLIS sites that have no further remedial action planned.

Half-Mile 

8) ***New York State Brownfield Cleanup Sites****:* a listing of sites that are abandoned, idled or under-used industrial and commercial sites where expansion or redevelopment is complicated by real or perceived environmental contamination.

Half-Mile 

9) ***New York Solid Waste Facilities Registry****:* active and inactive landfills, incinerators, transfer stations or other solid waste management facilities.

Half-Mile 

10) ***New York City 1934 Solid Waste Sites****:* a listing of solid waste disposal sites operated by New York City municipal authorities circa 1934.

Half-Mile 

11) ***New York and Federal Hazardous Waste Treatment, Storage or Disposal Facilities****:* sites reported by the NYS manifest system and the USEPA's Resource Conservation and Recovery Act Information System (RCRIS). Also includes the following database:

- ***RCRA violations:*** waste facilities with violations reported by the USEPA pursuant to the Resource Conservation and Recovery Act.

Half-Mile 

12) ***Toxic Spills: active and inactive or closed*** spills reported to state environmental authorities, including *remediated* and *unremediated* leaking underground storage tanks. This database includes the following categories:

- Tank Failures
- Tank Test Failures
- Unknown Spill Cause or Other Spill Causes
- Miscellaneous Spill Causes

Eighth-Mile 

13) ***New York State Major Oil Storage Facilities****:* sites with more than a 400,000 gallon capacity for storing petroleum products.

Eighth-Mile 

14) ***New York State Petroleum Bulk Storage Facilities****:* sites with more than an 1,100 gallon capacity for storing petroleum products.

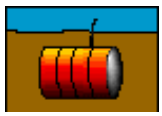
Eighth-Mile 

15) ***New York City Fire Dept Tank Data****:* tank data from 1997.

Eighth-Mile 

16) ***New York and Federal Hazardous Waste Generators and Transporters****:* sites reported by the NYS manifest system and the USEPA's Resource Conservation and Recovery Act Information System (RCRA). Also includes the following database:

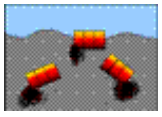
- ***RCRA violations:*** waste facilities with violations reported by the USEPA pursuant to the Resource Conservation and Recovery Act.

Eighth-Mile 

17) ***New York Chemical Bulk Storage Facilities****:* sites storing hazardous substances listed in 6 NYCRR Part 597 in aboveground tanks with capacities of 185 gallons or more and/or underground tanks of any size

Eighth-Mile 

18) ***Historic New York City Utility Sites (1890's to 1940's)****:* power generating stations, manufactured gas plants, gas storage facilities, maintenance yards and other gas and electric utility sites.

Half-Mile 

19) ***New York Hazardous Substance Disposal Site Draft Study****:* a state listing of sites contaminated with toxic substances that can pose environmental or public health hazards. These sites were not eligible for state clean up funding programs.

Eighth-Mile 

20) ***Federal Toxic Release Inventory Facilities****:* discharges of selected toxic chemicals to air, land, water or treatment facilities.

Eighth-Mile 

21) ***Federal Air Discharges****:* air pollution point sources monitored by U.S. EPA and/or state and local air regulatory agencies.

Eighth-Mile 

22) ***Federal Permit Compliance System Toxic Wastewater Discharges:*** permitted toxic wastewater discharges.

Eighth-Mile 

23) ***Federal Civil and Administrative Enforcement Docket****:* judiciary cases filed on behalf of the U. S. Environmental Protection Agency by the Department of Justice.

On-site only (250 ft) 

24) ***New York City Environmental Quality Review (CEQR) – E Designation Sites****:* parcels assigned a special environmental ("E") designation under the CEQR process. E designation requires specific protocols that must be followed.

Property only 

25) ***ERNS: Federal Emergency Response Notification System Spills****:* a listing of federally reported spills.

Limitations Of The Information In Your Report

The information presented in your *Environmental Report* has been obtained from various local, state and federal government agencies. Please be aware that: **1)** additional information on individual sites may be available, **2)** newly discovered sites are continually reported and **3)** all map locations are approximate. As a result, this report is intended to be the FIRST STEP in the process of identifying and evaluating possible environmental threats to specific properties and can only serve as a guide for conducting on-site visits or additional, more detailed toxic hazard research.

Toxics Targeting tries to ensure that the information in your report is presented accurately and with minimal alteration. The only systematic changes that are made correct obvious address errors in order to allow sites to be mapped. Any address changes that are made are noted in the map information section at the top of each corresponding *Toxic Site Profile*. Since the information presented in your report is not edited, please be aware that it can contain reporting errors or typographical mistakes made by the site owners/operators or government agencies that produced the information. Please be aware of some other limitations of the information in your report:

- The map used by *Toxics Targeting* is the same one used by the U. S. Census. While the map is generally accurate, no map is perfect. In addition, *Toxics Targeting's* mapping methods estimate where toxic site addresses are located if the address is not specifically designated on the Census map. FOR THESE REASONS, ALL MAP LOCATIONS OF ADDRESSES AND REPORTED TOXIC SITES SHOULD BE CONSIDERED APPROXIMATE AND SHOULD BE VERIFIED BY ON-SITE VISITS;

- UNDISCOVERED, UNREPORTED OR UNMAPPABLE TOXIC SITES MIGHT NOT BE IDENTIFIED BY THIS REPORT'S CHECK OF 25 TOXIC SITE CATEGORIES. TOXIC SITES REPORTED IN OTHER GOVERNMENT DATABASES MIGHT ALSO EXIST. FOR THESE REASONS, YOUR REPORT MIGHT NOT IDENTIFY ALL THE TOXIC SITES THAT EXIST IN THE AREA IT SEARCHES;

- The appendix of your report contains a listing of sites that could not be mapped due to incomplete or erroneous address information or other mapping problems. This listing includes unmappable toxic sites in zip code areas within one mile of the target address as well as toxic sites without zip codes reported in the same county. IF YOU WOULD LIKE INFORMATION ON ANY OF THE LISTED SITES, PLEASE CONTACT *TOXICS TARGETING AND REFER TO THE SITE ID NUMBER.*

- Some toxic sites identified in your report may be classified as **known hazards**. Most of the toxic sites identified in your report involve **potential hazards** related to the on-site use, manufacture, handling, storage, transport or disposal of toxic chemicals. Some of the toxic sites identified in your report may be the addresses of parties responsible for toxic sites located elsewhere. YOU SHOULD ONLY CONCLUDE THAT TOXIC HAZARDS ACTUALLY EXIST AT A SPECIFIC SITE WHEN GOVERNMENT AUTHORITIES MAKE THAT DETERMINATION OR WHEN THAT CONCLUSION IS FULLY DOCUMENTED BY THE FINDINGS OF AN APPROPRIATE SITE INVESTIGATION UNDERTAKEN BY LICENSED PROFESSIONALS;

- Compass directions and distances are approximate. Compass directions are calculated from the subject property address to the mapped location of each identified toxic site. The compass direction does not necessarily refer to the closest property boundary of an identified toxic site. The compass direction also can vary substantially for toxic sites that are located very close to the subject property address.

- The information presented in your report is a summary of the information that *Toxics Targeting* obtains from government agencies on reported toxic sites. YOU MAY BE ABLE TO OBTAIN ADDITIONAL INFORMATION ABOUT REPORTED SITES WITH THE FREEDOM OF INFORMATION REQUEST FORM LETTERS THAT ARE PROVIDED ON THE INSIDE OF THE BACK COVER.

Section One:

Report Summary

- *Table One: Number of Identified Toxic Sites By Distance Interval*
- *Table Two: Identified Toxic Sites By Direction*
- *Table Three: Identified Toxic Sites Ranked By Proximity*
- *Table Four: Identified Toxic Sites By Category*
- *Map One: One-Mile Radius Map*
- *Map Two: Half-Mile Radius Map*
- *Map Three: Eighth-Mile Radius Map*
- *Map Four: Eighth-Mile Radius Close up Map*
- *Map Five: Tax Parcel Map*
- *Table Five: Tax Parcel Map Information Table*

NUMBER OF IDENTIFIED SITES BY DISTANCE INTERVAL

Database Searched	0 - 100 ft	100 ft - 1/8 mi	1/8 mi - 1/4 mi	1/4 mi - 1/2 mi	1/2 mi - 1 mi	Site Category Totals
ASTM-Required 1 Mile Search						
National Priority List (NPL) Sites	0	0	0	0	0	0
NYS Inactive Hazardous Waste Disposal Site Registry	0	0	0	0	1	1
NYS Inactive Haz Waste Disposal Site Registry Qualifying	0	0	0	0	0	0
RCRA Corrective Action (CORRACTS) Sites	0	0	0	1	0	1
ASTM-Required 1/2 Mile Search						
Delisted National Priority List (NPL) Sites	0	0	0	0	Not searched	0
CERCLIS Superfund Non-NFRAP Sites	0	0	0	0	Not searched	0
CERCLIS Superfund NFRAP Sites	0	0	0	0	Not searched	0
Brownfields Sites						
Voluntary Cleanup Program	0	0	0	1	Not searched	1
Environmental Restoration Program	0	0	0	0	Not searched	0
Brownfield Cleanup Program	0	0	0	0	Not searched	0
NYSDEC Solid Waste Facilities / Landfills	0	0	0	0	Not searched	0
RCRA Hazardous Waste Treatment, Storage, Disposal Sites	0	0	0	1	Not searched	1
NYS Toxic Spills						
Active Tank Failures	0	0	3	4	Not searched	7
Active Tank Test Failures	0	0	2	2	Not searched	4
Active Spills - Unknown / Other Causes	0	1	4	18	Not searched	23
Active Spills - Miscellaneous Causes	0	1	3(1)	4(9)	Not searched	8(10)
Closed Tank Failures	0	0	3	9	Not searched	12
Closed Tank Test Failures	0	1	10	11	Not searched	22
Closed Spills - Unknown / Other Causes	0	5	23	70	Not searched	98
Closed Spills - Miscellaneous Causes	0	14	6(21)	11(92)	Not searched	31(113)
ASTM-Required Property & Adjacent Property (1/8 Mile Search)						
NYS Major Oil Storage Facilities	0	0	Not searched	Not searched	Not searched	0
Local & State Petroleum Bulk Storage Sites	0	22	Not searched	Not searched	Not searched	22
RCRA Hazardous Waste Generators & Transporters	0	12	Not searched	Not searched	Not searched	12
NYS Chemical Bulk Storage Sites	0	1	Not searched	Not searched	Not searched	1
Historic Utility Facilities	0	0	Not searched	Not searched	Not searched	0
ASTM-Required On-Site Only Search						
NYC Environmental Quality Review Requirements ("E") Sites*	0	0	Not searched	Not searched	Not searched	0
Emergency Response Notification System (ERNS)	0	Not searched	Not searched	Not searched	Not searched	0
Institutional Controls / Engineering Controls (IC/EC)	See databases for NPL, CERCLIS, Inactive Hazardous Waste Disposal Site Registry and Brownfield Sites.					
ASTM-Required Databases Distance Interval Totals	**0**	**57**	**54(22)**	**132(101)**	**1**	**244(123)**

Numbers in ( ) indicate spills not mapped and profiled in this report, and are listed at the end of the active and closed spills sections. See these lists for a description of the parameters involved with identifying these spills.

* NYC Environmental Quality Review Requirements ("E") Sites were searched at 250 feet.

NOTE: Table continues on next page.

Non-ASTM Databases 1/2 Mile Search						
1934 NYC Municipal Waste Landfills	0	0	0	0	Not searched	0
Hazardous Substance Waste Disposal Sites	0	0	0	0	Not searched	0
Non-ASTM Databases 1/8 Mile Search						
Toxic Release Inventory Sites (TRI)	0	1	Not searched	Not searched	Not searched	1
Permit Compliance System (PCS) Toxic Wastewater Discharges	0	0	Not searched	Not searched	Not searched	0
Air Discharges	0	1	Not searched	Not searched	Not searched	1
Civil & Administrative Enforcement Docket Facilities	0	0	Not searched	Not searched	Not searched	0
Non-ASTM Databases Distance Interval Totals	**0**	**2**	**0**	**0**	**Not Searched**	**2**
Distance Interval Totals	***0***	***59***	***54(22)***	***132(101)***	***1***	***246(123)***

Numbers in ( ) indicate spills not mapped and profiled in this report, and are listed at the end of the active and closed spills sections. See these lists for a description of the parameters involved with identifying these spills.

Identified Toxic Sites by Direction

487 West 129th Street
New York, NY 10027

* Compass directions can vary substantially for sites located very close to the subject property address.

Sites less than 100 feet from subject property sorted by distance

No sites found less than 100 feet from subject property

Sites between 100 ft and 400 ft from the subject property sorted by direction and distance

Map Id#	Site Name	Site Street	Approximate Distance & Direction From Property	Toxic Site Category
81	W 130 ST BETWEEN	CONVENT AV & AMSTERDAM AV	121 feet to the NNE*	Closed Status Spill (Unk/Other Cause)
213	ST PHILIPS ON CONVENT	450 W 131 ST	268 feet to the NE	Petroleum Bulk Storage Site
235	NYC CITY COLLEGE	COVENANT AVE & 130TH ST	308 feet to the E	Hazardous Waste Generator/Transporter
211	48 CONVENT AVE.	48 CONVENT AVE.	213 feet to the ESE	Petroleum Bulk Storage Site
214	CONVENT AVENUE FAMILY LIVING CENTER	456 WEST 129TH STREET	349 feet to the SSE	Petroleum Bulk Storage Site
186	462 WEST 129TH STREET	462 WEST 129TH STREET	378 feet to the SSE	Closed Status Spill (Misc. Spill Cause)
215	VERIZON NEW YORK, INC.	460 WEST 129TH STREET	378 feet to the SSE	Petroleum Bulk Storage Site
59	AMSTERDAM DEPOT	1381 AMSTERDAM AVENUE	240 feet to the SSW	Closed Status Tank Test Failure
82	AMSTERDAM DEPOT	1381 AMSTERDAM AVENUE	240 feet to the SSW	Closed Status Spill (Unk/Other Cause)
179	AMSTERDAM BUS DEPOT	1381 AMSTERDAM AV	240 feet to the SSW	Closed Status Spill (Misc. Spill Cause)
180	AMSTERDAM BUS DEPOT - NYCT	1381 AMSTERDAM AVENUE	240 feet to the SSW	Closed Status Spill (Misc. Spill Cause)
181	AMSTERDAM BUS DEPOT - NYCT	1381 AMSTERDAM AVENUE	240 feet to the SSW	Closed Status Spill (Misc. Spill Cause)
182	AMSTERDAM BUS DEPOT - NYCT	1381 AMSTERDAM AVENUE	240 feet to the SSW	Closed Status Spill (Misc. Spill Cause)
183	AMSTERDAM BUS DEPOT	1381 AMSTERDAM AVE	240 feet to the SSW	Closed Status Spill (Misc. Spill Cause)
184	AMSTERDAM DEPOT	1381 AMSTERDAM AV	240 feet to the SSW	Closed Status Spill (Misc. Spill Cause)
212	AMSTERDAM BUS DEPOT	1381 AMSTERDAM AVENUE	240 feet to the SSW	Petroleum Bulk Storage Site
244	AMSTERDAM BUS DEPOT	1381 AMSTERDAM AVENUE	257 feet to the SSW	Chemical Bulk Storage Facility
245	AMSTERDAM BUS DEPOT	1381 AMSTERDAM AVE.	257 feet to the SSW	Toxic Release Inventory Site
246	NYCTA - AMSTERDAM BUS DEPOT	1381 AMSTERDAM AVENUE	257 feet to the SSW	Air Discharge Site
234	NYCTA	1381 AMSTERDAM AVE	299 feet to the SSW	Hazardous Waste Generator/Transporter
210	1405 AMSTERDAM AVENUE	1405 AMSTERDAM AVENUE	135 feet to the W*	Petroleum Bulk Storage Site
83	IN A PIT	AMSTERDAM AVE & W129TH ST	255 feet to the W	Closed Status Spill (Unk/Other Cause)
84	AMSTERDAM AVE/W 129TH ST	AMSTERDAM AVE W 129TH ST	255 feet to the W	Closed Status Spill (Unk/Other Cause)
185		AMSTERDAM AV/129TH ST	255 feet to the W	Closed Status Spill (Misc. Spill Cause)
233	NYC PARKS & RECREATION	129TH ST & AMSTERDAM AVE	255 feet to the W	Hazardous Waste Generator/Transporter
39	MANHOLE #24661	130TH ST & AMSTERDAM AVE	247 feet to the NNW	Active Haz Spill (Misc. Spill Cause)
232	CONSOLIDATED EDISON	MH24661-130TH & AMSTERDAM	247 feet to the NNW	Hazardous Waste Generator/Transporter

Sites equal to or greater than 400 ft from subject property sorted by direction and distance

Map Id#	Site Name	Site Street	Approximate Distance & Direction From Property	Toxic Site Category
6	APARTMENT	1484 AMSTERDAM AVE	1043 feet to the N	Active Tank Failure
70	NYC HOUSING COMPLEX	504 WEST 135TH ST	1410 feet to the N	Closed Status Tank Test Failure
73	HPD	527 W.134TH ST	1510 feet to the N	Closed Status Tank Test Failure
121	SOUTHWEST CORNER	135TH ST & BROADWAY	1819 feet to the N	Closed Status Spill (Unk/Other Cause)
45	BROADWAY/W. 136TH ST.	BROADWAY/W. 136TH ST	2047 feet to the N	Active Haz Spill (Misc. Spill Cause)
141	MANHOLE 3140	WEST 136TH ST & BROADWAY	2047 feet to the N	Closed Status Spill (Unk/Other Cause)
153	SPILL IS IN REGION 2	NOT IN REG 3	2267 feet to the N	Closed Status Spill (Unk/Other Cause)
154	137TH ST & BROADWAY/CONED	137TH ST AND BROADWAY	2267 feet to the N	Closed Status Spill (Unk/Other Cause)
155	137TH STREET AND BROADWAY	7TH AVENUE STOP / SUBWAY	2267 feet to the N	Closed Status Spill (Unk/Other Cause)
169	APT BLDG	35 HAMILTON PLACE	2490 feet to the N	Closed Status Spill (Unk/Other Cause)
220	BENJAMIN THURSTON	465 W 131 ST	443 feet to the NNE	Petroleum Bulk Storage Site
221	1437 AMSTERDAM AVE REALTY INC	405 WEST 131TH STREET	445 feet to the NNE	Petroleum Bulk Storage Site
222	CHURCH ANNUNCIATION	461 W 131 ST	469 feet to the NNE	Petroleum Bulk Storage Site
223	AUNNUNCIATION CHURCH	88 CONVENT AVE	469 feet to the NNE	Petroleum Bulk Storage Site
225	1439 AMSTERDAM AVENUE	1439 AMSTERDAM AVENUE	471 feet to the NNE	Petroleum Bulk Storage Site
229	CONVENT REALTY LLC	90 CONVENT AVENUE	574 feet to the NNE	Petroleum Bulk Storage Site
98	133RD ST & CONVENT AV	133RD ST & CONVENT AV	902 feet to the NNE	Closed Status Spill (Unk/Other Cause)
48	MANHATTANVILLE	W 133RD ST & AMSTERDAM AV	920 feet to the NNE	Closed Status Tank Failure
197	PS 161	499 W 133RD ST	1025 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
49	501 WEST 134TH ST	501 WEST 134TH ST	1261 feet to the NNE	Closed Status Tank Failure
111	MERCURY SPILL CITY OWNED SITE	150 CONVENT AVE	1374 feet to the NNE	Closed Status Spill (Unk/Other Cause)
10	PUBLIC SCHOOL 192	500 W 138TH ST	2062 feet to the NNE	Active Tank Failure
53	500 WEST 138TH ST/PS 192	500 WEST 138TH STREET	2062 feet to the NNE	Closed Status Tank Failure
144	PS #192	500 WEST 138TH ST	2062 feet to the NNE	Closed Status Spill (Unk/Other Cause)
145	PUBLIC SCHOOL 24	500 WEST 138TH ST	2062 feet to the NNE	Closed Status Spill (Unk/Other Cause)
78	CCNY BUILDING	152-236 CONVENT AVE	2198 feet to the NNE	Closed Status Tank Test Failure
152	138TH ST & AMSTERDAM AVE	138TH ST & AMSTERDAM AVE	2252 feet to the NNE	Closed Status Spill (Unk/Other Cause)
165	CARIB AUTO SHOP	1590 AMSTERDAM AVE	2442 feet to the NNE	Closed Status Spill (Unk/Other Cause)
166	IN FRONT OF	1592 AMSTERDAM AVE.	2442 feet to the NNE	Closed Status Spill (Unk/Other Cause)
178		515 WEST 139TH ST	2635 feet to the NNE	Closed Status Spill (Unk/Other Cause)
217	PUBLIC SCHOOL 223-MOTT HALL	131ST STREET &	418 feet to the NE	Petroleum Bulk Storage Site
12	CITY COLLEGE OF NY	W 135TH STREET &	917 feet to the NE	Active Tank Test Failure
99	CITY COLLEGE	141 CONVENT AVE	917 feet to the NE	Closed Status Spill (Unk/Other Cause)
43	DASNY	W.135TH ST & ST NICHOLAS	1568 feet to the NE	Active Haz Spill (Misc. Spill Cause)
52	UNIVERSITY, MARSHAK BUILDING	137TH STREET	2001 feet to the NE	Closed Status Tank Failure
37	207 CONVENT AVE	207 CONVENT AVE	2482 feet to the NE	Active Haz Spill (Unknown/Other Cause)
219	MOTT HALL SCHOOL,IS 223	75 CONVENT AVE	440 feet to the ENE	Petroleum Bulk Storage Site
243	CCNY - PARK GYMNASIUM	77 CONVENT AVE	614 feet to the ENE	Hazardous Waste Generator/Transporter
227	PUBLIC SCHOOL 129 - MANHATTAN	425 WEST 130TH STREET	546 feet to the E	Petroleum Bulk Storage Site
239	NYC BOARD OF EDUCATION - PS 129	425 W 130TH STREET	558 feet to the E	Hazardous Waste Generator/Transporter
25	APART	480 ST NICHOLOS AVE	1745 feet to the E	Active Haz Spill (Unknown/Other Cause)
137	269 W 133RD STREET	269 W. 133RD STREET	1918 feet to the E	Closed Status Spill (Unk/Other Cause)
158	222 W.134 ST. MANHATTAN/#	222 W. 134 ST.	2278 feet to the E	Closed Status Spill (Unk/Other Cause)

159	CHURCH	219 WEST 132ND STREET	2316 feet to the E	Closed Status Spill (Unk/Other Cause)
15	32ND PERC. NYPD	135TH ST HARLEM	2406 feet to the E	Active Tank Test Failure
164	32 PRECINCT NYPD -DDC	250 WEST 135TH STREET	2406 feet to the E	Closed Status Spill (Unk/Other Cause)
167	JUAN MARRERO	2248 7TH AVENUE	2471 feet to the E	Closed Status Spill (Unk/Other Cause)
209	238 WEST 136TH ST	238 WEST 136TH ST	2584 feet to the E	Closed Status Spill (Misc. Spill Cause)
176		224 W 135TH ST	2586 feet to the E	Closed Status Spill (Unk/Other Cause)
177	UNK	232 W. 136TH ST.	2625 feet to the E	Closed Status Spill (Unk/Other Cause)
1	2350 FIFTH AVE., NEW YORK (AKA, PS 141)	2350 FIFTH AVENUE	5251 feet to the E	NYSDEC Inactive Haz Waste Disposal Site
228	418 WEST 130TH LLC	418 WEST 130TH STREET	552 feet to the ESE	Petroleum Bulk Storage Site
17	408-410 WEST 130TH ST.	408-410 WEST 130TH ST.	692 feet to the ESE	Active Haz Spill (Unknown/Other Cause)
88	408 WEST 130TH STREET	408 WEST 130TH STREET	692 feet to the ESE	Closed Status Spill (Unk/Other Cause)
200	ADJACENT TO VAULT #9034	2437 8TH AVE	1430 feet to the ESE	Closed Status Spill (Misc. Spill Cause)
201	VAULT 9034	2437 8TH AVE	1430 feet to the ESE	Closed Status Spill (Misc. Spill Cause)
163	OPEN EXCAVATION	203 WEST 131ST ST	2343 feet to the ESE	Closed Status Spill (Unk/Other Cause)
172	TM #1893	WEST 131ST STREET AND 7TH	2513 feet to the ESE	Closed Status Spill (Unk/Other Cause)
236	NYNEX	129TH STREET AND CONVERT	419 feet to the SE	Hazardous Waste Generator/Transporter
218	THE ST. AGNES HOUSING DEVELOPMENT FUND	41 CONVENT AVENUE	437 feet to the SE	Petroleum Bulk Storage Site
226	33 CONVENT AVENUE HDFC	29-33 CONVENT AVENUE	538 feet to the SE	Petroleum Bulk Storage Site
230	129 STREET REALTY CORP.	419 WEST 129TH STREET	600 feet to the SE	Petroleum Bulk Storage Site
16	420-418 WEST 129TH ST.	420 WEST 129TH ST.	630 feet to the SE	Active Haz Spill (Unknown/Other Cause)
231	418 WEST 129 STREET	418 WEST 129TH STREET	630 feet to the SE	Petroleum Bulk Storage Site
89	419 WEST 128TH STREET	419 WEST 128TH STREET	732 feet to the SE	Closed Status Spill (Unk/Other Cause)
90	419 W. 128TH STREET	419 W. 128TH STREET	732 feet to the SE	Closed Status Spill (Unk/Other Cause)
47	MT. WILSON PARTNERS APTS.	412 W.129TH STREET	740 feet to the SE	Closed Status Tank Failure
5	411 W 128TH ST	411 W 128TH ST	833 feet to the SE	Active Tank Failure
66	APARTMENT BUILDING	8 ST NICHOLAS TERRACE	1131 feet to the SE	Closed Status Tank Test Failure
122	UNK	215 W.127TH ST.	1824 feet to the SE	Closed Status Spill (Unk/Other Cause)
46	MANHOLE # 44896	SE CORNER OF W 128TH/7TH	2518 feet to the SE	Active Haz Spill (Misc. Spill Cause)
173	MANHOLE 44896	W 128TH ST & 7TH AV	2518 feet to the SE	Closed Status Spill (Unk/Other Cause)
187	34 CONVENT AVE	34 CONVENT AVE	402 feet to the SSE	Closed Status Spill (Misc. Spill Cause)
216	CONVENT AVE FAMILY	34 CONVENT AVE	402 feet to the SSE	Petroleum Bulk Storage Site
87	CONVENT AVE & 128TH STR	2125 CONVENT AVENUE	685 feet to the SSE	Closed Status Spill (Unk/Other Cause)
203		301 ST NICHOLAS AVE	1506 feet to the SSE	Closed Status Spill (Misc. Spill Cause)
115	125ST	ST NICHOLAS AVE	1653 feet to the SSE	Closed Status Spill (Unk/Other Cause)
138		8TH AVE & W 125TH ST	1987 feet to the SSE	Closed Status Spill (Unk/Other Cause)
149	FORMER GAS STATION	FREDERICK DOUGLASS BLVD	2171 feet to the SSE	Closed Status Spill (Unk/Other Cause)
58	UPTOWN REALITY	222-224/226-228 W.125TH	2557 feet to the SSE	Closed Status Tank Failure
188	WEST 128TH ST BET AMSTERD	WEST 128TH ST BET AMSTERD	442 feet to the S	Closed Status Spill (Misc. Spill Cause)
242	BETANCOURT PROPERTY	458 WEST 128TH ST	591 feet to the S	Hazardous Waste Generator/Transporter
103	ENGINE CO. 037/LADD. CO. 40 FDNY -DDC	415 WEST 125TH STREET	1182 feet to the S	Closed Status Spill (Unk/Other Cause)
51	YOUNG RESIDENCE	355 W. 123RD ST.	1889 feet to the S	Closed Status Tank Failure
31	WATTS	98 MORINGING SIDE AVE	1984 feet to the S	Active Haz Spill (Unknown/Other Cause)
146	MANHOLE #58711	WEST 123 ST & MANHATTAN AVE	2075 feet to the S	Closed Status Spill (Unk/Other Cause)
147		540 MANHATTAN AV	2166 feet to the S	Closed Status Spill (Unk/Other Cause)
148	APT BUILDING	540 MANHATTAN AVE	2166 feet to the S	Closed Status Spill (Unk/Other Cause)
208		527 1/2 MANHATTAN AVE	2293 feet to the S	Closed Status Spill (Misc. Spill Cause)
54	344 WEST 122ND STREET	344 WEST 122ND STREET	2295 feet to the S	Closed Status Tank Failure
35	OPEN TRENCH	W 122 ST/MANHATTAN AVE	2299 feet to the S	Active Haz Spill (Unknown/Other Cause)
57	28TH PRECINCT NYPD -DDC	2271-89 EIGHTH AVE	2389 feet to the S	Closed Status Tank Failure

168	302 WEST 122TH ST.	302 WEST 122TH ST.	2481 feet to the S	Closed Status Spill (Unk/Other Cause)
38	SHELL GAS STATION	235 ST NICHOLOS AVE	2525 feet to the S	Active Haz Spill (Unknown/Other Cause)
79	235 ST NICHOLAS AVE	235 ST NICHOLAS AVENUE	2525 feet to the S	Closed Status Tank Test Failure
80	SHELL	235 ST NICHOLAS AV	2525 feet to the S	Closed Status Tank Test Failure
174	SHELL SERVICE #13876	235 ST NICHOLOS AVE	2525 feet to the S	Closed Status Spill (Unk/Other Cause)
94	SERVICE BOX 20506	465 WEST 125TH ST	829 feet to the SSW	Closed Status Spill (Unk/Other Cause)
65	NYC HPD	453 WEST 125TH ST	888 feet to the SSW	Closed Status Tank Test Failure
116	NEW YORK CITY BOARD OF ED	425 WEST 123RD STREET	1674 feet to the SSW	Closed Status Spill (Unk/Other Cause)
117	PS 125	WEST 123RD ST	1674 feet to the SSW	Closed Status Spill (Unk/Other Cause)
24	MANHOLE IN FRONT OF	433 WEST 123RD ST	1726 feet to the SSW	Active Haz Spill (Unknown/Other Cause)
156	MANHOLE #24608	W 121ST & AMSTERDAM AV	2275 feet to the SSW	Closed Status Spill (Unk/Other Cause)
157	MAN HOLE #24608	W 121ST ST & AMSTERDAM AV	2275 feet to the SSW	Closed Status Spill (Unk/Other Cause)
207	121ST & AMSTERDAM AVE	121ST ST & AMSTERDAM AVE	2275 feet to the SSW	Closed Status Spill (Misc. Spill Cause)
11	TEACHERS COLLEGE	106 MORNING SIDE DRIVE	2351 feet to the SSW	Active Tank Failure
56	COLLEGE BUILDING	106 MORNING SIDE DRIVE	2351 feet to the SSW	Closed Status Tank Failure
240	CONSOLIDATED EDISON	VS5942-AMERSTAM ST & 126TH ST	583 feet to the SW	Hazardous Waste Generator/Transporter
241	CONSOLIDATED EDISON	VS5942 - AMERSTAM & 126TH	583 feet to the SW	Hazardous Waste Generator/Transporter
193	1345 AMSTERDAM AVE.	1345 AMSTERDAM AVENUE	730 feet to the SW	Closed Status Spill (Misc. Spill Cause)
19		1346 AMSTERDAM AVE	784 feet to the SW	Active Haz Spill (Unknown/Other Cause)
96	SERVICE BOX 55632	FRONT OF 469 W.125TH ST	880 feet to the SW	Closed Status Spill (Unk/Other Cause)
97	STREET	AMSTERDAM AV & W 125TH	889 feet to the SW	Closed Status Spill (Unk/Other Cause)
139	515 W 122ND ST	515 W 122ND ST	2001 feet to the SW	Closed Status Spill (Unk/Other Cause)
77	JEWISH THEOLOGICAL SEMINARY	3080 BROADWAY	2040 feet to the SW	Closed Status Tank Test Failure
151	509 WEST 121ST ST	509 WEST 121ST ST	2243 feet to the SW	Closed Status Spill (Unk/Other Cause)
85	128TH ST & AMSTERDAM AVE	128TH ST / AMSTERDAM AVE	453 feet to the WSW	Closed Status Spill (Unk/Other Cause)
189	128TH ST AT	AMPSTERDAM AVE/AT DEAD ED	453 feet to the WSW	Closed Status Spill (Misc. Spill Cause)
190	AMSTERDAM AVE & 128TH ST	AMSTERDAM AVE & 128TH ST	453 feet to the WSW	Closed Status Spill (Misc. Spill Cause)
238	NYNEX	AMSTERDAM AVE & 128TH ST	453 feet to the WSW	Hazardous Waste Generator/Transporter
191	ST MARY CENTER	516 WEST 126TH ST	646 feet to the WSW	Closed Status Spill (Misc. Spill Cause)
192	GROUND	516 WEST 126TH ST	646 feet to the WSW	Closed Status Spill (Misc. Spill Cause)
86	26 PRECINCT NYPD -DDC	520 WEST 126TH STREET	661 feet to the WSW	Closed Status Spill (Unk/Other Cause)
67	GRANT HOUSES -NYCHA	1320 AMSTERDAM AVE	1150 feet to the WSW	Closed Status Tank Test Failure
68	GRANT HOUSES -NYCHA	1320 AMSTERDAM AVE	1150 feet to the WSW	Closed Status Tank Test Failure
71		80 LASALLE ST	1499 feet to the WSW	Closed Status Tank Test Failure
72	80 LASALLE ST	80 LASALLE ST	1499 feet to the WSW	Closed Status Tank Test Failure
202	IN ROADWAY	80 LASALLE STREET	1499 feet to the WSW	Closed Status Spill (Misc. Spill Cause)
23	BROADWAY	LASALLE AV	1629 feet to the WSW	Active Haz Spill (Unknown/Other Cause)
113	FEEDER M52	BROADWAY & LA SALLE AVE	1629 feet to the WSW	Closed Status Spill (Unk/Other Cause)
114	MANHOLE #28707	LASALLE ST & BROADWAY	1629 feet to the WSW	Closed Status Spill (Unk/Other Cause)
136	BROADWAY SOUTH	122ND ST/LASALLE ST	1897 feet to the WSW	Closed Status Spill (Unk/Other Cause)
33	FEEDER M52	BROADWAY / 123RD ST	2048 feet to the WSW	Active Haz Spill (Unknown/Other Cause)
142	EXCAVATION	BROADWAY/123RD ST	2048 feet to the WSW	Closed Status Spill (Unk/Other Cause)
175	GRANTS TOMB	GRANTS TOMB	2548 feet to the WSW	Closed Status Spill (Unk/Other Cause)
95		545 WEST 125TH STREET	864 feet to the W	Closed Status Spill (Unk/Other Cause)
20	FEEDER M52	TIEMAN PL & BROADWAY	1182 feet to the W	Active Haz Spill (Unknown/Other Cause)
102	MANHOLE 57843	125TH ST & BROADWAY	1182 feet to the W	Closed Status Spill (Unk/Other Cause)
41	FEEDER M51/52	BROADWAY/TIEMANN ST	1279 feet to the W	Active Haz Spill (Misc. Spill Cause)
104	MANHOLE #61734S	BROADWAY & TIEMAN PLACE	1279 feet to the W	Closed Status Spill (Unk/Other Cause)
105	MANHOLE#47018	TIEMANA PLACE/BROADWAY	1279 feet to the W	Closed Status Spill (Unk/Other Cause)

199	3167 BROADWAY	3167 BROADWAY	1426 feet to the W	Closed Status Spill (Misc. Spill Cause)
237	NYC BOARD OF EDUCATION	JHS 43 M - 509 W 129TH ST	441 feet to the WNW	Hazardous Waste Generator/Transporter
224	JUNIOR HIGH SCHOOL 43	509 WEST 129TH STREET	470 feet to the WNW	Petroleum Bulk Storage Site
101		W 126TH ST 11TH AVE	1120 feet to the WNW	Closed Status Spill (Unk/Other Cause)
13	FORMER WOLF AMOCO STATION	3225 BROADWAY	1243 feet to the WNW	Active Tank Test Failure
69	AMOCO	3225 BROADWAY	1243 feet to the WNW	Closed Status Tank Test Failure
110	VAULT 3098	603-11 W 129TH ST	1348 feet to the WNW	Closed Status Spill (Unk/Other Cause)
8	619 W 125TH ST	619 W 125TH ST	1370 feet to the WNW	Active Tank Failure
74	637 WEST 125TH ST/MANH	637 WEST 125TH STREET	1649 feet to the WNW	Closed Status Tank Test Failure
120	VAULT 5606	554 RIVERSIDE DR	1800 feet to the WNW	Closed Status Spill (Unk/Other Cause)
135	663 WEST 125TH ST	663 WEST 125TH STREET	1877 feet to the WNW	Closed Status Spill (Unk/Other Cause)
32	MANHOLE #60248	12 AVENUE & ST. CLAIR'S PLACE	2019 feet to the WNW	Active Haz Spill (Unknown/Other Cause)
140	MANHOLE#M47173	W. 125TH / 12TH AVE.	2039 feet to the WNW	Closed Status Spill (Unk/Other Cause)
34	ONE PINT OIL LEAKING FROM CABLE IN	WEST 130 STREET AT 12 AVENUE.	2049 feet to the WNW	Active Haz Spill (Unknown/Other Cause)
143	SERVICE 47174	W 130TH ST /12TH AVE	2049 feet to the WNW	Closed Status Spill (Unk/Other Cause)
150		2276 12TH AV	2180 feet to the WNW	Closed Status Spill (Unk/Other Cause)
160	125TH ST. & HUDSON RIVER	125TH ST. / HUDSON RIVER	2318 feet to the WNW	Closed Status Spill (Unk/Other Cause)
161	SERVICE BOX # 51888	WEST 125 STREET & MARGINAL ST	2318 feet to the WNW	Closed Status Spill (Unk/Other Cause)
162	1 QT FUEL OIL IN SERVICE BOX #68518	WEST 125 & MARGINAL STREETS	2318 feet to the WNW	Closed Status Spill (Unk/Other Cause)
7	MOBIL S/S	3260 BROADWAY	1098 feet to the NW	Active Tank Failure
40	BROADWAY/W. 131ST ST	BROADWAY N/O W. 131ST ST	1174 feet to the NW	Active Haz Spill (Misc. Spill Cause)
109	VERIZON	603 WEST 130TH STREET	1334 feet to the NW	Closed Status Spill (Unk/Other Cause)
2	ASHLAND CHEMICAL CORP	609 W 131ST ST	1452 feet to the NW	RCRA Corrective Action Site
4	ASHLAND CHEMICAL CORP	609 W 131ST ST	1452 feet to the NW	Hazardous Waste Treat, Storage, Disposal
21	COLUMBIA UNIVERSITY	615 WEST 131ST STREET LLC	1561 feet to the NW	Active Haz Spill (Unknown/Other Cause)
22	SKYLINE WINDOWS	625 WEST 130TH ST	1615 feet to the NW	Active Haz Spill (Unknown/Other Cause)
3	CE - W. 132ND ST. STATION	12TH AVE. BETWEEN W.131ST - W. 133RD STS.	1717 feet to the NW	Brownfields Site
26	W132NS ST PURS UNIT R4 (M52S)	630 WEST 132ND STREET	1751 feet to the NW	Active Haz Spill (Unknown/Other Cause)
27	W 132NS ST PURS UNIT R2 (M52N)	WEST 132ND ST	1751 feet to the NW	Active Haz Spill (Unknown/Other Cause)
44	132ND ST COOLING PLANT	132ND ST COOLING PLANT	1751 feet to the NW	Active Haz Spill (Misc. Spill Cause)
50	WEST 132ND PURRS PLANT	630 WEST 132ND STREET	1751 feet to the NW	Closed Status Tank Failure
118	W 132ND ST PURS UNIT R3 (M51S)	630 WEST 132ND STREET	1751 feet to the NW	Closed Status Spill (Unk/Other Cause)
119	PURS	WEST 132ND ST	1751 feet to the NW	Closed Status Spill (Unk/Other Cause)
204	W 132ND ST PURS	630 WEST 132ND STREET	1751 feet to the NW	Closed Status Spill (Misc. Spill Cause)
14	WARREN ELECTRICAL SUPPLY	641 WEST 131ST ST	1793 feet to the NW	Active Tank Test Failure
9	MANHATTANVILLE DEPOT --NYCT	666 W.133TH ST	1825 feet to the NW	Active Tank Failure
28	MANHATTANVILLE DEPOT -NYCT	666 WEST 133RD STREET	1825 feet to the NW	Active Haz Spill (Unknown/Other Cause)
29	MANHATTENVILLE DEPOT	666 WEST 133RD STREET	1825 feet to the NW	Active Haz Spill (Unknown/Other Cause)
30	MANHATTAN DEPOT - VAULT -NYCT	666 WEST 133RD STREET	1825 feet to the NW	Active Haz Spill (Unknown/Other Cause)
75	MANHATTENVILLE BUS DEPOT	666 WEST 132ND ST	1825 feet to the NW	Closed Status Tank Test Failure
76	MANHATTANVILLE DEPOT	666 WEST 133RD STREET	1825 feet to the NW	Closed Status Tank Test Failure
123	MANHATTANVILLE BUS DEPOT	666 WEST 132ND ST	1825 feet to the NW	Closed Status Spill (Unk/Other Cause)
124	MANHATTANVILLE DEPOT	666 WEST 132ND ST	1825 feet to the NW	Closed Status Spill (Unk/Other Cause)
125	MANHATTANVILLE BUS DEPOT	666 WEST 133RD ST	1825 feet to the NW	Closed Status Spill (Unk/Other Cause)
126	MANHATTANVILLE DEPOT	666 WEST 133RD STREET	1825 feet to the NW	Closed Status Spill (Unk/Other Cause)
127	MANHATTANVILLE DEPOT	666 WEST 133RD STREET	1825 feet to the NW	Closed Status Spill (Unk/Other Cause)
128	MANHATTANVILLE BUS DEPOT	666 WEST 133RD STREET	1825 feet to the NW	Closed Status Spill (Unk/Other Cause)
129	MANHATTANVILLE DEPOT -NYCT	133RD ST.	1825 feet to the NW	Closed Status Spill (Unk/Other Cause)
130	MANHATTANVILLE BUS DEPOT	666 WEST 133RD STREET	1825 feet to the NW	Closed Status Spill (Unk/Other Cause)
131	MANHATTANVILLE BUS DEPOT	666 WEST 133RD STREET	1825 feet to the NW	Closed Status Spill (Unk/Other Cause)
205	MANHATTENVILLE BUS DEPOT	666 WEST 133RD STREET	1825 feet to the NW	Closed Status Spill (Misc. Spill Cause)

206	MANHATTANVILLE DEPOT	666 WEST 133RD STREET	1825 feet to the NW	Closed Status Spill (Misc. Spill Cause)
18	MANHATTANVILLE HOUSING -NYCHA	1430 AMSTERDAM AVENUE	771 feet to the NNW	Active Haz Spill (Unknown/Other Cause)
60	MANHATTANVILLE	1430 AMSTERDAM AV	771 feet to the NNW	Closed Status Tank Test Failure
61	MANHATTANVILLE	1430 AMSTERDAM AVENUE	771 feet to the NNW	Closed Status Tank Test Failure
62	MANHATTANVILLE HOUSES -NYCHA	1430 AMSTERDAM AVENUE	771 feet to the NNW	Closed Status Tank Test Failure
63	MANHATTANVILLE -NYCHA	1430 AMSTERDAM AVENUE	771 feet to the NNW	Closed Status Tank Test Failure
64	MANHATTANVILLE HOUSES -NYCHA	1430 AMSTERDAM AVENUE	771 feet to the NNW	Closed Status Tank Test Failure
91	1430 AMSTERDAM AVE/MANH	1430 AMSTERDAM AVENUE	771 feet to the NNW	Closed Status Spill (Unk/Other Cause)
92	1430 AMSTERDAM AVE/MANH	1430 AMSTERDAM AVENUE	771 feet to the NNW	Closed Status Spill (Unk/Other Cause)
93	MANHATTANVILLE -NYCHA	1430 AMSTERDAM AVENUE	771 feet to the NNW	Closed Status Spill (Unk/Other Cause)
194	MANHATTANVILLE	1430 AMSTERDAM AVE	771 feet to the NNW	Closed Status Spill (Misc. Spill Cause)
195	MANHATTANVILLE	1430 AMSTERDAM AVE	771 feet to the NNW	Closed Status Spill (Misc. Spill Cause)
196	MANHATTANVILLE	549 WEST 126TH STREET	771 feet to the NNW	Closed Status Spill (Misc. Spill Cause)
100	U-HAUL	3270 BROADWAY	1111 feet to the NNW	Closed Status Spill (Unk/Other Cause)
42	BROADWAY/W. 132ND ST	BROADWAY S/O W. 132ND ST	1284 feet to the NNW	Active Haz Spill (Misc. Spill Cause)
106	MANHOLE 6016	E 132 ST/BROADWAY	1284 feet to the NNW	Closed Status Spill (Unk/Other Cause)
107	FEEDER M52	W.132ND ST/BROADWAY	1284 feet to the NNW	Closed Status Spill (Unk/Other Cause)
108	MANHOLE #61799	BROADWAY & 132ND ST	1284 feet to the NNW	Closed Status Spill (Unk/Other Cause)
198	132ND ST AND BROADWAY	132ND ST AND BROADWAY	1284 feet to the NNW	Closed Status Spill (Misc. Spill Cause)
112	CONED MANHOLE#27844	WEST 133RD/BROADWAY	1432 feet to the NNW	Closed Status Spill (Unk/Other Cause)
132	RIVERSIDE PARK COMPLEX	3333 BROADWAY	1877 feet to the NNW	Closed Status Spill (Unk/Other Cause)
133	3333 BROADWAY	3333 BROADWAY	1877 feet to the NNW	Closed Status Spill (Unk/Other Cause)
134	ON STREET	3333 BROADWAY	1877 feet to the NNW	Closed Status Spill (Unk/Other Cause)
55	636 ASSETS INC	636 W 136TH ST	2299 feet to the NNW	Closed Status Tank Failure
36	MANHOLE 57772	12TH AV/NW 135TH ST	2363 feet to the NNW	Active Haz Spill (Unknown/Other Cause)
170	136TH ST & RIVERSIDE DR	136TH ST & RIVERSIDE DR	2500 feet to the NNW	Closed Status Spill (Unk/Other Cause)
171	W 136TH ST/RIVERSIDE AVE	W 136TH ST/RIVERSIDE AVE	2500 feet to the NNW	Closed Status Spill (Unk/Other Cause)

Identified Toxic Sites by Category

487 West 129th Street
New York, NY 10027

* Compass directions can vary substantially for sites located very close to the subject property address.

NYSDEC Inactive Haz. Waste Disposal Site Registry -- Total Sites - 1

Database searched at 1 MILE - ASTM required search distance: 1 Mile

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
1	231004	2350 FIFTH AVE., NEW YORK (AKA, PS 141)	2350 FIFTH AVENUE	5251 feet to the E

RCRA Corrective Action Sites -- Total Sites - 1

Database searched at 1 MILE - ASTM required search distance: 1 Mile

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
2	NYD068212695	ASHLAND CHEMICAL CORP	609 W 131ST ST	1452 feet to the NW

Brownfields Sites -- Total Sites - 1

Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
3	V00547	CE - W. 132ND ST. STATION	12TH AVE. BETWEEN W.131ST - W. 133RD STS.	1717 feet to the NW

Hazardous Waste Treatment, Storage, Disposal Facilities -- Total Sites - 1

Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
4	NYD068212695	ASHLAND CHEMICAL CORP	609 W 131ST ST	1452 feet to the NW

Active Tank Failures -- Total Sites - 7

Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
5	0102976	411 W 128TH ST	411 W 128TH ST	833 feet to the SE
6	0412648	APARTMENT	1484 AMSTERDAM AVE	1043 feet to the N
7	9205134	MOBIL S/S	3260 BROADWAY	1098 feet to the NW
8	9302776	619 W 125TH ST	619 W 125TH ST	1370 feet to the WNW
9	0111827	MANHATTANVILLE DEPOT --NYCT	666 W.133TH ST	1825 feet to the NW
10	0301927	PUBLIC SCHOOL 192	500 W 138TH ST	2062 feet to the NNE
11	0609739	TEACHERS COLLEGE	106 MORNING SIDE DRIVE	2351 feet to the SSW

Active Tank Test Failures -- Total Sites - 4

Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
12	0605890	CITY COLLEGE OF NY	W 135TH STREET &	917 feet to the NE
13	9604890	FORMER WOLF AMOCO STATION	3225 BROADWAY	1243 feet to the WNW
14	0104428	WARREN ELECTRICAL SUPPLY	641 WEST 131ST ST	1793 feet to the NW
15	0012735	32ND PERC. NYPD	135TH ST HARLEM	2406 feet to the E

Active Haz Spills (Unknown Causes & Other Causes) -- Total Sites - 23

Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
16	9314756	420-418 WEST 129TH ST.	420 WEST 129TH ST.	630 feet to the SE
17	9311469	408-410 WEST 130TH ST.	408-410 WEST 130TH ST.	692 feet to the ESE
18	0006409	MANHATTANVILLE HOUSING -NYCHA	1430 AMSTERDAM AVENUE	771 feet to the NNW
19	0302575		1346 AMSTERDAM AVE	784 feet to the SW
20	0512307	FEEDER M52	TIEMAN PL & BROADWAY	1182 feet to the W
21	0506154	COLUMBIA UNIVERSITY	615 WEST 131ST STREET LLC	1561 feet to the NW
22	0304592	SKYLINE WINDOWS	625 WEST 130TH ST	1615 feet to the NW
23	9710119	BROADWAY	LASALLE AV	1629 feet to the WSW
24	9811358	MANHOLE IN FRONT OF	433 WEST 123RD ST	1726 feet to the SSW
25	0612457	APART	480 ST NICHOLOS AVE	1745 feet to the E
26	0203037	W132NS ST PURS UNIT R4 (M52S)	630 WEST 132ND STREET	1751 feet to the NW
27	0203032	W 132NS ST PURS UNIT R2 (M52N)	WEST 132ND ST	1751 feet to the NW
28	9506400	MANHATTANVILLE DEPOT -NYCT	666 WEST 133RD STREET	1825 feet to the NW

29	0601281	MANHATTENVILLE DEPOT	666 WEST 133RD STREET	1825 feet to the NW
30	0105323	MANHATTAN DEPOT - VAULT -NYCT	666 WEST 133RD STREET	1825 feet to the NW
31	0603999	WATTS	98 MORINGING SIDE AVE	1984 feet to the S
32	0611137	MANHOLE #60248	12 AVENUE & ST. CLAIR'S PLACE	2019 feet to the WNW
33	9815046	FEEDER M52	BROADWAY / 123RD ST	2048 feet to the WSW
34	0701987	ONE PINT OIL LEAKING FROM CABLE IN	WEST 130 STREET AT 12 AVENUE.	2049 feet to the WNW
35	0410402	OPEN TRENCH	W 122 ST/MANHATTAN AVE	2299 feet to the S
36	0209867	MANHOLE 57772	12TH AV/NW 135TH ST	2363 feet to the NNW
37	9614561	207 CONVENT AVE	207 CONVENT AVE	2482 feet to the NE
38	0702470	SHELL GAS STATION	235 ST NICHOLOS AVE	2525 feet to the S

Active Haz Spills (Miscellaneous Spill Causes) -- Total Sites - 8 **Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile**

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
39	9913598	MANHOLE #24661	130TH ST & AMSTERDAM AVE	247 feet to the NNW
40	8303209	BROADWAY/W. 131ST ST	BROADWAY N/O W. 131ST ST	1174 feet to the NW
41	9613328	FEEDER M51/52	BROADWAY/TIEMANN ST	1279 feet to the W
42	8102002	BROADWAY/W. 132ND ST	BROADWAY S/O W. 132ND ST	1284 feet to the NNW
43	0300340	DASNY	W.135TH ST & ST NICHOLAS	1568 feet to the NE
44	8912498	132ND ST COOLING PLANT	132ND ST COOLING PLANT	1751 feet to the NW
45	8102007	BROADWAY/W. 136TH ST.	BROADWAY/W. 136TH ST	2047 feet to the N
46	0409134	MANHOLE # 44896	SE CORNER OF W 128TH/7TH	2518 feet to the SE

Closed Status Tank Failures -- Total Sites - 12 **Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile**

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
47	9401941	MT. WILSON PARTNERS APTS.	412 W.129TH STREET	740 feet to the SE
48	8905490	MANHATTANVILLE	W 133RD ST & AMSTERDAM AV	920 feet to the NNE
49	0403911	501 WEST 134TH ST	501 WEST 134TH ST	1261 feet to the NNE
50	9708092	WEST 132ND PURRS PLANT	630 WEST 132ND STREET	1751 feet to the NW
51	0508285	YOUNG RESIDENCE	355 W. 123RD ST.	1889 feet to the S
52	0407291	UNIVERSITY, MARSHAK BUILDING	137TH STREET	2001 feet to the NE
53	8906780	500 WEST 138TH ST/PS 192	500 WEST 138TH STREET	2062 feet to the NNE
54	9711778	344 WEST 122ND STREET	344 WEST 122ND STREET	2295 feet to the S
55	9813620	636 ASSETS INC	636 W 136TH ST	2299 feet to the NNW
56	0609745	COLLEGE BUILDING	106 MORNING SIDE DRIVE	2351 feet to the SSW
57	0550474	28TH PRECINCT NYPD -DDC	2271-89 EIGHTH AVE	2389 feet to the S
58	9808120	UPTOWN REALITY	222-224/226-228 W.125TH	2557 feet to the SSE

Closed Status Tank Test Failures -- Total Sites - 22 **Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile**

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
59	9110838	AMSTERDAM DEPOT	1381 AMSTERDAM AVENUE	240 feet to the SSW
60	9808324	MANHATTANVILLE	1430 AMSTERDAM AV	771 feet to the NNW
61	9402164	MANHATTANVILLE	1430 AMSTERDAM AVENUE	771 feet to the NNW
62	9305361	MANHATTANVILLE HOUSES -NYCHA	1430 AMSTERDAM AVENUE	771 feet to the NNW
63	9200116	MANHATTANVILLE -NYCHA	1430 AMSTERDAM AVENUE	771 feet to the NNW
64	9004122	MANHATTANVILLE HOUSES -NYCHA	1430 AMSTERDAM AVENUE	771 feet to the NNW
65	0108752	NYC HPD	453 WEST 125TH ST	888 feet to the SSW
66	0210452	APARTMENT BUILDING	8 ST NICHOLAS TERRACE	1131 feet to the SE
67	9415543	GRANT HOUSES -NYCHA	1320 AMSTERDAM AVE	1150 feet to the WSW
68	9415378	GRANT HOUSES -NYCHA	1320 AMSTERDAM AVE	1150 feet to the WSW
69	0200338	AMOCO	3225 BROADWAY	1243 feet to the WNW
70	0108681	NYC HOUSING COMPLEX	504 WEST 135TH ST	1410 feet to the N
71	0300855		80 LASALLE ST	1499 feet to the WSW
72	0300854	80 LASALLE ST	80 LASALLE ST	1499 feet to the WSW

73	0106037	HPD	527 W.134TH ST	1510 feet to the N
74	8905876	637 WEST 125TH ST/MANH	637 WEST 125TH STREET	1649 feet to the WNW
75	9900720	MANHATTENVILLE BUS DEPOT	666 WEST 132ND ST	1825 feet to the NW
76	9900159	MANHATTANVILLE DEPOT	666 WEST 133RD STREET	1825 feet to the NW
77	0012287	JEWISH THEOLOGICAL SEMINARY	3080 BROADWAY	2040 feet to the SW
78	0406912	CCNY BUILDING	152-236 CONVENT AVE	2198 feet to the NNE
79	9312945	235 ST NICHOLAS AVE	235 ST NICHOLAS AVENUE	2525 feet to the S
80	8900371	SHELL	235 ST NICHOLAS AV	2525 feet to the S

Closed Status Spills (Unknown Causes & Other Causes) -- Total Sites - 98 **Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile**

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
81	0508241	W 130 ST BETWEEN	CONVENT AV & AMSTERDAM AV	121 feet to the NNE*
82	9404949	AMSTERDAM DEPOT	1381 AMSTERDAM AVENUE	240 feet to the SSW
83	9905007	IN A PIT	AMSTERDAM AVE & W129TH ST	255 feet to the W
84	9608704	AMSTERDAM AVE/W 129TH ST	AMSTERDAM AVE W 129TH ST	255 feet to the W
85	9315331	128TH ST & AMSTERDAM AVE	128TH ST / AMSTERDAM AVE	453 feet to the WSW
86	9516780	26 PRECINCT NYPD -DDC	520 WEST 126TH STREET	661 feet to the WSW
87	9400780	CONVENT AVE & 128TH STR	2125 CONVENT AVENUE	685 feet to the SSE
88	9309874	408 WEST 130TH STREET	408 WEST 130TH STREET	692 feet to the ESE
89	9402093	419 WEST 128TH STREET	419 WEST 128TH STREET	732 feet to the SE
90	9401906	419 W. 128TH STREET	419 W. 128TH STREET	732 feet to the SE
91	9011397	1430 AMSTERDAM AVE/MANH	1430 AMSTERDAM AVENUE	771 feet to the NNW
92	9011333	1430 AMSTERDAM AVE/MANH	1430 AMSTERDAM AVENUE	771 feet to the NNW
93	8906595	MANHATTANVILLE -NYCHA	1430 AMSTERDAM AVENUE	771 feet to the NNW
94	0002628	SERVICE BOX 20506	465 WEST 125TH ST	829 feet to the SSW
95	9808604		545 WEST 125TH STREET	864 feet to the W
96	0002627	SERVICE BOX 55632	FRONT OF 469 W.125TH ST	880 feet to the SW
97	0406199	STREET	AMSTERDAM AV & W 125TH	889 feet to the SW
98	9600836	133RD ST & CONVENT AV	133RD ST & CONVENT AV	902 feet to the NNE
99	0604053	CITY COLLEGE	141 CONVENT AVE	917 feet to the NE
100	8709144	U-HAUL	3270 BROADWAY	1111 feet to the NNW
101	9811696		W 126TH ST 11TH AVE	1120 feet to the WNW
102	9901071	MANHOLE 57843	125TH ST & BROADWAY	1182 feet to the W
103	9905882	ENGINE CO. 037/LADD. CO. 40 FDNY -DDC	415 WEST 125TH STREET	1182 feet to the S
104	0512334	MANHOLE #61734S	BROADWAY & TIEMAN PLACE	1279 feet to the W
105	0409472	MANHOLE#47018	TIEMANA PLACE/BROADWAY	1279 feet to the W
106	9814772	MANHOLE 6016	E 132 ST/BROADWAY	1284 feet to the NNW
107	0403102	FEEDER M52	W.132ND ST/BROADWAY	1284 feet to the NNW
108	0105570	MANHOLE #61799	BROADWAY & 132ND ST	1284 feet to the NNW
109	0330031	VERIZON	603 WEST 130TH STREET	1334 feet to the NW
110	0211558	VAULT 3098	603-11 W 129TH ST	1348 feet to the WNW
111	0408101	MERCURY SPILL CITY OWNED SITE	150 CONVENT AVE	1374 feet to the NNE
112	0405111	CONED MANHOLE#27844	WEST 133RD/BROADWAY	1432 feet to the NNW
113	0010293	FEEDER M52	BROADWAY & LA SALLE AVE	1629 feet to the WSW
114	0000688	MANHOLE #28707	LASALLE ST & BROADWAY	1629 feet to the WSW
115	0209121	125ST	ST NICHOLAS AVE	1653 feet to the SSE
116	9514262	NEW YORK CITY BOARD OF ED	425 WEST 123RD STREET	1674 feet to the SSW
117	0003342	PS 125	WEST 123RD ST	1674 feet to the SSW
118	0203041	W 132ND ST PURS UNIT R3 (M51S)	630 WEST 132ND STREET	1751 feet to the NW
119	0203039	PURS	WEST 132ND ST	1751 feet to the NW
120	0212015	VAULT 5606	554 RIVERSIDE DR	1800 feet to the WNW
121	9614617	SOUTHWEST CORNER	135TH ST & BROADWAY	1819 feet to the N
122	9409466	UNK	215 W.127TH ST.	1824 feet to the SE

123	9910510	MANHATTANVILLE BUS DEPOT	666 WEST 132ND ST	1825 feet to the NW
124	9900473	MANHATTANVILLE DEPOT	666 WEST 132ND ST	1825 feet to the NW
125	9604882	MANHATTANVILLE BUS DEPOT	666 WEST 133RD ST	1825 feet to the NW
126	9600202	MANHATTANVILLE DEPOT	666 WEST 133RD STREET	1825 feet to the NW
127	9511248	MANHATTANVILLE DEPOT	666 WEST 133RD STREET	1825 feet to the NW
128	0409747	MANHATTANVILLE BUS DEPOT	666 WEST 133RD STREET	1825 feet to the NW
129	0405766	MANHATTANVILLE DEPOT -NYCT	133RD ST.	1825 feet to the NW
130	0313077	MANHATTANVILLE BUS DEPOT	666 WEST 133RD STREET	1825 feet to the NW
131	0210921	MANHATTANVILLE BUS DEPOT	666 WEST 133RD STREET	1825 feet to the NW
132	9611829	RIVERSIDE PARK COMPLEX	3333 BROADWAY	1877 feet to the NNW
133	9511604	3333 BROADWAY	3333 BROADWAY	1877 feet to the NNW
134	0513563	ON STREET	3333 BROADWAY	1877 feet to the NNW
135	9403502	663 WEST 125TH ST	663 WEST 125TH STREET	1877 feet to the WNW
136	0011789	BROADWAY SOUTH	122ND ST/LASALLE ST	1897 feet to the WSW
137	9212040	269 W 133RD STREET	269 W. 133RD STREET	1918 feet to the E
138	0101178		8TH AVE & W 125TH ST	1987 feet to the SSE
139	9610522	515 W 122ND ST	515 W 122ND ST	2001 feet to the SW
140	0611095	MANHOLE#M47173	W. 125TH / 12TH AVE.	2039 feet to the WNW
141	9900174	MANHOLE 3140	WEST 136TH ST & BROADWAY	2047 feet to the N
142	0011576	EXCAVATION	BROADWAY/123RD ST	2048 feet to the WSW
143	0008215	SERVICE 47174	W 130TH ST /12TH AVE	2049 feet to the WNW
144	9810574	PS #192	500 WEST 138TH ST	2062 feet to the NNE
145	9515727	PUBLIC SCHOOL 24	500 WEST 138TH ST	2062 feet to the NNE
146	0513884	MANHOLE #58711	WEST 123 ST & MANHATTAN AVE	2075 feet to the S
147	9911952		540 MANHATTAN AV	2166 feet to the S
148	9902506	APT BUILDING	540 MANHATTAN AVE	2166 feet to the S
149	9710405	FORMER GAS STATION	FREDERICK DOUGLASS BLVD	2171 feet to the SSE
150	9906936		2276 12TH AV	2180 feet to the WNW
151	9602034	509 WEST 121ST ST	509 WEST 121ST ST	2243 feet to the SW
152	9912152	138TH ST & AMSTERDAM AVE	138TH ST & AMSTERDAM AVE	2252 feet to the NNE
153	9611063	SPILL IS IN REGION 2	NOT IN REG 3	2267 feet to the N
154	8800418	137TH ST & BROADWAY/CONED	137TH ST AND BROADWAY	2267 feet to the N
155	8701857	137TH STREET AND BROADWAY	7TH AVENUE STOP / SUBWAY	2267 feet to the N
156	9901013	MANHOLE #24608	W 121ST & AMSTERDAM AV	2275 feet to the SSW
157	0302137	MAN HOLE #24608	W 121ST ST & AMSTERDAM AV	2275 feet to the SSW
158	8605811	222 W.134 ST. MANHATTAN/#	222 W. 134 ST.	2278 feet to the E
159	0605727	CHURCH	219 WEST 132ND STREET	2316 feet to the E
160	9214231	125TH ST. & HUDSON RIVER	125TH ST. / HUDSON RIVER	2318 feet to the WNW
161	0610629	SERVICE BOX # 51888	WEST 125 STREET & MARGINAL ST	2318 feet to the WNW
162	0610626	1 QT FUEL OIL IN SERVICE BOX #68518	WEST 125 & MARGINAL STREETS	2318 feet to the WNW
163	9805378	OPEN EXCAVATION	203 WEST 131ST ST	2343 feet to the ESE
164	9605198	32 PRECINCT NYPD -DDC	250 WEST 135TH STREET	2406 feet to the E
165	9600641	CARIB AUTO SHOP	1590 AMSTERDAM AVE	2442 feet to the NNE
166	0410318	IN FRONT OF	1592 AMSTERDAM AVE.	2442 feet to the NNE
167	9900357	JUAN MARRERO	2248 7TH AVENUE	2471 feet to the E
168	9312851	302 WEST 122TH ST.	302 WEST 122TH ST.	2481 feet to the S
169	0510728	APT BLDG	35 HAMILTON PLACE	2490 feet to the N
170	9610009	136TH ST & RIVERSIDE DR	136TH ST & RIVERSIDE DR	2500 feet to the NNW
171	9610007	W 136TH ST/RIVERSIDE AVE	W 136TH ST/RIVERSIDE AVE	2500 feet to the NNW
172	0503050	TM #1893	WEST 131ST STREET AND 7TH	2513 feet to the ESE
173	9908670	MANHOLE 44896	W 128TH ST & 7TH AV	2518 feet to the SE
174	0411345	SHELL SERVICE #13876	235 ST NICHOLOS AVE	2525 feet to the S
175	0011463	GRANTS TOMB	GRANTS TOMB	2548 feet to the WSW

176	9912736		224 W 135TH ST	2586 feet to the E
177	9405172	UNK	232 W. 136TH ST.	2625 feet to the E
178	9912328		515 WEST 139TH ST	2635 feet to the NNE

Closed Status Spills (Miscellaneous Spill Causes) -- Total Sites - 31 **Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile**

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
179	9907728	AMSTERDAM BUS DEPOT	1381 AMSTERDAM AV	240 feet to the SSW
180	9905017	AMSTERDAM BUS DEPOT - NYCT	1381 AMSTERDAM AVENUE	240 feet to the SSW
181	9904206	AMSTERDAM BUS DEPOT - NYCT	1381 AMSTERDAM AVENUE	240 feet to the SSW
182	9903475	AMSTERDAM BUS DEPOT - NYCT	1381 AMSTERDAM AVENUE	240 feet to the SSW
183	9814087	AMSTERDAM BUS DEPOT	1381 AMSTERDAM AVE	240 feet to the SSW
184	0110865	AMSTERDAM DEPOT	1381 AMSTERDAM AV	240 feet to the SSW
185	0305249		AMSTERDAM AV/129TH ST	255 feet to the W
186	9906065	462 WEST 129TH STREET	462 WEST 129TH STREET	378 feet to the SSE
187	0600235	34 CONVENT AVE	34 CONVENT AVE	402 feet to the SSE
188	9400456	WEST 128TH ST BET AMSTERD	WEST 128TH ST BET AMSTERD	442 feet to the S
189	9907713	128TH ST AT	AMPSTERDAM AVE/AT DEAD ED	453 feet to the WSW
190	9903597	AMSTERDAM AVE & 128TH ST	AMSTERDAM AVE & 128TH ST	453 feet to the WSW
191	0650579	ST MARY CENTER	516 WEST 126TH ST	646 feet to the WSW
192	0604040	GROUND	516 WEST 126TH ST	646 feet to the WSW
193	9311142	1345 AMSTERDAM AVE.	1345 AMSTERDAM AVENUE	730 feet to the SW
194	9508390	MANHATTANVILLE	1430 AMSTERDAM AVE	771 feet to the NNW
195	9211290	MANHATTANVILLE	1430 AMSTERDAM AVE	771 feet to the NNW
196	9011363	MANHATTANVILLE	549 WEST 126TH STREET	771 feet to the NNW
197	0012680	PS 161	499 W 133RD ST	1025 feet to the NNE
198	9209349	132ND ST AND BROADWAY	132ND ST AND BROADWAY	1284 feet to the NNW
199	9204712	3167 BROADWAY	3167 BROADWAY	1426 feet to the W
200	0607482	ADJACENT TO VAULT #9034	2437 8TH AVE	1430 feet to the ESE
201	0607480	VAULT 9034	2437 8TH AVE	1430 feet to the ESE
202	0513636	IN ROADWAY	80 LASALLE STREET	1499 feet to the WSW
203	0009511		301 ST NICHOLAS AVE	1506 feet to the SSE
204	0409055	W 132ND ST PURS	630 WEST 132ND STREET	1751 feet to the NW
205	9806198	MANHATTENVILLE BUS DEPOT	666 WEST 133RD STREET	1825 feet to the NW
206	0310991	MANHATTANVILLE DEPOT	666 WEST 133RD STREET	1825 feet to the NW
207	9108722	121ST & AMSTERDAM AVE	121ST ST & AMSTERDAM AVE	2275 feet to the SSW
208	9910909		527 1/2 MANHATTAN AVE	2293 feet to the S
209	9605429	238 WEST 136TH ST	238 WEST 136TH ST	2584 feet to the E

Petroleum Bulk Storage Sites -- Total Sites - 22 **Database searched at 1/8 MILE - ASTM required search distance: Property & Adjacent**

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
210	2-610375	1405 AMSTERDAM AVENUE	1405 AMSTERDAM AVENUE	135 feet to the W*
211	2-601019	48 CONVENT AVE.	48 CONVENT AVE.	213 feet to the ESE
212	2-190403	AMSTERDAM BUS DEPOT	1381 AMSTERDAM AVENUE	240 feet to the SSW
213	NY09386	ST PHILIPS ON CONVENT	450 W 131 ST	268 feet to the NE
214	2-606609	CONVENT AVENUE FAMILY LIVING CENTER	456 WEST 129TH STREET	349 feet to the SSE
215	2-344729	VERIZON NEW YORK, INC.	460 WEST 129TH STREET	378 feet to the SSE
216	NY02873	CONVENT AVE FAMILY	34 CONVENT AVE	402 feet to the SSE
217	2-606230	PUBLIC SCHOOL 223-MOTT HALL	131ST STREET &	418 feet to the NE
218	2-469939	THE ST. AGNES HOUSING DEVELOPMENT FUND	41 CONVENT AVENUE	437 feet to the SE
219	NY06903	MOTT HALL SCHOOL,IS 223	75 CONVENT AVE	440 feet to the ENE
220	NY01942	BENJAMIN THURSTON	465 W 131 ST	443 feet to the NNE
221	2-063193	1437 AMSTERDAM AVE REALTY INC	405 WEST 131TH STREET	445 feet to the NNE
222	NY02623	CHURCH ANNUNCIATION	461 W 131 ST	469 feet to the NNE

223	2-081094	AUNNUNCIATION CHURCH	88 CONVENT AVE	469 feet to the NNE
224	2-607635	JUNIOR HIGH SCHOOL 43	509 WEST 129TH STREET	470 feet to the WNW
225	2-606799	1439 AMSTERDAM AVENUE	1439 AMSTERDAM AVENUE	471 feet to the NNE
226	2-608985	33 CONVENT AVENUE HDFC	29-33 CONVENT AVENUE	538 feet to the SE
227	2-353442	PUBLIC SCHOOL 129 - MANHATTAN	425 WEST 130TH STREET	546 feet to the E
228	2-161470	418 WEST 130TH LLC	418 WEST 130TH STREET	552 feet to the ESE
229	2-282707	CONVENT REALTY LLC	90 CONVENT AVENUE	574 feet to the NNE
230	2-602928	129 STREET REALTY CORP.	419 WEST 129TH STREET	600 feet to the SE
231	2-606794	418 WEST 129 STREET	418 WEST 129TH STREET	630 feet to the SE

Hazardous Waste Generators, Transporters -- Total Sites - 12 **Database searched at 1/8 MILE - ASTM required search distance: Property & Adjacent**

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
232	NYP004070470	CONSOLIDATED EDISON	MH24661-130TH & AMSTERDAM	247 feet to the NNW
233	NYR000076745	NYC PARKS & RECREATION	129TH ST & AMSTERDAM AVE	255 feet to the W
234	NYD980642342	NYCTA	1381 AMSTERDAM AVE	299 feet to the SSW
235	NYR981487226	NYC CITY COLLEGE	COVENANT AVE & 130TH ST	308 feet to the E
236	NYP000929364	NYNEX	129TH STREET AND CONVERT	419 feet to the SE
237	NYR000073486	NYC BOARD OF EDUCATION	JHS 43 M - 509 W 129TH ST	441 feet to the WNW
238	NYP000914028	NYNEX	AMSTERDAM AVE & 128TH ST	453 feet to the WSW
239	NYR000009530	NYC BOARD OF EDUCATION - PS 129	425 W 130TH STREET	558 feet to the E
240	NYD004048880	CONSOLIDATED EDISON	VS5942-AMERSTAM ST & 126TH ST	583 feet to the SW
241	NYP004048880	CONSOLIDATED EDISON	VS5942 - AMERSTAM & 126TH	583 feet to the SW
242	NYR000041939	BETANCOURT PROPERTY	458 WEST 128TH ST	591 feet to the S
243	NYR000005074	CCNY - PARK GYMNASIUM	77 CONVENT AVE	614 feet to the ENE

Chemical Bulk Storage Facilities -- Total Sites - 1 **Database searched at 1/8 MILE - ASTM required search distance: Property & Adjacent**

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
244	2-000288	AMSTERDAM BUS DEPOT	1381 AMSTERDAM AVENUE	257 feet to the SSW

Toxic Release Inventory Sites -- Total Sites - 1 **Database searched at 1/8 MILE - Non-ASTM Database**

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
245	10027MSTRD1381A	AMSTERDAM BUS DEPOT	1381 AMSTERDAM AVE.	257 feet to the SSW

Air Discharge Sites -- Total Sites - 1 **Database searched at 1/8 MILE - Non-ASTM Database**

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
246	36061HA0PX	NYCTA - AMSTERDAM BUS DEPOT	1381 AMSTERDAM AVENUE	257 feet to the SSW

Identified Toxic Sites by Proximity

487 West 129th Street, New York, NY 10027

* Compass directions can vary substantially for sites located very close to the subject property address.

Map Id#	Site Name	Site Street	Approximate Distance & Direction From Property	Toxic Site Category
81	W 130 ST BETWEEN	CONVENT AV & AMSTERDAM AV	121 feet to the NNE*	Closed Status Spill (Unk/Other Cause)
210	1405 AMSTERDAM AVENUE	1405 AMSTERDAM AVENUE	135 feet to the W*	Petroleum Bulk Storage Site
211	48 CONVENT AVE.	48 CONVENT AVE.	213 feet to the ESE	Petroleum Bulk Storage Site
59	AMSTERDAM DEPOT	1381 AMSTERDAM AVENUE	240 feet to the SSW	Closed Status Tank Test Failure
82	AMSTERDAM DEPOT	1381 AMSTERDAM AVENUE	240 feet to the SSW	Closed Status Spill (Unk/Other Cause)
179	AMSTERDAM BUS DEPOT	1381 AMSTERDAM AV	240 feet to the SSW	Closed Status Spill (Misc. Spill Cause)
180	AMSTERDAM BUS DEPOT - NYCT	1381 AMSTERDAM AVENUE	240 feet to the SSW	Closed Status Spill (Misc. Spill Cause)
181	AMSTERDAM BUS DEPOT - NYCT	1381 AMSTERDAM AVENUE	240 feet to the SSW	Closed Status Spill (Misc. Spill Cause)
182	AMSTERDAM BUS DEPOT - NYCT	1381 AMSTERDAM AVENUE	240 feet to the SSW	Closed Status Spill (Misc. Spill Cause)
183	AMSTERDAM BUS DEPOT	1381 AMSTERDAM AVE	240 feet to the SSW	Closed Status Spill (Misc. Spill Cause)
184	AMSTERDAM DEPOT	1381 AMSTERDAM AV	240 feet to the SSW	Closed Status Spill (Misc. Spill Cause)
212	AMSTERDAM BUS DEPOT	1381 AMSTERDAM AVENUE	240 feet to the SSW	Petroleum Bulk Storage Site
39	MANHOLE #24661	130TH ST & AMSTERDAM AVE	247 feet to the NNW	Active Haz Spill (Misc. Spill Cause)
232	CONSOLIDATED EDISON	MH24661-130TH & AMSTERDAM	247 feet to the NNW	Hazardous Waste Generator/Transporter
83	IN A PIT	AMSTERDAM AVE & W129TH ST	255 feet to the W	Closed Status Spill (Unk/Other Cause)
84	AMSTERDAM AVE/W 129TH ST	AMSTERDAM AVE W 129TH ST	255 feet to the W	Closed Status Spill (Unk/Other Cause)
185		AMSTERDAM AV/129TH ST	255 feet to the W	Closed Status Spill (Misc. Spill Cause)
233	NYC PARKS & RECREATION	129TH ST & AMSTERDAM AVE	255 feet to the W	Hazardous Waste Generator/Transporter
244	AMSTERDAM BUS DEPOT	1381 AMSTERDAM AVENUE	257 feet to the SSW	Chemical Bulk Storage Facility
245	AMSTERDAM BUS DEPOT	1381 AMSTERDAM AVE.	257 feet to the SSW	Toxic Release Inventory Site
246	NYCTA - AMSTERDAM BUS DEPOT	1381 AMSTERDAM AVENUE	257 feet to the SSW	Air Discharge Site
213	ST PHILIPS ON CONVENT	450 W 131 ST	268 feet to the NE	Petroleum Bulk Storage Site
234	NYCTA	1381 AMSTERDAM AVE	299 feet to the SSW	Hazardous Waste Generator/Transporter
235	NYC CITY COLLEGE	COVENANT AVE & 130TH ST	308 feet to the E	Hazardous Waste Generator/Transporter
214	CONVENT AVENUE FAMILY LIVING CENTER	456 WEST 129TH STREET	349 feet to the SSE	Petroleum Bulk Storage Site
186	462 WEST 129TH STREET	462 WEST 129TH STREET	378 feet to the SSE	Closed Status Spill (Misc. Spill Cause)
215	VERIZON NEW YORK, INC.	460 WEST 129TH STREET	378 feet to the SSE	Petroleum Bulk Storage Site
187	34 CONVENT AVE	34 CONVENT AVE	402 feet to the SSE	Closed Status Spill (Misc. Spill Cause)
216	CONVENT AVE FAMILY	34 CONVENT AVE	402 feet to the SSE	Petroleum Bulk Storage Site
217	PUBLIC SCHOOL 223-MOTT HALL	131ST STREET &	418 feet to the NE	Petroleum Bulk Storage Site
236	NYNEX	129TH STREET AND CONVERT	419 feet to the SE	Hazardous Waste Generator/Transporter
218	THE ST. AGNES HOUSING DEVELOPMENT FUND	41 CONVENT AVENUE	437 feet to the SE	Petroleum Bulk Storage Site
219	MOTT HALL SCHOOL,IS 223	75 CONVENT AVE	440 feet to the ENE	Petroleum Bulk Storage Site
237	NYC BOARD OF EDUCATION	JHS 43 M - 509 W 129TH ST	441 feet to the WNW	Hazardous Waste Generator/Transporter
188	WEST 128TH ST BET AMSTERD	WEST 128TH ST BET AMSTERD	442 feet to the S	Closed Status Spill (Misc. Spill Cause)
220	BENJAMIN THURSTON	465 W 131 ST	443 feet to the NNE	Petroleum Bulk Storage Site
221	1437 AMSTERDAM AVE REALTY INC	405 WEST 131TH STREET	445 feet to the NNE	Petroleum Bulk Storage Site
85	128TH ST & AMSTERDAM AVE	128TH ST / AMSTERDAM AVE	453 feet to the WSW	Closed Status Spill (Unk/Other Cause)
189	128TH ST AT	AMPSTERDAM AVE/AT DEAD ED	453 feet to the WSW	Closed Status Spill (Misc. Spill Cause)
190	AMSTERDAM AVE & 128TH ST	AMSTERDAM AVE & 128TH ST	453 feet to the WSW	Closed Status Spill (Misc. Spill Cause)
238	NYNEX	AMSTERDAM AVE & 128TH ST	453 feet to the WSW	Hazardous Waste Generator/Transporter
222	CHURCH ANNUNCIATION	461 W 131 ST	469 feet to the NNE	Petroleum Bulk Storage Site
223	AUNNUNCIATION CHURCH	88 CONVENT AVE	469 feet to the NNE	Petroleum Bulk Storage Site
224	JUNIOR HIGH SCHOOL 43	509 WEST 129TH STREET	470 feet to the WNW	Petroleum Bulk Storage Site
225	1439 AMSTERDAM AVENUE	1439 AMSTERDAM AVENUE	471 feet to the NNE	Petroleum Bulk Storage Site

226	33 CONVENT AVENUE HDFC	29-33 CONVENT AVENUE	538 feet to the SE	Petroleum Bulk Storage Site
227	PUBLIC SCHOOL 129 - MANHATTAN	425 WEST 130TH STREET	546 feet to the E	Petroleum Bulk Storage Site
228	418 WEST 130TH LLC	418 WEST 130TH STREET	552 feet to the ESE	Petroleum Bulk Storage Site
239	NYC BOARD OF EDUCATION - PS 129	425 W 130TH STREET	558 feet to the E	Hazardous Waste Generator/Transporter
229	CONVENT REALTY LLC	90 CONVENT AVENUE	574 feet to the NNE	Petroleum Bulk Storage Site
240	CONSOLIDATED EDISON	VS5942-AMERSTAM ST & 126TH ST	583 feet to the SW	Hazardous Waste Generator/Transporter
241	CONSOLIDATED EDISON	VS5942 - AMERSTAM & 126TH	583 feet to the SW	Hazardous Waste Generator/Transporter
242	BETANCOURT PROPERTY	458 WEST 128TH ST	591 feet to the S	Hazardous Waste Generator/Transporter
230	129 STREET REALTY CORP.	419 WEST 129TH STREET	600 feet to the SE	Petroleum Bulk Storage Site
243	CCNY - PARK GYMNASIUM	77 CONVENT AVE	614 feet to the ENE	Hazardous Waste Generator/Transporter
16	420-418 WEST 129TH ST.	420 WEST 129TH ST.	630 feet to the SE	Active Haz Spill (Unknown/Other Cause)
231	418 WEST 129 STREET	418 WEST 129TH STREET	630 feet to the SE	Petroleum Bulk Storage Site
191	ST MARY CENTER	516 WEST 126TH ST	646 feet to the WSW	Closed Status Spill (Misc. Spill Cause)
192	GROUND	516 WEST 126TH ST	646 feet to the WSW	Closed Status Spill (Misc. Spill Cause)
86	26 PRECINCT NYPD -DDC	520 WEST 126TH STREET	661 feet to the WSW	Closed Status Spill (Unk/Other Cause)
87	CONVENT AVE & 128TH STR	2125 CONVENT AVENUE	685 feet to the SSE	Closed Status Spill (Unk/Other Cause)
17	408-410 WEST 130TH ST.	408-410 WEST 130TH ST.	692 feet to the ESE	Active Haz Spill (Unknown/Other Cause)
88	408 WEST 130TH STREET	408 WEST 130TH STREET	692 feet to the ESE	Closed Status Spill (Unk/Other Cause)
193	1345 AMSTERDAM AVE.	1345 AMSTERDAM AVENUE	730 feet to the SW	Closed Status Spill (Misc. Spill Cause)
89	419 WEST 128TH STREET	419 WEST 128TH STREET	732 feet to the SE	Closed Status Spill (Unk/Other Cause)
90	419 W. 128TH STREET	419 W. 128TH STREET	732 feet to the SE	Closed Status Spill (Unk/Other Cause)
47	MT. WILSON PARTNERS APTS.	412 W.129TH STREET	740 feet to the SE	Closed Status Tank Failure
18	MANHATTANVILLE HOUSING -NYCHA	1430 AMSTERDAM AVENUE	771 feet to the NNW	Active Haz Spill (Unknown/Other Cause)
60	MANHATTANVILLE	1430 AMSTERDAM AV	771 feet to the NNW	Closed Status Tank Test Failure
61	MANHATTANVILLE	1430 AMSTERDAM AVENUE	771 feet to the NNW	Closed Status Tank Test Failure
62	MANHATTANVILLE HOUSES -NYCHA	1430 AMSTERDAM AVENUE	771 feet to the NNW	Closed Status Tank Test Failure
63	MANHATTANVILLE -NYCHA	1430 AMSTERDAM AVENUE	771 feet to the NNW	Closed Status Tank Test Failure
64	MANHATTANVILLE HOUSES -NYCHA	1430 AMSTERDAM AVENUE	771 feet to the NNW	Closed Status Tank Test Failure
91	1430 AMSTERDAM AVE/MANH	1430 AMSTERDAM AVENUE	771 feet to the NNW	Closed Status Spill (Unk/Other Cause)
92	1430 AMSTERDAM AVE/MANH	1430 AMSTERDAM AVENUE	771 feet to the NNW	Closed Status Spill (Unk/Other Cause)
93	MANHATTANVILLE -NYCHA	1430 AMSTERDAM AVENUE	771 feet to the NNW	Closed Status Spill (Unk/Other Cause)
194	MANHATTANVILLE	1430 AMSTERDAM AVE	771 feet to the NNW	Closed Status Spill (Misc. Spill Cause)
195	MANHATTANVILLE	1430 AMSTERDAM AVE	771 feet to the NNW	Closed Status Spill (Misc. Spill Cause)
196	MANHATTANVILLE	549 WEST 126TH STREET	771 feet to the NNW	Closed Status Spill (Misc. Spill Cause)
19		1346 AMSTERDAM AVE	784 feet to the SW	Active Haz Spill (Unknown/Other Cause)
94	SERVICE BOX 20506	465 WEST 125TH ST	829 feet to the SSW	Closed Status Spill (Unk/Other Cause)
5	411 W 128TH ST	411 W 128TH ST	833 feet to the SE	Active Tank Failure
95		545 WEST 125TH STREET	864 feet to the W	Closed Status Spill (Unk/Other Cause)
96	SERVICE BOX 55632	FRONT OF 469 W.125TH ST	880 feet to the SW	Closed Status Spill (Unk/Other Cause)
65	NYC HPD	453 WEST 125TH ST	888 feet to the SSW	Closed Status Tank Test Failure
97	STREET	AMSTERDAM AV & W 125TH	889 feet to the SW	Closed Status Spill (Unk/Other Cause)
98	133RD ST & CONVENT AV	133RD ST & CONVENT AV	902 feet to the NNE	Closed Status Spill (Unk/Other Cause)
12	CITY COLLEGE OF NY	W 135TH STREET &	917 feet to the NE	Active Tank Test Failure
99	CITY COLLEGE	141 CONVENT AVE	917 feet to the NE	Closed Status Spill (Unk/Other Cause)
48	MANHATTANVILLE	W 133RD ST & AMSTERDAM AV	920 feet to the NNE	Closed Status Tank Failure
197	PS 161	499 W 133RD ST	1025 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
6	APARTMENT	1484 AMSTERDAM AVE	1043 feet to the N	Active Tank Failure
7	MOBIL S/S	3260 BROADWAY	1098 feet to the NW	Active Tank Failure
100	U-HAUL	3270 BROADWAY	1111 feet to the NNW	Closed Status Spill (Unk/Other Cause)
101		W 126TH ST 11TH AVE	1120 feet to the WNW	Closed Status Spill (Unk/Other Cause)
66	APARTMENT BUILDING	8 ST NICHOLAS TERRACE	1131 feet to the SE	Closed Status Tank Test Failure
67	GRANT HOUSES -NYCHA	1320 AMSTERDAM AVE	1150 feet to the WSW	Closed Status Tank Test Failure
68	GRANT HOUSES -NYCHA	1320 AMSTERDAM AVE	1150 feet to the WSW	Closed Status Tank Test Failure

40	BROADWAY/W. 131ST ST	BROADWAY N/O W. 131ST ST	1174 feet to the NW	Active Haz Spill (Misc. Spill Cause)
20	FEEDER M52	TIEMAN PL & BROADWAY	1182 feet to the W	Active Haz Spill (Unknown/Other Cause)
102	MANHOLE 57843	125TH ST & BROADWAY	1182 feet to the W	Closed Status Spill (Unk/Other Cause)
103	ENGINE CO. 037/LADD. CO. 40 FDNY -DDC	415 WEST 125TH STREET	1182 feet to the S	Closed Status Spill (Unk/Other Cause)
13	FORMER WOLF AMOCO STATION	3225 BROADWAY	1243 feet to the WNW	Active Tank Test Failure
69	AMOCO	3225 BROADWAY	1243 feet to the WNW	Closed Status Tank Test Failure
49	501 WEST 134TH ST	501 WEST 134TH ST	1261 feet to the NNE	Closed Status Tank Failure
41	FEEDER M51/52	BROADWAY/TIEMANN ST	1279 feet to the W	Active Haz Spill (Misc. Spill Cause)
104	MANHOLE #61734S	BROADWAY & TIEMAN PLACE	1279 feet to the W	Closed Status Spill (Unk/Other Cause)
105	MANHOLE#47018	TIEMANA PLACE/BROADWAY	1279 feet to the W	Closed Status Spill (Unk/Other Cause)
42	BROADWAY/W. 132ND ST	BROADWAY S/O W. 132ND ST	1284 feet to the NNW	Active Haz Spill (Misc. Spill Cause)
106	MANHOLE 6016	E 132 ST/BROADWAY	1284 feet to the NNW	Closed Status Spill (Unk/Other Cause)
107	FEEDER M52	W.132ND ST/BROADWAY	1284 feet to the NNW	Closed Status Spill (Unk/Other Cause)
108	MANHOLE #61799	BROADWAY & 132ND ST	1284 feet to the NNW	Closed Status Spill (Unk/Other Cause)
198	132ND ST AND BROADWAY	132ND ST AND BROADWAY	1284 feet to the NNW	Closed Status Spill (Misc. Spill Cause)
109	VERIZON	603 WEST 130TH STREET	1334 feet to the NW	Closed Status Spill (Unk/Other Cause)
110	VAULT 3098	603-11 W 129TH ST	1348 feet to the WNW	Closed Status Spill (Unk/Other Cause)
8	619 W 125TH ST	619 W 125TH ST	1370 feet to the WNW	Active Tank Failure
111	MERCURY SPILL CITY OWNED SITE	150 CONVENT AVE	1374 feet to the NNE	Closed Status Spill (Unk/Other Cause)
70	NYC HOUSING COMPLEX	504 WEST 135TH ST	1410 feet to the N	Closed Status Tank Test Failure
199	3167 BROADWAY	3167 BROADWAY	1426 feet to the W	Closed Status Spill (Misc. Spill Cause)
200	ADJACENT TO VAULT #9034	2437 8TH AVE	1430 feet to the ESE	Closed Status Spill (Misc. Spill Cause)
201	VAULT 9034	2437 8TH AVE	1430 feet to the ESE	Closed Status Spill (Misc. Spill Cause)
112	CONED MANHOLE#27844	WEST 133RD/BROADWAY	1432 feet to the NNW	Closed Status Spill (Unk/Other Cause)
2	ASHLAND CHEMICAL CORP	609 W 131ST ST	1452 feet to the NW	RCRA Corrective Action Site
4	ASHLAND CHEMICAL CORP	609 W 131ST ST	1452 feet to the NW	Hazardous Waste Treat, Storage, Disposal
71		80 LASALLE ST	1499 feet to the WSW	Closed Status Tank Test Failure
72	80 LASALLE ST	80 LASALLE ST	1499 feet to the WSW	Closed Status Tank Test Failure
202	IN ROADWAY	80 LASALLE STREET	1499 feet to the WSW	Closed Status Spill (Misc. Spill Cause)
203		301 ST NICHOLAS AVE	1506 feet to the SSE	Closed Status Spill (Misc. Spill Cause)
73	HPD	527 W.134TH ST	1510 feet to the N	Closed Status Tank Test Failure
21	COLUMBIA UNIVERSITY	615 WEST 131ST STREET LLC	1561 feet to the NW	Active Haz Spill (Unknown/Other Cause)
43	DASNY	W.135TH ST & ST NICHOLAS	1568 feet to the NE	Active Haz Spill (Misc. Spill Cause)
22	SKYLINE WINDOWS	625 WEST 130TH ST	1615 feet to the NW	Active Haz Spill (Unknown/Other Cause)
23	BROADWAY	LASALLE AV	1629 feet to the WSW	Active Haz Spill (Unknown/Other Cause)
113	FEEDER M52	BROADWAY & LA SALLE AVE	1629 feet to the WSW	Closed Status Spill (Unk/Other Cause)
114	MANHOLE #28707	LASALLE ST & BROADWAY	1629 feet to the WSW	Closed Status Spill (Unk/Other Cause)
74	637 WEST 125TH ST/MANH	637 WEST 125TH STREET	1649 feet to the WNW	Closed Status Tank Test Failure
115	125ST	ST NICHOLAS AVE	1653 feet to the SSE	Closed Status Spill (Unk/Other Cause)
116	NEW YORK CITY BOARD OF ED	425 WEST 123RD STREET	1674 feet to the SSW	Closed Status Spill (Unk/Other Cause)
117	PS 125	WEST 123RD ST	1674 feet to the SSW	Closed Status Spill (Unk/Other Cause)
3	CE - W. 132ND ST. STATION	12TH AVE. BETWEEN W.131ST - W. 133RD STS.	1717 feet to the NW	Brownfields Site
24	MANHOLE IN FRONT OF	433 WEST 123RD ST	1726 feet to the SSW	Active Haz Spill (Unknown/Other Cause)
25	APART	480 ST NICHOLOS AVE	1745 feet to the E	Active Haz Spill (Unknown/Other Cause)
26	W132NS ST PURS UNIT R4 (M52S)	630 WEST 132ND STREET	1751 feet to the NW	Active Haz Spill (Unknown/Other Cause)
27	W 132NS ST PURS UNIT R2 (M52N)	WEST 132ND ST	1751 feet to the NW	Active Haz Spill (Unknown/Other Cause)
44	132ND ST COOLING PLANT	132ND ST COOLING PLANT	1751 feet to the NW	Active Haz Spill (Misc. Spill Cause)
50	WEST 132ND PURRS PLANT	630 WEST 132ND STREET	1751 feet to the NW	Closed Status Tank Failure
118	W 132ND ST PURS UNIT R3 (M51S)	630 WEST 132ND STREET	1751 feet to the NW	Closed Status Spill (Unk/Other Cause)
119	PURS	WEST 132ND ST	1751 feet to the NW	Closed Status Spill (Unk/Other Cause)
204	W 132ND ST PURS	630 WEST 132ND STREET	1751 feet to the NW	Closed Status Spill (Misc. Spill Cause)
14	WARREN ELECTRICAL SUPPLY	641 WEST 131ST ST	1793 feet to the NW	Active Tank Test Failure
120	VAULT 5606	554 RIVERSIDE DR	1800 feet to the WNW	Closed Status Spill (Unk/Other Cause)

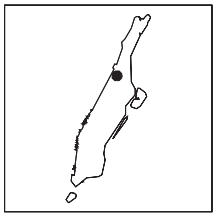
121	SOUTHWEST CORNER	135TH ST & BROADWAY	1819 feet to the N	Closed Status Spill (Unk/Other Cause)
122	UNK	215 W.127TH ST.	1824 feet to the SE	Closed Status Spill (Unk/Other Cause)
9	MANHATTANVILLE DEPOT --NYCT	666 W.133TH ST	1825 feet to the NW	Active Tank Failure
28	MANHATTANVILLE DEPOT -NYCT	666 WEST 133RD STREET	1825 feet to the NW	Active Haz Spill (Unknown/Other Cause)
29	MANHATTENVILLE DEPOT	666 WEST 133RD STREET	1825 feet to the NW	Active Haz Spill (Unknown/Other Cause)
30	MANHATTAN DEPOT - VAULT -NYCT	666 WEST 133RD STREET	1825 feet to the NW	Active Haz Spill (Unknown/Other Cause)
75	MANHATTENVILLE BUS DEPOT	666 WEST 132ND ST	1825 feet to the NW	Closed Status Tank Test Failure
76	MANHATTANVILLE DEPOT	666 WEST 133RD STREET	1825 feet to the NW	Closed Status Tank Test Failure
123	MANHATTANVILLE BUS DEPOT	666 WEST 132ND ST	1825 feet to the NW	Closed Status Spill (Unk/Other Cause)
124	MANHATTANVILLE DEPOT	666 WEST 132ND ST	1825 feet to the NW	Closed Status Spill (Unk/Other Cause)
125	MANHATTANVILLE BUS DEPOT	666 WEST 133RD ST	1825 feet to the NW	Closed Status Spill (Unk/Other Cause)
126	MANHATTANVILLE DEPOT	666 WEST 133RD STREET	1825 feet to the NW	Closed Status Spill (Unk/Other Cause)
127	MANHATTANVILLE DEPOT	666 WEST 133RD STREET	1825 feet to the NW	Closed Status Spill (Unk/Other Cause)
128	MANHATTANVILLE BUS DEPOT	666 WEST 133RD STREET	1825 feet to the NW	Closed Status Spill (Unk/Other Cause)
129	MANHATTANVILLE DEPOT -NYCT	133RD ST.	1825 feet to the NW	Closed Status Spill (Unk/Other Cause)
130	MANHATTANVILLE BUS DEPOT	666 WEST 133RD STREET	1825 feet to the NW	Closed Status Spill (Unk/Other Cause)
131	MANHATTANVILLE BUS DEPOT	666 WEST 133RD STREET	1825 feet to the NW	Closed Status Spill (Unk/Other Cause)
205	MANHATTENVILLE BUS DEPOT	666 WEST 133RD STREET	1825 feet to the NW	Closed Status Spill (Misc. Spill Cause)
206	MANHATTANVILLE DEPOT	666 WEST 133RD STREET	1825 feet to the NW	Closed Status Spill (Misc. Spill Cause)
132	RIVERSIDE PARK COMPLEX	3333 BROADWAY	1877 feet to the NNW	Closed Status Spill (Unk/Other Cause)
133	3333 BROADWAY	3333 BROADWAY	1877 feet to the NNW	Closed Status Spill (Unk/Other Cause)
134	ON STREET	3333 BROADWAY	1877 feet to the NNW	Closed Status Spill (Unk/Other Cause)
135	663 WEST 125TH ST	663 WEST 125TH STREET	1877 feet to the WNW	Closed Status Spill (Unk/Other Cause)
51	YOUNG RESIDENCE	355 W. 123RD ST.	1889 feet to the S	Closed Status Tank Failure
136	BROADWAY SOUTH	122ND ST/LASALLE ST	1897 feet to the WSW	Closed Status Spill (Unk/Other Cause)
137	269 W 133RD STREET	269 W. 133RD STREET	1918 feet to the E	Closed Status Spill (Unk/Other Cause)
31	WATTS	98 MORINGING SIDE AVE	1984 feet to the S	Active Haz Spill (Unknown/Other Cause)
138		8TH AVE & W 125TH ST	1987 feet to the SSE	Closed Status Spill (Unk/Other Cause)
52	UNIVERSITY, MARSHAK BUILDING	137TH STREET	2001 feet to the NE	Closed Status Tank Failure
139	515 W 122ND ST	515 W 122ND ST	2001 feet to the SW	Closed Status Spill (Unk/Other Cause)
32	MANHOLE #60248	12 AVENUE & ST. CLAIR'S PLACE	2019 feet to the WNW	Active Haz Spill (Unknown/Other Cause)
140	MANHOLE#M47173	W. 125TH / 12TH AVE.	2039 feet to the WNW	Closed Status Spill (Unk/Other Cause)
77	JEWISH THEOLOGICAL SEMINARY	3080 BROADWAY	2040 feet to the SW	Closed Status Tank Test Failure
45	BROADWAY/W. 136TH ST.	BROADWAY/W. 136TH ST	2047 feet to the N	Active Haz Spill (Misc. Spill Cause)
141	MANHOLE 3140	WEST 136TH ST & BROADWAY	2047 feet to the N	Closed Status Spill (Unk/Other Cause)
33	FEEDER M52	BROADWAY / 123RD ST	2048 feet to the WSW	Active Haz Spill (Unknown/Other Cause)
142	EXCAVATION	BROADWAY/123RD ST	2048 feet to the WSW	Closed Status Spill (Unk/Other Cause)
34	ONE PINT OIL LEAKING FROM CABLE IN	WEST 130 STREET AT 12 AVENUE.	2049 feet to the WNW	Active Haz Spill (Unknown/Other Cause)
143	SERVICE 47174	W 130TH ST /12TH AVE	2049 feet to the WNW	Closed Status Spill (Unk/Other Cause)
10	PUBLIC SCHOOL 192	500 W 138TH ST	2062 feet to the NNE	Active Tank Failure
53	500 WEST 138TH ST/PS 192	500 WEST 138TH STREET	2062 feet to the NNE	Closed Status Tank Failure
144	PS #192	500 WEST 138TH ST	2062 feet to the NNE	Closed Status Spill (Unk/Other Cause)
145	PUBLIC SCHOOL 24	500 WEST 138TH ST	2062 feet to the NNE	Closed Status Spill (Unk/Other Cause)
146	MANHOLE #58711	WEST 123 ST & MANHATTAN AVE	2075 feet to the S	Closed Status Spill (Unk/Other Cause)
147		540 MANHATTAN AV	2166 feet to the S	Closed Status Spill (Unk/Other Cause)
148	APT BUILDING	540 MANHATTAN AVE	2166 feet to the S	Closed Status Spill (Unk/Other Cause)
149	FORMER GAS STATION	FREDERICK DOUGLASS BLVD	2171 feet to the SSE	Closed Status Spill (Unk/Other Cause)
150		2276 12TH AV	2180 feet to the WNW	Closed Status Spill (Unk/Other Cause)
78	CCNY BUILDING	152-236 CONVENT AVE	2198 feet to the NNE	Closed Status Tank Test Failure
151	509 WEST 121ST ST	509 WEST 121ST ST	2243 feet to the SW	Closed Status Spill (Unk/Other Cause)
152	138TH ST & AMSTERDAM AVE	138TH ST & AMSTERDAM AVE	2252 feet to the NNE	Closed Status Spill (Unk/Other Cause)
153	SPILL IS IN REGION 2	NOT IN REG 3	2267 feet to the N	Closed Status Spill (Unk/Other Cause)
154	137TH ST & BROADWAY/CONED	137TH ST AND BROADWAY	2267 feet to the N	Closed Status Spill (Unk/Other Cause)

155	137TH STREET AND BROADWAY	7TH AVENUE STOP / SUBWAY	2267 feet to the N	Closed Status Spill (Unk/Other Cause)
156	MANHOLE #24608	W 121ST & AMSTERDAM AV	2275 feet to the SSW	Closed Status Spill (Unk/Other Cause)
157	MAN HOLE #24608	W 121ST ST & AMSTERDAM AV	2275 feet to the SSW	Closed Status Spill (Unk/Other Cause)
207	121ST & AMSTERDAM AVE	121ST ST & AMSTERDAM AVE	2275 feet to the SSW	Closed Status Spill (Misc. Spill Cause)
158	222 W.134 ST. MANHATTAN/#	222 W. 134 ST.	2278 feet to the E	Closed Status Spill (Unk/Other Cause)
208		527 1/2 MANHATTAN AVE	2293 feet to the S	Closed Status Spill (Misc. Spill Cause)
54	344 WEST 122ND STREET	344 WEST 122ND STREET	2295 feet to the S	Closed Status Tank Failure
35	OPEN TRENCH	W 122 ST/MANHATTAN AVE	2299 feet to the S	Active Haz Spill (Unknown/Other Cause)
55	636 ASSETS INC	636 W 136TH ST	2299 feet to the NNW	Closed Status Tank Failure
159	CHURCH	219 WEST 132ND STREET	2316 feet to the E	Closed Status Spill (Unk/Other Cause)
160	125TH ST. & HUDSON RIVER	125TH ST. / HUDSON RIVER	2318 feet to the WNW	Closed Status Spill (Unk/Other Cause)
161	SERVICE BOX # 51888	WEST 125 STREET & MARGINAL ST	2318 feet to the WNW	Closed Status Spill (Unk/Other Cause)
162	1 QT FUEL OIL IN SERVICE BOX #68518	WEST 125 & MARGINAL STREETS	2318 feet to the WNW	Closed Status Spill (Unk/Other Cause)
163	OPEN EXCAVATION	203 WEST 131ST ST	2343 feet to the ESE	Closed Status Spill (Unk/Other Cause)
11	TEACHERS COLLEGE	106 MORNING SIDE DRIVE	2351 feet to the SSW	Active Tank Failure
56	COLLEGE BUILDING	106 MORNING SIDE DRIVE	2351 feet to the SSW	Closed Status Tank Failure
36	MANHOLE 57772	12TH AV/NW 135TH ST	2363 feet to the NNW	Active Haz Spill (Unknown/Other Cause)
57	28TH PRECINCT NYPD -DDC	2271-89 EIGHTH AVE	2389 feet to the S	Closed Status Tank Failure
15	32ND PERC. NYPD	135TH ST HARLEM	2406 feet to the E	Active Tank Test Failure
164	32 PRECINCT NYPD -DDC	250 WEST 135TH STREET	2406 feet to the E	Closed Status Spill (Unk/Other Cause)
165	CARIB AUTO SHOP	1590 AMSTERDAM AVE	2442 feet to the NNE	Closed Status Spill (Unk/Other Cause)
166	IN FRONT OF	1592 AMSTERDAM AVE.	2442 feet to the NNE	Closed Status Spill (Unk/Other Cause)
167	JUAN MARRERO	2248 7TH AVENUE	2471 feet to the E	Closed Status Spill (Unk/Other Cause)
168	302 WEST 122TH ST.	302 WEST 122TH ST.	2481 feet to the S	Closed Status Spill (Unk/Other Cause)
37	207 CONVENT AVE	207 CONVENT AVE	2482 feet to the NE	Active Haz Spill (Unknown/Other Cause)
169	APT BLDG	35 HAMILTON PLACE	2490 feet to the N	Closed Status Spill (Unk/Other Cause)
170	136TH ST & RIVERSIDE DR	136TH ST & RIVERSIDE DR	2500 feet to the NNW	Closed Status Spill (Unk/Other Cause)
171	W 136TH ST/RIVERSIDE AVE	W 136TH ST/RIVERSIDE AVE	2500 feet to the NNW	Closed Status Spill (Unk/Other Cause)
172	TM #1893	WEST 131ST STREET AND 7TH	2513 feet to the ESE	Closed Status Spill (Unk/Other Cause)
46	MANHOLE # 44896	SE CORNER OF W 128TH/7TH	2518 feet to the SE	Active Haz Spill (Misc. Spill Cause)
173	MANHOLE 44896	W 128TH ST & 7TH AV	2518 feet to the SE	Closed Status Spill (Unk/Other Cause)
38	SHELL GAS STATION	235 ST NICHOLOS AVE	2525 feet to the S	Active Haz Spill (Unknown/Other Cause)
79	235 ST NICHOLAS AVE	235 ST NICHOLAS AVENUE	2525 feet to the S	Closed Status Tank Test Failure
80	SHELL	235 ST NICHOLAS AV	2525 feet to the S	Closed Status Tank Test Failure
174	SHELL SERVICE #13876	235 ST NICHOLOS AVE	2525 feet to the S	Closed Status Spill (Unk/Other Cause)
175	GRANTS TOMB	GRANTS TOMB	2548 feet to the WSW	Closed Status Spill (Unk/Other Cause)
58	UPTOWN REALITY	222-224/226-228 W.125TH	2557 feet to the SSE	Closed Status Tank Failure
209	238 WEST 136TH ST	238 WEST 136TH ST	2584 feet to the E	Closed Status Spill (Misc. Spill Cause)
176		224 W 135TH ST	2586 feet to the E	Closed Status Spill (Unk/Other Cause)
177	UNK	232 W. 136TH ST.	2625 feet to the E	Closed Status Spill (Unk/Other Cause)
178		515 WEST 139TH ST	2635 feet to the NNE	Closed Status Spill (Unk/Other Cause)
1	2350 FIFTH AVE., NEW YORK (AKA, PS 141)	2350 FIFTH AVENUE	5251 feet to the E	NYSDEC Inactive Haz Waste Disposal Site

Toxics Targeting
1 Mile Radius Map

487 West 129th Street
New York, NY 10027

N
W
E
S



New York County

National Priority List (NPL)

Inactive Hazardous Waste Disposal Registry Site

Inact. Haz Waste Disp. Registry Qualifying

RCRA Corrective Action Facility

Site Location

Waterbody

County Border

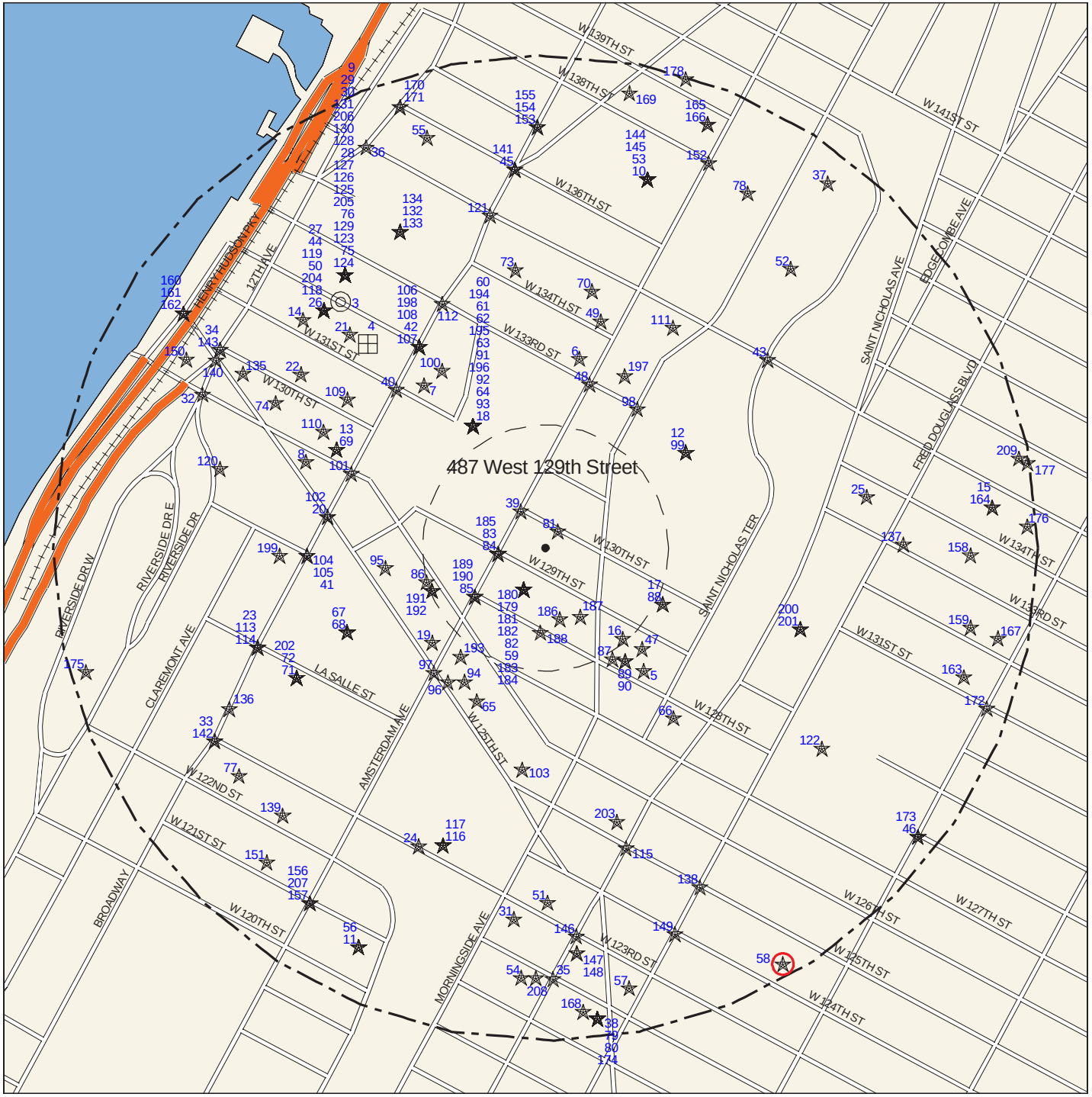
Railroad Tracks

1 Mile Radius

1/2 Mile Radius

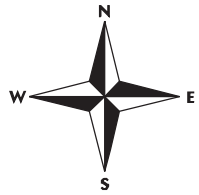
1/4 Mile Radius

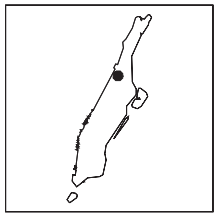
1/8 Mile Radius



Toxics Targeting
1/2 Mile Radius Map

487 West 129th Street
New York, NY 10027





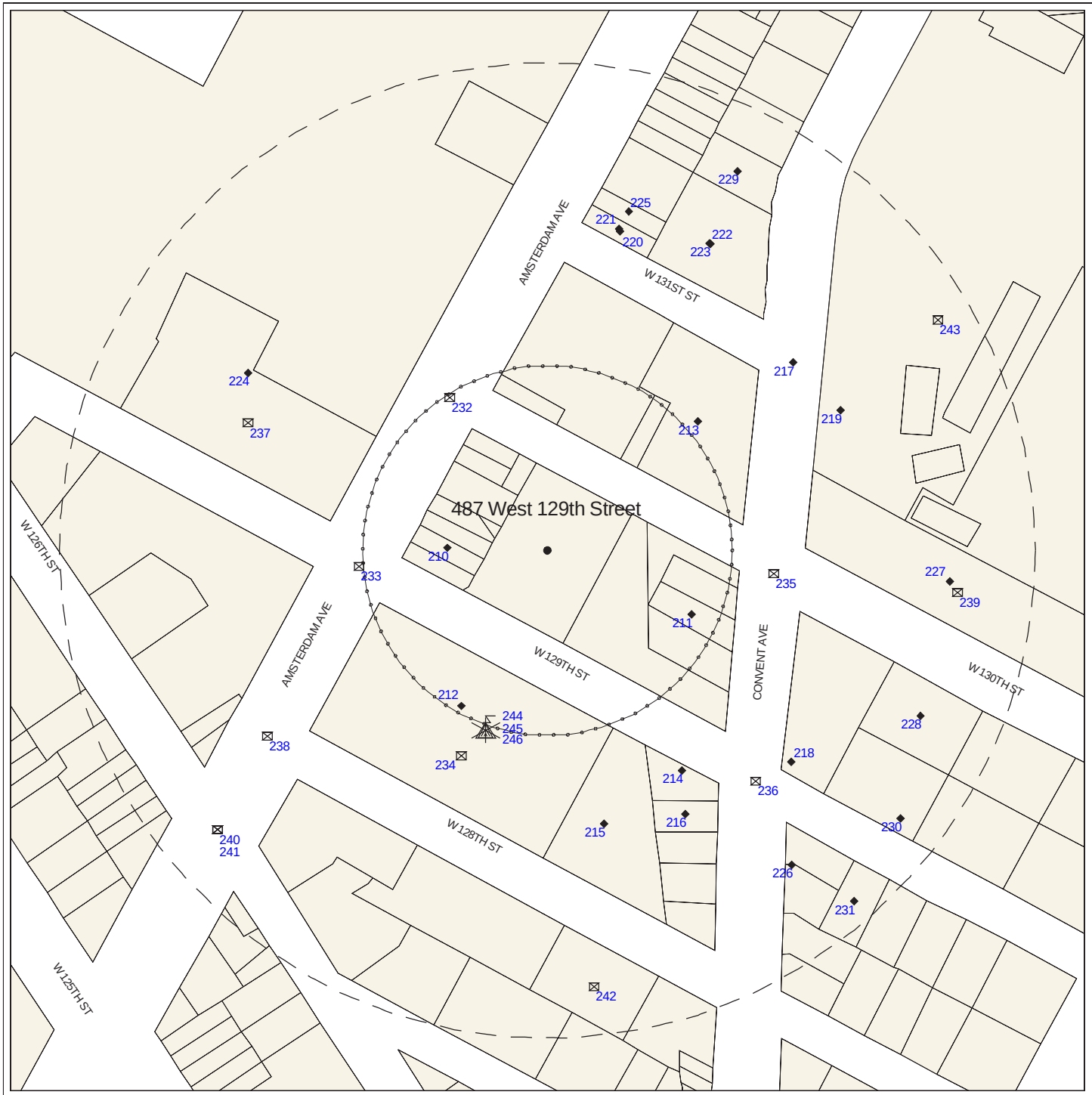
New York County

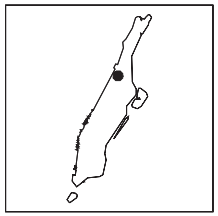
- Delisted NPL Site
- CERCLIS Superfund Non-NFRAP Site
- CERCLIS Superfund NFRAP Site
- Hazardous Waste Treater, Storer, Disposer
- Hazardous Substance Waste Disposal Site
- Solid Waste Facility
- Brownfields Site
- Hazardous Material Spill
- MTBE Gasoline Additive Spill

- Site Location
- Waterbody
- County Border
- Railroad Tracks
- 1 Mile Radius
- 1/2 Mile Radius
- 1/4 Mile Radius
- 1/8 Mile Radius

Toxics Targeting
1/8 Mile Radius Map

487 West 129th Street
New York, NY 10027





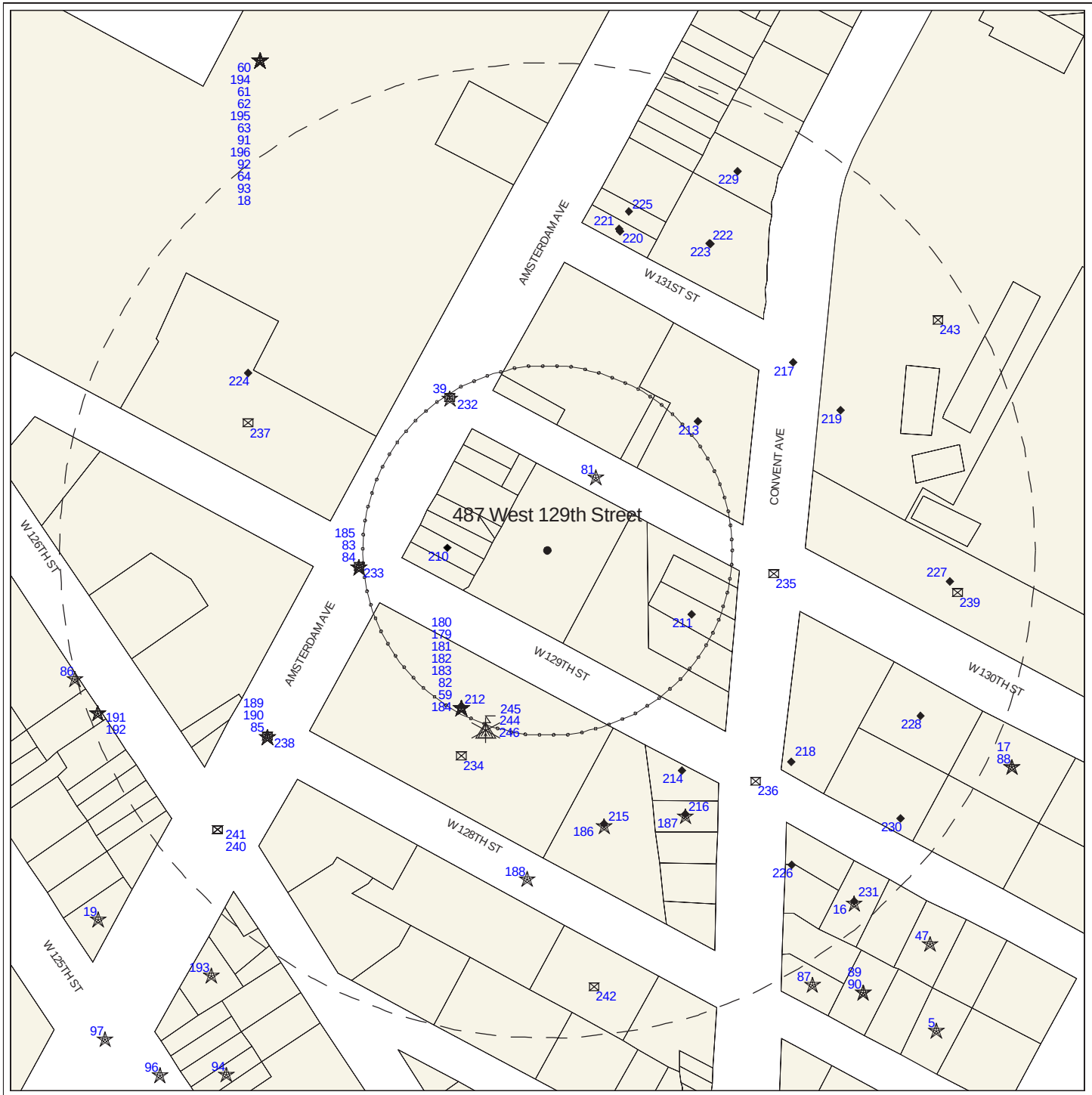
New York County

- Major Oil Storage Facility
- Chemical Storage Facility
- Toxic Release
- Wastewater Discharge
- Hazardous Waste Generator, Transp.
- Enforcement Docket Facility
- Air Release
- Env Qual Review E Designation
- Petroleum Bulk Storage Facility
- Historic Utility Site

- Site Location
- County Border
- 1/8 Mile Radius
- Waterbody
- Railroad Tracks
- 250 Foot Radius

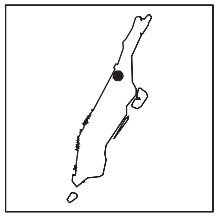
1/8 0 1/16 1/8

Distance in Miles



Toxics Targeting
1/8 Mile Closeup Map

487 West 129th Street
New York, NY 10027



New York County

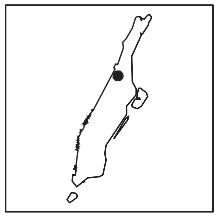
- National Priority List (NPL) *
- Delisted NPL Site **
- CERCLIS Superfund Non-NFRAP Site **
- CERCLIS Superfund NFRAP Site **
- Inactive Hazardous Waste Disposal Registry Site *
- Inact. Haz Waste Disp. Registry Qualifying *
- Hazardous Waste Treater, Storer, Disposer **
- RCRA Corrective Action Facility *
- Hazardous Substance Waste Disposal Site **
- Solid Waste Facility **
- Major Oil Storage Facility ****
- Brownfields Site **
- Chemical Storage Facility ****
- Hazardous Material Spill **
- Toxic Release ****
- MTBE Gasoline Additive Spill **
- Wastewater Discharge ****
- Petroleum Bulk Storage Facility ****
- Hazardous Waste Generator, Transp. ****
- Historic Utility Site ****
- Enforcement Docket Facility ****
- Air Release ****
- Env Qual Review E Designation *****

- Site Location
- Waterbody
- County Border
- Railroad Tracks
- 1/8 Mile Radius
- 250 Foot Radius

* 1 Mile Search Radius
** 1/2 Mile Search Radius
**** 1/8 Mile Search Radius
***** Onsite Search (250 Ft)

Toxics Targeting Tax Parcel Map

487 West 129th Street
New York, NY 10027



New York County

- National Priority List (NPL)
- Delisted NPL Site
- CERCLIS Superfund Non-NFRAP Site
- CERCLIS Superfund NFRAP Site
- Inactive Hazardous Waste Disposal Registry Site
- Inact. Haz Waste Disp. Registry Qualifying
- Hazardous Waste Treater, Storer, Disposer
- RCRA Corrective Action Facility
- Hazardous Substance Waste Disposal Site
- Solid Waste Facility
- Major Oil Storage Facility
- Brownfields Site
- Chemical Storage Facility
- Hazardous Material Spill
- Toxic Release
- MTBE Gasoline Additive Spill
- Wastewater Discharge
- Petroleum Bulk Storage Facility
- Hazardous Waste Generator, Transp.
- Historic Utility Site
- Enforcement Docket Facility
- Air Release
- Env Qual Review E Designation

- Site Location
- Waterbody
- County Border
- Railroad Tracks

Tax Parcel Information Table

487 West 129th Street
New York, NY 10027

Subject Parcel or Parcels

BBL #	Address	Owner	Zoning District(s)	Building Class	# of Buildings	Year Built	Assessment	Lot Area
1-01969-0005	487 WEST 129 STREET	METRO OPERA ASSOC	M1-1	E1	1	1900	428850	29850

Other Parcels Found On The Tax Parcel Map

BBL #	Address	Owner	Zoning District(s)	Building Class	# of Buildings	Year Built	Assessment	Lot Area
1-01968-0001	1381 AMSTERDAM AVENUE	DEPT OF TRANSPORTATIO	M1-1	T9	1	1968	2677500	73225
1-01968-0016	451 WEST 128 STREET	CONVAM GARAGE COMPANY	M1-1 R7-2	G9	1	1924	670500	24191
1-01968-0027	36 CONVENT AVENUE	36 CONVENT AVENUE HOU	R7-2	C1	1	1926	216000	4600
1-01969-0001	1403 AMSTERDAM AVENUE	NEIGHBORHOOD PARTNERSR	7-2	C7	1	1910	172350	2486
1-01969-0002	1405 AMSTERDAM AVENUE	NEIGHBORHOOD PARTNERSR	7-2	C7	1	1910	150300	2500
1-01969-0003	1407 AMSTERDAM AVENUE	NEIGHBORHOOD PARTNERSR	7-2	C7	1	1910	150300	2500
1-01969-0004	1409 AMSTERDAM AVENUE	NEIGHBORHOOD PARTNERSR	7-2	C7	1	1910	53056	2158
1-01969-0012	38 CONVENT AVENUE	CONVENT AVENUE PARTNE	M1-1 R7-2	E1	1	1905	185850	21814
1-01969-0019	44 CONVENT AVENUE	HERITAGE HEALTH & HOU	R7-2 M1-1	V1	0		100800	6579
1-01969-0065	48 CONVENT AVENUE	HOUSING PRESERVATION	R7-2 M1-1	C1	1	1910	173700	4914
1-01969-0066	50 CONVENT AVENUE	HOUSING PRESERVATION	R7-2 M1-1	C1	1	1910	199800	4400
1-01969-0068	CONVENT AVENUE	DAVID MANESH	M1-1 R7-2	V9	0		58950	3902
1-01969-0078	498 WEST 130 STREET	LAND HOLDING INC.	R7-2	V1	0		17685	1246
1-01969-0079	1417 AMSTERDAM AVENUE	WEST HARLEM RENAISSAN	R7-2	S3	1	1910	47015	1863
1-01969-0080	1415 AMSTERDAM AVENUE	CITY OF NEW YORK	R7-2	M1	1	1920	52650	1875
1-01969-0081	1413 AMSTERDAM AVENUE	1411 AMSTERDAM AVE AS	R7-2	C7	2	1901	246150	5009
1-01969-0104	AMSTERDAM AVENUE	DEPT OF GENERAL SERVI	R7-2	V9	0		194	342
1-01970-0001	499 WEST 130 STREET	499 WEST 130 STREET H	R7-2	C6	1	1901	175950	2492
1-01970-0002	1423 AMSTERDAM AVENUE	LOGAN PLAZA ASSOC	R7-2	D1	1	1988	4468500	34978
1-01970-0009	489 WEST 130 STREET	LOGAN PLAZA ASSOCIATE	R7-2	V0	0		4800	2498
1-01970-0016	70 CONVENT AVENUE	'ST PHILIP''S ON CONVEN'	R7-2	D1	2	1926	1471500	30282
1-01984-0001	1470 AMSTERDAM AVENUE	NYC HOUSING AUTHORITY	R7-2	D3	6	1959	32805000	534775
1-01984-0033	1400 AMSTERDAM AVENUE	BOARD OF EDUCATION	R7-2	W1	1	1936	2965500	52975

Section Two: Toxic Site Profiles

The heading of each *Toxic Site Profile* refers to the site's map location and details:

- The facility name, address, city, state, and zip code (This information does not appear in the headings for Inactive Hazardous Waste Disposal Sites).
- Any changes that were made to a site's address in order to map its location.
- The site mapping method that was used (see ***How Sites are Located***, at the end of this section for more information).

Toxic Site Profiles summarize information provided by site owners or operators and government agencies regarding various toxic chemical activities reported at each site, such as:

- Whether chemicals were stored, produced, transported, discharged or disposed of.
- The name of chemicals and their Chemical Abstract Series (CAS) numbers;
- The amount of chemicals and the units (gallons/pounds) the chemical was measured in.
- Whether the site or storage tanks at the site are currently active or inactive.
- Special codes used by government agencies to regulate hazardous waste activities at some sites (A complete description of the codes follows the profiles section).

For selected individual chemicals reported at various toxic sites, some potential health effect summary information appears below the site profile. Each potential health effect summary identifies chemicals by name and by Chemical Abstract Series (CAS) Number. An "x" under each potential health effect heading indicates positive toxicity testing results reported by the National Institute of Occupational Safety and Health's Registry of Toxic Effects of Chemical Substances (RTECS). Some chemicals (mostly appearing in profiles of Hazardous Waste facilities), are reported as mixtures, and RTECS health effect information is only available for individual chemicals. In addition, RTECS only provides information on approximately 100,000 common chemicals. Consequently, the absence of potential health effect summary information for a particular chemical identified in a Toxic Site Profile does not necessarily mean that the chemical does not pose potential health effects.

The Maximum Contaminant Level (MCL) in drinking water allowed for selected chemicals is also noted. In most cases, the only applicable MCL has been set by the New York State Department of Health (NYSDOH). Where NYSDOH has not set an MCL, the federal standard, if one exists, is listed and is marked by an asterisk.

Presented below are column headings that describe the health effect definitions used in RTECS and applicable New York State and federal drinking water standards. Reference sources for information presented in this section are also provided.

ACUTE TOX: **Acute Toxicity**: Short-term exposure to this chemical can cause lethal and non-lethal toxicity effects not included in the following four categories.

TUMOR TOX: **Tumorigenic Toxicity**: The chemical can cause an increase in the incidence of tumors.

MUTAG TOX: **Mutagenic Toxicity**: The chemical can cause genetic alterations that are passed from one generation to the next.

REPRO TOX: **Reproductive toxicity**: May signify one of the following effects: maternal effects, paternal effects, effects on fertility, effects on the embryo or fetus, specific developmental abnormalities, tumorigenic effects, or effects on the newborn (only positive reproductive effects data for mammalian species are referenced)

IRRIT TOX: **Primary Irritant**: The chemical can cause eye or skin irritation

MCL: **Drinking Water Standard - Maximum Contaminant Level** (MCL) listed under Drinking Water Supplies, 10 NYCRR Part 5, Subparts 1.51(f),(g), and (h) for NYDOH MCL's and under the Safe Drinking Water Act, 40 CFR 141, Subparts B and G, (* indicates value for total trihalomethanes) for federal MCL's.

Reference Source for Toxicity Information: Registry of Toxic Effects of Chemical Substances (RTECS), NIOSH (on-line database); For further information, contact: NIOSH, 4676 Columbia Parkway, Cincinnati, OH, 45226, 800/35-NIOSH.

Reference Source for Drinking Water Standards: New York State Department of Health, Bureau of Toxic Substances Assessment, 2 University Place, Room 240, Albany, NY 12203, 518/458-6373.

U.S. Environmental Protection Agency, Office of Drinking Water, 401 M St SW, Mailstop WH-556, Washington, DC, 20460, 202/260-5700.

Inactive Hazardous Waste Disposal Site Classifications: 1 -- Causing or presenting an imminent danger of causing irreversible or irreparable damage to the public health or the environment -- immediate action required;

2 -- Significant threat to the public health or environment -- action required;

3 -- Does not Present a significant threat to the environment or public health -- action may be deferred;

4 -- Site properly closed --requires continued management;

5 -- Site properly closed, no evidence of present or potential adverse impact -- no further action required;

2a -- This temporary classification has been assigned to sites where there is inadequate data to assign them to the five classifications specified by law.

$D_{1, 2, 3}$ -- Delisted Site (1: hazardous waste not found; 2: remediated; 3: consolidated site or site incorrectly listed)

NO NATIONAL PRIORITIES LIST (NPL) SITES IDENTIFIED WITHIN 1 MILE SEARCH RADIUS

INACTIVE HAZ WASTE DISPOSAL REGISTRY OR REGISTRY-QUALIFYING SITES IDENTIFIED WITHIN 1 MILE SEARCH RADIUS

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 1 **2350 FIFTH AVE., NEW YORK (AKA, PS 141)** **Facility Id: 231004**
2350 FIFTH AVENUE NEW YORK CITY, NY 10037

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 5251 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: 2350 FIFTH AVE
Revised zip code: NO CHANGE

Special Note: This site is one of 421 Inactive Hazardous Waste Disposal Sites that reportedly are being reinvestigated for chlorinated solvents that may pose soil gas vapor intrusion hazards. Prior to 2003, many of these sites were determined to be cleaned up or not to pose hazards.

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INACTIVE HAZARDOUS WASTE DISPOSAL SITE INFORMATION

SITE CODE: 231004
CLASSIFICATION CODE: 02 REGION: 2 DEC ID: 57691
CLASSIFICATION CODE DESCRIPTION:
Significant threat to the public health or environment - action required.

NAME OF SITE: 2350 Fifth Ave., New York (AKA, PS 141)
STREET ADDRESS: 2350 Fifth Avenue TOWN: New York City
CITY: New York City ZIP: 10037 COUNTY: New York

SITE TYPE: Dump- Structure-X Lagoon- Landfill- Treatment Pond- ESTIMATED SIZE: 1.700 Acres

INSTITUTIONAL/ENGINEERING CONTROLS:
None reported

CROSS REFERENCES:
None reported

SITE OWNER/OPERATOR INFORMATION:
CURRENT OWNER(S):
NAME: INNER CITY REDEVELOPMENT CORPORATION Owner Type: Corporate or Commercial
ADDRESS: 2350 FIFTH AVE.

NEW YORK, NY 10037

NAME: Inner City Redevelopment Corporation
ADDRESS: 2350 Fifth Avenue
New York, NY 10037

OWNER(S) DURING DISPOSAL:
NAME: INNER CITY REDEVELOPMENT CORPORATION
ADDRESS:

OPERATOR(S) DURING DISPOSAL:
NAME: INNER CITY REDEVELOPMENT CORPORATION Operator Type: Corporate or Commercial
ADDRESS: 2350 FIFTH AVE
NEW YORK, NY

NAME: Inner City Redevelopment Corporation
ADDRESS: 23050 Fifth Avenue
New York, NY 10037

SITE DESCRIPTION:
The site is located on the west side of Fifth Avenue between 141st Street and 142nd Street in Manhattan. The entire site is occupied by a building comprised of three connected sections. The site is at an elevation of about 10 feet or less above mean sea level. Surrounding the Site are multi-story residential buildings on the west, south and southeast; the Harlem River Drive and the Harlem River on the east, and the 369th Regiment Armory to the north.

From 1970 to 1994 the Site was occupied by an industrial laundry with a dry cleaning operation utilizing tetrachloroethylene (PCE) as a cleaning solvent. A portion of the building was renovated for use as a public school, but such use was discontinued. Soil Vapor Extraction system (SVE) was installed as part of the Interim Remedial Measures (IRM) to remove PCE. The SVE has been operated continuously since 1997, and was renovated in 2002. April 2005, the SVE has was shut off to evaluate the performance of the remedy, during one of the indoor air quality monitoring TCE concentration was found to be above the DOH guidance value (5 microgram per cubic meter) The SVE system was re-activated on December 18, 2006. Remedial Investigation to delineate the full extent of contamination are underway.

CONFIRMED HAZARDOUS WASTE DISPOSED:

TYPE	QUANTITY
TETRACHLOROETHYLENE (PCE)	UNKNOWN
BENZO(A)PYRENE	UNKNOWN

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:
From 1970 to 1994 the Site was occupied by an industrial laundry with a dry cleaning operation utilizing tetrachloroethylene (PCE) as a cleaning solvent. Soils beneath the Site, and on-site and off-site groundwater are contaminated with PCE. Additional investigation is necessary to fully delineate the contamination.

Exceedances of NYSDOH indoor air guidandance value for TCE and PCE in the former boiler room in the basement which is below Room 112.

ASSESSMENT OF HEALTH PROBLEMS:
During renovations to the building in 1996-1997, several rounds of indoor air testing were conducted and on one occasion the data indicated the presence of tetrachloroethene (PCE) above the NYSDOH residential indoor air guideline of 15 parts per billion (ppb). Interim remedial measures initiated during 1997 to address the source of the contamination included the installation and operation of a shallow soil vapor extraction system. These measures have generally resulted in reducing the levels of tetrachloroethene in indoor air to levels below the15 ppb guideline. Indoor air sampling conducted in April 2002 only detected trace concentrations of PCE. Exposure to contaminated groundwater is unlikely as public drinking water is supplied to the entire community. Exposure to contaminated soils is unlikely as the affected areas are covered by buildings or pavement.

The New York State Department of Environmental Conservation has not publicly updated the following fields since 2003:

ANALYTICAL DATA AVAILABLE FOR:	Air-X	Surface Water-	Groundwater-X	Soil-X	Sediment-
APPLICABLE STANDARDS EXCEEDED IN:	Groundwater-X	Drinking Water-	Surface Water-	Air-X	

GEOTECHNICAL INFORMATION:

SOIL/ROCK TYPE:	Fill mixed with organic-rich silt.
GROUNDWATER DEPTH:	Range: 5 to 10 feet.

LEGAL ACTION:	Type: Consent Order		State-X	Federal-
STATUS:	Negotiation in Progress-		Order Signed-X	
REMEDIAL ACTION:	Proposed-	Under Design-	In Progress-X	Completed-
NATURE OF ACTION:	IRM-Removal. IRM-SVE system. IRM-Floor sealing.			

RCRA CORRECTIVE ACTION SITES IDENTIFIED WITHIN 1 MILE SEARCH RADIUS

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 2 **ASHLAND CHEMICAL CORP** **Facility Id: NYD068212695**
609 W 131ST ST NEW YORK, NY 10027
EPA (RCRA) Name: OLIN WATER SERVICES
EPA (RCRA) Address: 609 W 131ST ST NEW YORK, NY 100277903

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 1452 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

GENERATOR TYPE: Small Quantity Generator - Large Quantity Generator - X Treatment, Storer, Disposal Facility - X

HANDLERS WITH CORRECTIVE ACTION ACTIVITY (CORRACTS)

CORRACTS EVENT CODE	CORRACTS DATE	CORRACTS EVENT DESCRIPTION
CA050	11/30/1985	RFA COMPLETED
CA050	09/22/1992	RFA COMPLETED
CA075	01/19/1994	CA PRIORITIZATION-LOW CA PRIORITY
CA070	07/19/1994	DETERMINATION OF NEED FOR A RFI-RFI IS NOT NECESSARY

NO CERCLIS SUPERFUND SITES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

BROWNFIELDS SITES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 3 **CE - W. 132ND ST. STATION** **Facility Id: V00547**
12TH AVE. BETWEEN W.131ST - W. 133RD STS. NEW YORK, NY 10027

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1717 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Brownfield Program: Voluntary Cleanup Program

Volunteer: CONSOLIDATED EDISON C

****

VOLUNTARY CLEANUP PROGRAM

SITE CODE: V00547
CLASSIFICATION CODE: A REGION: 2 DEC ID: 57536
CLASSIFICATION CODE DESCRIPTION:
Work is underway and not yet complete.

NAME OF SITE: CE - W. 132nd St. Station
STREET ADDRESS: 12th Ave. between W.131st - W. 133rd Sts. TOWN: New York City
CITY: New York ZIP: 10027 COUNTY: New York

SITE TYPE: Dump- Structure- Lagoon- Landfill- Treatment Pond- ESTIMATED SIZE:

INSTITUTIONAL/ENGINEERING CONTROLS:
None reported

CROSS REFERENCES:
None reported

SITE OWNER/OPERATOR INFORMATION:
CURRENT OWNER(S):
NAME: NYC TRANSIT AUTHORITY Owner Type: Missing Code in Old Data
ADDRESS: 370 JAY ST.
BROOKLYN, NY 11201

NAME: VARIOUS - SEE PROGRAM FOLDER Owner Type: Missing Code in Old Data
ADDRESS:

OWNER(S) DURING DISPOSAL:

OPERATOR(S) DURING DISPOSAL:

APPLICANT REQUESTOR(S):
NAME: CONSOLIDATED EDISON CO OF NY.,INC. Owner Type: Missing Code in Old Data
ADDRESS: 4 IRVING PLACE
NY, NY 10003

SITE DESCRIPTION:
The site is located on portions of two blocks bounded by West 131st Street, West 133rd Street, Broadway, and 12th Avenue in upper Manhattan. The surrounding area is highly urbanized. The site is the location of two former gas holders, the last of which was closed in 1962.

The Site Characterization work plan has been approved, and the field work will be completed once access issues with an adjacent bus garage are resolved.

CONFIRMED HAZARDOUS WASTE DISPOSED:
None reported

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:
A Site Characterization is currently planned for 2006.

ASSESSMENT OF HEALTH PROBLEMS:
NYSDOH has insufficient information to fully evaluate the potential for human exposures.
****

NO SOLID WASTE FACILITIES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

HAZARDOUS WASTE TREATMENT/STORAGE/DISPOSERS IDENTIFIED WITHIN THE 1/2 MILE SEARCH RADIUS

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 4 **ASHLAND CHEMICAL CORP** **Facility Id: NYD068212695**
609 W 131ST ST NEW YORK, NY 10027
EPA (RCRA) Name: OLIN WATER SERVICES
EPA (RCRA) Address: 609 W 131ST ST NEW YORK, NY 100277903

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 1452 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN Notification date: 07/13/1992 Part A notification date: 07/13/1992
Land Disposal: Receives offsite waste: Incinerator:
Storer: YES Treatment facility: Transporter:

Historically listed as the following USEPA RCRA Generator Size(s) as well:
LARGE QUANTITY GENERATOR

US EPA RCRA Violations:

Violation Area: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Violation Number: 0001 Location: NY
Regulation:
Responsible Agency: STATE
Violation Determination Date: 03/29/1984
Violation Return to Compliance: 09/11/1984

Violation Area: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Violation Number: 0002 Location: NY
Regulation:
Responsible Agency: STATE
Violation Determination Date: 03/25/1987
Violation Return to Compliance: 03/25/1987

U. S. Environmental Protection Agency (EPA) Resource Conservation and Recovery Information System (RCRIS) National Oversight Database
HANDLERS WITH CORRECTIVE ACTION ACTIVITY (CORRACTS)

CORRACTS EVENT CODE	CORRACTS DATE	CORRACTS EVENT DESCRIPTION
CA050	11/30/1985	RFA COMPLETED
CA050	09/22/1992	RFA COMPLETED
CA075	01/19/1994	CA PRIORITIZATION-LOW CA PRIORITY
CA070	07/19/1994	DETERMINATION OF NEED FOR A RFI-RFI IS NOT NECESSARY

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recent reported data.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
NONE	No hazardous waste activity reported by NYS up to 7/6/2006.				

HAZARDOUS MATERIAL SPILLS INTRODUCTION

The Hazardous Material Spills in this section are divided into eight spill cause groupings. These include:

Active Spills Section: Spills with incomplete paperwork that may or may not be cleaned up (See Date Cleanup Ceased)

1) Tank Failures
2) Tank Test Failures
3) Unknown Spill Cause or Other Spill Cause Hazardous Spills
4) Miscellanous Spill Causes: Equipment Failure, Human Error, Tank Overfill, Deliberate Spill, Traffic Accidents, Housekeeping, Abandoned Drum, and Vandalism.

Closed Status Spills Section: Spills with completed paperwork that may or may not be cleaned up (See Date Cleanup Ceased)

5) Tank Failures
6) Tank Test Failures
7) Unknown Spill Cause or Other Spill Cause Hazardous Spills
8) Miscellanous Spill Causes: Equipment Failure, Human Error, Tank Overfill, Deliberate Spill, Traffic Accidents, Housekeeping, Abandoned Drum, and Vandalism.

All spills within each spill cause category are presented in order of proximity to the subject site address.

Please note that spills reported within 0.25 mile (or one-eighth mile in New York City) are mapped and profiled.

Between 0.25 mile (or one-eighth mile in New York City) and 0.5 mile, only the following spills are mapped and profiled:

* Tank Failures;

* Tank Test Failures;

* Unknown Spill Cause or Other Spill Cause;

* Spills greater than 100 units of quantity; and

* Spills reported in the NYSDEC Fall 1998 MTBE Survey.

A table at the end of each section presents a listing of reported Miscellanous Spills with less than 100 units located between 0.25 mile (or one-eighth mile in Manhattan) and 0.5 mile. These spills are neither mapped nor profiled.

ACTIVE TANK FAILURES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 5 **411 W 128TH ST** **Spill Number: 0102976** **Close Date:**
411 W 128TH ST MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 833 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING
Notifier Type: Local Agency
Caller Name: TERRY OPR 156
DEC Investigator: Needs Reassignment

Spiller: OPR 441
Notifier Name: TERRY OPR 156
Caller Agency: NYC DEP
Contact for more spill info: OPR 441

Spiller Phone: (212) 570-4300
Notifier Phone: (718) 595-6777
Caller Phone: (718) 595-6777
Contact Person Phone: (212) 570-4300

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/18/2001		TANK FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

fd on scene

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "DEMEO"
On 6/18/01 Spill responder De Meo received a report from NYFD regarding fuel oil leaking into a HPD owned apartment building, located at 411 West 128th Street in Manhattan (spill #0102976). The oil from an unknown source was coming out of drains and small open excavations in the basement of the above mentioned property. Additionally, in the courtyard behind the property oil

was observed leaching through a 20 ft. high retaining wall. A canvas of the area revealed a leaking 5,000 gallon tank at 412 West 129th Street. The above tank was leaking the fuel oil into an open excavation (3 ft x 3ft x 3ft). The building owner was instructed to empty contents of tank and address the impacts to building on W128th. Eastmond Tank cleaners was retained to pump oil and perform cleanup. DLE was notified and responded to scene. Several summons were issued for existing violations. A complete subsurface investigation will be performed.

6/14/05 Heitzman - Requested additional information from DLA concerning responsible party, summons, violations & subsurface investigation.

10/20/05 Heitzman - No response received from DLA. Documentation requested from property owner.

4/12/06 - No response received from property owner.

NEXT STEP: Perform site inspection to determine whether cleanup was complete. Obtain documentation from property owner and/or Regional DLA if available.

Map Identification Number 6 **APARTMENT** **Spill Number: 0412648** **Close Date:**
1484 AMSTERDAM AVE MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 1043 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING
Notifier Type: Other
Caller Name: STEVEN KING
DEC Investigator: KSTANG

Spiller: RAFI - APARTMENT
Notifier Name: STEVEN KING
Caller Agency: HESS CORP
Contact for more spill info: RAFI

Spiller Phone: (212) 234-1740
Notifier Phone: (732) 750-6707
Caller Phone: (732) 750-6707
Contact Person Phone: (212) 234-1740

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
03/02/2005		TANK FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	8.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

LEAKING FILL LINE, SURFACE CLEAN UP IS BEING HANDLES BY EASTMAN & SONS AND THE LANDLORD WILL REPAIR:

DEC Investigator Remarks:

Eastmond doing cleanup.
"Rafi" (Super?? 212-234-1740) says the piping will be repaired ASAP

04/13/06- Case was transferred from Jake Krimgold to Koon Tang.

Map Identification Number 7 **MOBIL S/S** **Spill Number: 9205134** **Close Date:**
3260 BROADWAY NEW YORK, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 1098 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION Spiller: SHAWN TYREE - TYREE ORGANIZATION Spiller Phone: (631) 249-3847 ext. 2
Notifier Type: Responsible Party Notifier Name: Notifier Phone:
Caller Name: R HERZFELD Caller Agency: LAW FIRM Caller Phone: (212) 888-7717
DEC Investigator: skcarlso Contact for more spill info: MARTIN IGEL Contact Person Phone:

Spill Class: KNOWN RELEASE THAT CREATES A FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved	Meets Cleanup Standards	Penalty Recommended
08/04/1992		TANK FAILURE	2-601563	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	0	GALLONS	0	GALLONS	GROUNDWATER

Caller Remarks:

4000 PPM. INVESTIGATION CONTINUING.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ROMMEL"
This spill case was reassigned from DEC (Sigona) to Rommel on 02/10/2004.

FREE PRODUCT ENCOUNTERED ON SHALLOW WATER TABLE & BEDROCK ENCOUNTERD. TYREE DOING CLEANUP. MONITORING AND USING PASSIVEL BAILERS TO RETRIEVE PRODUCT.

Reassigned from Mulqueen to Sigona on 10/30/00.

Bureau B, unassigned, due to low priority. Transferred from R-2 on April 27, 2005. Formerly R-2, unassigned.

07/22/05 - July 22, 2005 Semi-Annual Monitoring Report submitted to DEC revealed groundwater total BTEX at 442 ppb and MtBE at 301 ppb in MW-3 on the site. By Perez.

07/27/05 - Perez spoke with Shawn Healey (Tyree's PM, 631-249-3847 Ext. 236) to determine the status of the site. Tyree acknowledges that they are the responsible party for this site and they are undertaking investigatory activities and monitoring the site on a quarterly basis. By Perez.

11/10/05: Project assigned to Sarah Andersen. Reconfirmed that Tyree is the responsible party with Shawn Healey. Changed potential spiller information in UIS database.

2/28/06: Called Shawn Healey to followup on status of MW installation and overdue quarterly report.

3/13/06: Spoke with Shawn Healey, he will send me the latest report.

3/15/06: Received quarterly report dated March 13, 2006. Samples collected on 2/1/06. Only two wells onsite. Max BTEX 282ppb (W-3) and max MTBE 107 ppb (W-3). Depth to water 6 ft. Concentrations appear to be naturally attenuating.

8/21/06: Left a voice message for Shawn Healey to followup on status of overdue quarterly report.

8/31/06: Refer to spill 8709144 adjacent to this site. An odor was present in the sump. The sump will be sampled.

9/5/06: Left voice message with Shawn Healey regarding overdue update report.

9/14/06: Spoke to Shawn Healey, he will submit reports via email. Sensitive receptor survey required for this site.

10/6/06: Spoke to Shawn Healey. A report was submitted by email, but was not received. He will Fedex the report.

10/11/06: Reviewed update report. Wells sampled on 8/14/06. Max BTEX 338 ppb in MW3, max MTBE 26 ppb in W-3.

2/13/07: Spoke to Shawn Healey. He will check on the status of the most recent sampling event, and update report.

2/22/07: Received update report. Wells sampled on 2/13/07. Max BTEX 352 ppb (W-3), max MTBE 31 ppb (W-3). Continue monitoring.

Map Identification Number 8 **619 W 125TH ST** **Spill Number: 9302776** **Close Date:**
619 W 125TH ST MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 1370 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: DEC
Caller Name: KAREN
DEC Investigator: Needs Reassignment

Spiller: NEW KHALSA CO.
Notifier Name:
Caller Agency: OFFICER A STANIEWSKI
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone: (718) 482-4885
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/01/1993		TANK FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	0	POUNDS	0	POUNDS	SOIL

Caller Remarks:

DURING TANK PULL CONTAM SOIL - 4 TANKS OUT OF GROUND - 9 TANKS STILL IN GROUND - NOT ALL TANKS REGIS. CALLER REQUESTS CONTACT/ASSIST ON RADIO CODE 251.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ROMMEL"
10/10/95: This is additional information about material spilled from the translation of the old spill file: CONTAM. SOIL.

4/12/04-Vought-Spill transferred from Miller to Rommel as per Rommel.
8/2/05- temperary transferred lead to Woodward
11/07/05- review of file- all tanks were removed in 6/93 need to determine current owner of property. Last owner of record found to be Harbanslingh Dhillion last address 92-11 48th Ave, Elmhurst,NY 11373. May need to send letter requesting information and track down Officer Staniewski's report.

Map Identification Number 9 **MANHATTANVILLE DEPOT --NYCT** **Spill Number: 0111827** **Close Date:**
666 W.133TH ST NEW YORK, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1825 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: 666 W 133RD ST
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Responsible Party
Caller Name: GEORGE BASSIL
DEC Investigator: MCTIBBE

Spiller: NYC TRANSIT
Notifier Name: TIM SLAUSON
Caller Agency: NYC TRANSIT
Contact for more spill info: JOSPHINE BROWN

Spiller Phone:
Notifier Phone:
Caller Phone: (718) 243-4581
Contact Person Phone: (718) 243-4581

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/28/2002		TANK FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

mark tibbe of region 2 was notified - of the tightness test failure - this is at a bus depot - primary discharge line from deisel tank failed - secondary line from deisel tank did pass

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
After discussions with various NYCT personnel, it was discovered that product was found on the floor of the filter room back in January of 2002. The discharge (dispenser) lines, primary and secondary, were tested. The primary discharge line for tanks 3 & 4 failed testing on January 28, 2002 but the secondary passed. Tanks 3 & 4 were taken out of service and locked and tagged out until repairs could be made.

DEC was not notified by NYCT at this time because they determined that there was not leak to the environment, therefore, there was no spill. This decsion was based on an earlier situation at Stengel Depot where testing of a primary tank failed but the secondary held. NYCT was given a summons for non-notification but the ticket was dismissed.

The tank tester did not notify because he was directed not to by NYCT.

In this situation, the secondary discharges to a filter room that may not be meet the requirements for secodary containment considering the room has drains in it. When this was pointed out to NYCT, they changed their reason to Diminus Spill Reporting

Policy.

I performed a site visit on March 13, 2002 during the new round of testing. Product was still dripping from the secondary into the filter room. Therefore, the criteria for diminus spill reporting was not met (cleaned up in two hours and the room has drains in it which means the spill was not contained).

After discussion with several NYCT personnel and the tank tester (Franklin), it was determined that someone had put tanks 3 & 4 back into sevice even though they were locked and tagged out. Unfortunately, they did not open the valve that allows the product to flow through the filters and into the system. Also, the valve on the secondary line, which allows produc that leaks from the primary to enter the filter room, was left closed. This built up pressure in the secondary from the product that was leaking from the primary. Eventually, the secondary ruptured causing a several thousand gallon leak to the groundwater.

NYCT had been noticing an increase in product in the vault and surrounding wells from a previous leak from this system (see 0105323). This new leak explained the increase.

After the initial failure in January 2002, tanks 3 & 4 were not properly temporarilty taken out of service as required by PBS regulations. If the tank had been emptied, the subsequent relase could not have happened. If DEC had been notified, we would have required that the tanks be emptied until such time that repairs could be made.

see also 0111763, 0111911, 0203317, 0204060.

Map Identification Number 10 **PUBLIC SCHOOL 192** **Spill Number: 0301927** **Close Date:**
500 W 138TH ST NEW YORK, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 2062 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Other
Caller Name: JOHN RHYNER
DEC Investigator: kkchanda

Spiller: ALEX LEMPERT - PUBLIC SCHOOL 192
Notifier Name:
Caller Agency: LANGAN ENGINEERING & ENVI
Contact for more spill info: ALEX LEMPERT

Spiller Phone: (718) 472-8501
Notifier Phone:
Caller Phone: (212) 479-5400
Contact Person Phone: (718) 472-8501

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved	Meets Cleanup Standards	Penalty Recommended
01/01/1995		TANK FAILURE	2-354155	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

leaking underground storage tank - 2 tanks / ea 10,000 gal - school is working to clean up spill

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DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "DEMEO"
Also see spill No. 8906780.

5/30/2006 - 10:00 AM - Contacted Joel Landes of Langan Engineering regarding the progress on soil cleanup at P.S. 192. Langan Engineering was asked to evaluate the existing system before cleanup took place to ensure long term efficiency. The company is in the process of redesigning the system. Once this is complete, cleanup will proceed as planned to remove all contaminated soil and initiate construction of the redesigned system. Submitted by Johnathan Antonizio, NYSDEC - Albany, 5/30/2006.

02/01/07: Re-assigned to chanda.

4/12/07: Kartik Chnada of DEC reviews all documents regarding this spill case.On 4/12/07, Chanda sent a letter to James Marlo, Manager Fuel Division,NYC Board of Education, requiring that the following information be submitted to DEC for review by MAY 11, 2007:

1. An explanation of the cause of the tank system failure;
2. Either a description of the work performed to restore the integrity of the tank system (including retesting results), or a description of the work performed to close (decommission) the tank;
3. Information regarding petroleum contamination found at the site and cleanup activities (if any) associated with a release from this tank system;
4. Any available documentation (i.e., invoices, bills, sampling analysis reports, etc.) pertaining to the work performed at this site associated with this violation.

4/23/07: Chanda received a letter from James Merlo, Manager Fuel division, NYC Department of Education. He stated that USTs were closed and removed in 2/1/04 by the NYC School Construction Authority (NYCSCA); please contact the NYCSCA for further information regarding this matter.

4/26/07: Chanda sent a letter to Ms. lee Guterman, Manager, IEH Division, NYCSCA, requiring that a Tank Closure Assessment Report be submitted to DEC for review by June 15, 2007.

6/18/07: Chanda received a Summary Status Report from NYC School Construction Authority, prepared by LANGAN Engineering & Environmental services dated June 15, 2007.

Map Identification Number 11 **TEACHERS COLLEGE** **Spill Number: 0609739** **Close Date:**
106 MORNING SIDE DRIVE NEW YORK, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P3)
Approximate distance from property: 2351 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: 106 MORNINGSIDE DR
Revised zip code: 10027

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Spiller: JOHN BRUFF - TEACHERS COLLEGE
Spiller Phone: (212) 678-3011
Notifier Type: Other
Notifier Name:
Notifier Phone:
Caller Name:
Caller Agency:
Caller Phone:
DEC Investigator: rvketani
Contact for more spill info: JOHN BRUFF
Contact Person Phone: (212) 678-3011

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/27/2006		TANK FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	75.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

CRACK IN FILL LINE: SPILL IS CONTAINED IN PIT: CLEAN UP CREW ENROUTE TO CLEAN UP:

DEC Investigator Remarks:

11/28/06 - Raphael Ketani. I made a site visit at the request of Rene Lewis, Field Supervisor, at A. L. Eastmond & Son, Inc., 1200 Oakpoint Avenue, Bronx, NY, 10474, (718) 378-3000. The building is an apartment building on the hill just to the west of Morningside Park (west 121 Street). The PBS case #2-606468 shows an in service 10,000 gal. tank with #6 oil.

Vapor readings with the PID were: 65 ppb in the lobby; definite but not strong odors in the elevator; 2170 ppb at the floor of the boiler room with only slight odors; and 12.1 ppm in the tank room. The building's boiler room had a painted floor with no cracks. There was a little oil on the surface of the water in the sump, but I was told by the superintendent, Joe Gilcrest (347) 219-3705, that the sump pump had been removed years ago.

The 10,000 gal. tank had held #6 oil, but Mr. Lewis told me that it was empty. He said his crew had been inside and they saw that the tank had been lined in the past. However, he said, it was now leaking again. He said that the tank will have to be replaced. I went inside the tank room and saw that oil had been pouring out of the hole in the wall through which the fill pipe passes. Some oil had been absorbed with Speedi Dri, but some had made it to the sump from under the wall separating the tank room from the boiler room. With the fiberglass insulation littering the ground, the absorbent material on the floor, and the oil covering parts of the floor, it was impossible to see whether the tank room floor had cracks. However, the tank was partially buried in

the ground. I took 7 pictures inside the tank room and outside the building. I told Mr. Lewis and Mr. Gilcrest that digging will have to take place to remove all of the contaminated soil, that the soil surrounding the fill pipe will also have to be removed, and the oil in the sump will have to be collected. I told them I will send a letter to this effect to the owners of the building, John Bruff, Director of Facilities, Teachers College, 525 West 120 Street, Box 162, NY, 10027 (212) 678-3011 and to A. L. Eastmond.

11/29/06 - Raphael Ketani. I sent a CSL letter to Mr. Bruff.

1/30/07 - Raphael Ketani. I received a FAXed letter from Janice Robinson of Teachers College of Columbia University on 1/29/07 and the letter with an original signature today. The letter stated that RND Services had been hired to remove the tank, cleanup the site, and dispose of all contaminated soil and water. The letter went on to say that a report will be submitted describing the cleanup and any soil removal. Ms. Robinson's phone number is (212) 678-3732.

I looked up the PBS registration #2-606468 and found that the 10,000 gal. tank was still listed as in-service.

1/31/07 - Raphael Ketani. Ms. Robinson called back to say that she had her worker send in the PBS change form today.

2/13/07 - Raphael Ketani. I spoke to Bob Heyman of R&D Services (845) 348-6355. He told me that R&D will do the investigation and cleanup for the tank. I told him to also check the fill line and port as I saw staining on the wall below the pipe. He said he will do a pressure test of the pipe and port.

5/2/07 - Raphael Ketani. Today I received a progress report letter dated 4/30/07 from Robert Hayman of RND Services, Inc (845) 348-6355.

Mr. Hayman also told me that they had removed the tank, cleaned up everything and removed the concrete floor. When they removed the floor, water started coming in at the rate of 2 gals./min. It turned out that the water was coming from a broken pipe on the south side of the vault and contained roof drainage water and sewer water. They removed 30,000 to 40,000 gals. of combined water with a little bit of oil. He said that the tank had been resting on bedrock and so they removed a little contaminated bedrock. They also tried to do a pressure test on the fill box and the fill pipe, but it collapsed. They will breakup the sidewalk to remove any contaminated soil and replace the pipe. Mr. Hayman said that they are putting together a report for DEC. He added that the building owners have been very cooperative and have hired their own engineer to design a new vault for the tank and the piping system.

ACTIVE TANK TEST FAILURES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 12 **CITY COLLEGE OF NY** **Spill Number: 0605890** **Close Date:**
W 135TH STREET & NEW YORK, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P6)
Approximate distance from property: 917 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: W 135TH ST / AMSTERDAM AVE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER Spiller: JOHN - CITY COLLEGE OF NY Spiller Phone: (212) 650-8682
Notifier Type: Other Notifier Name: Notifier Phone:
Caller Name: Caller Agency: Caller Phone:
DEC Investigator: BKFALVEY Contact for more spill info: RONALD JANIS Contact Person Phone: (212) 650-8682

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/22/2006		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
1	10000	Horner EZ Check I or II	0.00	UNKNOWN
The following tank was deleted from the reported data. Data reflects last reported information.				
1	10000	Horner EZ Check I or II	0.00	UNKNOWN

Caller Remarks: NO REMARKS GIVEN FOR THIS SPILL

DEC Investigator Remarks:

08/22/06-Hiralkumar Patel. spoke with Ron Janis at facility. they are in process for further testing of tank. his mailing address is as:

Ronald Janis
160 Convent Avenue
Manhattan, NY 10031
Ph. (212) 650-8682
FAX (212) 650-8648

PBS #: 2-601456

TTF sent to Mr. Janis. letter faxed to Mr. Janis.

see E-Docs.

8/30/06 results of 08/22/06 test failure noted above were received by DEC. bf

10/12/06 tank test report received 10/6/06. ttf letter sent today. tank number does not correspond. bf

Map Identification Number 13 **FORMER WOLF AMOCO STATION** **Spill Number: 9604890** **Close Date:**
3225 BROADWAY MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 1243 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION
Notifier Type: Tank Tester
Caller Name: JERRY KASPAR
DEC Investigator: skcarlso

Spiller: WOLF PETROLEUM - AMOCO
Notifier Name: KEVIN SCHMITT
Caller Agency: CROMPCO CORP
Contact for more spill info: WOLF PETROLEUM

Spiller Phone: (516) 997-9300
Notifier Phone:
Caller Phone: (800) 646-3161
Contact Person Phone: (516) 997-9300

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/15/1996		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
	550	USTest 2000/P/LL plus USTest 2000/U	0.00	FAIL
The following tank was deleted from the reported data. Data reflects last reported information.				
	550	USTest 2000/P/LL plus USTest 2000/U	0.00	GROSS LEAK RATE

Caller Remarks:

12 550 gallon tanks that are manifolded together failed tank test

DEC Investigator Remarks:

3/14/03 REASSIGNED FROM TIBBE TO VOUGHT.

12/5/03-Vought-See also closed Spill #0200338 at same location.
1/8/04 Reassigned from Vought to K Foley.

2/25/04 File review(KMF):
13X550gal gasoline, 1X550gal waste oil, 1X550gal fuel oil USTs documented as closed in closure report submitted by National Environmental 12/10/96. A total of six samples were taken in three excavations and tested for VOC/SVOCs. All samples were composites and returned below STARs guidelines. VOCs were non detect. SVOCs had minor hits. Compositing VOC samples is unacceptable and soil borings should be completed. No groundwater samples were taken.

9/29/04 Met with B. Cohen(Certilman Balin Attorneys), B. Beck(Consultant, National Env.) with J. Rommel and L. Oliva. B. Beck proposes to do three Geoprobe borings, one in each source area. Report to be submitted by 1/8/05.

2/9/05 Received Groundwater Sampling and Investigation Report prepared by National Environmental. Three Georpobes were drilled adjacent to the suspected source area in the vicinity of the existing USTs. Soil samples were collected from 10-14'bgs, the elevation of the bottom of the existing tanks. All samples were stained and exhibited odor. Soil concentrations were very high for VOCs in all three borings. Groundwater was encountered at 28'bgs and is suspected to flow toward the Hudson River, south and west. Total BTEX in GW ranged from 15758ppb(B-2) to 142952ppb(B-1). MTBE in GW ranged from ND(B-2, B-3) to 3169ppb(B-1). Bedrock is anticipated at 50-60'bgs.

National proposing five permanent monitoring wells, two upgradient and three downgradient. Proposing sampling only for VOCs since napthalene was the only SVOC detected above TAGM RSCOs and GWQS.

2/9/05 Issued letter approving five well locations and requiring two additional borings within the waste oil and heating oil tank areas(as previously agreed upon during 9/29/04 meeting). Also requesting fill port locations and additional sampling location if appropriate. Summary report due 5/15/05.

2/2/06: Case reassigned to Andersen. Sent Bruce Beck an email asking for update on work required in 2/9/06 letter and status of

overdue report.

2/3/06: Sent letter to Cary Wolf asking for update on work required in 2/9/06 letter and status of overdue report.

3/13/06: Received letter from Bruce Beck stating that they are currently soliciting quotes for drilling.

5/19/06: Consent order meeting with Wolf scheduled for June 2 at 11am.

6/8/06: Meeting with NYSDEC, Barry Cohen (Wolf's attorney's) and Bruce Beck (Wolf's consultant) regarding the consent order. Barry Cohen noted that this site was condemned by the city to build a medical center for Columbia University.

7/10/06: Emailed Bruce Beck to set up a meeting to discuss deliverables required for consent order.

8/2/06: Meeting on 7/25/06 to discuss deliverables with Bruce Beck. This site is currently owned by Columbia University.

11/28/06: Site taken out of Wolf Consent Order. Remediation will be handled by Columbia University.

12/11/06: Left voice message with Barry Cohen to get contact at Columbia University.

12/18/06: Emailed Barry Cohen to get contact information for Columbia University.

1/2/07: Sent stipulation agreement to Columbia University, due back 2/2/07.

2/1/07: Received call from Russell Salman (312-902-5390). A workplan for redevelopment will be submitted today. Stipulation agreement will be discussed following approval of the workplan.

2/1/07: Spoke to Richard Leland of Kramer & Levin (office 212 715 8087, cell 917 539 0000, email rleland@kramerlevin.com). He is the new attorney for Columbia University. He requested to have a meeting next week to discuss this site.

2/6/07: Meeting scheduled with Toni Finger (212-715-9239) and Richard Leland of Kramer & Levin on 2/13/07 at 10am.

2/13/07: Met with Toni Finger of Kramer and Levin, and Arnold Fleming of Fleming Lee Shue, both representing Columbia. The Department will issue another stip to Columbia University for remediation of this site.

3/5/07: Issued another stip.

3/14/07: Received and approved alterations to the Corrective Action Plan to account for receipt and review of a FOIA request.

3/29/07: A one week extension was granted to sign the stipulation agreement.

4/17/07: Received executed stip. Effective date 4/16/07.

5/2/07: Left voice message for Arnold Fleming to discuss plan for this site.

5/11/07: Followed up on the FOIL request - it hasn't been processed yet.

5/16/07: Spoke to Arny Fleming. The FOIL request was received, an investigation will be scheduled.

6/14/07: Spoke to Toni Finger and consultant. Existing wells are dry and may be tank wells. Geoprobe work may be done. Extension through 7/16/07.

7/11/07: Approved workplan for installation of 8 soil borings. Deadline extended to 7/30/07.

Map Identification Number 14 **WARREN ELECTRICAL SUPPLY** **Spill Number: 0104428** **Close Date:**
641 WEST 131ST ST MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 1793 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Tank Tester
Caller Name: DAVE FAZIN
DEC Investigator: SXLASDIN

Spiller: 641-653 W.131ST HOLDING
Notifier Name: DAVE FAZIN
Caller Agency: CROWN LEAK DETECTION
Contact for more spill info: DAVE FAZIN

Spiller Phone:
Notifier Phone: (516) 939-2959
Caller Phone: (516) 939-2959
Contact Person Phone: (516) 939-2959

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/25/2001		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
	2000	Horner EZ Check I or II	0.00	UNKNOWN

Caller Remarks:

RECOMMEND TO LOCATE TANK AND REPAIR PROBLEM.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "KRIMGOLD"
01/26/04

Transferred from

Rommel to Austin
02/17/04: Reassigned from AUSTIN to KRIMGOLD.

Map Identification Number 15 **32ND PERC. NYPD** **Spill Number: 0012735** **Close Date:**
135TH ST HARLEM MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 2406 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: 135TH ST
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Tank Tester
Caller Name: SHAWN AARON
DEC Investigator: AHMED

Spiller: 32ND PERC. NYPD
Notifier Name: SHAWN AARON
Caller Agency: FENLEY & NICOL
Contact for more spill info:

Spiller Phone:
Notifier Phone: (631) 586-4900
Caller Phone: (631) 586-4900
Contact Person Phone:

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
03/01/2001		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

tank test failure in an underground tank

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

ACTIVE UNKNOWN CAUSE SPILLS AND OTHER CAUSE SPILLS IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 16 **420-418 WEST 129TH ST.** **Spill Number: 9314756** **Close Date:**
420 WEST 129TH ST. NY, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 630 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: DEC
Caller Name: S. CAMMISA
DEC Investigator: Needs Reassignment

Spiller: UNK
Notifier Name:
Caller Agency: NYS DEC
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone: (718) 482-4933
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
03/02/1994		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	-100.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

COMING OUT OF WALL IN BACK OF 419 W 129TH ST POOLING IN BETWEEN BLDGS - FDNY WAS AT SCENE ON 3/2/94 DEP NOTIFIED.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "AUSTIN"
Spill site is reassigned from Zhitomirsky to Austin. Updated by Rashid Ahmed on 04/29/2004.

6/13/05 Heitzman - There are several spills that possibly relate to this:

9401941, 2/20/94, 412 W 129th - spill into courtyard and storm drain, 100 gallons

9400780, 4/17/94, Convent Ave & 128th - tank overfill, "oil all over"

9401006, 4/17/94, 419 W 128th - call to request removal of drums from cleanup

9401906, 5/9/94, 419 W 128th - oil leak on the ground that comes up when it rains

9402093, 5/12/94, 419 W 128th - Oil spilled into courtyard at back of building

These have all been closed out.

NEXT STEP: Perform site inspection to determine whether cleanup was complete.

Map Identification Number 17 **408-410 WEST 130TH ST.** **Spill Number: 9311469** **Close Date:**
408-410 WEST 130TH ST. MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 692 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: Fire Department
Caller Name: LT. BRODERICK
DEC Investigator: Needs Reassignment

Spiller: JACHAR REALTY CORP.
Notifier Name:
Caller Agency: NYC FD DIN #6
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone: (718) 430-0231
Contact Person Phone:

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/22/1993		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	-1.00	POUNDS	0.00	POUNDS	SOIL

Caller Remarks:

MAY BE 5K TANK LEAKING (SUSPECTED AT THIS TIME) REALTY CORP. IS DOING IMITED CLEAN UP. ACROSS FROM SCHOOL 129 - OIL SEEPING INTO BASEMENT.

DEC Investigator Remarks:

11/03/05 - Request for documentation sent to Jachar Realty.
Heitzman

4/12/06 - No response to documentation request received.

NEXT STEP: Perform site inspection of subject property and adjacent school to determine if reported cleanup was complete.
Obtain documentation if available.

Map Identification Number 18 **MANHATTANVILLE HOUSING -NYCHA** **Spill Number: 0006409** **Close Date:**
1430 AMSTERDAM AVENUE NEW YORK CITY, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P6)
Approximate distance from property: 771 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 10027

Source of Spill: UNKNOWN
Notifier Type: Federal Government
Caller Name: CHERELLE MAYFIELD
DEC Investigator: jkkann

Spiller: UNKNOWN - UNKNOWN
Notifier Name: FRANK INOA
Caller Agency: DEP
Contact for more spill info: FRANK IONA

Spiller Phone:
Notifier Phone:
Caller Phone: (718) 595-6777
Contact Person Phone: (718) 707-5718

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/30/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

caller reporting a spill of material from unk source no clean up has been done and no callback necessary

DEC Investigator Remarks:

11/09/05: This spill transferred from J.Kolleeny to S.Kraszewski.

12/28/05: Caller remarks mentions contamination but doesn't say how it was discovered, but 2 days later the new USTs were

installed at this site. It would seem that the unknown origin of the contamination was discovered during excavation. If so, spill #9004122 could be consolidated. - SK

01/26/06: Frank Inoa emailed me acknowledging that the contamination encountered was from the tank removal. - SK

9/22/06: Spill transferred from Kraszewski to Kann.

Map Identification Number 19 **Spill Number: 0302575** **Close Date:**

1346 AMSTERDAM AVE MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 784 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	UNKNOWN	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Affected Persons	Notifier Name:	MR. MEYER	Notifier Phone:	
Caller Name:	ANDREW MORRIS	Caller Agency:	CON EDISON	Caller Phone:	(212) 580-6763
DEC Investigator:	SKARAKHA	Contact for more spill info:	ANDREW MORRIS	Contact Person Phone:	(212) 580-6763

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/10/2003		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

This is a 3rd party spill the name and address are unknown of the spiller. The spill was discovered during excavation of the property

CON ED# 148680 . No to the five questions

DEC Investigator Remarks:

E2MIS 148680

Entered by Meyer

Third Party Spill reported by Supervisor Mandara to the Gas ERC. While a gas construction crew was excavating Gayle # 19724 found an unknown amount of fuel oil in the soil. EH&S McCallion was notified and he contacted the ERC to assist in making the E2mis report. The excavated soil will be placed on plastic and

covered with plastic. There is a fuel oil fill nearby for the oil fired house heating/hot water unit. The spill does not appear to have entered sewers or waterways and there was no smoke or fire. EH&S McCallion will follow up on this job and this report.

Logger Chris McCalion (86578) 12-JUN-2003 12:00 - I talked to Abraham Rodriguez of the DEC to discuss how his agency is handling this thrid party spill. He said he will have to send someone out to investigate the spill. I told him that Con Ed placed the excavated fill back where it came from. I am going to enter a stop time, but will have to wait for a resolved time since this spill has an open DEC number (03-02575).

Logger Chris McCallion (86578) 25-JUN-2003 - Changed Opn Status to "-CLODE" for DEC closure.

Map Identification Number 20 **FEEDER M52** **Spill Number: 0512307** **Close Date:**
TIEMAN PL & BROADWAY MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1182 feet to the W

ADDRESS CHANGE INFORMATION
Revised street: W 125TH ST / BROADWAY
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Responsible Party
Caller Name: TOM ENRIGHT
DEC Investigator: JHOCONNE

Spiller: CON EDISON
Notifier Name: TOM ENRIGHT
Caller Agency: CONED
Contact for more spill info: ERT DESK‘

Spiller Phone:
Notifier Phone: (212) 580-6763
Caller Phone: (212) 580-6763
Contact Person Phone: (212) 580-8383

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/24/2006		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIELECTRIC FLUID	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

345,000 VAULT IN TH CITY. ONE OF THE TANKS IS SHWING A DISCREPANCY OF 5,100 GALLONS. BRING I VESTIGATED. NON PCB. ONE VENDER IS CHECKING THE WATERWAYS BUT THEY DO NOT THINK THAT THEY ARE AFFECTED. NRC # 786142. CON ED # 162699.

DEC Investigator Remarks:

3/8/06: Met at site with Mike Pillig, Con Ed S&TO. There are 3 separate excavations surrounding 2 manholes. Excavations 1 and 2 (two northern-most holes) are down to weathered bedrock, and down to cobbles in excavation 3. All samples in exc. 3 are below 10,000 ppm TPH except for 2 sample locations (11,000 ppm and 10,600 ppm). No additional soil can be removed due to the presence of rock and proximity to overhead support columns. Excavations 1 and 2 both have several very high TPH results (up to 30,700 ppm), but also can't excavate any further.

Contacted Matt Madsen of COn Ed's Remediation group - this spill location is part of Appendix B site 69 - to be investigated by Langan Engineering under approved work plan. They have already started the utility clearance . We agreed to have Pillig leave 2 x 8" PVC sleeves (one each in exc. 1 and 2) to allow Langan to install monitoring wells at a later date. Told Pillig to backfill excavations. (JHO)

3/9/06: e-maill from Mike Pillig:
"As we discussed, we are going to backfill all of the excavations leaving PVC pipe in the middle and north excavation to mark monitoring well locations. The site will be restored and turned over to EHS Remediation to install the monitoring wells and track the spill though to eventual closure." (JHO)

~~~~~~~~~~~~~~~~~~~~~~
e2mis no. 162699:

24-Jan-2006 - Leak declared on Feeder M52 at 13:30 hours due to tank level discrepancy of 1500 gallons at West 49th St S/S pumphouse #2. Leak rate is approximately 8 gallons per hour. Feeder M52 runs between the West 49th St S/S (637 West 49Th St,N.Y.,N.Y. 10036 and the Sprainbrook S/S. The feeder crosses the Harlem River betwwen the 155Th Street and 225Th STreet Bridges. ERT notified at 13:35 hours and Ken Marines Boat was requested to patrol river crossing. Chem Lab to dispatch PFT vans to patrol run of feeder. Gas Corrossion and Transmission Ops to inspect underground structures and feeder run. Substation Ops to inspect all associated equipment.

At 15:30 PFT found in air at Broadway and 125th St. Investigation of manholes in area found fresh dielectric fluid in manhole 61734 @ Tiemann Pl and Broadway. [NOTE - see spill # 0512334, JHO] At 16:40 Allstate tanker on site and beginning to pump out manhole.

At 17:25 1/24/06 a temporary clamp was installed and holding. Allstate continues to pump out and clean manhole. Manhole wall to be broken out to make permanent repairs.

Map Identification Number 21 **COLUMBIA UNIVERSITY** **Spill Number: 0506154** **Close Date:**
615 WEST 131ST STREET LLC NEW YORK CITY, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 1561 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: 615 W 131ST ST
Revised zip code: NO CHANGE
~~~~~~~~~~~~~~~~~~~~~~

Source of Spill: UNKNOWN
Spiller: JOHN VASAPOLLO - JOHN VASAPOLLO
Spiller Phone: (718) 482-0700 ext. 1
Notifier Type: Other
Notifier Name: TARAK KHOURI
Notifier Phone: (212) 479-5450
Caller Name: TARAK KHOURI
Caller Agency: CONSULTANT
Caller Phone: (212) 479-5450
DEC Investigator: rmpiper
Contact for more spill info: JOHN VASAPOLLO
Contact Person Phone: (718) 482-0700 ext. 1

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/18/2005		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN MATERIAL	OTHER	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

FOUND A SHEEN IN THE SOIL DURING A PHASE TWO TEST, THE SHEEN IS 8 - 10 FEET DEEP IN THE GROPUND. SOIL; SAMPLES WERE TAKEN.

DEC Investigator Remarks:

8/18/05 - Raphael Ketani. I spoke to the consultant today, Mr. Tarak Khouri. He told me that they are doing borings in the basement of an intact building. The last boring will be on 8/19. The building is at Columbia University, though he didn't specify that Columbia owned the building. They are boring to 20ft. A sheen was seen in the moist soil, but there are no USTs or ASTs in the basement. A phase 1 investigation revealed that this was a former Con Ed mgp site. Soil samples were sent to Spectrum Analytical, a DOH certified lab, for full soil analysis. The soils have a petroleum odor (high PID readings). After the investigation, the building will be demolished and all soils will be shipped via a hazardous waste transporter. The soil will be excavated down to 15 feet. A soil analytical report will be sent to Jeff Vought of the Spills unit.

8/19/05 - Raphael Ketani. I left a message for John Vasapollo (718) 482-0700 ext. 132 to call me back, regarding who the actual owners are and their address, on his voice mail.

4/1/06-Vought-Received message from Ilkay Cam (Langan 212-479-5410 fax 212-479-5444). Six tanks were found and removed and endpoint samples were collected. Vought called Ilkay Cam and left message to return call to DEC. Vought received call from and spoke to Cam and concrete slab under tanks. Slab and tanks were in good condition. No bottom endpoint samples were collected as concrete slab and no staining on slab. Tanks were removed because Columbia is going to install a new elevator shaft. During excavation for shaft, tanks were discovered. Tanks were 550-gallon gasoline USTs. PBS registration was submitted and five endpoint samples were collected. No VOC exceedences in samples and SVOC exceedences in PAHs. Excavation difficult to extend due to existence of piers. One fill line coming from street and fill line was filled with concrete. DEC will receive complete report. RP address will be sent in and Langan and site contact is:

John Vassapollo soil contamination letter will be sent with additional requirements of: 1)endpoint soil sampling 2)delineation of soil and groundwater contamination. Vought received email from
615 W 131st Street

c/o First Pioneer Properties, Inc.
34-09 Queens Boulevard
Long Island City, NY 11101.

4/4/06-Vought-Sent soil contamination letter with above requirements.

05/15/06-Vought-Received call from John Vassapollo (718-482-0700x132 917-838-0118) and returned call and left message to return call to DEC. Vought received call and spoke to Vassapollo and delivery of number 4 to site and tank was overfilled. Spill into boiler room. No sewers or drains affected. Spill was on concrete. Boiler room is on north side of building and tanks referred to above are on south side of building. Columbia is tenant and John is the building manager and Columbia will be handling elevator shaft remediation but Vassapollo requested CC'd on DEC correspondence.

05/17/06-Vought-Spill transferred from DEC Vought to DEC Piper as per DEC Austin.

08/11/06-Vought-Received call from Vassapollo who requested no further action on north side of spill. (Tanks referred to above in previous comments are located on the south side of site that require further action). No further action on north side of site required by DEC Vought due to spill on concrete and no impact to subsurface. Further action on south side of site will be handled by DEC Piper via Langan Engineering.

9/13/06- DEC Piper spoke w/ Ilkay at Langan Engineers. AS per conversation, a toral of seven tanks have been removed. Closure report is under review and will be submitted shortly.

Map Identification Number 22 **SKYLINE WINDOWS** **Spill Number: 0304592** **Close Date:**
625 WEST 130TH ST MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 1615 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL Spiller: Spiller Phone:
Notifier Type: Other Notifier Name: Notifier Phone:
Caller Name: MICHAEL MORRIS Caller Agency: ATC ASSOC Caller Phone: (212) 353-8280
DEC Investigator: kkchanda Contact for more spill info: MICHAEL MORRIS Contact Person Phone: (212) 353-8280

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/31/2003		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	0	GALLONS	0	GALLONS	GROUNDWATER
OTHER PETROLEUM	UNKNOWN	0	GALLONS	0	GALLONS	
OTHER	OTHER	0	GALLONS	0	GALLONS	GROUNDWATER

Caller Remarks:

RECV RESULTS FROM A RELEASE - SHOWS ELEVATED VOLOTABLE ORGANICS

IN GROUND WATER AND SOIL

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIPPLE"
9/11/03 TIPPLE UPDATING// CALL FROM ATTORNEY//WANTS TO GET CLEANUP GOING//ATC TO DO WORK// WILL CONTACT DEC & PRESENT DATA TO DATE OLD TANKS EITHER UNDER BUILDING OR BELOW PARKING LOT.

FRED UMANE ATTORNEY WORKING FOR -- ZEICHNER ELLMAN AND KRAUSE

575 LEX AVE --212-826-3509

6/29/04 tIPPLE UPDATING//ATC has not done any work since proposal to PRP. Attorney does not answer phone// sent letter to PRP.

10/28/05 - ATC conducted a site investigation, installed 4 wells, sampled the GW and found some contamination. They think it is from an off-site source. Will send in the report to DEC for review. - KST

11/4/05 - assigned to Jon Kolleeny for PM assignment. Sent an email to ATC requesting a hardcopy of teh report for review. - KST

11/4/05- The case is reassigned to I. Islam.

11/8/05- Today received from Koon the hard copy of the RI and Exposure assessment (combined) for the site prepared by ATC Assoc. for review.- II

12/14/05- Reviewed the above-mentioned RI and Exposure Assessment report submitted by ATC Inc. ATC argues that the contamination may be coming from an off-site source, and that the contamination does not pose an exposure hazard. Accordingly, they request closure of the spill.

The Department responds as follow: The spill case cannot be closed at this time. The high levels of soil and groundwater contamination identified beneath the basement are suggesting of an on-site source.

The Department requests the following actions:

1. Additional monitoring wells should be installed and soil and groundwater samples collected to more completely delineate the area of contamination, and better determine the groundwater flow direction.

2. Indoor air sampling should be performed in the basement, and sub-slab soil gas samples should be collected to evaluate potential vapor impacts to the site.

The RP is told by a letter with a copy to ATC Inc. to submit a work plan for additional investigation of soil and groundwater, indoor air and sub-slab soil gas sampling for Departmental review and approval. The results of these investigative activities should be summarized in a report with a remedial proposal to address site conditions.- II

07/31/06: Transferred to S.Kraszewski. - SK

10/18/06: Changed DEC Lead from "Needs Reassign" to "Stephen Kraszewski." - JK

11/09/06: Reassigned from Stephen Kraszewski to Chanda.(Chanda)

12/11/06:Kartik Chanda of DEC sent a letter to the property owner(Steven Kraus), requiring that be submuitted a site investagation work plan to DEC for approval by 01/25/2007, as required in the previous letter.

12/28/06:Chanda received a phone call from Pamela Oelerich, Ph:212-432-8545(ATC)concerning the status of the site.

01/19/07: Chanda received an e-mail from Pamela Oelerich , ATC Associated Inc., with attached the Site Investigation Work Plan.

01/23/07: Chanda reviewed the site investigation work plan, prepared by ATC Associates Inc., dated 01/19/07. On 1/23/07, Chanda approved the Investigation Work Plan, requiring that an investigation summary report must be submitted to DEC for review by March 23,2007.

3/2/07: Chanda received a letter from Pemela Oelerich , ATC Associates Inc. regarding time extension request to submit the investigation summary report.
The Department approved the extension and sent a letter to RP(Steven Kraus) and his consultant(Pamela Oelerich), requiring that an investigation summery report be submitted to the department for review by April 23, 2007.

5/8/07: Chanda received an Investigation Summary Report (ISR)prepared by ATC Associates Inc., dated May 7, 2007.

5/15/07: Chanda reviewed the Investigation Summary Report and has the following comments:

1. The soil analytical results from soil borings SB-MW-05 and SB-MW-06 showed elevated levels of VOCs. The levels of BTEX concentrations ranged from 82.22 ppm to 137.58 ppm. The soil samples exceed NYSDEC standards for Recommended Soil Cleanup Objectives for gasoline contaminated soils.

2. The groundwater (GW) analytical results showed elevated levels of VOCs for monitoring wells MW-02, MW-03, MW-04, MW-05, MW-08, and MW-09. The levels of BTEX concentrations ranged from 16.99 ppb to 444.60 ppb. The high VOC concentrations indicated that the GW had been contaminated and thus, are required to be remediated and monitored.

3. The sub-slab vapor analytical results from samples SSV-03 and SSV-04 showed elevated levels of VOCs and Toluene. The levels of toluene concentration ranged from 3,100 g/m3 to 4,500 g/m3, which are above the NYSDOH Background Levels.

4. The indoor air analytical results from samples IA-01, IA-02, IA-03 and IA-04 showed elevated levels of VOCs and Toluene. The levels of toluene concentration ranged from 4,000 g/m3 to 6,900 g/m3, which are above the NYSDOH Background Levels.

5/16/07: Kartik Chanda of DEC sent a letter to RP(Steven Kraus) and his consultant (Pamela Oelerich) ATC Associates Inc.The Department requires the followings:

1. Quarterly Groundwater Sampling.
2.One Semi-Annual Indoor Air and Sub-Slub Vapor Samplings. Additional investigation may be required by the Department upon review of these monitoring reports.

Map Identification Number 23 **BROADWAY** **Spill Number: 9710119** **Close Date:**
LASALLE AV MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1629 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: BROADWAY / LA SALLE ST
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	WILLIAM MURPHY - CON EDISON	Spiller Phone:	(212) 580-6765
Notifier Type:	Responsible Party	Notifier Name:	MR HEGERTY	Notifier Phone:	
Caller Name:	WILLIAM MURPHY	Caller Agency:	CON ED	Caller Phone:	(212) 580-6765
DEC Investigator:	JHOCONNE	Contact for more spill info:	WILLIAM MURPHY	Contact Person Phone:	(212) 580-6765

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/02/1997		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIELECTRIC FLUID	PETROLEUM	5000	GALLONS	0	GALLONS	SOIL

Caller Remarks:

LEAK ON FEEDER M-51 - 5000 GALS SPILLED - 300 IS ON LAND - NO CLEAN UP - CREW TRYING TO CONTAIN SPILL BY FUNNELING PRODUCT INTO ANOTHER MANHOLE - PRODUCT IS NON PCB

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"

12/2/97, 18:15 hrs: Arrived on scene, met with Paul Carbone (Con Ed ERT). Also FDNY, NYCDEP on scene. Spill came out of a manhole onto street. Con Ed crews chanelling oil to downhill manholes. FDNY was first on scene and kept spilled oil near manhole using sorbents and sand. No oil to sewers. MEG scheduled to arrive 19:10 hrs.

Keith Williams (DEP) checking sewers - no impacts. NYPD Captain Murolo (26th Pct) said that DOS had sanded road up to 160th Street for cars that drove through. DEP HazMat (M. Fawzy and E. Catanzarro) took sample of oil for PCBs. USCG (P.O. Fleischer adn Sanker), NYCOEM (Mike Lee) on scene.

Originally the operating pressure on the feeder was 300 - 600 psi (500 - 1000 gph). Dropped to 260 psi, then reduced to 155 psi (250 gph). Can't go lower because must keep min pressure at Sprain Brook potheads. Total volume 600 gallons from manhole.

As of 20:44 hrs, Jerry Materazzo (Con Ed Underground Transmissions) said they were going to close stop joints to reduce flow enough to put clamp on leak.

21:39: still have not plugged line - have filled 2 vac trucks, working on the third. Two more vac trucks and a frac tank are on route. Closed one stop joint north of leak, will lower pressure south of the joint as low as possible. Still can't get clamp on, will have to lower pressure more and then bleed stop joints. (CAE)

4/15/03: APPENDIX B SITE NO. 69. TRANSFERRED FROM ENGELHARDT TO O'CONNELL.

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e2mis no. 113-403:

ON 12/02/97 AT 1830 HRS HPFF LEAK ON FDR M51 IN MANHOLE # 61734 ON WEST BROADWAY ABOUT 100FT SOUTH OF TIEMANN PLACE ALSO KNOWN AS WEST 127TH ST. APPROX 5000 GALS WAS LOST, UNDERGROUND TRANSMISSION AND GAS OPERATIONS IS ON SITE.

FIRE DEPARTMENT NOTIFIED MAN. CONTROL CENTER AT 1635HRS ON 12/02/97, FIRST CREW RESPONDED TO MANHOLE #61734 AT 1700 HRS. APPROX 400 GALS LEAKED ONTO STREET WHEN HE ARRIVED AT SITE AND DIVERTED THE DIELECTRIC FLUID BACK INTO MANHOLE.

Intersection should be 123rd St not 127th. 16:45 TO notified of very large leak on feeder 51. Crews to check manholes PFT van to go out. 17:00 NYCFD notified Manhattan #9 of dielectric fluid on street surface on Broadway south of 125th St. Clean Harbors and MEG called for cleanup. VNR called for excavation if necessary.

NYC Dept of Sanitation spreading sand on street. Southbound Broadway closed off south of 125th Street. 17:21 feeder removed from service. Fluid being diverted into second manhole approx 50'

south of 61734. 18:30 MEG on location pumping manhole out. 19:00 MEG cannot keep up with flow of fluid. 19:15 Clean Harbors on location to assist MEG. 20:05 TO crews closed new stop joint valves in MH63639 to hold fluid back going uphill to Sprainbrook Sta. After 5 hours could not fully stop leak. Semi-stops on both sides of leak to be closed to control leak. MEG and Clean Harbors working on cleaning up street to open at least 1 lane of southbound traffic by 7AM. Pump at 49th St shutdown at 8:15
~~~~~~~~~~~~~~~~~~~~~~~~

12/3/97. Leak rate slowed down - clamp to be repositioned to stop leak.

Temporary clamp installed and holding at 11:45 12/3/97. MEG to clean out manhole and custom barrel to be fabricated. Lab results 97-13945 1 ppm PCB's: MEG lab 0.624 ppm Benzene. Lab results of fluid at stop joint (10/15/97) 14 ppm benzene. 05:15 12/5/97 repair barrel installed and pressure tested. TO signed off complete. MEG removed 31,000 gallons of oil and water. Clean Harbors removed 10 tons and 15 yds of oil contaminated material from street and manhole.

Fluid loss recalculated by CSD to be 22,934 gallons.

E2MIS 113403:

ON 12/02/97 AT 1830 HRS SHIFT MANAGER J. CLARK #20420 REPORTED HPFF LEAK ON FDR M51 IN MANHOLE #61734 ON WEST BROADWAY ABOUT 100FT SOUTH OF TIEMANN PLACE ALSO KNOWN AS WEST 127ST. APPROX 5000 GALS WAS LOST, UNDERGROUND TRANSMISSION AND GAS OPERATIONS IS ON SITE. P. BYRNES #74864 AT 1845HRS ON 12/02/97.

SUPV. P. MCHUGH REPORTED THAT FIRE DEPARTMENT NOTIFIED MAN. CONTROL CENTER AT 1635HRS ON 12/02/97, FIRST CREW RESPONDED TO MANHOLE #61734 AT 1700HRS. P. MCGRATH REPORTED THAT APPROX 400 GALS LEAKED ONTO STREET WHEN HE ARRIVED AT SITE AND DIVERTED THE DIELECTRIC FLUID BACK INTO MANHOLE.

Intersection should be 123rd St not 127th. 16:45 TO notified of very large leak on feeder 51. Crews to check manholes PFT van to go out. 17:00 NYCFD notified Manhattan #9 of dielectric fluid on street surface on Broadway south of 125th St. Clean Harbors and MEG called for cleanup. VNR called for excavation if necessary. NYC Dept of Sanitation spreading sand on street. Southbound Broadway closed off south of 125th Street. 17:21 feeder removed from service. Fluid being diverted into second manhole approx 50' south of 61734. 18:30 MEG on location pumping manhole out. 19:00 MEG cannot keep up with flow of fluid.

19:15 Clean Harbors on location to assist MEG. 20:05 TO crews closed new stop joint valves in MH63639 to hold fluid back going uphill to Sprainbrook Sta. after 5 hours could not fully stop leak. Semi-stops on both sides of leak to be closed to control leak. MEG and Clean Harbors working on cleaning up street to open at least 1 lane of southbound traffic by 7AM. Pump at 49th St shutdown at 8:15 12/3/97. Leak rate slowed down - clamp to be repositioned to stop leak.

Temporary EPA # NYP 004015293 received from ERT. Temporary Clamp installed and holding at 11:45 12/3/97. MEG to clean out manhole and custom barrel to be fabricated. 3-11 shift 12/3/97 repair barrel material being gathered. 11-7 shift 12/4/97 barrel fabricated. Lab results 97-13945 1 ppm PCB's : MEG lab .624 ppm Benzene. Lab results of fluid at stop joint (10/15/97) 14 ppm benzene. 11:00 12/4/97 barrel installed and welding started. 05:15 12/5/97 repair barrel installed and pressure tested. TO signed off complete. MEG removed 31,000 gallons of oil and water. Clean Harbors removed 10 tons and 15 yds of oil contaminated material from street and manhole.

V.Schaefer #78367. Restoration procedure to be followed to return feeder to service. As per CSD total fluid loss was 23,934 gallons. Fluid loss recalculated by CSD to be 22,934 gallons.

Map Identification Number 24 **MANHOLE IN FRONT OF** **Spill Number: 9811358** **Close Date:**
433 WEST 123RD ST MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1726 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: Affected Persons
Caller Name: TONY CONSTANTINE
DEC Investigator: JHOCONNE

Spiller: UNKNOWN
Notifier Name: MR ROMANO
Caller Agency: CON EDISON
Contact for more spill info: TONY CONSTANTINE

Spiller Phone:
Notifier Phone: (212) 580-6763
Caller Phone: (212) 580-6763
Contact Person Phone: (212) 580-6763

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/09/1998		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

will be cleaned up pending lab results ref #121832

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ENGELHARDT"

Map Identification Number 25 **APART** **Spill Number: 0612457** **Close Date:**
480 ST NICHOLOS AVE NEW YORK, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P3)
Approximate distance from property: 1745 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: 480 SAINT NICHOLAS AVE
Revised zip code: 10030

Source of Spill:	INSTITUTIONAL, EDUC, GOV, OTHER	Spiller:	JACK - ATTORNEY - APART	Spiller Phone:	(908) 252-4262
Notifier Type:	Other	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	SFRAHMAN	Contact for more spill info:	JACK - ATTORNEY	Contact Person Phone:	(908) 252-4262

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/14/2007		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

PBS No: 2-201103
FOUND CONTAMINATED SOIL

DEC Investigator Remarks:

Sangesland spoke to Jack Caslatte (attorney for owner).
Building is an apartment building which is being renovated. There is an existing 20,000 gal UST buried in a courtyard of the building.
The building will convert to gas heat in June/July 2007 and this large tank will be removed. 4 Borings were taken around the tank and one sample came back with some elevated PAH coumpounds while another sample came back with an elevated Benzo(a)Pyrene level.
The owner will hire Soil Mechanics Environmental to pull the tank and deal with the contaminated soil/area under the tank.

CSL sent to Owner:
Philip's Park Housing Development Fund Corp.
c/o Mr. Bernard Warren
Webb & Brooker Inc.
2534 Adam Clayton Powell Blvd.
New York, NY 10039

Map Identification Number 26 **W132NS ST PURS UNIT R4 (M52S)** **Spill Number: 0203037** **Close Date:**
630 WEST 132ND STREET MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 1751 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: 630 WEST 132ND ST
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: Other
Caller Name: MARK SCHLAGEL
DEC Investigator: JHOCONNE

Spiller: UNKNOWN - UNKNOWN
Notifier Name: MARK SCHLAGEL
Caller Agency: CON EDISON
Contact for more spill info: CALLER

Spiller Phone:
Notifier Phone: (212) 580-6763
Caller Phone: (212) 580-6763
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/22/2002		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

stain of unk oil on a metal plate clean up pending remediation program coned#143504

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "FOLEY"

Con Ed e2mis #143504

3/23/07: Con Ed Chad Pfeiffer submitted results of samples collected following remedial excavation. Results are in eDocs. Sent e-mail to Pfeiffer:

"As per our telephone conversation, I am concerned that a number of these composited samples have relatively high TPH values. This leads me to conclude that at least one of the grab samples that comprised the composite would exceed the cleanup goal of 10,000 ppm. As such, we agreed that you would have the contractor remove some additional bluestone/soil and re-sample utilizing grab samples.

The locations to be re-excavated are:

1. Area R2-NE

2. Area R2-E
3. Area R2-sw
4. Area R4-NW
5. Area R4-W
6. Area R4-SW

For sampling (TPH only, in this case) we should use the following guidelines:

For a narrow excavation (i.e., less than 5 feet wide), collect one grab sample per 10 linear feet of excavation and one from each end. For example, for a 10 foot long excavation, you would collect 3 samples total (one from each end, and one from the center of the excavation). If the trench is wider, collect same linear distance , but one from each side of the excavation." (JHO)

3/30/07 - second round of samples collected - still have high TPH (actually higher than shallow soils). Requested additional excavation. Con Ed (Chad Pfeiffer) indicated that additional excavation may not be possible due to undermining of unit. Will meet at site to discuss options. (JHO)

5/3/07: Inspected location with Con Ed (Chad Pfeiffer and Vic Faster) - they will conduct additional sampling along west side of unit to delineate extent of remaining contamianted soil. See eDocs for analytical results and site photos.(JHO)

Map Identification Number 27 **W 132NS ST PURS UNIT R2 (M52N)** **Spill Number: 0203032** **Close Date:**
WEST 132ND ST MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 1751 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: 630 WEST 132ND ST
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: Responsible Party
Caller Name: KEVIN MCCARDLE
DEC Investigator: JHOCONNE

Spiller: CALLER - CON ED
Notifier Name: KEVIN MCCARDLE
Caller Agency: CON EDISON
Contact for more spill info: CALLER

Spiller Phone: (212) 580-6763
Notifier Phone: (212) 580-6763
Caller Phone: (212) 580-6763
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/22/2002		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

stain of oil on blue stone coned#143503

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "FOLEY"

Con Ed e2mis #143503

3/23/07: Con Ed Chad Pfeiffer submitted results of samples collected following remedial excavation. Results are in eDocs. Sent e-mail to Pfeiffer:

"As per our telephone conversation, I am concerned that a number of these composited samples have relatively high TPH values. This leads me to conclude that at least one of the grab samples that comprised the composite would exceed the cleanup goal of 10,000 ppm. As such, we agreed that you would have the contractor remove some additional bluestone/soil and re-sample utilizing grab samples.

The locations to be re-excavated are:

1. Area R2-NE
2. Area R2-E
3. Area R2-sw
4. Area R4-NW
5. Area R4-W
6. Area R4-SW

For sampling (TPH only, in this case) we should use the following guidelines:

For a narrow excavation (i.e., less than 5 feet wide), collect one grab sample per 10 linear feet of excavation and one from each end. For example, for a 10 foot long excavation, you would collect 3 samples total (one from each end, and one from the center of the excavation). If the trench is wider, collect same linear distance , but one from each side of the excavation." (JHO)

3/30/07 - second round of samples collected - still have high TPH (actually higher than shallow soils). Requested additional excavation. Con Ed (Chad Pfeiffer) indicated that additional excavation may not be possible due to undermining of unit. Will meet at site to discuss options. (JHO)

5/3/07: Inspected location with Con Ed (Chad Pfeiffer and Vic Faster) - they will conduct additional sampling along west side of unit to delineate extent of remaining contamianted soil. See eDocs for analytical results and site photos.(JHO)

Map Identification Number 28 **MANHATTANVILLE DEPOT -NYCT** **Spill Number: 9506400** **Close Date:**
666 WEST 133RD STREET MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1825 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: 666 W. 133RD STREET
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Affected Persons
Caller Name: ERIC JONES
DEC Investigator: MCTIBBE

Spiller: SAME
Notifier Name:
Caller Agency: NYC TRANSIT
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone: (718) 243-4581
Contact Person Phone:

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/24/1995		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
WASTE OIL/USED OIL	PETROLEUM	-1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

CALLED THE SITE FOR DON BORNKAMP, HE WAS NOT HTERE, BUT ON OF THE EMPLOYEES SAID THAT IT WAS JUST SOME OIL IN A OIL/WATER SEPARATOR. NO SPILL

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
see also 96-00202. transfered from Hale to Tibbe on 12/27/00.

Map Identification Number 29 **MANHATTENVILLE DEPOT** **Spill Number: 0601281** **Close Date:**
666 WEST 133RD STREET MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1825 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN | Spiller: RACHEAL KROWN - MANHATTENVILLE DEPOT | Spiller Phone: (646) 252-5773
Notifier Type: Responsible Party | Notifier Name: | Notifier Phone:
Caller Name: | Caller Agency: | Caller Phone:
DEC Investigator: rmpiper | Contact for more spill info: RACHEAL KROWN | Contact Person Phone: (646) 252-5773

Spill Class: POSSIBLE REL WITH MIN POTENTIAL FOR FIRE OR HAZARD (OR KNOWN REL W/ NO DAMAGE);NO DEC RESP;WILLING RP;CORR ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
05/03/2006		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
WASTEWATER	OTHER	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

A CONTRACTOR IS COMING OUT ON FRIDAY TO VACUM IT OUT, CONTAINED IN THE PITS, THIS PRODUCT IS A MIXTURE OF WATER AND OIL

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 30 **MANHATTAN DEPOT - VAULT -NYCT** **Spill Number: 0105323** **Close Date:**
666 WEST 133RD STREET MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1825 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: 666 W 133RD ST
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN | Spiller: CALLER - NYC TRANSIT | Spiller Phone:
Notifier Type: Responsible Party | Notifier Name: ERIC JONES | Notifier Phone:
Caller Name: GEORGE BASSIL | Caller Agency: NYC TRANSIT | Caller Phone: (718) 243-4581
DEC Investigator: MCTIBBE | Contact for more spill info: GEORGE BASSIL | Contact Person Phone: (718) 243-4581

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/16/2001		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

fuel vault leaked - unk how or why

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
8/16/01 - PRODUCT FOUND IN DIESEL VAULT WELL. CPM CONTRACTOR DELAYED IN NOTIFYING CPM. ONCE CPM WAS NOTIFIED, THEY CALLED ME AND THEIR SYSTEM SAFETY WHO MADE NOTIFICATION TO THE HOTLINE. SYSTEM WAS TURNED OFF. DOS PRESSURE TESTED ALL FILL LINES. ALL PASSED. CHECKED ALL TANK INTERSTITIAL SPACES. NO PRODUCT FOUND. CHECKED INTERSTITIAL SENSORS. ALL WORKING. PRESSURE TESTED ALL DISPENSER LINES. TANK 1&2 DISPENSER LINE FAILED. THE DISPENSER LINE FOR TANKS 1&2 WILL BE TESTED TOMMORROW FOR A LEAK RATE. PRODUCT FOUND IN THE SECONDARY. VAULT WELL PUMPED UNTIL DRY. 3500 GALLONS OF DIESEL RECOVERED. I ALLOWED THEM TO RESTART THE REST OF THE TANKS SO THEY COULD START FUELING THE BUSES.

Map Identification Number 31 **WATTS** **Spill Number: 0603999** **Close Date:**
98 MORINGING SIDE AVE NEW YORK, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 1984 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: 98 MORNINGSIDE AVE
Revised zip code: 10027

Source of Spill: PRIVATE DWELLING Spiller: D. WATTS - WATTS Spiller Phone: (718) 593-4133
Notifier Type: Local Agency Notifier Name: Notifier Phone:
Caller Name: Caller Agency: Caller Phone:
DEC Investigator: HRPATEL Contact for more spill info: D. WATTS Contact Person Phone: (718) 593-4133

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/11/2006		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN MATERIAL	OTHER	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

D. WATTS ALTERNATE # 212-864-1597 FIRE DEPT WAS REQUESTING INSPECTOR TO INVESTIGATE SPILL: SOME KIND OF OIL CALLER LIVES IN APARTMENT # 7 (WATTS)

DEC Investigator Remarks:

07/12/06-Hiralkumar Patel. received during off hours duty on 07/11/06. visited site. spoke with Jeraldo Merejildo (646-879-7799), super of building. property has 5000 gal #6 oil AST. tank is in contact of concrete. as per super, during last oil delivery they had overfill and oil spilled at vent pipe, about a month ago. and little oil came out from top of tank in tank room. they cleaned both oil spills immediately, but left speedy dry at location. when i reached on site, Ms. Watts was not at home. vent pipe is right under Ms. Watts living room window about 2-3 ft below. probably what ever oil soaked in speedy dry, under vent pipe, is getting vaporized due to heat and getting into Ms. Watts apartment. asked super to clean immediately area under vent pipe and clean inside tank room also. asked Ms. Watts to close windows for couple of days. no oil observed or odor in tank room as well as at vent pipe

observed oil stains in tank room as well as in boiler room. little oil on top of water in sump. asked super to clean all stains and sump. mat Andrew Kelly (718-595-4761) from DEP at site. he also observed oil in sump.

Managing agent:
Pan Paragon
95 Delancey Street
Manhattan, NY 10002
Ph. (212) 254-4374
FAX (212) 353-0564

PBS # 2-195790
PBS registration has expired on 7/7/02.

spoke with Ms. Paragon. they baught this property two years ago.

sent out CSL with tank registration and tank test requirements to Ms. Paragon. faxed to Ms. Paragon.

08/07/06-Hiralkumar Patel. received message from Ms. Watts (212-864-1597). she still receive odor in her apartment.

08/10/06-Hiralkumar Patel. left message for Ms. Paragon. spoke with super at building. he has clean area under vent pipe and painted it. asked him to check Ms. Watts apartment for any odor.

08/16/06-Hiralkumar Patel. left message for Ms. Watts. spoke with Ms. Paragon. she has received letter from the department and is working on it. visited site. found no odor anywhere in building. Ms. Watt was not at home so couldn't check in her apartment.

11/24/06-Hiralkumar Patel. spoke with Ms. Paragon. she found tank registration certificate and will fax it. she hasn't hired anybody for tank test. asked Ms. Paragon to send tank test result by Dec. 15, 2006.

12/16/06-Hiralkumar Patel. spoke with Ms. Paragon. asked her to send tank test result. as per her, they have mailed tank registration/renewal form to the Department. Ms. Paragon will fax tank test result.

12/18/06-Hiralkumar Patel. spoke with Ms. Paragon. she will fax tank test result today.
12/19/06-Hiralkumar Patel. spoke with Ms. Paragon. she told that she has faxed tank test result twice, but i haven't received yet. asked Ms. Paragon to fax it again.
spoke with Ms. Paragon again. she told that she has faxed that result. i haven't received it yet. asked Ms. Paragon to mail tank test result.

01/02/07-Hiralkumar Patel. spoke with Ms. Paragon. she mailed tank test result on 12/28/06. checked PBS record. no update in PBS. it still shows registration expired. left message for Ms. Paragon.

01/09/07-Hiralkumar Patel. left message for Ms. Paragon.
01/12/07-Hiralkumar Patel. left message for Ms. Paragon.
spoke with DEC Jacob. he asked to refer case to PBS unit as it is violation having unregistered tank at site. sent email to Jacob with property manager's contact info.

Map Identification Number 32 **MANHOLE #60248** **Spill Number: 0611137** **Close Date:**
12 AVENUE & ST. CLAIR'S PLACE MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2019 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: 12TH AVE / SAINT CLAIRE PL
Revised zip code: 10027

Source of Spill: UNKNOWN Spiller: CON EDISON Spiller Phone:
Notifier Type: Affected Persons Notifier Name: Notifier Phone:
Caller Name: Caller Agency: Caller Phone:
DEC Investigator: JHOCONNE Contact for more spill info: Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/05/2007		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SEWER

Caller Remarks:

500 gallons of unk oil in 2 gallons of water in a manhole 15' north of St Clairs Place ConEd ref #203955. No to the 5 questions.

DEC Investigator Remarks:

203955. see edocs.

ConEd reports product tests as No.6 FO. May be related to 0611095.

2/21/07: site visit conducted with Sarah Carlson (DEC Pet. Rem.) and Anthony Drummings (Con Ed Man EH&S). Oil was found in 2 manholes, both located downgradient of Columbia University spill (see spill no. 0212031). Oil may be residual from spill reported in 2002. Conduits connect these manholes to 2 vaults/manholes up the hill next to the fill line for CU's tanks. The fill line was found to be leaking, and was excavated and repaired. TRC (consultant for CU) installed ORC injection field for remediation. S. Carlson to follow up with CU, TRC. (JHO)

Map Identification Number 33 **FEEDER M52** **Spill Number: 9815046** **Close Date:**
BROADWAY / 123RD ST NEW YORK CITY, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2048 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: BROADWAY / W 123RD ST
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Responsible Party
Caller Name: BILL MURPHEY
DEC Investigator: JHOCONNE

Spiller: CALLER - CON ED
Notifier Name: MR RHEIN
Caller Agency: CON ED
Contact for more spill info: BILL MURPHEY

Spiller Phone: (212) 580-6763
Notifier Phone:
Caller Phone: (212) 580-6763
Contact Person Phone: (212) 580-6763

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
03/19/1999		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIELECTRIC FLUID	PETROLEUM	329.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

FEEDER LINE RUNS BETWEEN THE 2 STATIONS (SECOND STATION ON TUCKAHOE

ROAD IN YONKERS) THERE IS A DISCREPENSY IN THE AMOUNT OF OIL

IN THE RESERVE TANK - STILL UNDER INVESTIGATION

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"

3/21/99: Leak located at Broadway and 123rd St., Manhattan.

3/22/99, 10:15 AM: met at site with Joe Floryshak (Con Ed Remediation). East wall of excavation is TA subway roof. West and bottom are bedrock. North and south are soil. Will take one composite and one grab sample from each of 2 end walls (N & S) for BTEX, TPH df. (JHO)

3/22/99: ERT Bill Wallace called - updated leak amount is 525 gallons. (JHO)

APPENDIX B SITE NO 69.

7/17/01, 3:18 PM - e-mail from Leon Paretsky:
"Jane - as discussed here are our sampling grids for old, historic spills. TCLP benzene will be taken at the repair location - center and east and west walls. I've highlighted the benzene sample location in yellow. Please call me if you have any questions.

"(A) Leak at 12rd Street {historic leak} E2MIS NO. 138256;(reference old 123721):

_____ east wall

EN16 EN12 EN8 EN4 E0 ES4 ES8 ES12 ES16

- - - - - - - - - - - - - <repair> - - - - - - - - - - - M52

CN16 CN12 CN8 CN4 X C0 CS4 CS8 CS12 CS16

- M51

WN16 WN12 WN8 WN4 W0 WS4 WS8 WS12 WS16

_____ westwall

Samples are to be taken at 4 foot interval, along the bottom of the trench (location "C"); along the East Wall (location "E") and along the West Wall (location "W"). The "wall" samples are to be taken 3 to 6 inches off the bottom of the excavation. Each

location will we analyized for TCLP benzene (at locations EO, CO and WO) and dielectric fluid by method 8100." (JHO)

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e2mis no. 123-721:

19-MAR-1999 @ 09:30 HP FEEDER M52 - FLOW METER DESCREPANCY OF 329 GALLONS AT WEST 49TH ST S/S PUMPHOUSE #2 INDICATE A SUSPECTED LEAK AT A RATE OF 13 GALLONS PER HOURS (NOTE LEAK RATE VERIFIED BY U.S.I.) LEAK COMMITTEE CONVENED PFT VANS DISPATCHED. GAS CORROSION AND UT TO PATROL RUN OF FEEDER. SSO CHECKING W49TH St TUNNEL AND PURS & POTHEADS AT W49TH S/S AND SPRAINBROOK S/S. ERT ADVISED TO REQUEST BOAT TO PATROL RIVER CROSSING BETWWEN FORDHAM RIVER BRIDGE AND 225TH STREET BRIDGE.

PFT crews sent back out. Manholes not to be checked since they were all checked 2 days ago (see E2MIS 123628). Barholes being checked from 125th St South to 115th St. High PFT areas found S/O 123rd St. Excavation started 20 feet south of 123rd St. Leak found at 00:45 3/20/99. Wood support block found in contact with bottom of 10 inch feeder pipe. Temp clamp installed at 02:00 3/20/99 leak stopped. Excavation continues for barrel installation. Temp EPA Id # NYP004032876 received from ERT for CTW disposal. 200 style barrel installation started at 11:30. Installation completed, pressure tested and 3rd party weld inspection completed at 21:00. Chem lab reports 99-02863 5.0 ppm PCBs.

Clean Harbors removed 20 cubic yards of material from leak site. CSD reports 649 gallons lost during this leak. On 3/22/99 Joe Floryshak visited leak site and spoke to Jane O'Connell (NYSDEC). Since there was rock directly under the feeder pipes there was no need for further excavation. Chem Lab took samples of soil in excavation and site was backfilled on 3/22/99. Chem Lab reports 99-02908 <1 ppb TCLP benzene in soil and 99-02894 22 ppm benzene in oil.

Map Identification Number 34 **ONE PINT OIL LEAKING FROM CABLE IN** WEST 130 STREET AT 12 AVENUE. **Spill Number: 0701987** **Close Date:** MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2049 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: W 130TH ST / 12TH AVE
Revised zip code: UNKNOWN

Source of Spill:	UNKNOWN	Spiller:	UNKNWON NAME - CON EDISON	Spiller Phone:	
Notifier Type:	Other	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	gdbreen	Contact for more spill info:	ERT DESK' MIKE DAUGHTERY	Contact Person Phone:	(212) 580-8383

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
05/16/2007		UNKNOWN	NO	NO
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Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

.13gal of material spilled .... spill was on the 72hr. clock. There is still oil coming in the manhole now making it reportable.
No impact to the environment. The spill is contained to the manhole. Clean up pending resources and lab results. ConEd#205903

DEC Investigator Remarks:

205903. see eDocs

Map Identification Number 35 **OPEN TRENCH** **Spill Number: 0410402** **Close Date:**
W 122 ST/MANHATTAN AVE MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2299 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: W 122ND ST / MANHATTAN AVE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN Spiller: UNKNOWN Spiller Phone:
Notifier Type: Local Agency Notifier Name: MR RICHARD PAGANO Notifier Phone: (212) 580-8383
Caller Name: SHIKARIDES,CHRIS Caller Agency: CON EDISON Caller Phone: (212) 580-6763
DEC Investigator: GDBREEN Contact for more spill info: Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/18/2004		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
MOTOR OIL	PETROLEUM	1.00	GALLONS	1.00	GALLONS	SOIL

Caller Remarks:

Caller reports spill on the south west corner. This is a third party spill. ConEd cleaned up the spill. It was completed at 1400.
No to the five questions. #156650.

DEC Investigator Remarks:

On 12/18 @ 14:10 Tegnazian # 72274 of CM informed me that while at S/W/C W122 St & Manhattan Av in an Open Trench that they were Fixing a gas main they noticed approx (1) gallon of motor oil and a filter in the trench. To their knowledge no sewer/waterway was affected, no private property was affected, no fire/smoke was involved. The source is a third party spill and the cause is unknown. The spill was in the soil excavation. The affected area was dug up and double bagged. (10) bags were filed. The cleanup was started at 13:45 and completed at 14:00 HRS on 12/18/2004. Transportation has been called and will respond to the location after 16:00 on 12/18/2004.

Map Identification Number 36 **MANHOLE 57772** **Spill Number: 0209867** **Close Date:**
12TH AV/NW 135TH ST MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2363 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: 12TH AVE / 135TH ST
Revised zip code: 10030

Source of Spill: UNKNOWN Spiller: UNKNOWN Spiller Phone:
Notifier Type: Other Notifier Name: MR MULDOON Notifier Phone: (212) 580-6763
Caller Name: ANDREW MORRIS Caller Agency: CON EDISON Caller Phone: (212) 580-6763
DEC Investigator: JHOCONNE Contact for more spill info: ANDREW MORRIS Contact Person Phone: (212) 580-6763

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/29/2002		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

CON ED 146512. CLEAN UP IN PROGRESS. 1 GAL MIXED WITH 400 GAL OF WATER.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "RODRIGUEZ"
E2MIS 146512

R . Allen # 10800 of manhattan fod reported to J.Moran 01182 that 05:15 hrs at the location of M57772 @ n/w/c W 135 St & 12 Ave working on feeder 2m28 found approx 1 gal of unknown substance with 400 gallons of water. The source and the cause are unknown.

There was no fire or smoke involved. There were no injuries related to the spill. Weather conditions did not contribute to the hazard of the spill. There is no evidence of release to sewer or waterways. There is standing water but no visual movement. Spill tag # 33499 was installed. Two liquid samples were taken one for PCB and one for oil I.D. on a priority E basis. Chain of custody form # BB06962 was used. The spill is contained.

Account# f3243 is being used. Cleanup pending Chem. Lab results since it is an unknown substance.

C.I.G A.Morris #85791 notified @ 07:02

UPDATE 12/29/02 12:12 hrs

Aroclor 1242 < 1.0 ppm EPA 608/8082

Aroclor 1254 < 1.0 ppm EPA 608/8082

Aroclor 1248 < 1.0 ppm EPA 608/8082

Aroclor 1260 < 1.0 ppm EPA 608/8082

Update 12-30-02 @ 05:30

Lab Sequence Number: 02-12110-001 Date Approved: 12/30/2002

E2 Incident Number: 146512 Date Received: 12/29/2002

Chain of Custody ID: AA21235 Date Sampled: 12/29/2002

Flash Point, COC > 140 deg F ASTM D92-01

Aroclor 1242 < 1.0 ppm EPA 608/8082

Aroclor 1254 < 1.0 ppm EPA 608/8082

Aroclor 1248 < 1.0 ppm EPA 608/8082

12/30/02 12:00 M. Demodna # 19654 Underground cleanup supervisor called to report that the cleanup is completed 100% at this time.

There was 1 bag of ppe generated with this cleanup.

There was 1,700 gallons of liquid removed from this structure.

The structure was double washed with slix & rinsed down with a flush truck.

Map Identification Number 37 **207 CONVENT AVE** **Spill Number: 9614561** **Close Date:**
207 CONVENT AVE MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 2482 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN Spiller: 452 CONVENT AVENUE Spiller Phone:
Notifier Type: Affected Persons Notifier Name: AL JACK Notifier Phone: (212) 423-9802
Caller Name: AL JACK Caller Agency: 312 EAST 93RD ST Caller Phone: (212) 423-9802
DEC Investigator: Needs Reassignment Contact for more spill info: AL JACK Contact Person Phone: (212) 423-9802

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
03/18/1997		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

CALLER STATED THAT AN UNK SUBSTANCE IS ENTERING HIS HOUSE AND POSSIBLY COMMING FROM THE ADJACENT BUILDING.

DEC Investigator Remarks:

1/25/06-Jacob- Private residence and nobody at home during work hour.Regional office should send somebody to investigate report.

Map Identification Number 38 **SHELL GAS STATION** **Spill Number: 0702470** **Close Date:**
235 ST NICHOLOS AVE NEW YORK, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2525 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: 235 SAINT NICHOLAS AVE
Revised zip code: 10027

Source of Spill: GASOLINE STATION
Spiller: DAWN VOUGHT - SHELL GAS STATION
Spiller Phone: (914) 494-4808 ext. C
Notifier Type: Other
Notifier Name:
Notifier Phone:
Caller Name:
Caller Agency:
Caller Phone:
DEC Investigator: jbvought
Contact for more spill info: DAWN VOUGHT
Contact Person Phone: (914) 494-4808 ext. C

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
05/30/2007		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

DURING TANK WORK FOUND CONTAMINATED SOIL: UNTOP OF UNLEADED REGULAR TANK:

DEC Investigator Remarks:

DEC Piper spoke W. Dawn Vought. They are currently relining and retesting the tank and came accross cont. soil. Piper sent CSL.

ACTIVE HAZARDOUS SPILLS - MISC. SPILL CAUSES - EQUIPMENT FAILURE, HUMAN ERROR, TANK OVERFILL, DELIBERATE SPILL, TRAFFIC ACCIDENT, HOUSEKEEPING, ABANDONED DRUM, AND VANDALISM - IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS.
All spills mapped and profiled within 1/8 mile. Between 1/8 mile and 1/2 mile search radius, spills reported to be greater than 100 units and spills reported in the NYSDEC Fall 1998 MTBE Survey are mapped and profiled. Spills reported to be less than 100 units are listed in a table at the end of this section.

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 39 **MANHOLE #24661** **Spill Number: 9913598** **Close Date:**
130TH ST & AMSTERDAM AVE MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 247 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: W 130TH ST / AMSTERDAM AVE
Revised zip code: 10027

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Responsible Party
Caller Name: WILLIAM MURPHY
DEC Investigator: JHOCONNE

Spiller: CALLER - CON ED
Notifier Name: MR CARROLL
Caller Agency: CON ED
Contact for more spill info: WILLIAM MURPHY

Spiller Phone: (212) 580-6763
Notifier Phone: (212) 580-6763
Caller Phone: (212) 580-6763
Contact Person Phone: (212) 580-6763

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
03/02/2000		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIELECTRIC FLUID	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

cleanup crew is on the way leak was from dist.feeder joint ref #130207

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"

Map Identification Number 40 **BROADWAY/W. 131ST ST** **Spill Number: 8303209** **Close Date:**
BROADWAY N/O W. 131ST ST MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1174 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: BROADWAY / W 131ST ST
Revised zip code: 10027

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Responsible Party
Caller Name:
DEC Investigator: JHOCONNE
Spiller: CON ED
Notifier Name:
Caller Agency:
Contact for more spill info:
Spiller Phone:
Notifier Phone:
Caller Phone:
Contact Person Phone:

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
03/18/1984		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIELECTRIC FLUID	PETROLEUM	4000	GALLONS	0	GALLONS	SOIL

Caller Remarks:

Reported by Con Ed as required under Consent Order.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
APPENDIX B SITE NO. 56.

Map Identification Number 41 **FEEDER M51/52** **Spill Number: 9613328** **Close Date:**
BROADWAY/TIEMANN ST MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1279 feet to the W

ADDRESS CHANGE INFORMATION
Revised street: BROADWAY / TIEMANN PL
Revised zip code: 10027

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	TIM SOILCH - CON EDISON	Spiller Phone:	(212) 580-6764
Notifier Type:	Responsible Party	Notifier Name:	MR FIGUERAS	Notifier Phone:	
Caller Name:	JOE DEVOTI	Caller Agency:	CONED	Caller Phone:	(212) 580-6763
DEC Investigator:	JHOCONNE	Contact for more spill info:	JOE DEVOTI	Contact Person Phone:	(212) 580-6763

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/11/1997		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIELECTRIC FLUID	PETROLEUM	350.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

A TRANSMISSION LINE IS LEAKING AT THE RATE OF 15 GALLONS OER HOUR SOMEWHERE BETWEEN TUCKAHO RD IN YONKERS AND MANHATTEN - LEAK HAS NOT BEEN FOUND YET

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ENGELHARDT"

2/13/97: John Hegerty - believed to be in area of 135th St in Manhattan based on tracer searching.

2/19/97: John Hegerty - still looking. Tracer was unsuccessful. Now on 3rd freeze. Loss of 1000 to 1200 gallons so far.

2/20/97: J. Hegerty - Con Ed said leaked at 15 gph for 3 days, then down to 10 gph (3 x 24 x 15) + (5.25 x 24 x 10) = 2340 gallons estimate. John said he would do inventory today to confirm estimate.

2/20/97, 1530 hrs: Ed Kalinowski - in charge of corrosion group. Inspecting pipe north of leak. Jerry Matterazzo - in charge of pipe repair and oil removal. MEG on scene - vac truck, supply truck. Jerry M. said only a sheen of oil in adjacent manhole. Dirt in excavation looks fairly dry. Sal from MEG (supervising MEG workers). About 20 yards of soil/debris removed from 2 excavations and debris from manhole. Excavation around leak is ~9’ x 7’ x 8-10’ deep.

Corrosion team was inspecting pipe north of leak. Inspector said it was in bad shape and a "future leak". Ed K. said that portion of the pipe would be repaired with a barrel. Acc’d to Ed K., leak occurred where corrosion resistant coating was lifting from the pipe and water got underneath. Pipe runs adjacent to elevated train.

11/17/04: APPENDIX B SITE 69.

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e2mis no. 104113:

11-FEB-1997 11:00:00 SHIFTY MGR GIANGRANDE #99751 REPORT LEAK ON FDR M52. LOCATION OF LEAK UNKNOWN, APPROX 350 GAL LOSS TO DATE; 15 GAL HR . SHIFT SUP HEGARTY #97964 CONTACTED, LEAK DISCOVERED THROUGH TREND ANLYSIS. ALL GROUPS ALERTED LEAK SEARCH IN PROGRESS. LEAK ON FDR BETWEEN WEST SPRAINBROOK S/S AND MAN 49ST. S/S.

12-FEB-1997 Miller Environmental Group Inc. cleaned out manhole. Manifest NO. CT F 0540894. Temp EPA NYP004005328. There was 3800 gals of water and 50 gals of oil. No leaks were found.
Results of Analysis: Aroclor: 1242 Results: 9 ppm.

02/21/97
Lab Seq No: 97-01644-001
Equipment: Mh 62564, Fdr 52
Analyte: Benzene
Results: <0.5 ppm

02/16/97, Manholes 62579, 62581
No oil water only, Cleaned by MEG for future use for freeze pits. Containments/Cleanup Activities, removed/recovered liquid/solids job completed 2/16/97 at 19:00. Manholes 62575, 62576, 62566, manholes were checked and cleaned out by MEG for future use for freeze pit. No oil, water and dirt only. Job completed 23:00.

02/19/97, 13:50
On Broadway, 1 foot s/o manhole 61734, is on Broadway 80 feet s/o Tiemann Pl Manhattan. Leak on feeder pipe, wood in contact with pipe. Area affected was soil under leak. Recovered oil/water, 2850 gallons, excavated soil/bluestone, 24 yrds3.

Map Identification Number 42 **BROADWAY/W. 132ND ST** **Spill Number: 8102002** **Close Date:**
BROADWAY S/O W. 132ND ST MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1284 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: BROADWAY / W 132ND ST
Revised zip code: 10027

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	CON ED	Spiller Phone:	
Notifier Type:	Responsible Party	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	JHOCONNE	Contact for more spill info:		Contact Person Phone:	

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN
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Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/11/1982		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIELECTRIC FLUID	PETROLEUM	1000	GALLONS	0	GALLONS	SOIL

Caller Remarks:

Reported by Con Ed as required under Consent Order.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
APPENDIX B SITE NO. 56.

Map Identification Number 43 **DASNY** **Spill Number: 0300340** **Close Date:**
W.135TH ST & ST NICHOLAS MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1568 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: W 135TH ST / SAINT NICHOLAS TER
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL Spiller: UNKNOWN Spiller Phone:
Notifier Type: Fire Department Notifier Name: FF KELLY Notifier Phone: (917) 769-0483
Caller Name: FF KELLY Caller Agency: FDNY HAZMAT 1 Caller Phone: (917) 769-0483
DEC Investigator: rmpiper Contact for more spill info: FF KELLY Contact Person Phone: (917) 769-0483

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/10/2003		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	200.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

REPORTED TO THE FDNY AS A 200 GALLON PLUS HEATING OIL SPILL AT THE ABOVE LOCATION - CALLER STILL ENROUTE TO THE SCENE

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SAWYER"
Mike Mulqueen called from this location.
Jeff responded immediately, by visiting the location.
Dispatcher # 280 (NYFD), called for spill #. E.R.
This spill was called in again by Al Eastman Tank Cleaners.
Spill # 0300342 E.R.
4/24/2003-Vought-Site summary by Vought:
4/10/2003-Vought-Site visit by Vought. FDNY on-scene. Spill caused by Leak in flange, non-working high level alarm and malfunction of petrometer resulting in overfill of tank. Tank manway bolts missing from tank resulting in filling of manway. Upon FDNY arrival tank manway filled with oil and rising bubbles indicating loss of oil to subsurface (FDNY approximates that 700 gallons lost to subsurface). In addition to loss of fuel through manway, spill also overflowed out of manway and ran down lawn and seeped through basement wall into Marshak Science Building. Delivery performed by Empire State Fuel Oil. No spill occurred out of vent pipe. Spill occurred to Tank #1. Delivery ordered by DASNY. Interagency meeting held by Vought. NYSDEC requires
1) Monitoring of basement wall for product seepage and recovery
2) Excavation of all impacted soil including endpoint samples, powerwashing of sidewalk, tank repair (high level alarm, petrometer and manway bolts) and borings around tank.
3) Tightness testing of tanks.
4/14/2003-Vought-Received e-mail from Rolando Arco (PSI, Inc. 212-889-0294) stating that scope of work being put together and requesting a call to Jane Weber (PSI-917-602-4246). Vought also received attached document from Bruce Suffern stating sidewalks were powerwashed, soil excavation was started to a depth of 12'below grade (approximately 20 cubic yards of soil were removed), and cleanup of basement seepage area. Endpoint samples collected by PSI who will also oversee remediation.
4/18/2003-Vought-Received email from Rolando Arco stating that initial delineation will take place on 4/21 followed by submission of laboratory results and work description to NYSDEC.
4/23/2003-Vought-Received document from Bruce Suffern stating that 23 soil borings were performed in vicinity of UST's. Site plan and analyticals will be sent to NYSDEC.
4/24/2003-Vought-Called Rolando Arco and left message that Vought will call Weber. Vought called Weber and no endpoint samples taken from excavation. Approximately 13 borings performed with 23 soil samples. More borings will be performed on 4/28 to delineate tanks and lawn contamination. Very minor amount of contamination seeping into basement. Jane Weber will send report by 5/18. Tank #1 still being used despite lack of tightness test. Vought called Thomas Zakarian to affirm requirement of tightness test and that Tank should not be used until test is performed. Zakarian agreed to have the tank tested immediately.
4/28/2003-Vought-Site visit by Vought on 4/28/2003. Three excavations performed and sealed with plastic 1)soil adjacent to curb excavated to depth of 2' 2)soil adjacent to wheelchair ramp excavated to depth of 4' 3)lawn excavated to depth of 2'. Twenty three soil borings will be performed by PSI and results will be sent to NYSDEC. Bedrock depth ranging from 16' below grade adjacent to basement to 4' below grade adjacent to curb.
9/16/2003-Vought-NYSDEC requires: 1)Tank testing of Tank #1 2)Results of subsurface investigation 3)Removal of contaminated soil bewtween tanks and building 4)repair of tanks including manway, high level alarm and petrometer. Letter sent to CCNY with the above requirements. Vought called Esther Hundley (212-541-0430) and left message to return call with address for letter.

1/7/04-Vought-Spill transferred from Vought to Austin.
01/27/04 - Sawyer - Spill transferred from Austin to Sawyer.
12/16/05- DEC Piper placed call into rolando at PSI to get update/info.
1/4/06- DEC Piper spoke w/ Tarek at Langan Eng. regarding open spill. Though an investigation was performed, and #2 fuel oil was encountered, and oil was seeping into the basement of the MArshak bld, no remedial measures were taken. Piper placed call into Ester Hundley at CCNY requesting call back. DEC Piper received call form Esther regarding site. She will provide letter regarding status, activities at the Marsack Bldg.
5/8/06-Piper placed call into Ester Hundley at CCNY requesting call back.
5/10/06- DEC Piper placed call into Howard Apsan 212 794 5555- Director of Env Health and Safety, CUNY. Left message requesting callback and info.

4/30/07- DECP iper left message for Brian Newman w. Mgmt co.

Map Identification Number 44 **132ND ST COOLING PLANT** **Spill Number: 8912498** **Close Date:**
132ND ST COOLING PLANT MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 1751 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: 630 WEST 132ND ST
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL Spiller: CON ED Spiller Phone:
Notifier Type: Responsible Party Notifier Name: Notifier Phone:
Caller Name: Caller Agency: Caller Phone:
DEC Investigator: JHOCONNE Contact for more spill info: Contact Person Phone:

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
03/08/1990		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIELECTRIC FLUID	PETROLEUM	4000	GALLONS	0	GALLONS	SOIL

Caller Remarks:

Reported by Con Ed as required under Consent Order.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
APPENDIX B SITE NO. 56.

Map Identification Number 45 **BROADWAY/W. 136TH ST.** **Spill Number: 8102007** **Close Date:**
BROADWAY/W. 136TH ST MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2047 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL Spiller: CON ED Spiller Phone:
Notifier Type: Responsible Party Notifier Name: Notifier Phone:
Caller Name: Caller Agency: Caller Phone:
DEC Investigator: JHOCONNE Contact for more spill info: Contact Person Phone:

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
03/26/1982		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIELECTRIC FLUID	PETROLEUM	2500	GALLONS	0	GALLONS	SOIL

Caller Remarks:

Reported by Con Ed as required under Consent Order.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
APPENDIX B SITE NO. 56.

Map Identification Number 46 **MANHOLE # 44896** **Spill Number: 0409134** **Close Date:**
SE CORNER OF W 128TH/7TH NEW YORK, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2518 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: W 128TH / 7TH
Revised zip code: UNKNOWN

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Responsible Party
Caller Name: PAUL DEDONOTO
DEC Investigator: JHOCONNE

Spiller: ERT DESK - MANHOLE # 44896
Notifier Name: PAUL DEDONOTO
Caller Agency: CONED
Contact for more spill info: ERT DESK

Spiller Phone: (212) 580-8383
Notifier Phone: (212) 580-6764
Caller Phone: (212) 580-6764
Contact Person Phone: (212) 580-8383

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/11/2004		EQUIPMENT FAILURE	NO	NO

NO MATERIAL INFORMATION GIVEN FOR THIS SPILL

Caller Remarks:

e2MIS # 156212.

DEC Investigator Remarks:

11-11-04 @ 06:20 A Figuereo #84445 reports that while working on feeder 2m23 in m44896, located @ sec w 128 St & 7 Ave, he discovered 1/2 gallon of dielctric fluid that had leaked from a 3w1w joint on the feeder he was working on and also discovered 1/2 gallon of unknown oil coming from a duct on the south wall of the structure. There was or is no smoke or fire involved. No sewer or waterway affected. No injuries and weather had no affect. The source of one leak is a joint and the other is possibly the cable. Spill is on concrete. No private property affected. Environmental yellow tag 41246 was applied. As per conduit plate 53-g-1 there is a sewer connection to this structure. Three samples were taken by A Figuereo #84445 from the spills, 1 for pcb from the joint and 1 for id and pcb from the duct. Chain of custody # dd20572. Sample priority "e". D-fault sign 01378 was placed in the structure due to the possibility that the leak from the duct is coming from cable. Cleanup is pending safe access. CIG P Didonato # 01669 notified bt R Pagano @ 06:32...J Moran #01182

THE FOLLOWING ACTIVE SPILLS FOR THIS CATEGORY WERE REPORTED BETWEEN 1/8 MILE AND 1/2 MILE SEARCH RADIUS FROM THE SUBJECT ADDRESS. THESE SPILLS WERE REPORTED TO BE LESS THAN 100 UNITS IN QUANTITY AND CAUSED BY: EQUIPMENT FAILURE, HUMAN ERROR, TANK OVERFILL, DELIBERATE SPILL, TRAFFIC ACCIDENT, HOUSEKEEPING, ABANDONED DRUM, OR VANDALISM. THESE SPILLS ARE NEITHER MAPPED NOR PROFILED IN THIS REPORT.

FACILITY ID	FACILITY NAME	STREET	CITY
9914395	GRANT HOUSES -NYCHA	1320 AMSTERDAM AVE	MANHATTAN
9808980	W132ND ST PURS	630 W. 132ND ST	NEW YORK
9910685	WEST 132ND ST PURS	630 WEST 132ND STREET	MANHATTAN
0506908	MANHATTANVILLE DEPOT	663 WEST 133RD ST	MANHATTAN
0212031	COLUMBIA UNIVERSITY	560 RIVERSIDE DR	MANHATTAN
9800505	HARLEM USA	2319 FREDERICK DOUGLASS BLVD	NEW YORK
0101189	SERVICE BOX	280 WEST 125TH ST	MANHATTAN
0600744	MANHOLE #24708	WEST 138TH ST & AMSTERDAM AVE	MANHATTAN
0104150	CONSTRUCTION SITE	BROADWAY SIDE OF 122ND ST	MANHATTAN
0104577	303 WEST 122ND ST	303 WEST 122ND ST	MANHATTAN

CLOSED STATUS TANK FAILURES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 47 **MT. WILSON PARTNERS APTS.** **Spill Number: 9401941** **Close Date: 07/10/1994**
412 W.129TH STREET MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 740 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL Spiller: SAME Spiller Phone:
Notifier Type: Responsible Party Notifier Name: Notifier Phone:
Caller Name: THERESA COLON Caller Agency: MT WILSON PARTNERS Caller Phone: (212) 254-4374
DEC Investigator: MCTIBBE Contact for more spill info: SUPERINTENDENT APT. 12 Contact Person Phone: (212) 663-9334

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/20/1994	05/14/1994	TANK FAILURE	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	100.00	GALLONS	100.00	GALLONS	SOIL

Caller Remarks:

SPILL ONTO COURT YARD. VIA INTO STORM DRAIN. IN PROCESS OF BEING CLEANED UP VIA AL. EASTMOND & SONS. MARK TIBBE ON SCEENE HERNANDEZ OF DEP ON SCENE. CLEANUP TODAY.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
A.L. EASTMOND HIRED TO CLEAN COURTYARD AND STORM DRAIN. CLEANED BY SPILLER.

Map Identification Number 48 **MANHATTANVILLE** **Spill Number: 8905490** **Close Date: 05/01/1995**
W 133RD ST & AMSTERDAM AV NEW YORK CITY, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 920 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: W 133RD ST / AMSTERDAM AV
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Local Agency
Caller Name: ANTHONY SIGONA
DEC Investigator: HEALY
Spiller: NYC HOUSING AUTHORITY
Notifier Name:
Caller Agency: NYSDEC
Contact for more spill info:
Spiller Phone:
Notifier Phone:
Caller Phone: (718) 482-4933
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved	Meets Cleanup Standards	Penalty Recommended
09/01/1989	05/01/1995	TANK FAILURE	2-474916	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	-1.00	UNKNOWN	0.00	UNKNOWN	GROUNDWATER

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		Unknown	0.00	UNKNOWN

Caller Remarks:

NYCHA WILL TEST ALL THE TANKS & PROCEED WITH THE PROPER ACTION.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 49 **501 WEST 134TH ST** **Spill Number: 0403911** **Close Date: 01/28/2005**
501 WEST 134TH ST MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 1261 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	PRIVATE DWELLING	Spiller:	LEWIS	Spiller Phone:	(347) 408-9673
Notifier Type:	Other	Notifier Name:	NOEL HINDS	Notifier Phone:	(718) 665-5700
Caller Name:	NOEL HINDS	Caller Agency:	STUYVESANT FUEL OIL	Caller Phone:	(718) 665-5700
DEC Investigator:	TJDEMEO	Contact for more spill info:	LEWIS	Contact Person Phone:	(347) 408-9673

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/12/2004		TANK FAILURE	YES	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	1500	GALLONS	0	GALLONS	SOIL

Caller Remarks:

tank ruptured caused about 1500 gallons to spill.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "DEMEO"
cont. soil ltr sent to:

Arthur Weigold

West 134th St Realty Corp

1220 Lexington Ave - Suite 2E

New York, NY 10029

1/28/05 TJD
Initial cleanup by ABC tank cleaners. Tank overfill. 2000 gallons AST had a loose patch on tank top causing discharge to basement floor during delivery. Basement excavated to bedrock. Site inspected no additional soil excavation possible. Permission to backfill given verbally to building manager (sean). Disposal manifest for 15 yds of contaminated soils were submitted. No further action required. Spill closed.

Map Identification Number 50 **WEST 132ND PURRS PLANT** **Spill Number: 9708092** **Close Date: 10/09/1997**
630 WEST 132ND STREET MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 1751 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: 630 WEST 132ND ST
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL VEHICLE
Notifier Type: Responsible Party
Caller Name: STEVE ROMERO
DEC Investigator: CAENGELH

Spiller: STEVE ROMERO - CON EDISON
Notifier Name: MR MCGROARTY
Caller Agency: CON EDISON
Contact for more spill info:

Spiller Phone: (212) 580-6763
Notifier Phone: (914) 966-0629
Caller Phone: (212) 580-6763
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/09/1997		TANK FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
ANTIFREEZE	OTHER	4.00	GALLONS	4.00	GALLONS	SOIL

Caller Remarks:

LEAK FROM STORAGE TANK FOR COOLING SYSTEM. ONTO CONCRETE AND BLUESTONE. BEING CLEANED UP. ARRANGEMENTS BEING MADE FOR REPAIRS.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ENGELHARDT"
E2MIS 112159

09-OCT-1997 09:35:00 W132ND PURRS OPER MCGROARTY.M#56376 REPORTS GLYCOL LEAK FROM PURRS GLYCOL TANK. APPROX 4 GAL IN

BLUESTONE/PAD. TANK IS LEAKING APPROX 4 DROP/MIN; OPER PLACED PADS & VALVED OFF TAN (V172 & V173). OPER CONTACTED SHIFT SUP

BRYAN.T#95790. CIG. ROMERO.S#09880 CONTACTED 09-OCT-1997 10:35:00 REPORT ENTERED BY T.D FIGUERAS#11539 09-OCT-1997

09-OCT-1997@14:20 ASMP SUPERVISOR ARMSTRONG

#89176 REPORTS JOB COMPLETED BY ASMP MECHANICS FALU #48959 AND ESTELLA #14981 VALVES #V172 AND #V173 TIGHTEN LEAK REPAIRED

AT 14:00. AREA CLEANED DEBRIS AND BLUESTONE PLACED IN 55 GAL DRUM. UPDATE TAKEN BY E2MIS

Map Identification Number 51 **YOUNG RESIDENCE** **Spill Number: 0508285** **Close Date: 09/29/2006**
355 W. 123RD ST. NEW YORK, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 1889 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING
Notifier Type: Other
Caller Name: JOYCE WHEELER
DEC Investigator: SFRAHMAN

Spiller: JAMES YOUNG - YOUNG RESIDENCE
Notifier Name: JOYCE WHEELER
Caller Agency: PETRO
Contact for more spill info: JAMES YOUNG

Spiller Phone: (212) 828-8573
Notifier Phone: (516) 686-2030
Caller Phone: (516) 686-2030
Contact Person Phone: (212) 828-8573

Spill Class: POSSIBLE RELEASE WITH MIN POTENTIAL FOR FIRE OR HAZARD (OR KNOWN REL W/ NO DAMAGE);DEC RESP;NO CORR ACTION REQUIRED

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/11/2005		TANK FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	5.00	GALLONS	0.00	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
	275	Unknown	0.00	UNKNOWN
The following tank was deleted from the reported data. Data reflects last reported information.				
	275	Unknown	0.00	UNKNOWN

Caller Remarks:

Tank was leaking releasing 5 gal of material onto the dirt floor. Petro will be stopping the leak. Unknown who is doing the clean up.

DEC Investigator Remarks:

Sangesland called Petro requesting further details - Rep will call back

This spill needs follow-up
10.28.05 Sharif- I called James Young who was not available at that time.Left messege for him to call back about the clean up of the spill.
03/01/06 Sharif Rahman- I spoke with Madeline Reese,(212)828-8573 and she would relay the department's concern to James Young.

03/27/06 Sharif Rahman- Clean up letter went to
James Young
355 W 123rd Street, Apt#1A
New York, NY 10027
05/11/06 Sharif Rahman- I called Petro ,516-686-2030 and spoke with Keanny @ ext.3324. He informed me the customer's account is not active now and the customer did not respond to fix the tank problem. So, they suspended the delivery due to unsafe condition of the tank.
08/07/06 Rahman- Tried to inspect the baement tank room, but could not get access as no body was found in the house. It looked like the house is now abandoned and no body lives there.Certified mail letter dated May 11' 06 returned undelivered.

Map Identification Number 52 **UNIVERSITY, MARSHAK BUILDING** 137TH STREET NEW YORK, NY NO ZIP PROVIDED **Spill Number: 0407291** **Close Date: 12/28/2005**

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (2)
Approximate distance from property: 2001 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: 137TH ST
Revised zip code: NO CHANGE

Source of Spill:	UNKNOWN	Spiller:	JOESEPH WAGNER - UNIVERSITY, MARSHAK BUILD	Spiller Phone: (917) 748-3664	
Notifier Type:	Tank Tester	Notifier Name:	JIM MCMANUS	Notifier Phone: (800) 666-2605	
Caller Name:	JIM MCMANUS	Caller Agency:	TANKNOLOGY	Caller Phone: (800) 666-2605	
DEC Investigator:	ADEBONG	Contact for more spill info:	JOESEPH WAGNER	Contact Person Phone: (917) 748-3664	

Spill Class: POSSIBLE REL WITH MIN POTENTIAL FOR FIRE OR HAZARD (OR KNOWN REL W/ NO DAMAGE);NO DEC RESP;WILLING RP;CORR ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/30/2004		TANK FAILURE	NO	NO

NO MATERIAL INFORMATION GIVEN FOR THIS SPILL

Caller Remarks:

NO CHANCE OF SPIULL, A PROBLEM WITH THE LINES, RECOMMENDING THAT THEY ISOLATE THE TANK FROM THE LINES GOING INTO THE BUILDING AND RETEST.

DEC Investigator Remarks:

12/28/05: Initial records on file shows that the tank test failure did not result in a spill. I have recieved tank test report from this facility, the reports shows that tank passed the tightness test.(akwa)

Map Identification Number 53 **500 WEST 138TH ST/PS 192** **Spill Number: 8906780** **Close Date: 01/21/2004**
500 WEST 138TH STREET NEW YORK CITY, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 2062 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Responsible Party
Caller Name: MR. MARIO ARENA
DEC Investigator: SIGONA
Spiller: NYC BD OF EDUCATION
Notifier Name:
Caller Agency: NYC BD OF EDUCATION
Contact for more spill info:
Spiller Phone:
Notifier Phone:
Caller Phone: (718) 706-3806
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved	Meets Cleanup Standards	Penalty Recommended
09/07/1989		TANK FAILURE	2-354155	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		Unknown	0.00	UNKNOWN

Caller Remarks:

STAIN ON GROUND AROUND FILL PIPE, MAY REMOVE TANK.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 54 **344 WEST 122ND STREET** **Spill Number: 9711778** **Close Date: 01/21/1998**
344 WEST 122ND STREET MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 2295 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING | Spiller: JAMES WILLIAMS - 344 WEST 122ND STREET | Spiller Phone: (212) 222-0113
Notifier Type: Responsible Party | Notifier Name: JAMES WILLIAMS | Notifier Phone: (212) 222-0113
Caller Name: ROBERT CABASSA | Caller Agency: M & B TRUCKING | Caller Phone: (718) 328-3275
DEC Investigator: SMMARTIN | Contact for more spill info: JAMES WILLIAMS | Contact Person Phone: (212) 222-0113

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/21/1998		TANK FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	15.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

CALLER FILLED TANK AND FOUND LEAK AT BOTTOM OF TANK.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MARTINKAT"
GETTING SOMEONE TO PUMP OUT THE TANK AND GETTING ESTIMATES TO REPLACE IT. 2 FAMILY HOUSE. (10:15 SPOKE TO JAMES WILLIAMS OWNER)

Map Identification Number 55 **636 ASSETS INC** **Spill Number: 9813620** **Close Date: 05/20/1999**
636 W 136TH ST MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 2299 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL | Spiller: LETTI (MANAGER) - 636 ASSETS INC | Spiller Phone: (212) 645-4612
Notifier Type: Other | Notifier Name: ISAAC MUNGRA | Notifier Phone: (718) 624-4842
Caller Name: ISAAC MUNGRA | Caller Agency: PETROLEUM TANK CLEANERS | Caller Phone: (718) 624-4842
DEC Investigator: SMSANGES | Contact for more spill info: LETTI (MANAGER) | Contact Person Phone: (212) 645-4612

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved	Meets Cleanup Standards	Penalty Recommended
02/08/1999		TANK FAILURE	2-246689	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	50.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

SPILL IS PROCESS OF BEING CLEANED UP.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SANGESLAND"
200 CALL PTC- IN TANK ROOM- TANK HAS LEAKS ON TOP IN SEAMS. PUMPING TANK OUT. TEMP. TANK BEING DELIVERED. CALLED IT REGISTRATION HAS EXPIRED.

5/20/99 SMS CALLED LETTI (MANAGER) WAS TOLD NEW TANK WAS INSTALLED. MANAGER FAXED A COPY OF BILL TO REPLACE TANK ($23,894)

SITE VISIT W/ SUPER "JULIO" CONFIMED CLEAN UP AND NEW TANK

Map Identification Number 56 **COLLEGE BUILDING** 106 MORNING SIDE DRIVE NEW YORK, NY NO ZIP PROVIDED **Spill Number: 0609745** **Close Date: 11/28/2006**

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P3)
Approximate distance from property: 2351 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: 106 MORNINGSIDE DR
Revised zip code: 10027

Source of Spill: PRIVATE DWELLING
Notifier Type: Other
Caller Name:
DEC Investigator: rvketani
Spiller: DAVID RENN - RENN HOME
Notifier Name:
Caller Agency:
Contact for more spill info: DAVID RENN
Spiller Phone: (212) 678-3116
Notifier Phone:
Caller Phone:
Contact Person Phone: (212) 678-3116

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/27/2006		TANK FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	25.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

IN BASEMENT: TANK NEEDS TO BE CLEANED AND TAKEN CARE OF

DEC Investigator Remarks:

11/28/06 - Raphael Ketani. This spill case was called in by Rene Lewis of A. L. Eastmond about 1 hour after the first spill was called in for the site. The earlier spill case is #0609739 and will be kept open. Case #0609745 is being closed administratively due to the earlier associated case.

Map Identification Number 57 **28TH PRECINCT NYPD -DDC** **Spill Number: 0550474** **Close Date: 06/17/2005**
2271-89 EIGHTH AVE NEW YORK, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 2389 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: 2271-89 8TH AVE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: DEC
Caller Name: JON KOLLEENY
DEC Investigator: JAKOLLEE
Spiller: NYPD
Notifier Name: JON KOLLEENY
Caller Agency: NYSDEC
Contact for more spill info: TANVIR AHMAD
Spiller Phone:
Notifier Phone: (718) 482-6388
Caller Phone: (718) 482-6388
Contact Person Phone: (718) 391-1003

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/01/1996		TANK FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	0	UNKNOWN	0	UNKNOWN	SOIL

Caller Remarks:

2,500-gal gasoline tank removed in mid-1990s, dispenser suspected to have leaked. Spill was not reported at the time.

DEC Investigator Remarks:

Limited site investigation performed by Promatec/TRC, found very minor impact to soil, but not all locations were sampled, and wells installed appear not to have been downgradient from the tank. However, after meeting at site with consultants, it became apparent that additional investigation would be impossible due to space constraints and the nearby presence of subsurface utilities and a subway line. In light of this and minor nature of contamination identified, DEC agreed to No Further Action status for site in letter issued 9/5/97. - J. Kolleeny

Map Identification Number 58 **UPTOWN REALITY** **Spill Number: 9808120** **Close Date: 01/02/2001**
222-224/226-228 W.125TH MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 2557 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: 226 W 125TH ST
Revised zip code: 10027

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Other
Caller Name: NINA LUBAN
DEC Investigator: SMSANGES

Spiller:
Notifier Name:
Caller Agency: LOEB & LOBE
Contact for more spill info: NINA LUBAN

Spiller Phone:
Notifier Phone:
Caller Phone: (212) 407-4908
Contact Person Phone: (212) 407-4908

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;UNABLE/UNWILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/16/1998		TANK FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

CALLER WAS EMPLOYED TO DO SOIL SAMPLES AND TEST FROM AN ABANDONED

TANK USING METHOD 82-70 -- CANTAMINATED SOIL FOUND -- MIKE

MULQUENE HAS ALREADY TALKED TO CALLER ABOUT THIS CONDITION

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SANGESLAND"
7/29/99 Bob Abramo (718-624-7490)- Abra Consulting -called - He has just been hired by the owner to close out this spill. He has a copy of soil boring work & test results for borings done around the abandoned 3,000 gal fuel oil storage tank buried in rear of

shoe store.

Sangesland asked Mr. Obrano to send a copy of these test results along with a 1-2 page description of "Proposed Plan Of Action" for work to be done to clean up the site. Some sort of Bio may be called for since the tank can not be moved.

8/26/99 - Sangesland read the report forwarded by Mr. Abramo and agreed with Mr. Abramo's plan to install 1 or 2 wells in the area around the abandoned tank in the sidewalk. Sangesland said if the depth to ground water was too much (50+ ft) then it would not be representitive of the tank (problems could be from further away)..... Problem still remains what to do about the confirmed contamination.

2/11/2000 - Mr. Abramo called to say one well was installed to 27' Sample tested to 8021 and 8270 All results were below limits except (enbyutel benzene 52 ppm). There still is contamination of soil between tank and building. Sangesland asked Mr. Abramo to propose some type of remediation (Bio?) on the trapped soil contamination.

Mr. Abramo proposed ORC. Sangesland said no. DEC requires some type of biological "bugs" which will be injected into the soil to work on the problem above the groundwater line.

5/2/2000 - Mr. Abramo said "Bio Rem" Rep suggests 4 geoprobe type injection wells around the tank along with 1,000 gal of Biorem. Sangesland said to go ahead, leave the site until Sept 1st and then retest the monitoring well. Hopefully it will be clean and can be closed out.

9/25/2000 - Mr. Ed Correll (Soil Mechanics 516-221-7500) was hired by the owner do what it takes to close out the case. Mr. Correll was told of the DEC history on the site. Sangesland asked Mr. Correll to do the following:

1) Get specific details on what type of "Bio" work was done in July 2000 (DEC has no records).

2) After a "couple" of months, retest the existing well and conduct another geoprobe between the tank and the building to check the condition.

3) Prepare a report that either shows the site is clean or "Justifies" why the existing contamination is not a problem Contamination is contained, encapsulated and would undermine the building if it were removed.

If a report is submitted, DEC will review it and determine if additional work is needed.

12/13/2000 - Thomas McCurdy of The Breakthrough Group (856-810-3402) submitted a closure request letter. It states that at some point (approx 8/2000) an application of Bio-Rem was made at two points between the tank and the building. On 10/24/2000 MW-1 was sampled and found non-detect for all contaminants within 8270 & 8021. MTBE = 1 ppb

1/2/2001 - Spill has been closed

CLOSED STATUS TANK TEST FAILURES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 59 **AMSTERDAM DEPOT** **Spill Number: 9110838** **Close Date: 11/30/2000**
1381 AMSTERDAM AVENUE NYC, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 240 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Tank Tester
Caller Name: CLARK
DEC Investigator: MCTIBBE
Spiller: NYCTA
Notifier Name:
Caller Agency: TANKNOLOGY
Contact for more spill info:
Spiller Phone:
Notifier Phone:
Caller Phone: (609) 753-9111
Contact Person Phone:

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/17/1992		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	-1.00	POUNDS	0.00	POUNDS	GROUNDWATER

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		Unknown	0.00	UNKNOWN

Caller Remarks:

E I & R

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
11/22/94: REASSIGNED FROM SIGONA TO ZHITOMIRSKY ON 11/22/94.

reassigned from zhitomirsky to hale. REASSIGNED FROM HALE TO TIBBE ON 11/30/00. SEE ALSO 9404949. SEE FILE.

Map Identification Number 60 **MANHATTANVILLE** **Spill Number: 9808324** **Close Date: 03/25/1999**
1430 AMSTERDAM AV MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P6)
Approximate distance from property: 771 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 10027

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Spiller: FRANK OCELLO - NYC HOUSING AUTHORITY
Spiller Phone: (212) 306-3229
Notifier Type: Tank Tester
Notifier Name: SEBASTIAN LOREFICE
Notifier Phone: (212) 306-3229
Caller Name: SEBASTIAN LOREFICE
Caller Agency: NEW YORK CITY HOUSING AUT
Caller Phone: (212) 306-3229
DEC Investigator: SACCACIO
Contact for more spill info: FRANK OCELLO
Contact Person Phone: (212) 306-3229

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved	Meets Cleanup Standards	Penalty Recommended
10/06/1998		TANK TEST FAILURE	' -474916'	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
1	23500	Horner EZ Check I or II	0.00	UNKNOWN

Caller Remarks:

TO BE ISOLATED AND RETESTED

DEC Investigator Remarks: DEC INVESTIGATOR REMARKS NOT AVAILABLE FOR THIS SPILL ACCORDING TO THE LAST UPDATE.

The following DEC Investigator Remarks were available prior to 1/1/2002:

3/25/99 -Saccacio- Subsequent tank test failure. Previous tank test failure (9402164) on 2/26/93 will be closed and previous tank test failure (9004122) on 7/13/90 will remain open. Spill closed 3/25/99.

Map Identification Number 61 **MANHATTANVILLE** **Spill Number: 9402164** **Close Date: 03/25/1999**
1430 AMSTERDAM AVENUE NEW YORK CITY, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P6)
Approximate distance from property: 771 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 10027

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER Spiller: NYC HOUSING AUTHORITY Spiller Phone: (212) 306-3142
Notifier Type: DEC Notifier Name: Notifier Phone:
Caller Name: JANE HEALY Caller Agency: NYSDEC Caller Phone: (718) 482-4933
DEC Investigator: SACCACIO Contact for more spill info: Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved	Meets Cleanup Standards	Penalty Recommended
02/26/1993		TANK TEST FAILURE	' -474916'	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	-1.00	GALLONS	0.00	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
001		Unknown	0.00	UNKNOWN

Caller Remarks:

INITIALLY REPORTED AS PASSED.

DEC Investigator Remarks: DEC INVESTIGATOR REMARKS NOT AVAILABLE FOR THIS SPILL ACCORDING TO THE LAST UPDATE.

The following DEC Investigator Remarks were available prior to 1/1/2002:

3/25/99 -Saccacio- Subsequent tank test failure. Previous tank test failure (9004122) on 7/13/90 will remain open. Spill closed 3/25/99.

Map Identification Number 62 **MANHATTANVILLE HOUSES -NYCHA** **Spill Number: 9305361** **Close Date: 12/28/2005**
1430 AMSTERDAM AVENUE NEW YORK CITY, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P6)
Approximate distance from property: 771 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 10027

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Responsible Party
Caller Name: MR. MANDALONE
DEC Investigator: JAKOLLEE

Spiller: NYC HOUSING
Notifier Name:
Caller Agency: NYC HOUSING AUTH.
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone: (212) 306-3142
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/30/1993		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	0	POUNDS	0	POUNDS	GROUNDWATER

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
002		Unknown	0.00	UNKNOWN

Caller Remarks:

TANK WILL BE EMPTIED - RETESTED.

DEC Investigator Remarks:

12/28/05: This spill transferred from J.Kolleeny to S.Kraszewski.

This spill closed to consolidate with open spill #9004122. - SK

Map Identification Number 63 **MANHATTANVILLE -NYCHA** **Spill Number: 9200116** **Close Date: 12/28/2005**
1430 AMSTERDAM AVENUE NEW YORK CITY, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P6)
Approximate distance from property: 771 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 10027

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Police Department
Caller Name: SEB. LOREFICE
DEC Investigator: SWKRASZE

Spiller: NYCHA
Notifier Name:
Caller Agency: TANK TESTING, INC.
Contact for more spill info:

Spiller Phone: (212) 306-3142
Notifier Phone:
Caller Phone: (718) 789-3770
Contact Person Phone:

Spill Class: POSSIBLE REL WITH MIN POTENTIAL FOR FIRE OR HAZARD (OR KNOWN REL W/ NO DAMAGE);NO DEC RESP;WILLING RP;CORR ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/03/1992		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	0	UNKNOWN	0	UNKNOWN	AIR

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
002		Unknown	0.00	UNKNOWN

Caller Remarks:

EX. AND REPAIR VENT FOR TANK #2.

DEC Investigator Remarks:

12/28/05: This spill transferred from J.Kolleeny to S.Kraszewski.

This spill closed to consolidate with open spill #9004122. - SK

Map Identification Number 64 **MANHATTANVILLE HOUSES -NYCHA** **Spill Number: 9004122** **Close Date: 01/26/2006**
1430 AMSTERDAM AVENUE NEW YORK CITY, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P6)
Approximate distance from property: 771 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 10027

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Tank Tester
Caller Name: SEBASTIAN LOREFICE
DEC Investigator: SWKRASZE

Spiller: NYC HOUSING AUTHORITY
Notifier Name:
Caller Agency: TANK TESTIGN INC
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone: (718) 789-3770
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/13/1990		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	-1.00	POUNDS	0.00	POUNDS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
001		Unknown	0.00	UNKNOWN
002		Unknown	0.00	UNKNOWN

Caller Remarks:

(2) 25K TANKS MANIFOLDED FAILED A HORNER EZY CHECK WITH A GROSS LEAK, WILL EXCAVATE, ISOLATE & RETEST.

DEC Investigator Remarks:

01/26/06: This spill transferred from J.Kolleeny to S.Kraszewski. This spill closed to consolidate with open spill #0006409. - SK

Map Identification Number 65 **NYC HPD** **Spill Number: 0108752** **Close Date: 11/12/2003**
453 WEST 125TH ST MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 888 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Tank Tester
Caller Name: GREGORY SUHR
DEC Investigator: JMKRIMGO

Spiller: NYC HPD
Notifier Name: GREGORY SUHR
Caller Agency: FINLY AND NICHOL ENVIRO
Contact for more spill info: GREGORY SUHR

Spiller Phone:
Notifier Phone: (631) 586-4900
Caller Phone: (631) 586-4900
Contact Person Phone: (631) 586-4900

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/03/2001		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
01	2500	Horner EZ Check I or II	0.00	UNKNOWN

Caller Remarks:

TANK TEST PERFORMED WITH GROSS FAILURE AND NO SIGN OF LEAKAGE.

IN THE ULLAGE PORTION.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "KRIMGOLD"
12/03/2001. YK talked to Tony Cagiano (LiRo) @ (516) 938LiRo. LiRo performed test under DDC heating oil contract. Will investigate and remediate site if necessary. Upon completion a report will be issued.

11/05/03. J. Krimgold spoke to Tony Cagiano (LiRo). The tank in

question is an AST incased in concrete. Tank was removed and replaced with a new one. No contamination was found during tank

removal. Mr. Cagiano will send a letter to support this conversation next week.

11/12/03. J. Krimgold received a letter from LiRo stating that no evidence of oil spilled was found during removal of the old AST tank. Also a copy of a tightness test report indicating that a "leak" was found in the ullage portion of the tank was attached. New AST was installed. NFA.

Map Identification Number 66 **APARTMENT BUILDING** **Spill Number: 0210452** **Close Date: 10/18/2006**
8 ST NICHOLAS TERRACE MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 1131 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: 8 SAINT NICHOLAS TER
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Tank Tester
Caller Name: ABRAHAM WACHLER
DEC Investigator: qxabidi

Spiller: SAME - APARTMENT BUILDING
Notifier Name: SAME
Caller Agency: NYC TANK TESTING
Contact for more spill info: ABRAHAM WACHLER

Spiller Phone: (718) 731-7011
Notifier Phone:
Caller Phone: (718) 731-7011
Contact Person Phone: (718) 731-7011

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/16/2003		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
1	1080	Horner EZ Check I or II	0.00	UNKNOWN

Caller Remarks:

TANK FAILED THE TEST’

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIPPLE/DO"

1/17/03 TJD

Demeo contact Bernie at NYC Tank Testing for additional information regarding tank size and building contact information. Location is unregistered with PBS. NYC Tank Testing was retained for test by Alba Combustion (718 931 1700). Tank is reportably a concrete wrapped 1,080 gallon.

According to NYC Tank Testing a cut manway on top of tank is likely cause of tank test failure. No reported petroleum release at location. At time of test failure 39 inches of product remain in tank. Product has not been removed. NYC Tank Testing has not been authorized to do any additional work.

Rose Marie from Alba Combustion was contacted to obtain owner information and confirm tank size. Information not available at time of inquiry. Alba will call DEC with requested information ASAP.

Alba Combustion called back with contact as follows:

Juan Ortiz - Building Super (917)412-5688

Mercedes Gonzalez - President of Tenants Association(212)662-3373

Juan contacted and stated tank has been leaking for several months. He cleans up the oil leaking from tank enclosure on a daily basis. No plan in place to empty or repair tank.

Mercedes contacted who confirmed situation is an ongoing problem. Location is a HPD building. Mercedes provided following contact for HPD: Ms. Sumada Mena (212) 863-7313

Ms. Mena contacted, she was aware of situatiuon at building and confirmed HPD retained NYC Tank Testing to test tank. Demeo directed Ms. Mena to empty tank as leak has existed for months and has not been repaired. Ms. Mena stated she was building coordinator and not the appropriate contact. Demeo was provided contact information for Willie Kesknen from Technical Services Group (212)863-7307. Demeo left message for Willie Keskinen.

Mr. Keskinen Director of TIL/Tech Group from HPD has stated a contractor will be at building today to empty tank and install temporary tank. Address for HPD is 100 Gold Street, NY NY 10038.

Tank Test letter not sent as tank is to be taken out of service for repairs and/or replacement.

Tipple to perform site visit and assess situation.

1/17/2003 TIPPLE VISITED SITE, Spoke with the building super Jaun Ortiz the oil had been cleaned daily since the leak began months ago. The stain on the floor indicates that the oil had never gotten close to the sump area and the floor surrounding the vaulted area is sound. There is a staining on the wall adjacent to the vault indicating the high probability of a leaking fill/vent line in addition to a tank problem.

Building super will call and leave message once the tank is emptied and a temporary tank installed.

05/18/06: This spill is transferred from Mr. Koon Tang to Q.Abidi.
Talked to Ms. Mena on phone (212)863-7313 she said, They have changed the tank three years ago. New york city owned this building. -QA
Address:
HPD/TIL
100 Gold Street
Room 7 T - 1
NY NY 10038

06/21/06: Called to Willy Keskinen, Deputy Director, HPD. Talked to Ms. Shirley (secretary) regarding information of spill. She said she will convey to Mr. Willy and he will call me back at the ealiest. -QA

07/19/06: Called Ms. Sumada Mena and left message to call me back. -QA

07/20/06: Ms. Losario Vera (212)863-5199 called me and said she is trying to get the information regarding spill as soon as she will get she will send it to me. -QA

09/11/06: Called Mr.Willy Keskinen He was not available. Left message at (212)863-7307 Extn. 8893 to call me back regarding spill. -QA

10/12/06: Mr. Berney (718)731-7011 called me and he said he will do more researches and then he will call me back. -QA

10/18/06: Mr. Willie Keskinen, Deputy Director, TIL/Tech (Department of Housing Preservation and Development) sent me a closing confirmation letter to close the spill. According to his letter they hired S.J. Fuel company for clean up work. The purpose of installing a new oil tank was that the existing tank had a minor leak on the tank itself. No oil was spilled on the floor. The existing oil tank was old and replaced with a new tank. Also the basement has a new cement floor in and around the new tank, and shows no sign of oilk spillage. Based on these information DEC staff closed the spill. -QA

Map Identification Number 67 **GRANT HOUSES -NYCHA** **Spill Number: 9415543** **Close Date: 10/24/2005**
1320 AMSTERDAM AVE MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 1150 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	INSTITUTIONAL, EDUC, GOV, OTHER	Spiller:	NYC HOUSING AUTHORITY	Spiller Phone:	(212) 306-3142
Notifier Type:	Tank Tester	Notifier Name:		Notifier Phone:	
Caller Name:	SEBASTIAN LORIFICE	Caller Agency:	NYC HOUSING AUTHORITY	Caller Phone:	(212) 306-3233
DEC Investigator:	SWKRASZE	Contact for more spill info:		Contact Person Phone:	

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/28/1995		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	-1.00	GALLONS	0.00	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
002		Unknown	0.00	UNKNOWN

Caller Remarks:

TANK #2-COULD NOT MAINTAIN LEVEL

DEC Investigator Remarks:

10/24/05: This spill closed to consolidate with open spill #9914395. S.Kraszewski

Map Identification Number 68 **GRANT HOUSES -NYCHA** **Spill Number: 9415378** **Close Date: 10/24/2005**
1320 AMSTERDAM AVE MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 1150 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Tank Tester
Caller Name: SEBASTIAN LORIFICE
DEC Investigator: SWKRASZE

Spiller: NYC HOUSING AUTHORITY
Notifier Name:
Caller Agency: NYC HOUSING AUTHORITY
Contact for more spill info:

Spiller Phone: (212) 306-3142
Notifier Phone:
Caller Phone: (212) 306-3233
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/23/1995		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	-1.00	GALLONS	0.00	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
001		Unknown	0.00	UNKNOWN

Caller Remarks:

TO ISOLATE AND REPAIR AND RETEST ASAP.

DEC Investigator Remarks:

10/24/05: This spill closed to consolidate with open spill #9914395. S. Kraszewski

Map Identification Number 69 **AMOCO** **Spill Number: 0200338** **Close Date: 12/05/2003**
3225 BROADWAY MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 1243 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION
Notifier Type: Tank Tester
Caller Name: PAT MOZI
DEC Investigator: JBVOUGHT

Spiller: ADAM WOLF - AMOCO
Notifier Name: PAT MOZI
Caller Agency: CROMPCO CORP
Contact for more spill info: PAT MOZI

Spiller Phone: (516) 997-9300
Notifier Phone: (800) 646-3161
Caller Phone: (800) 646-3161
Contact Person Phone: (800) 646-3161

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/10/2002		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
3	8000	Horner EZ Check I or II	0.00	UNKNOWN

Caller Remarks:

TANK TEST FAILURE

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "VOUGHT"
12/5/03-Vought-See open spill #9604890 at same location. This spill closed by Vought.

Map Identification Number 70 **NYC HOUSING COMPLEX** **Spill Number: 0108681** **Close Date: 06/12/2006**
504 WEST 135TH ST MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 1410 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING
Notifier Type: Tank Tester
Caller Name: GREGORY SUHR
DEC Investigator: JAKOLLEE

Spiller: LUCY MONELL - NYC HOUSING COMPLEX
Notifier Name: GREGORY SUHR
Caller Agency: FENLY AND NICHOL ENVIRO
Contact for more spill info: LUCY MONELL

Spiller Phone: (212) 283-7218
Notifier Phone: (631) 586-4900
Caller Phone: (631) 586-4900
Contact Person Phone: (212) 283-7218

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/29/2001		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
1	2000	Horner EZ Check I or II	0.00	UNKNOWN

Caller Remarks:

tank test failure

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "BREEN"
1/12/2004 spill transferred from Sangesland to Breen

12/21/05 - Mr. Steve Arthur of TDX Construction called and will provide a spill closure petition report shortly. Transferred from George Breen to Koon. - KST

05/016/06: This spill is transferred from Mr. Koon Tang to Q. Abidi.
Contacted to Ms. Lucy Monell (212)283-9218, she said that she is living temporary there. Left message for Mr.Alfonso Polanco at (212)863-7374 and talked to Mr. Luna (212)863-7385 he will try to get information about the spill and e-mail me. -QA

5/17/06 - mr. Steve Arthur of HPD called and said that he has additonal data and a report for this spill. He will drop off the report today. - KST

06/07/06: Called to Mr. Alfonso Polanco, left message to call me back regarding spill. -QA

06/12/06: This spill case transferred from Q. Abidi to J. Kolleeny. Reviewed Request for Spill Closure submitted by TDX on 5/16/06 on behalf of NYCDDC. Tightnesss test results indicate leak was in ullage (dry) portion of tank. No signs of product leakage or spillage were observed at the time of the test. The tank, reportedly an AST in the building basement, was taken out of service, purged, cleaned and removed by Gemstar in February 2003, and replaced with a new 2,000-gallon AST. Spoke with Winston Deans of TDX on 6/12/06, who said that according to Carmello Saia of Gemstar, no signs of contamination or spillage were observed when the old tank was removed. The new tank has been incorrectly registered as containing unleaded gasoline (PBS form incorrectly filled out - see PBS #2-470740). Based on the information provided, it appears that this spill has not caused an adverse environmental impact, therefore, the spill case is closed. - J. Kolleeny

Map Identification Number 71 **Spill Number: 0300855** **Close Date: 08/29/2003**

80 LASALLE ST MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 1499 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: 80 LA SALLE ST
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	MATT GENTIEL	Spiller Phone:	(212) 865-3531 ext. 2
Notifier Type:	Tank Tester	Notifier Name:	PHIL FAZIN	Notifier Phone:	(516) 375-5890
Caller Name:	PHIL FAZIN	Caller Agency:	A-1 CROWN LEAK CORPOATION	Caller Phone:	(516) 375-5890
DEC Investigator:	TJDEMEO	Contact for more spill info:	MATT GENTIEL	Contact Person Phone:	(212) 865-3531 ext. 2

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved	Meets Cleanup Standards	Penalty Recommended
04/24/2003		TANK TEST FAILURE	2-336475	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

UNCOVER AND RETEST

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "DEMEO"
4/24/03 TJD

TTF letter sent.

8/29/03 TJD

Tank passed retest. Documents in file. Spill closed.

Map Identification Number 72 **80 LASALLE ST** **Spill Number: 0300854** **Close Date: 02/07/2006**
80 LASALLE ST MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 1499 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: 80 LA SALLE ST
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Tank Tester
Caller Name: PHIL FAZIN
DEC Investigator: mxferoze

Spiller: MATT GENTIEL
Notifier Name: PHIL FAZIN
Caller Agency: A-1 CROWN LEAK CORPOATION
Contact for more spill info: MATT GENTIEL

Spiller Phone: (212) 865-3531 ext. 2
Notifier Phone: (516) 375-5890
Caller Phone: (516) 375-5890
Contact Person Phone: (212) 865-3531 ext. 2

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved	Meets Cleanup Standards	Penalty Recommended
04/24/2003		TANK TEST FAILURE	2-336475	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

EVALUATE AND RETEST

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIPPLE"
4/24/03 TJD

TTF letter sent.

12/19/05 Feroze. Spill is transferred from Ketani to Feroze.
02/01/06. Feroze, PBS of this spill is # 2-336475. Phone of Mr. Matthew is not is service. TTF is sent to :

Morningside Heights Housing.
80 Lasalle Street
New York, NY 10027

Att: Matthew Gentile

02/06/06. Mail of TTF letter is not delivered. I faxed the TTF tetter to Matthew 212 866-8626.
and talked to him 212-865-3631. He will fax the documents soon.

02/07/06. Feroze. Mr. Matthew submitted the documents that ADVANCED TANK SERVICES CO. fixed the pboblem and test tank on 08/11/03. The tank test was passed. He also informed that they don’t have any problem now. The spill is closed.

Map Identification Number 73 **HPD** **Spill Number: 0106037** **Close Date: 08/22/2005**
527 W.134TH ST MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 1510 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Tank Tester
Caller Name: PHIL FAZIN
DEC Investigator: JAMORAS

Spiller: BOB BARGON - HPD
Notifier Name: PHIL FAZIN
Caller Agency: CROWN LEAK DETECTION
Contact for more spill info: BOB BARGON

Spiller Phone:
Notifier Phone: (516) 939-2959
Caller Phone: (516) 939-2959
Contact Person Phone:

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/06/2001		TANK TEST FAILURE	YES	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
1	5000	Horner EZ Check I or II	0.00	FAIL

Caller Remarks: NO REMARKS GIVEN FOR THIS SPILL

DEC Investigator Remarks:

9/25/03 TIPPLE SENT REQUEST FOR DOCUMENTATION

5/5/05 MT///Report submitted did not address the Leaking tank.

8/22/2005 Sangesland spoke to Steve Arthur with TDX Construction (718-472-0577). TDX was hired by HPD to complete the work at this site. Mr. Arthur said the old tank at this site failed it's pressure test because of an air leak around the manway. The tank was aboveground in the basement with a cement wrap around it (not underground like the PBS says). In March 2002 the old tank and piping was removed from the site and no contamination was found. A new tank was installed with all new piping and an overfill prevention system. -- Spill Closed

12/30/05 - A letter was sent to the property owner requesting all available information regarding steps taken to address the

spill case (J. Moras).

1/11/06 - I received a call from Steve Arthur (TDX Construction) yesterday; at that point I realized the spill had been closed out in August by Region 2 staff. Mr. Arthur requested an NFA letter, which was sent out today (J. Moras).

Map Identification Number 74 **637 WEST 125TH ST/MANH** **Spill Number: 8905876** **Close Date: 02/23/1993**
637 WEST 125TH STREET NEW YORK CITY, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 1649 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER Spiller: NATIONAL COUNCIL OF CHURC Spiller Phone: (212) 870-2181
Notifier Type: Tank Tester Notifier Name: Notifier Phone:
Caller Name: PHIL FAZIN Caller Agency: CROWN LEAK DETECTION Caller Phone: (516) 939-2959
DEC Investigator: BATTISTA Contact for more spill info: Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved	Meets Cleanup Standards	Penalty Recommended
09/14/1989	02/23/1993	TANK TEST FAILURE	2-342130	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	-1.00	UNKNOWN	0.00	UNKNOWN	GROUNDWATER

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		Unknown	0.00	UNKNOWN

Caller Remarks:

1.5K TANK FAILED HORNER EZY CHECK WITH A GROSS LEAK, WILL EXCAVATE, ISOLATE & RETEST.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 75 **MANHATTENVILLE BUS DEPOT** **Spill Number: 9900720** **Close Date: 03/09/2005**
666 WEST 132ND ST MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1825 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Tank Tester
Caller Name: JERRY KASPAR
DEC Investigator: MCTIBBE

Spiller: MR SINGH/HENDRICH CONSULT - NYCTA
Notifier Name: FRANCIS DRYSLEWSKI
Caller Agency: CROMPCO CORP
Contact for more spill info: SINGH/HENRICH CONSULTANTS

Spiller Phone: (516) 293-6920
Notifier Phone: (610) 278-7203
Caller Phone: (610) 278-7203
Contact Person Phone: (516) 293-6920

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/19/1999		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
001	2000	USTest 2000/P/LL plus USTest 2000/U	0.00	FAIL

Caller Remarks:

TANK TEST FAILURE AT ABOVE LOCATION. LEAK WAS VISABLE AND REPAIRS

TO BE MADE AND TANK RETESTED. NO CALL BACK REQUESTED.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"

03/09/05: It was discovered by Franklin Company that one of 4 flex connectors on the fill line the heating oil tanks was leaking. Franklin replaced the flex connector and tested both the primary and secondary lines. Both passed. See also 99-00473.

Any contamination that may exist from this spill will bbe remediated by NYCT CPM as per of an ongoing remediation under spill #s 95-06400 (dispensor area), 01-05323 (inside diesel vault) and 01-11827 (outside diesel vault).

Map Identification Number 76 **MANHATTANVILLE DEPOT** **Spill Number: 9900159** **Close Date: 04/20/2004**
666 WEST 133RD STREET MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1825 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: 666 WEST 133RD ST
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Responsible Party
Caller Name: ANTHONY LARA
DEC Investigator: MCTIBBE
Spiller: NYCTA
Notifier Name:
Caller Agency: PETROLEUM TANK CLEANERS
Contact for more spill info: CALLER
Spiller Phone: (718) 243-4581
Notifier Phone:
Caller Phone: (718) 624-6934
Contact Person Phone:

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/05/1999		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
1	4000	Horner EZ Check I or II	0.00	UNKNOWN

Caller Remarks:

TANK FAILED TEST.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
TRANSFERED FROM HALE TO TIBBE ON 12/28/00.

Refer to 01-05323. Vault being remediated under this number.

Map Identification Number 77 **JEWISH THEOLOGICAL SEMINARY** **Spill Number: 0012287** **Close Date: 08/05/2005**
3080 BROADWAY MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 2040 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Tank Tester
Caller Name: PHIL FAZIN
DEC Investigator: TLGIBBON

Spiller: BRIAN MURPHY
Notifier Name: PHIL FAZIN
Caller Agency: CROWN LEAK DETECTION
Contact for more spill info: BRIAN MURPHY

Spiller Phone: (212) 678-8095
Notifier Phone: (516) 939-2959
Caller Phone: (516) 939-2959
Contact Person Phone: (212) 678-8095

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved	Meets Cleanup Standards	Penalty Recommended
02/15/2001		TANK TEST FAILURE	2-064750	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

BROKEN GAUGE - NO PRODUCT IN TANK AT THIS TIME

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SANGESLAND"

6/8/05 - Site transferred to TLGibbons in Central Office

8/5/05 - Called Phil Fazin, Crown Leak Detection, 516-939-2959, who reported tank test failure on 2/15/01. He said the job was referred to Petroleum Tank Cleaners, Inc. (PTC), 718-624-4842, for repairs. Spoke to Diana at PTC and she said had the files on this spill and faxed them to me. On 2/8/01, PTC dug soil to tank and replaced vent line and fill line, plugging old fill line and cementing old fill box. On 2/20/01, PTC performed a tank test which failed. On 3/6/01, PTC removed tank assembly and replaced, retested tank and it passed. I asked about whether any contaminated soil had been identified. She said that no contaminated soil was found. Close spill

Map Identification Number 78 **CCNY BUILDING** **Spill Number: 0406912** **Close Date: 09/13/2005**
152-236 CONVENT AVE NEW YORK CITY, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (2)
Approximate distance from property: 2198 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Other
Caller Name: ROBERT BRAGG
DEC Investigator: JBTAMBE

Spiller: ESTER
Notifier Name: ROBERT BRAGG
Caller Agency: TANKNOLOGY
Contact for more spill info: ESTER

Spiller Phone: (212) 541-0430
Notifier Phone: (800) 666-1215
Caller Phone: (800) 666-1215
Contact Person Phone: (212) 541-0430

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/22/2004		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	UNKNOWN	0	UNKNOWN	SOIL
#2 FUEL OIL	PETROLEUM	0	POUNDS	0	POUNDS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
02	50000	VacuTest	0.00	UNKNOWN
02	50000	VacuTest	0.00	UNKNOWN
03	50000	VacuTest	0.00	UNKNOWN
03	50000	VacuTest	0.00	UNKNOWN

Caller Remarks:

tank test failed.dont supect any release.repairs will be made

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SAWYER"
9/24/04 Sangesland spoke to "Ester" at the facilites office.

Property is part of CCNY Campus.

According to her notes, one tank failed because of a leaking gasket on the manway. The other tank failed because of air bubbles in the "drop tube".

Repair work is being done and the school has rescheduled another tank test for 9/30/04.

01/03/05 - Sawyer - Talked to Ester at CCNY Campus and she will find documentation on what was done to repair the tanks.

09/13/05- Jacob-During repairs which was done on October 28, 2004, stained soil that exhibited an organic odor was encountered under the concrete slab on and around UST#2.Langan collected four endpoint soil samples. The analytical results from the endpoint soil sampling are presented on table 1 & 2 on appendix E on closure report, dated July 6,2005.

Map Identification Number 79 **235 ST NICHOLAS AVE** **Spill Number: 9312945** **Close Date: 10/15/2003**
235 ST NICHOLAS AVENUE MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2525 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: 235 SAINT NICHOLAS AVENUE
Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION Spiller: SAME Spiller Phone:
Notifier Type: Tank Tester Notifier Name: Notifier Phone:
Caller Name: TONY RIZZO Caller Agency: ALVIN PETRO Caller Phone: (718) 461-5400
DEC Investigator: SJMILLER Contact for more spill info: Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/02/1994		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	-1.00	POUNDS	0.00	POUNDS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		Unknown	0.00	UNKNOWN

Caller Remarks:

EIR - 2/3/94 TEST INCONCLUSIVE -

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MILLER"
10/10/95: This is additional information about material spilled from the translation of the old spill file: TTF.

Map Identification Number 80 **SHELL** **Spill Number: 8900371** **Close Date: 10/15/2003**
235 ST NICHOLAS AV MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2525 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: 235 SAINT NICHOLAS AVENUE
Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION Spiller: ROBERT SANFORD - SHELL Spiller Phone: (516) 937-3020
Notifier Type: Tank Tester Notifier Name: Notifier Phone:
Caller Name: HOWARD GREENBERG Caller Agency: ALVIN PETROLEUM Caller Phone: (718) 461-5400
DEC Investigator: SULLIVAN Contact for more spill info: Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/12/1989	04/19/1989	TANK TEST FAILURE	YES	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	-1.00	POUNDS	0.00	POUNDS	GROUNDWATER

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		Unknown	0.00	UNKNOWN

Caller Remarks:

TWO 4K TANKS FAILED PETRO. LR'S = -1.076GPH & -0.735GPH, WAS DETERMINED TANKS FAILED BECAUSE OF TRAPPED AIR, TANKS WERE RETESTED & PASSED.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

CLOSED STATUS UNKNOWN CAUSE SPILLS AND OTHER CAUSE SPILLS IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 81 **W 130 ST BETWEEN** CONVENT AV & AMSTERDAM AV NEW YORK, NY NO ZIP PROVIDED **Spill Number: 0508241** **Close Date: 11/28/2005**

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 121 feet to the NNE*

ADDRESS CHANGE INFORMATION
Revised street: CONVENT AVE / AMSTERDAM AVE
Revised zip code: UNKNOWN

Source of Spill: UNKNOWN
Notifier Type: Local Agency
Caller Name: ROBERTO DIAZ
DEC Investigator: SFRAHMAN

Spiller: UNKNOWN
Notifier Name: ROBERTO DIAZ
Caller Agency: DEP
Contact for more spill info: ROBERTO DIAZ

Spiller Phone:
Notifier Phone: (718) 595-4814
Caller Phone: (718) 595-4814
Contact Person Phone: (718) 595-4814

Spill Class: POSSIBLE REL WITH MIN POTENTIAL FOR FIRE OR HAZARD (OR KNOWN RELEASE W/ NO DAMAGE);DEC RESP;WILLING RP;CORR ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/10/2005		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
WASTE OIL/USED OIL	PETROLEUM	5.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

DEP RECEIVED ANONYMOUS CALL OF 5 GALLON PLASTIC CONTAINER CONTAINING WASTE OIL LEAKING ON STREET. STILL THERE AWAITING DEC ACTION.

DEC Investigator Remarks:

10.11.05 SR// Add to drum run.
11.28.05 Sharif// Not Found on 11.25.05 drum run.

Map Identification Number 82 **AMSTERDAM DEPOT** **Spill Number: 9404949** **Close Date: 11/30/2000**
1381 AMSTERDAM AVENUE MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 240 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Other
Caller Name: ANDREW SHIVELY
DEC Investigator: MCTIBBE
Spiller: NYCTA
Notifier Name:
Caller Agency: TANKNOLOGY
Contact for more spill info:
Spiller Phone: (716) 856-5636
Notifier Phone:
Caller Phone: (800) 666-2605
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/11/1994		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
WASTE OIL/USED OIL	PETROLEUM	-1.00	POUNDS	0.00	POUNDS	SOIL

Caller Remarks:

ISOLATE/RETEST IS BEING RECOMMENDED

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
TRANSFERED FROM HALE TO TIBBE ON 11/30/00. SEE ALSO 9110838. SEE FILE.

Map Identification Number 83 **IN A PIT** **Spill Number: 9905007** **Close Date: 02/05/2004**
AMSTERDAM AVE & W129TH ST MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 255 feet to the W

ADDRESS CHANGE INFORMATION
Revised street: AMSTERDAM AVE / W 129TH ST
Revised zip code: 10027

Source of Spill: UNKNOWN | Spiller: UNKNOWN | Spiller Phone:
Notifier Type: Other | Notifier Name: TRANSIT DEPT | Notifier Phone:
Caller Name: CHERELLE MAYFIELD | Caller Agency: DEP | Caller Phone: (718) 595-6777
DEC Investigator: MCTIBBE | Contact for more spill info: CALLER | Contact Person Phone: (718) 595-6777

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/27/1999		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
HYDRAULIC OIL	OTHER	50.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

caller reports unknow amt spill of hydraulic oil 9 inches high contained in a pit.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
reassigned from Sigona to Tibbe on 4/17/01.

refer to 99-05017.

Map Identification Number 84 **AMSTERDAM AVE/W 129TH ST** **Spill Number: 9608704** **Close Date: 10/15/1996**
AMSTERDAM AVE W 129TH ST MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 255 feet to the W

ADDRESS CHANGE INFORMATION
Revised street: AMSTERDAM AVE/W 129TH ST
Revised zip code: 10027

Source of Spill: UNKNOWN | Spiller: UNK | Spiller Phone:
Notifier Type: Local Agency | Notifier Name: TRANSIT AUTHORITY | Notifier Phone: (800) 393-8905
Caller Name: MR ODEA | Caller Agency: DEP | Caller Phone: (718) 595-6777
DEC Investigator: CAENGELH | Contact for more spill info: | Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/13/1996		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

slick of unknown oil on street

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ENGELHARDT"
Spoke to TA. Source unknown. Sanitation Dept. on site spreading sand.

Map Identification Number 85 **128TH ST & AMSTERDAM AVE** **Spill Number: 9315331** **Close Date: 03/06/1995**
128TH ST / AMSTERDAM AVE MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 453 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: W 128TH ST / AMSTERDAM AVE
Revised zip code: 10027

Source of Spill: UNKNOWN Spiller: SUSPECT BUS GARAGE Spiller Phone:
Notifier Type: Affected Persons Notifier Name: Notifier Phone:
Caller Name: SUSMITA BISWAS Caller Agency: NYNEX Caller Phone: (212) 338-7126
DEC Investigator: MCTIBBE Contact for more spill info: Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
03/28/1994		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	-1.00	POUNDS	0.00	POUNDS	SOIL

Caller Remarks:

CLEAN UP TO BE DONE 31 MARCH /94 BY E.P.& S. (908)486-8600 -

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
CLEANED BY NYNEX.

Map Identification Number 86 **26 PRECINCT NYPD -DDC** **Spill Number: 9516780** **Close Date: 02/17/2005**
520 WEST 126TH STREET NEW YORK, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 661 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Local Agency
Caller Name: IGOR GOLSHTEYN
DEC Investigator: ADZHITOM

Spiller: NYPD
Notifier Name: IGOR GOLSHTEYN
Caller Agency: RECON ENVIRON CORP
Contact for more spill info:

Spiller Phone:
Notifier Phone: (212) 545-7440
Caller Phone: (212) 545-7440
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
03/28/1996		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

CALLER DISCOVERED CONTAMINATED SOIL - CLEAN UP HAS NOT BEGUN

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ZHITOMIRSKY"

Site was addressed under the NYCDDC Consent Order. Original CM was Crow and then the site was handled by OBK. URS has

investigated and monitored the site for two years. Monitoring of groundwater wells showed that contaminant concentrations are below criteria or slightly above criteria. NFA leeter was issued by NYCDDC on 7/1/03 Alex Zhitomirsky

Map Identification Number 87 **CONVENT AVE & 128TH STR** **Spill Number: 9400780** **Close Date: 04/17/1994**
2125 CONVENT AVENUE MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 685 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: 21 CONVENT AVE
Revised zip code: 10027

Source of Spill: UNKNOWN Spiller: Spiller Phone:
Notifier Type: Fire Department Notifier Name: Notifier Phone:
Caller Name: JOE IOVIONO Caller Agency: NYC FIRE HAZMAT Caller Phone: (917) 882-5464
DEC Investigator: TOMASELLO Contact for more spill info: Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/17/1994		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	100.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

FIRE DEPT CALLED TO DWELLING. FOUND FUEL OIL ALL OVER. POSSIBLE TANK OVER FILL OR LEAK. NO ACTION TAKEN WANT CALL PACK.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 88 **408 WEST 130TH STREET** **Spill Number: 9309874** **Close Date: 03/05/2003**
408 WEST 130TH STREET MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 692 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Spiller: PUBLIC SCHOOL 129?
Spiller Phone:
Notifier Type: Affected Persons
Notifier Name:
Notifier Phone:
Caller Name: JACK W. JAFFE
Caller Agency:
Caller Phone: (914) 738-6791
DEC Investigator: SULLIVAN
Contact for more spill info:
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/15/1993		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	-1.00	POUNDS	0.00	POUNDS	SOIL

Caller Remarks:

BELOW BASEMENT - UNDERGR. STEAM - SOIL IS COMING UP THRU UNDERGR. STREAM INTO BOILER ROOM. THEY DON'T USE #6 F/O - WOULD LIKE CALL BACK.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 89 **419 WEST 128TH STREET** **Spill Number: 9402093** **Close Date: 05/12/1994**
419 WEST 128TH STREET MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 732 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Spiller:
Spiller Phone:
Notifier Type: Affected Persons
Notifier Name:
Notifier Phone:
Caller Name: HOLLIS (MS.)
Caller Agency: NYCDEP
Caller Phone: (718) 595-6777
DEC Investigator: SMMARTIN
Contact for more spill info:
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
05/12/1994	05/09/1994	UNKNOWN	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

OIL SPILLED IN BACK OF BLDG. PLEASE CONTACT FIRE DEPT. REFER TO DEP.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MARTINKAT"

Map Identification Number 90 **419 W. 128TH STREET** **Spill Number: 9401906** **Close Date: 05/11/1994**
419 W. 128TH STREET MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 732 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING Spiller: SUPERINTENDENT APT. 12 - MT. WILSON PARTNERS AP Spiller Phone: (212) 663-9334
Notifier Type: Fire Department Notifier Name: Notifier Phone:
Caller Name: FIREMAN HENRY Caller Agency: NYC FD Caller Phone: (718) 476-6288
DEC Investigator: MCTIBBE Contact for more spill info: Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
05/09/1994		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	100.00	GALLONS	100.00	GALLONS	SOIL

Caller Remarks:

OLD LEAK ONTO GROUND. OIL COMES TO SERFACE WHEN IT RAIN. DEP NOTIFIED.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
OVERFILL INTO COURTYARD. REFER TO 94-01941.

Map Identification Number 91 **1430 AMSTERDAM AVE/MANH** **Spill Number: 9011397** **Close Date: 03/27/1991**
1430 AMSTERDAM AVENUE NEW YORK CITY, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P6)
Approximate distance from property: 771 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 10027

Source of Spill: COMMERCIAL/INDUSTRIAL Spiller: Spiller Phone:
Notifier Type: Other Notifier Name: Notifier Phone:
Caller Name: BOB DECK Caller Agency: PETRO TANK CLEANERS Caller Phone: (718) 624-4842
DEC Investigator: MCTIBBE Contact for more spill info: Contact Person Phone:

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/28/1991	03/27/1991	UNKNOWN	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	-1.00	UNKNOWN	0.00	UNKNOWN	SOIL

Caller Remarks:

SPILL DISCOVERED BY CALLER & SUBSTANTIATED BY APT BLDG SUPER,THIS WAS DISCOVERED WHILE CLEANING UP SPILL AT ADJACENT SITE (SP#9011333),SUPERSAID HE WILL CLEAN UP SPILL & DISPOSE OF IT.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
03/27/91: DEC INVESTIGATED,COULDN'T FIND ANY DRUMS.

Map Identification Number 92 **1430 AMSTERDAM AVE/MANH** **Spill Number: 9011333** **Close Date: 03/27/1991**
1430 AMSTERDAM AVENUE NEW YORK CITY, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P6)
Approximate distance from property: 771 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 10027

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Fire Department
Caller Name: JOHN CASSIDY
DEC Investigator: MCTIBBE
Spiller: COASTAL OIL
Notifier Name:
Caller Agency: NYCFD
Contact for more spill info:
Spiller Phone: (718) 762-4200
Notifier Phone:
Caller Phone: (718) 476-6288
Contact Person Phone:

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/25/1991	03/27/1991	UNKNOWN	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	100.00	GALLONS	0.00	GALLONS	SEWER

Caller Remarks:

COASTAL HAD SPILL DURING NIGHT,CLEANED UP SPILL & PUT IN DUMPSTER, DUMPSTER WAS SET ON FIRE,OIL OVERFLOWED ONTO STREET & INTO SEWER,NYCFDWARNED OIL CO,COASTAL ENROUTE TO CLEAN UP,EPA,DEP NOTIFIED.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
01/26/91: NYCDEP RESPONDED,MB TRANSPORT (SUB CONTR OF COASTAL) MADE INITIAL DELIVERY,THEY ARE ALSO RESPONSIBLE FOR INITIAL CLEAN UP.

Map Identification Number 93 **MANHATTANVILLE -NYCHA** **Spill Number: 8906595** **Close Date: 02/06/2006**
1430 AMSTERDAM AVENUE NEW YORK CITY, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P6)
Approximate distance from property: 771 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 10027

Source of Spill: COMMERCIAL/INDUSTRIAL
Spiller: NYC HSG AUTH
Spiller Phone:
Notifier Type: Responsible Party
Notifier Name:
Notifier Phone:
Caller Name: MR. DIGINOVA
Caller Agency: NYCHA
Caller Phone: (212) 306-3138
DEC Investigator: SWKRASZE
Contact for more spill info:
Contact Person Phone:

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/19/1989		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	-1.00	UNKNOWN	0.00	UNKNOWN	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		Unknown	0.00	UNKNOWN

Caller Remarks:

STAINS ON WALLS, SUSPECT LEAK, WILL TEST TANK & DO SOIL BORINGS.

DEC Investigator Remarks:

12/28/05: This spill transferred from J.Kolleeny to S.Kraszewski.

02/06/06: This spill closed to consolidate with open spill #0006409. - SK

Map Identification Number 94 **SERVICE BOX 20506** **Spill Number: 0002628** **Close Date: 04/02/2004**
465 WEST 125TH ST
MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 829 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	CALLER - CON EDISON	Spiller Phone:	(212) 580-6763
Notifier Type:	Responsible Party	Notifier Name:		Notifier Phone:	
Caller Name:	BILL MURPHY	Caller Agency:	CON EDISON	Caller Phone:	(212) 580-6763
DEC Investigator:	JHOCONNE	Contact for more spill info:	BILL MURPHY	Contact Person Phone:	(212) 580-6763

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/01/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

1 pt of unk oil on 70 gal of water - clean up pending results

con ed spill #131670

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
e2mis no. 131670:

1 pint of an unknown oil in servicebox # 20506. Cleanup wil be pending the lab results.

sample no. 126051 PCB <1 ppm

DATE AND TIME THE CLEANUP WAS COMPLETED: 06/02/00, 20:00.

CLERANUP PROCEDURE: OIL AND WATER REMOVED VIA TANKER UNDER 50 PPM, FLUSH TRUCK FROM ENVIRONMENT OPERATIONS USED A

HIGH PRESSURE HOSE TO DOUBLE WASHED THE FLOOR AND WALLS WITH BIO-GENESIS SOLUTION (SLIX), SERVICE BOX WAS THEN RINSED BY

FLUSH TRUCK.

Map Identification Number 95 **Spill Number: 9808604** **Close Date: 02/03/2003**

545 WEST 125TH STREET
MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 864 feet to the W

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	CON EDISON	Spiller Phone:	(212) 580-6763
Notifier Type:	Responsible Party	Notifier Name:	MR. ROMANO	Notifier Phone:	
Caller Name:	FRANK MASSERIA	Caller Agency:	CON EDISON	Caller Phone:	(212) 580-6763
DEC Investigator:	CAENGELH	Contact for more spill info:		Contact Person Phone:	

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/11/1998		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN MATERIAL	OTHER	0	GALLONS	0	GALLONS	AIR

Caller Remarks:

SMOKE COMING FROM MANHOLE. BEING TREATED AS IF THERE IS >500 PPM OF PCB'S. REPORTED TO NATIONAL RESPONSE CENTER ALSO.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ENGELHARDT"

Map Identification Number 96 **SERVICE BOX 55632** **Spill Number: 0002627** **Close Date: 04/02/2004**

FRONT OF 469 W.125TH ST
MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 880 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: IFO 469 WEST 125 ST
Revised zip code: 10027

Source of Spill:	UNKNOWN	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Affected Persons	Notifier Name:		Notifier Phone:	
Caller Name:	MR SCHLAGEL	Caller Agency:	CON EDISON	Caller Phone:	(212) 580-6763
DEC Investigator:	JHOCONNE	Contact for more spill info:	MR SCHLAGEL	Contact Person Phone:	(212) 580-6763

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/01/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
OTHER	OTHER	1.00	GALLONS	1.00	GALLONS	SOIL
OTHER PETROLEUM	UNKNOWN	1.00	GALLONS	0.00	GALLONS	

Caller Remarks:

THEY HAVE A 1 QUART SPILL ON TOP OF 100 GALLONS OF WATER.

CLEANUP PENDING RESULTS.

131669 CON ED

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
e2mis no. 131669:

1 quart of unknown oil &100 gallons of water in sb #55632. Cleanup pending test results.

Lab-Seq# 00-05348 PCB <1 ppm

DATE AND TIME THE CLEANUP WAS COMPLETED: 06/2/00, 22:00.

CLEANUP PROCEDURE: OIL AND WATER REMOVED VIA TANKER UNDER 50 PPM, FLUSH TRUCK FROM ENVIRONMENT OPERATIONS USED A HIGH PRESSURE HOSE TO DOUBLE WASHED THE FLOOR AND WALL'S WITH BIO-GENESIS SOLUTION (SLIX), SERVICE BOX WAS THEN RINSED BY FLUSH TRUCK.

Map Identification Number 97 **STREET** **Spill Number: 0406199** **Close Date: 10/27/2004**
AMSTERDAM AV & W 125TH MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 889 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: AMSTERDAM AVE / W 125TH ST
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: Police Department
Caller Name: PO PIERRE
DEC Investigator: TJDEMEO

Spiller: UNKNOWN
Notifier Name: PO PIERRE
Caller Agency: NYPD 26TH PRECINT
Contact for more spill info: NYPD OFFICER PIERRE

Spiller Phone:
Notifier Phone: (212) 678-1311
Caller Phone: (212) 678-1311
Contact Person Phone: (212) 678-1311

Spill Class: POSSIBLE REL WITH MIN POTENTIAL FOR FIRE OR HAZARD (OR KNOWN REL W/ NO DAMAGE);NO DEC RESP;WILLING RP;CORR ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/07/2004		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
NON PCB OIL	PETROLEUM	0	UNKNOWN	0	UNKNOWN	SOIL
NON PCB OIL	PETROLEUM	0	POUNDS	0	POUNDS	SOIL

Caller Remarks:

NYPD dispatched to above location for spill of unkn oil, in roadway causing slick conditions.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "DEMEO"

10/27/2004 TJD
Roadway spill. Sanatation sanded street. No further action required. Spill closed.

Map Identification Number 98 **133RD ST & CONVENT AV** **Spill Number: 9600836** **Close Date: 04/18/1996**
133RD ST & CONVENT AV MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 902 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: W 133RD ST / CONVENT AV
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL VEHICLE
Notifier Type: Responsible Party
Caller Name: RICHARD ROACH
DEC Investigator: CAENGELH

Spiller: RICHARD ROACH - CON EDISON
Notifier Name: MR HIGGINS
Caller Agency: CON ED
Contact for more spill info: RICHARD ROACH

Spiller Phone: (212) 580-6764
Notifier Phone: (212) 580-6764
Caller Phone: (212) 580-6764
Contact Person Phone: (212) 580-6764

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/17/1996		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
ANTIFREEZE	OTHER	6.00	GALLONS	6.00	GALLONS	SOIL

Caller Remarks:

truck over heating caused spill of 6 gals anti freeze

onto black top drive way-has been cleaned up by con ed

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ENGELHARDT"
CLEANED BY RP.

Map Identification Number 99 **CITY COLLEGE** **Spill Number: 0604053** **Close Date: 08/11/2006**
141 CONVENT AVE MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P6)
Approximate distance from property: 917 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER | Spiller: BRUCE SUFFERN - DORMITORY AUTHORITY STATE | Spiller Phone: (212) 491-6930
Notifier Type: Local Agency | Notifier Name: | Notifier Phone:
Caller Name: | Caller Agency: | Caller Phone:
DEC Investigator: SFRAHMAN | Contact for more spill info: BRUCE SUFFERN | Contact Person Phone: (212) 491-6930

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/12/2006		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

THERE IS CONTAMINATED SOIL. CLEAN UP IS IN PROCESS.

DEC Investigator Remarks:

07/13/06 Rahman- Ronaldo Arco of PSI @212.889.0294 called DEC, they have taken out 35,000 galon tank. The tank was sitting on concrete slab and three of the side walls are building structural and other side is bed rock. They will send DEC the pictures.

08/09/06 Rahman- Inspected the site with DEC Veronica Zhune on 08/07/06 morning.PSI completed the removal of one 35000 gallon UST at the site.The tank location is on top the hilly area compared to the surrounding area.The sidewalls and bottom of the excavation were either bedrock or concrete, and no visible sheen was observed on the water.A total of 786 tons of contaminated soil were excavated and disposed.PSI excavated all soils between the former tank location and the Y building to an approx. depth of 20 ft below grade. VOCs were not detected in soils. SVOCs were detected. Detected compounds are PAHs,PSI recommended, a subject of SVOCs typically found in historic urban areas such as Manhattan.No VOCs or SVOCs were detected in the July 21st water sample. There was no visual evidence of any sheen on the water on or after July 21,2006. Based on the site inspection,work performed to remove contamination and analytical data, NFA is required.

Map Identification Number 100 **U-HAUL** **Spill Number: 8709144** **Close Date: 09/25/2006**
3270 BROADWAY NEW YORK CITY, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 1111 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	U-HAUL	Spiller Phone:	
Notifier Type:	Fire Department	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	aaobliga	Contact for more spill info:		Contact Person Phone:	

Spill Class: KNOWN RELEASE THAT CREATES A FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/25/1988		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	-1.00	POUNDS	0.00	POUNDS	GROUNDWATER

Caller Remarks:

ODORS EMINATING FROM SUMP IN BASEMENT, TANK TESTS ORDERED BY FIRE DEPT.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ROMMEL"
12/2/2003 transferred from Sangesland to Rommel

3/17/05-Vought-Spill transferred from Rommel to Vought.

9/26/05-Obligado-Spill transferred from Vought to Obligado

8/31/06 - Obligado - Phone message from Joey Peck at Amerco inquiring as to this spill number. I reviewed a Closure Report for this site from 1994. According to the report, the tanks were abandoned in place with concrete slurry. 4 soil borings were advanced adjacent to the USTs, one in the vent pipe area, and one in the fill port. Only minor PAH exceedences. Called Joey Peck and told him to submit a Closure Petition including a investigation into the basement sumps with a PID to ensure no more odors eminating from sumps.

9/25/06 - Obligado - Review letter report from ERM documenting vapor investigation. No existiting basement or crawl space and the property. Found a former sump that has been filled with concrete. No vapors were detected in building or around former sump. Discuss with Joe Sun. This spill is closed due to tanks have been removed in 1994, with no VOC impacts in endpoint samples, and no more vapor issues, and due to historic nature of spill.

Map Identification Number 101 **Spill Number: 9811696** **Close Date: 02/10/1999**

W 126TH ST 11TH AVE
MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1120 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: BROADWAY / W 126TH ST
Revised zip code: 10027

Source of Spill:	UNKNOWN	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Local Agency	Notifier Name:	INDUSTRIAL WASTE	Notifier Phone:	
Caller Name:	OJ FERGUSON	Caller Agency:	DEP	Caller Phone:	(718) 595-6700
DEC Investigator:	CAENGELH	Contact for more spill info:	OJ FERGUSON	Contact Person Phone:	(718) 595-6700

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/16/1998		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

CALLER HAD NO INFO

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ENGELHARDT"
12/16/98, 1739 - Keith Williams of DEP IWCS reported that gasoline from traffic accident and NYFD picked up w/ speedy dry and put into drums. Told him that DEC does not dispose of gas/oil from these incidents and that DEC's position was that waste was responsibility of vehicle owner and/or NYC.

Map Identification Number 102 **MANHOLE 57843** **Spill Number: 9901071** **Close Date: 07/19/1999**

125TH ST & BROADWAY
MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1182 feet to the W

ADDRESS CHANGE INFORMATION
Revised street: W 125TH ST / BROADWAY
Revised zip code: 10027

Source of Spill: UNKNOWN
Spiller: UNKNOWN
Spiller Phone:
Notifier Type: Affected Persons
Notifier Name:
Notifier Phone:
Caller Name: STEVE ROMERO
Caller Agency: CON EDISON
Caller Phone: (212) 580-6763
DEC Investigator: JHOCONNE
Contact for more spill info: CALLER
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/28/1999		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SEWER

Caller Remarks:

1 oz on 150 gallons water. cleanup pending.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
Con ed e2mis notes:

Discovered one gallon of unknown oil and 150 gallons of water at 11:00 hrs in manhole. Cleanup pending chem lab results. CIG
Steve Romero was notified at 12:21 hrs prior to completion of this report.

pcb<1ppmm AROCLOR 1254

Incident Status: Cleanup complete.

Unknown oil: 1 gal

AROCLOR 1254: 1 gal

pcb 0ppm

Aroclor 1242: 1ppm

Aroclor 1254: 1ppm

Aroclor 1260: 1ppm

Map Identification Number 103 **ENGINE CO. 037/LADD. CO. 40 FDNY -DDC** **Spill Number: 9905882** **Close Date: 03/23/2006**
415 WEST 125TH STREET NEW YORK, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 1182 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: Other
Caller Name: KEVIN MURPHY
DEC Investigator: ADZHITOM

Spiller: UNKNOWN
Notifier Name:
Caller Agency: TYREE ENVIRONMENTAL
Contact for more spill info: CALLER

Spiller Phone:
Notifier Phone:
Caller Phone: (516) 249-3150 ext. 2
Contact Person Phone: (516) 249-3150

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/17/1999		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

caller report they were doing geoprobing and found soil contamination.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ZHITOMIRSKY"

3-23-2006 The site was remediated under NYCDDC COnsent Order. AZ

Map Identification Number 104 **MANHOLE #61734S** **Spill Number: 0512334** **Close Date: 03/31/2006**
BROADWAY & TIEMAN PLACE MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1279 feet to the W

ADDRESS CHANGE INFORMATION
Revised street: BROADWAY / TIEMANN PL
Revised zip code: 10027

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	ERT DESK - CON EDISON	Spiller Phone:	(212) 580-8383
Notifier Type:	Responsible Party	Notifier Name:	TOM MARCINEK	Notifier Phone:	(212) 580-6763
Caller Name:	TOM MARCINEK	Caller Agency:	CON EDISON	Caller Phone:	(212) 580-6763
DEC Investigator:	GDBREEN	Contact for more spill info:	ERT DESK‘	Contact Person Phone:	(212) 580-8383

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/24/2006		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIELECTRIC FLUID	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

POSSIBLE FEEDER LEAK. UNKNOWN AMOUNT OF FLUID MIXED WITH WATER - APPRX 2000 GAL TOGETHER

162703.000

DEC Investigator Remarks:

162703. Also see 0512307.

Jan 24, 2006. @ 20:15 L. Crilley #15214, from Transmission Operations, discovered 2000 gallons of oil mixed with 1000 gallons of water in MH-61734S. As he was doing an inspection. The oil came from an adjacent stucture. All State was on location cleaning the adjacent structure, at the time the oil was discovered. All State
will be cleaning MH-61734S also. Feeder M52. 345KV. No smoke/fire involved. No sewer/waterways affected. No injuries related to the spill. Weather conditions did not contribute to the spill. Substance; dielectric fluid. Cause; unknown. Source; adjacent structure. No private property affected. No environmental tag will be hung, as per Crilley.
No standing water. No sewer connection. No visual water movement. The oil/water has already been removed by All State. Clean-up is in progress. Logger: T. Haynes 82326

3/31/06
This spill is closed based on report in eDocs. (SKA)

Map Identification Number 105 **MANHOLE#47018** **Spill Number: 0409472** **Close Date: 05/18/2005**
TIEMANA PLACE/BROADWAY MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1279 feet to the W

ADDRESS CHANGE INFORMATION
Revised street: TIEMANN PL / BROADWAY
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: Other
Caller Name: LARRY COSTA
DEC Investigator: GDBREEN

Spiller: ERT DESK - MANHOLE#47018
Notifier Name: LARRY COSTA
Caller Agency: CON ED
Contact for more spill info: ERT DESK

Spiller Phone: (212) 580-8383
Notifier Phone: (212) 580-8383
Caller Phone: (212) 580-8383
Contact Person Phone: (212) 580-8383

Spill Class: POSSIBLE REL WITH MIN POTENTIAL FOR FIRE OR HAZARD (OR KNOWN REL W/ NO DAMAGE);NO DEC RESP;WILLING RP;CORR ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/22/2004		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

i gallon of unknown oil spilled onto 75 gallons of water in a manhole. Unable to be cleaned up because of parking restrictions.
e2MIS # 156332.

DEC Investigator Remarks:

Richard Hudak 42514 found approx. one gallon unknown oil on top of approx. 75 gallons of water. There is no oil filled equipment in the structure. There is standing water but no visual movement. Unable to see sump, there is no sewer connection and no substantial cracks. Spill tag #41934 installed. There is no evidence of release to sewer or waterway. Two liquid samples taken for PCB and Oil Id.

Lab Sequence Number: 04-09682-001 @ 17:13 Date Approved: 11/22/2004 PCBs < 1 ppm

12/19 @ 15:05
The Final cleanup has been completed taoday at 14:30 hours. No solid waste was removed.
All liquids were removed by the Vactor truck. The structure was double-washed with "SLIX". The Environmental tag # 41934 was removed. There was no visible sign of the source of the spill.

Map Identification Number 106 **MANHOLE 6016** **Spill Number: 9814772** **Close Date: 01/27/2004**
E 132 ST/BROADWAY BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1284 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: UNKNOWN

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Responsible Party
Caller Name: MIKE CESARE
DEC Investigator: CAENGELH

Spiller: CON EDISON
Notifier Name: MR SCHLEMBACH
Caller Agency: CON EDISON
Contact for more spill info: MIKE CESARE

Spiller Phone: (212) 580-6763
Notifier Phone: (212) 580-6763
Caller Phone: (212) 580-6763
Contact Person Phone: (212) 580-6763

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
03/11/1999		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIELECTRIC FLUID	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

LINE FOUND CUT - NKNOWN CIRCUMSTANCES - MATERIAL ABOUT 1 QT - CLEANUP AFTER TESTING - #123587

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ENGELHARDT"
e2mis no. 123587:

FOUND DIELECTRIC CABLE OIL ON FLOOR OF MH 6016. NO SUMP

PUMP. DRAIN UNKNOWN. NO SEWER CONNECTION. PLATE #3C. TOOK SAMPLE.

March 12 1999 results came back 73 ppm clean up will start when crews become available later inthe shift.

MAR.13, 1999

CLEAN UP COMPLETE AT 13:20.

Map Identification Number 107 **FEEDER M52** **Spill Number: 0403102** **Close Date: 08/26/2004**
W.132ND ST/BROADWAY MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1284 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: UNKNOWN

Source of Spill:	UNKNOWN	Spiller:	ERT DESK - CON ED	Spiller Phone:	(212) 580-8383
Notifier Type:	Other	Notifier Name:	TOM MARCINEK	Notifier Phone:	(212) 580-6763
Caller Name:	TOM MARCINEK	Caller Agency:	CON ED	Caller Phone:	(212) 580-6763
DEC Investigator:	JHOCONNE	Contact for more spill info:	ERT DESK	Contact Person Phone:	(212) 580-8383

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/21/2004		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIELECTRIC FLUID	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

FEEDER IS LEAKING: NOT SURE WHERE THE LEAK IS: CREW IS SEARCHING FOR IT: HASNT BEEN CLEANED UP YET:

** SPILL WAS LOCATED ON BROADEAY & WEST 132ND STREET CONTAINED TO MANHOLE APX. 1100 GALLONS OF FEEDER OIL: CALLED BACK AGAIN AND IT IS CONTAINED TO A DIRT EXCAVATION:

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
6/22/04: met on site with Frank Nickolauk (S&TO). Leak was located outside W. 132nd St. PURS on 5" recirculating line. Clamp installed. Crew is removing coating to measure for permanent barrel. Once welding is complete, soil remediation will begin. (JHO)

6/24/04: Spoke with Frank Nickolauk - excavation is approx. 24' long by 9' wide. Sampling scheme set up as follows:

4 samples from floor equally spaced

4 samples from sidewalls approx. 1' off floor

1 sample from each end wall approx. 1' off floor

All will be analyzed for TPH via EPA modified 8100, and for total benzene. (JHO)

7/8/04: initial sample results received. TPH values high (16,000 to 40,000 ppm) on floor, northw all and east wall. Requested additional excavation and sampling. (JHO)

7/23/04: excavation extended north and east (new dimensions 36’ long x 10’ wide x 8’ deep). Sample results indicate continued elevated TPH (11,000 to 17,000 ppm) on floor of excavation only. Requested additional 1 foot depth be removed, resampled. (JHO)

8/2/04: Additional soil removed, sample results indicate still have some limited areas of elevated TPH immediately below leak location. Met on-site with Leon Paretsky and Larry Crilley (S&TO). Excavation below barrel is down to 9’ 6". Floor is boulders/bedrock (no more soil to be removed). According to Crilley, rainwater over last weekend accumulated in trench and no sheen was observed. Cannot excavate any deeper. OK to backfill. Close out. (JHO)

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e2mis no. 153976:

P Abel #10966 reports that the leak detection alarm on feeder m52 in w 49 st sub station detected a leak on the feeder. Abel stated that the differanc in oil from the sister feeder was 109 gallons and leaking at a rate of 63 gallons per hour.

e2mis no. 153980:

THIS IS A CONTINUATION OF INCIDENT E2MIS 153976 (LEAK DETECTION ALARM ON FDR 52 WEST 49TH ST SUBSTATION.

5 crews from TO and CGO checking manholes. At 23:28 PFT was picked up in air by 132nd St Cooling Plant. CP was inspected again and no leak was found. Barholes were placed along 132nd St between CP and Broadway. At 03:00 6/22/04 feeder was placed on reduced pressure. At 05:00 signal was pinpointed to between 2 barholes and excavation was started approx 300’ w/o Broadway on 132nd St. At approx 06:45 dielectric fluid was found in excavation. Excavation continues to uncover leak. At 07:00 CSD reports that leak rate was greatly reduced when 132nd St CP was shut down. Excavation continues and temp clamp installed at 08:00 but not holding 100%. CTW removal continues to find good pipe for welding.

Additional dielectric fluid is being removed from excavation; bucket is under clamp to collect dielectric fluid seeping from temporary clamp. Per conversation with John Hegarty, Manager, Manhatten Substation, preliminary estimate of amount of dielectric fluid released is about 1100 gals.

Clean Ventures removed 25 yd of material under CVCC052043 on 6/23/04 and 206.5 gallons of liquid under CVCC052042 on 6/22/04.

On 6/22/04 Clean Ventures removed 25 yards of material under CVCC052041. On 6/24/04 Clean Ventures removed an additional 25

cubic yards of material under CVCC 052045.

On June 25 soil samples were taken by Jacques Whitford and analyzed for dielectric fluid via method 8100 and benzene (total and TCLP) to determine the extent of any residual contamination in the soil. The excavation was about 16 feet long, 10 feet wide and about 6 feet deep. The sample results are summarized below (Chain of Custody no DD18036, LSN No 04-0989). The samples were
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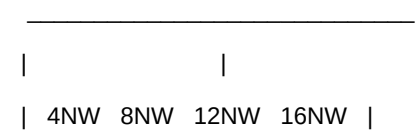
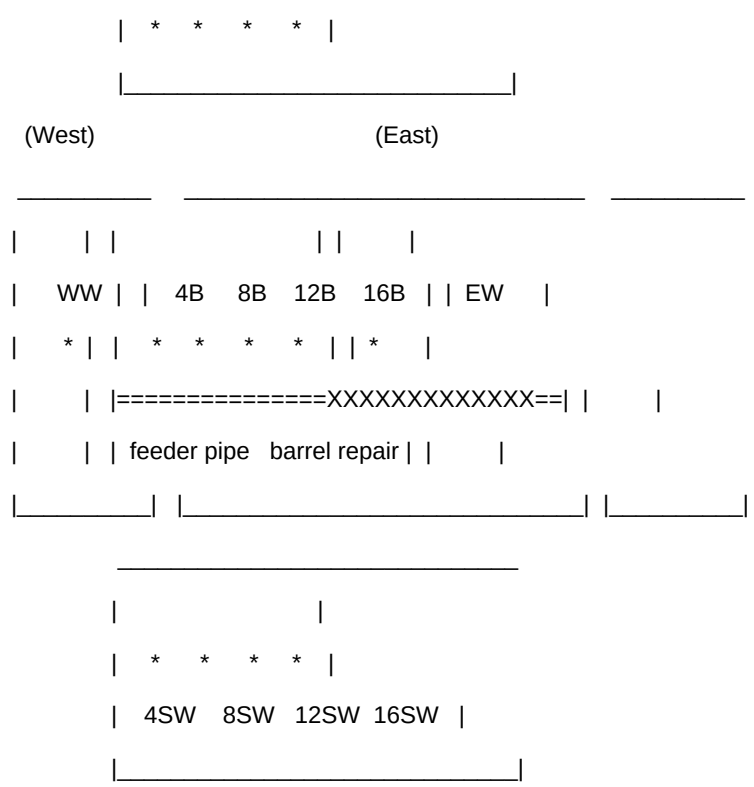
analyzed by ETL. In addition, Jacques Whitford performed a jar

screen test at the sampling locations to provide some qualitative sampling analyses. The results are presented in the last column of the table below.

Sample Location (depth)	TPH Conc. (ppm)	Benzene conc. (ppb)
WW (5')	4090	<0.24
4SW (5' 9")	1080	<0.24
4B (7' 4")	281	<0.25
4NW (4' 5")	77	<0.23
8SW (5' 11")	1060	<0.26
8B (7' 2")	21600	<0.23
8NW (6' 3")	593	<0.23
12SW (5' 3")	2670	4.76
12B (6' 11")	7460	<0.24
12NW (5' 6")	49.4	<0.24
16SW (5' 6")	28.8	<0.59
16B (6' 8")	16000	142
16NW (6')	39900	826
EW (5' 6")	21700	3.05

North side





On July 7 the excavation was reinspected. The excavation had been extended widthwise to about 24 feet; the plans are to remove additional soil from the bottom and extend the excavation. Resampling of the excavation will then be conducted.

Map Identification Number 108 **MANHOLE #61799** **Spill Number: 0105570** **Close Date: 10/15/2001**
BROADWAY & 132ND ST MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1284 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: BROADWAY / W 132ND ST
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: Local Agency
Caller Name: RICHARD ROACH
DEC Investigator: KMFOLEY

Spiller: UNKNOWN - UNKNOWN
Notifier Name: MR PELLOGRINO
Caller Agency: CON EDISON
Contact for more spill info: RICHARD ROACH

Spiller Phone:
Notifier Phone:
Caller Phone: (212) 580-6763
Contact Person Phone: (212) 580-6764

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/23/2001		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	3.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

3 gal unk oil on 1000 gals of water - sample taken - clean up pending lab results

con ed #139086

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "FOLEY"
Con Ed e2mis Notes:

8/23/01 While working in manhole, Transmission Operations discovered 3gal unknown oil on 1000gal water. Source of the spill and cause of the spill are unknown. It spilled onto concrete manhole floor.

Spill was reclassified from a 24hr spill to a "Spill-Oil(unknown type)" due to lack of manpower.

Sample returned <1ppm PCB. S&D Environmental removed all visible traces of oil and washed stained areas. Cleanup was completed on 8/27/01.

Map Identification Number 109 **VERIZON** **Spill Number: 0330031** **Close Date: 11/06/2003**
603 WEST 130TH STREET MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 1334 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Responsible Party
Caller Name: MARK TIBBE
DEC Investigator: JBVOUGHT

Spiller: JERONE KUNG - VERIZON
Notifier Name: JOHN QUATRALE
Caller Agency: NYSDEC
Contact for more spill info: JEROME KUNG

Spiller Phone: (212) 338-6754
Notifier Phone: (212) 338-7141
Caller Phone: (718) 482-4097
Contact Person Phone: (212) 338-6754

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
05/17/1999		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	0	GALLONS	0	GALLONS	GROUNDWATER

Caller Remarks:

Contaminated soil discovered during site assessment for tank closure.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "VOUGHT"
Transfered from Tibbe to Vought on 9/3/03.

9/17/2003-Vought-File review by Vought:

UST Closure Report-Dec 1992-Rose, Beaton and Rose-Scott Carter-Abandonment in place of two (2000-gallon) gasoline USTs. Inspection of excavation "revealed no evidence of loss of product". Site occupied by New York Telephone. Two soil borings were performed for the purpose of "site assessment", one north of UST and one south of UST. Soil samples analyzed for BTEX showed no TAGM exceedances. Soil samples obtained from depth of 10'.

Tank Closure Report-Nov 1994-Stearns and Wheler-Summary of Dec 1992 report by Rose (see above). Groundwater present at 12' during installation of two new (2000-gallon) gasoline USTs to replace those previously abandoned.

Meeting of DEC(Tibbe) with Lexcion and Bell Atlantic results in DEC requring additional soil borings.

Limited Subsurface Investigation Report-May 1999-Site occupied by Bell Atlantic-Report by Lexicon-Five soil borings performed in Oct 1998. Groundwater estimated to flow to the southwest. Boring depths were up to 13'. Sample analyticals from SB-3 showed up to 2480000ppb total VOCs. SB3 is downgradient from abandoned USTs. Report recommends installation of monitoring wells.

May 1999-Meeting of DEC(Tibbe) with Lexicon and Bell Atlantic results in DEC requring four monitoring wells.

Limited Subusurface Investigation Report-May 2000-Lexicon-Installation of four monitoring wells to a depth of 17'. Groundwater flows to the east. Groundwater analyticals show up to 741ppb benzene(MW4), 3100ppb toluene(MW4), 547ppb napthalene(MW4), 896ppb MTBE(MW3) and 4.28ppb benzene(MW1). MW3 located adjacent to fomer piping run. Report recommends three quarterly sampling events.

June 2000-Meeting of Verizon, DEC and Lexicon resulted in DEC requiring delineation downgradient of MW4. Monitoring well (MW5) was installed to a depth of 17'in Nov 2000 due to basement renovation. Lexicon requests no further action due to "decrease in VOC concentrations by two orders of magnitude". Groundwater flow to the east. Groundwater analyticals of MW5 showed non-detect. Groundwater samples from other wells showed up to 93ppb benzene(MW4), 19.1ppb benzene(MW1), 136ppb MTBE(MW5) and 22.3ppb MTBE(MW3).

Groundwater Monitoring Reports-Nov 2000 thru Nov 2001-Lexicon-Reports sent on behalf of Verizon. OPR injection plan implemented in April 2001 injecting 270lbs of ORC at 16 locations. Post ORC injection groundwater samples showed up to 136ppb benzene(MW4), 31.2ppb MTBE(Mw3), 134ppb MTBE(MW2), and 13.87ppb benzene(MW1). Aug 2001 samples show up to 124ppb benzene(MW4), 26.2ppb MTBE(MW3), 298ppb MTBE(MW2) and 10.9J(MW1).

Update Reports-Envirotrac-Jeff Bohlen (631-471-1500)-Sept 2001 thru March 2003-March 2002 report shows groundwater flow direction is to the northwest is is sampled on a quarterly basis. Five monitoring wells on-site. A second ORC application took place on 5/16/02 of 300lb at ten locations. June 2002 report shows groundwater flow to the northeast. September 2002 report shows groundwater flow to the east-southeast. Dec 2002 report shows groundwater flow to the east-southeast. March 2003 report shows groundwater flow to the north-northeast. Groundwater analyticals from March 2003 show 21ppb benzene(MW4), 670ppb toluene(MW4), 2260ppb xylene(MW4), 71ppb MTBE(MW4), 14ppb MTBE(MW2).

9/17/2003-Vought spoke with DEC Rommel and DEC requires delineation up and downgradient of most contaminated well (MW4). If analyticals from borings pass TAGM then closure will be granted upon sensitive receptor survey. If analyticals indicate contamination a more aggressive remediation technique will be required. Vought sent letter with above requirements to Envirotrac (Jeff Bolan-516-807-8983) and Verizon. Vought called Bohlen to explain requirements. Vought called Kung to explain requirements and for fax #.

9/18/2003-Vought-received call from Jerome Kung (F)212-687-3457 cell-646-483-6554. Vought called Kung to explain requirements.

9/26/2003-Vought-Received call from Jerome Kung-Borings will be peformed on 10/1/03.

10/1/03-Vought-performed site visit. Borings unable to be performed due to contractors blocking access driveway.

11/6/2003-Sun-File Review by Joe Sun-

Update Reports-Envirotrac-Jeff Bohlen (631-471-1500)-April 2003

thru October 2003-June 2003 report shows groundwater flow

direction is to the northwest and was sampled on a quarterly basis. Seven (7) monitoring wells on-site.Ground water samples were collected from existing on-site monitoring wells MW-1 thru MW-5 on 9/17/2003. In response to a letter from the NYSDEC dated 9/18/2003, two (2) additional monitoring wells MW-6 and MW-7 were installed at the site to a depth of 16'on 10/7/2003. October 2003 report shows groundwater flow to the northeast. Ground water samples were collected from MW-6 and MW-7 on 10/7/2003. The results of the third quarter ground water monitoring event indicated a decrease in dissolved VOC concentrations in existing monitoring wells MW-1, MW-2, MW-3, MW-4 and MW-5. MTBE was detected in MW-6 and MW-7.The soil samples from immediately above the groundwater interface from both borings for MW-6 and MW-7 indicated that VOCs were not detected in either of the soil samples collected. Groundwater analyticals from October 2003 show 740ppb toluene(MW4), 120ppb Ethylbenze(MW-4), 2200ppb xylene(MW4), 110ppb MTBE(MW6), 37ppb MTBE(MW7).

11/6/2003-Sun-Based on soil and ground water sampling data of October 2003 Report, and no sensitive receptor up and downgradient of most contaminated well (MW-4), and also based on overall downward trend of chemical concentrations of compounds, and direction of DEC Remediation Supervisor (Jennifer Rommel), this Spill # 03-30031 is closed today by Joe Sun..

Map Identification Number 110 **VAULT 3098** **Spill Number: 0211558** **Close Date: 09/26/2003**
603-11 W 129TH ST MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 1348 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN Spiller: UNKNOWN Spiller Phone:
Notifier Type: Affected Persons Notifier Name: MR PURCHASE Notifier Phone:
Caller Name: ANDREW MORRIS Caller Agency: CON EDISON Caller Phone: (212) 580-6763
DEC Investigator: JHOCONNE Contact for more spill info: Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/21/2003		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	300.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

300 gal oil/water mixture contained in vault - clean up pending tanker & crew - samples taken - weather contributed to spill due to melting snow - ref #147247

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
e2mis no. 147-247:

21-FEB-2003 @ 12:15

At the location of 603-11 W 129 St in V-3098 found approx. 300 gallons of oil and water mixed. Samples taken PCB & ID. Sewer connection not verified. No sump pump. Clean up pending tanker and crew.

Aroclor 1242 < 1.0 ppm EPA 608/8082

Aroclor 1254 < 1.0 ppm EPA 608/8082

Aroclor 1248 < 1.0 ppm EPA 608/8082

Aroclor 1260 < 1.0 ppm EPA 608/8082.....J Moran #01182

Due to system being down input was delayed

UPDATE 02/22/03 05:55 hrs.

V Mannino # 56899 operating supervisor reported to N.Muldoon # 18723 that the partial cleanup was complete. 2000 gallons of oil and water mix was removed from the vault and 210 gallons of oil was removed from the transformer. The vault was double washed with slix. Spill tag # 36385 was left in place. Final cleanup will be completed when the unit is removed. Cleanup persons can be found in the Event Involved Persons Screen.

2/23 @ 19:25

LSN # 03-01479-001 @ 18:26

Date Approved - 2/23/2003.....Date Received and sampled - 2/21/2003

Oil Identification Analysis by NYSDOH 310-13 (Hydrocarbon Scan)

MATRIX: LIQUID GRAB

LOCATION: F/O 603-11 W.129 ST

STRUCTURE: VAULT 3098 FEEDER ID: 2M29

Analysis indicates the presence of a substance similar to a dielectric fluid.

Update 4-11-03

J Liguori #14084 reports that the cleanup is complete as of 05:30. Double washed with slix and flushed. Transformer removed. Tag # 36385 removed.

Map Identification Number 111 **MERCURY SPILL CITY OWNED SITE** **Spill Number: 0408101** **Close Date: 11/05/2004**
150 CONVENT AVE NEW YORK, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (2)
Approximate distance from property: 1374 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	UNKNOWN	Spiller:	JAMES SCULLIN - CITY OWNED SITE		Spiller Phone: (212) 922-0077
Notifier Type:	Responsible Party	Notifier Name:	JAMES SCULLIN		Notifier Phone: (212) 922-0077
Caller Name:	JAMES SCULLIN	Caller Agency:	WARREN AND TANZER		Caller Phone: (212) 922-0077
DEC Investigator:	CESAWYER	Contact for more spill info:	JAMES SCULLIN		Contact Person Phone: (212) 922-0077

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/21/2004		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
MERCURY	HAZARDOUS MATERIAL	5.00	POUNDS	0.00	POUNDS	SOIL

Caller Remarks:

LEAK IS ON SOIL. HASNT BEEN CLEANED UP.

DEC Investigator Remarks:

Sangesland spoke with James Scullin of Warren & Panzer 917-807-6343

NYCDEP Water Pipeline facility "GateHouse" has been out of service for 30 years.

135th St Gate House.

Soil Excavation being done at the site. Bottom of the pit is a cement slab. During excavation a "Puddle" of mercury formed on this cement slab.
No idea what the source was. Construction site has been closed down, Air sampling is being done, a "Proper Cleanup" will be started on 11/22

11/5/04 - Sawyer - Will be referred to DOH or Hazrdous Waste. No further NYSDEC spills involvement required. Closed.

Map Identification Number 112 **CONED MANHOLE#27844** **Spill Number: 0405111** **Close Date: 10/27/2004**
WEST 133RD/BROADWAY MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1432 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: W 133RD ST / BROADWAY
Revised zip code: UNKNOWN

Source of Spill: UNKNOWN
Notifier Type: Responsible Party
Caller Name: LARRY COSTA
DEC Investigator: JHOCONNE

Spiller: ERT DESK - CONED MANHOLE #27844
Notifier Name: LARRY COSTA
Caller Agency: CON ED
Contact for more spill info: ERT DESK

Spiller Phone: (212) 580-8383
Notifier Phone: (212) 580-6763
Caller Phone: (212) 580-6763
Contact Person Phone: (212) 580-8383

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/10/2004		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL
UNKNOWN PETROLEUM	PETROLEUM	0	UNKNOWN	0	UNKNOWN	SOIL

Caller Remarks:

UNKNOWN RED SUBSTANCE ON 300 GALLONS OF WATER TOOK SAMPLES AND RESULTS WILL DETERMINE CLEAN UP: NO TO 5 QUESTIONS & CONED # 154815:

DEC Investigator Remarks:

e2mis no. 154815:

1 gal of unknown substance on top of 300 gal of water. He stated substance is bright red. Clean up pending results.

Lab Seq. Number: 04-06338-001: Insufficient amount of sample extracted to perform oil identification.

Lab Sequence Number: 04-06337-001: PCBs < 1 ppm

Lab Sequence Number: 04-06337-002: Flash Point, PMCC > 140 deg F

08/16/04 15:20
G.Sullivan#82558 notified the control center on 08/16/04 at 15:07hrs. that the cleanup in M27844 was completed. This was a final cleanup. The were no solids removed and no drums or barrels used in the cleanup of M27844. There was 2100 gallons of liguids removed via tanker from M82558. The method of wash was double washed with slix. The environmental tag #18715 was removed from M27844. The source and cause of the spill is still unknown at this time. The cleanup was completed on 08/16/04 at 13:00hrs. G.Sullivan#82558 notified the control center that after the cleanup was completed, the reddish water started to enter M27844 again. S.Martis#86576 of ERT was notified and said he was going to investigate. S.Martis#86576 notified the control center 14:50hrs. to say that it was O.K. to close out the E2MIS report. S.Martis#86576 also notified the control center that there is a sink hole next to M27844 and in the sink hole there are some purplish or hot pink rocks that when water passes by them could be the cause of the reddish fluid in M27844.

Map Identification Number 113 **FEEDER M52** **Spill Number: 0010293** **Close Date: 07/02/2004**
BROADWAY & LA SALLE AVE NEW YORK, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1629 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: BROADWAY / LA SALLE ST
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: Responsible Party
Caller Name: BILL MURPHY
DEC Investigator: KMFOLEY

Spiller: CALLER - CON EDISON
Notifier Name: MR REIGHN
Caller Agency: CON EDISON
Contact for more spill info: CALLER

Spiller Phone: (212) 580-6763
Notifier Phone:
Caller Phone: (212) 580-6763
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/13/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIELECTRIC FLUID	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

CALLER REPORTING A SPILL OF APPROX 70 GAL/MIN OF FEEDER CABLE OIL LEAK DETECTION EQUIPMENT ON THE LINE STATES THAT THE LINE IS LEAKING ANYWHERE FROM THE WEST 49TH STREET SUBSTATION TO THE TUCKOHOE SUBSTAION IN YONKERS THIS LINE ALSO CROSSES THE HARLEM RIVER AT THE 155TH ST BRIDGE AND THE 255TH ST BRIDGE THE COAST GUARD WAS NOTIFIED BY CON EDISON LEAK WAS NOT PHYSICALLY VERIFIED AT THIS TIME CALLBACK TO CON EDION FOR MORE INFO. CREWS CHECKING MANHOLES ON THE RUN OF THE FEEDER AND SUBSTATION FOR LEAKS NON PCB OIL INVOLVED SPILL RESPONSE BOAT ALSO NOTIFIED AND ENROUTE TO THE AREA OF THE BRIDGES

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "FOLEY"

APPENDIX B SITE 69

SPILL ORIGINALLY SENT TO R3. IT IS IN R2. BOB CORCORAN 12/27/2000.

12/13/00 Con Ed monitor (Okwuoha) and regional staff Mark Tibbe responded off hours to 70gal/hr dielectric fluid leak at Broadway and LaSalle. Spill came from leaking feeder that runs from W 49th St Substation to a substation in Yonkers. Cleanup and repair were in progress upon arrival. Con Ed said oil samples had been taken and soil samples will be taken after cleanup is completed.

12/15/00 Okwuoha Notes: Spoke with John Monahan. Spill location covered with steel plates, however Con Ed dug up soil 30m south of spill spot in order to remove the asbestos coating and put on a new hand wrapped coating. Instructed John that sample results must be faxed over before backfilling can be authorized.

2/6/01 Met with J. Tranchina and Chem Lab at 123rd St and Broadway. Will take samples for TPH. (KMF)

7/2/04 Spill submitted for closure. TPH concentrations OK for closure. (JHO)

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Con Ed e2mis #134737:

12/13/00 0855hrs USI Leak detection indicates a leak of 70gal/hr on fdr M52. Gas Corrosion dispatched to patrol run of feeder and inspect manholes. Two PFT vans dispatched to patrol feeder. Substation Operations to inspect all associated equipment. Feeder M52 runs between the W 49th St and Sprainbrook Substations. S&D to patrol river crossing.

TO sent 2 crews to check Manhattan and 2 crews to check Bronx and Westchester. Both PFT vans out running feeder. Feeder removed from service at 09:48. At 1300 barhole crew requested to sample from 125th to LaSalle Pl. At 1600 Clean Harbors notified to respond and stand by. Excavation started 120’ s/o LaSalle Pl. At 23:30 12/13/00 temp clamp installed. Custom barrel fabricated and installed 23:00 12/14/00. ETI performed 3rd party weld inspection. Feeder returned to service at 05:13 12/15/00. Other damaged sections of pipe found and repairs to be done to them also.

Chem Lab reported 00-11684 <1ppm PCB in fluid, 00-11685 44ppb TCLP benzene in soil and 00-11687 <1ppm PCB in soil. On 12/15/00 Clean Harbors removed 6cu yrds of material. CSD reports total loss for leak is 979.5 gal. On 12/28/00 Clean Harbors removed 15cu
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yrds of spill material from trench.

Samples were taken in the area of the leak location on February 6, 2001, by a representative from Jacques Whitford. Sample locations were selected by Kerry Foley from the NYSDEC, who was on site. Samples were analyzed by Ecotest Laboratories, for TPH dielectric fluid (by method 8100) and TCLP benzene (LSN 01-01279). The results are presented in the following table:

Sample location	TPH Conc (ppm)	TCLP Benzene (ppb)
North Excavation, Bottom Mid	6200	<5
North Excavation, East Wall	3400	<5
North Excavation, West Wall	3400	<5

Map Identification Number 114 **MANHOLE #28707** **Spill Number: 0000688** **Close Date: 03/15/2004**
LASALLE ST & BROADWAY MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1629 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: LA SALLE ST / BROADWAY
Revised zip code: 10027

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Affected Persons
Caller Name: RICHARD ROACHE
DEC Investigator: JHOCONNE

Spiller: UNK
Notifier Name: RICHARD ROACHE
Caller Agency: CON EDISON
Contact for more spill info: RICHARD ROACHE

Spiller Phone:
Notifier Phone: (212) 580-6764
Caller Phone: (212) 580-6766
Contact Person Phone: (212) 580-6764

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/17/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	4.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

CLEANUP PENDING SAMPLE RESULTS-NO SEWERS OR WATERWAYS AFFECTED.

CON ED #130925

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
e2mis no. 130925:

4 gallons of oil unknown type in manhole 27807. Records show sewer connection, also have open ends of primary cable in manhole #27807 leaking a few drops of dielectric fluid. Spill is distribution dielectric fluid from a 3c primary cable open end. No sample is required cleanup will be treated at 50-499 ppm PCB.

Primary end now sealed by trouble shooter.

DATE AND TIME THE CLEANUP WAS COMPLETED : 04/18/00 , 20:00.

CLEANUP PROCEDURE : OIL AND WATER REMOVED VIA TANKER OVER >50PPM, SHOVEL LEAD CONTAMINATED OILY MUD AND SOLID HAZARDOUS WASTE IN 55 GALLON DRUM'S , FLUSH OPERATIONS USED A HIGH PRESSURE HOSE TO TRIPLE WASHED THE FLOOR AND WALLS WITH BIO-GENESIS SOLUTION (SLIX) , MANHOLE WAS THEN RINSED BY FLUSH TRUCK.

Map Identification Number 115 **125ST** **Spill Number: 0209121** **Close Date: 12/05/2002**
ST NICHOLAS AVE NEW YORK, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1653 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: W 125TH ST / ST NICHOLAS AVE
Revised zip code: UNKNOWN

Source of Spill: UNKNOWN
Notifier Type: Citizen
Caller Name: WILL CRAIG
DEC Investigator: JBVOUGHT

Spiller: UNKNOWN
Notifier Name: SAME
Caller Agency: CITIZEN
Contact for more spill info: WILL CRAIG

Spiller Phone:
Notifier Phone:
Caller Phone: (212) 749-3240
Contact Person Phone: (212) 749-3240

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;NO CORRECTIVE ACTION REQUIRED

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/04/2002		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
RAW SEWAGE	OTHER	0	GALLONS	0	GALLONS	SEWER

Caller Remarks:

caller states this is in the subway station. caller would like

to speak to dec rep.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "VOUGHT"
12/5/2002-Vought-Spoke with Mr. Craig and referred him to 718-DEP-HELP and NYCT Spills Hotline. Non-petroleum spill. Spill closed by Vought.

Map Identification Number 116 **NEW YORK CITY BOARD OF ED** **Spill Number: 9514262** **Close Date: 02/08/1996**
425 WEST 123RD STREET MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1674 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: TANK TRUCK Spiller: JIM CAREY - CASTLE OIL CORPORATION Spiller Phone: (718) 579-3414
Notifier Type: Responsible Party Notifier Name: JAMES MOREIA Notifier Phone: (718) 579-3414
Caller Name: JIM CAREY Caller Agency: CASTLE OIL CORPORATION Caller Phone: (718) 579-3414
DEC Investigator: SMMARTIN Contact for more spill info: Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/08/1996		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	30.00	GALLONS	30.00	GALLONS	SOIL

Caller Remarks:

SOMEONE RAN OVER FUEL LINE FROM TANK TRUCK AND IT CAME OFF THE FILL. ONTO STREET IN FRONT OF BUILDING. BEING CLEANED UP. LINE TO BE REPAIRED AS NEEDED.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MARTINKAT"
SPOKE TO 579-3413, JANET - CLEAN UP CREW DISPATCHER

Map Identification Number 117 **PS 125** **Spill Number: 0003342** **Close Date: 06/19/2000**
WEST 123RD ST MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1674 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: 425 WEST 123RD STREET
Revised zip code: 10027

Source of Spill: UNKNOWN Spiller: UNKNOWN Spiller Phone:
Notifier Type: Citizen Notifier Name: SAME Notifier Phone:
Caller Name: JOHN THOMAS Caller Agency: CITIZEN Caller Phone: (212) 749-5549
DEC Investigator: MCTIBBE Contact for more spill info: JOHN THOMAS Contact Person Phone: (212) 749-5549

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/14/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
CHOCOLATE	OTHER	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

CALLER REPORTING ABOVE MATERIAL AT ABOVE LOCATION. CALLER

HAS CONTACTED SEVERAL LOCAL AGENCIES AND NO ONE RESPONDED

FOR CLEANUP. CALLER REFERRED TO DEC HOTLINE BY UNKNOWN LOCAL

AGENCIES.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
DOES NOT SMELL LIKE OIL. TOLD CALLER TO CALL SANITATION AND/OR DEP.

Map Identification Number 118 **W 132ND ST PURS UNIT R3 (M51S)** **Spill Number: 0203041** **Close Date: 05/04/2007**
630 WEST 132ND STREET MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 1751 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: 630 WEST 132ND ST
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Responsible Party
Caller Name: KEVIN MCARDLE
DEC Investigator: JHOCONNE

Spiller: CALLER - CON ED
Notifier Name:
Caller Agency: CON EDISON
Contact for more spill info: CALLER

Spiller Phone: (212) 580-6763
Notifier Phone:
Caller Phone: (212) 580-6763
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/22/2002		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	-1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

con ed # 143507 , historical.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "FOLEY"

5/4/07: site inspected with Con Edison (Chad Pfeiffer amd Voc Faster) - no active leaks on equipment. Contamianted soil around unit was excavated and removed. Post-excavation samples confirm cleanup. See eDocs for closure documentation. (JHO)

Map Identification Number 119 **PURS** **Spill Number: 0203039** **Close Date: 04/04/2007**
WEST 132ND ST MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 1751 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: 630 WEST 132ND ST
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Spiller: UNKNOWN - UNKNOWN
Spiller Phone:
Notifier Type: Other
Notifier Name: KEVIN MCCARDLE
Notifier Phone: (212) 580-6763
Caller Name: KEVIN MCCARDLE
Caller Agency: CON EDISON
Caller Phone: (212) 580-6763
DEC Investigator: JHOCONNE
Contact for more spill info: CALLER
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/22/2002		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

stain of unk oil on blue stone coned#143506

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "FOLEY"

5/20/04: PURS 62 not located at this facility - possible wrong facility identified.

6/21/04: This unit possibly at Rainey or Gold St PURS. Con Ed Pat Keelan to follow up.

10/7/04 - not a valid spill - no unit 62 at the station.

3/26/07 - e-mail to Con Ed Chad Pfeiffer requesting validation of above statement and clarification of spill report. (JHO)

4/4/07: Con Ed Pfeiffer confirms that there is an open spill for each of the units at the 132nd St PURS and one for each of the fdr 62 units at Rainey and Gold St. This is an erroneous report. See eDocs for e-mail from Pfeiffer. Close out. (JHO)

Map Identification Number 120 **VAULT 5606** **Spill Number: 0212015** **Close Date: 03/06/2003**
554 RIVERSIDE DR MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P4)
Approximate distance from property: 1800 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: Affected Persons
Caller Name: PETE MCGUIRE
DEC Investigator: AERODRIG

Spiller: UNKNOWN - UNKNOWN
Notifier Name:
Caller Agency: CON EDISON
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone: (212) 580-6763
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
03/06/2003		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	60.00	GALLONS	0.00	GALLONS	SEWER

Caller Remarks:

con ed # ?? unk type oil has been found in the vault oil seems to be seeping thru the walls of the vault prior to spill be located a sump was being used to remove water from vault so some material may have been pumped to the sewer more investigation is underway as to the source

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "RODRIGUEZ"
3RD PARTY SPILL, REFERRED TO J. KRIMGOLD FOR FOLLOWUP. 3/6/2003 ARS.

VOUGHT IS HANDLING INCIDENT UNDER SPILL 0212031. ARS 3/6/2003.

Map Identification Number 121 **SOUTHWEST CORNER** **Spill Number: 9614617** **Close Date: 04/24/1998**
135TH ST & BROADWAY MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1819 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: W 135TH ST / BROADWAY
Revised zip code: 10031

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Other
Caller Name: CLARINDA WEST
DEC Investigator: MCTIBBE

Spiller: DOM DECARLO - NYNEX
Notifier Name: NYNEX
Caller Agency: MILRO ASSOC
Contact for more spill info: DOM DECARLO

Spiller Phone: (212) 864-0170
Notifier Phone:
Caller Phone: (516) 379-1570
Contact Person Phone: (212) 864-0170

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
03/19/1997		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SEWER

Caller Remarks:

CALLER IS CALLING BECAUSE THEY WERE SENT TO CLEAN OUY A MANHOLE FOR NYNEX

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
CLEANED BY nYNEX.

Map Identification Number 122 **UNK** **Spill Number: 9409466** **Close Date: 10/03/1997**
215 W.127TH ST. MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P6)
Approximate distance from property: 1824 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 10027

Source of Spill: UNKNOWN | Spiller: UNK | Spiller Phone:
Notifier Type: Other | Notifier Name: | Notifier Phone:
Caller Name: | Caller Agency: | Caller Phone:
DEC Investigator: UNASSIGNED | Contact for more spill info: | Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/15/1994		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN MATERIAL	OTHER	0	POUNDS	0	POUNDS	AIR

Caller Remarks: NO REMARKS GIVEN FOR THIS SPILL

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "XX"
SPILL CLOSED DUE TO INSUFFICIENT DATA.

Map Identification Number 123 **MANHATTANVILLE BUS DEPOT** **Spill Number: 9910510** **Close Date: 04/05/2001**
666 WEST 132ND ST MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1825 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN | Spiller: HOWIE MAPZA - NEW YORK CITY TRANSIT | Spiller Phone: (718) 243-4581
Notifier Type: Missing Code in Old Data - Must be fixed | Notifier Name: W REILLY | Notifier Phone: (718) 927-7777
Caller Name: HOWARD MATZA | Caller Agency: NYC TRANSIT | Caller Phone: (718) 243-4274
DEC Investigator: MCTIBBE | Contact for more spill info: CALLER | Contact Person Phone: (718) 243-4274

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/03/1999		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	2000	GALLONS	0	GALLONS	SEWER

Caller Remarks:

2000 GAL OF DIESEL SPILLED FROM SYSTEM - SOME IN PUMP ROOM SOME IN SEWER - NYC HAZMAT RESPONDED - CLEANUP ARRANGEMENTS MADE - FLOW STOPPED. NYC HAZMAT ALSO CALLED IN SPILL AND REPORTED APPROX 2000-2400 GALLONS ALSO SPILLED.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
SPILL FROM DAMAGED/VANDALIZED SEAL IN PUMP ROOM. OIL CONTAINED IN DRAINAGE SYTEM OIL/WATER SEPARATOR (OWS). PUMP ROOM CLEANED AND OWS VACCED. SENSOR INSTALLED IN PUMP ROOM AND SUMP PITS THAT WILL ALARM SUPERVISOR OF A LEAK.

Map Identification Number 124 **MANHATTANVILLE DEPOT** **Spill Number: 9900473** **Close Date: 10/14/2004**
666 WEST 132ND ST MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1825 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Affected Persons
Caller Name: RAMON PAEZ
DEC Investigator: MCTIBBE

Spiller: UNKNOWN - UNKNOWN
Notifier Name: COMMAND CENTER
Caller Agency: NEW YORK CITY TRANSIT
Contact for more spill info: RAMON PAEZ

Spiller Phone:
Notifier Phone: (718) 243-4581
Caller Phone: (718) 243-4581
Contact Person Phone: (718) 243-4581

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/13/1999		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	85.00	GALLONS	85.00	GALLONS	SOIL

Caller Remarks:

SPILL AT THIS TIME IS STILL UNDER INVESTIGATION-HAS BEEN CLEANED UP

AND HAS NOT AFFECTED ANY WATERWAYS OR SEWERS

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"

10/14/04: As per a 10/13/04 NYCT e-mail, neither OSS nor DOB have any further information pertaining to this spill. Appears to be that same spill event as 9900720.

Map Identification Number 125 **MANHATTANVILLE BUS DEPOT** **Spill Number: 9604882** **Close Date: 07/31/1996**
666 WEST 133RD ST NEW YORK, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1825 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	ERIC JONES - NYC TRANSIT		Spiller Phone: (718) 243-4581
Notifier Type:	Responsible Party	Notifier Name:	MICHAEL DEWAR		Notifier Phone: (212) 939-7972
Caller Name:	ERIC JONES	Caller Agency:	NYC TRANSIT		Caller Phone: (718) 243-4581
DEC Investigator:	ADZHITOM	Contact for more spill info:			Contact Person Phone: (212) 939-7972

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/15/1996		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

CONATINED IN PUMP ROOM - UNK CAUSE AT THIS TIME

1 GALLON OF PRODUCT IN ABOUT 200 GALLONS OF WATER.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ZHITOMIRSKY"

MOSTLY WATER, ERIC F. WILL GIVE ME AN UPDATE - WATER WAS COMING FROM THE PERFORATION IN THE WALL OF THE PUMP ROOM - SMALL AMOUNT OF OIL WAS IN THE SUMP - ONLY SHEEN OF OIL IN THE WATER - 07/31/96, ERIC JONES

Map Identification Number 126 **MANHATTANVILLE DEPOT** **Spill Number: 9600202** **Close Date: 12/27/2000**
666 WEST 133RD STREET MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1825 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: 666 W 133RD ST
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Responsible Party
Caller Name: ERIC JONES
DEC Investigator: MCTIBBE

Spiller: NYCTA
Notifier Name: ERIC FELDMAN
Caller Agency: NYC TRANSIT
Contact for more spill info: ERIC JONES

Spiller Phone:
Notifier Phone: (718) 243-5481
Caller Phone: (718) 243-5481
Contact Person Phone: (718) 243-4581

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/04/1996		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

nyc transit was excavating in area and found contaminated soil

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
transfered from Hale to Tibbe on 12/27/2000. refer to 95-06400.

Map Identification Number 127 **MANHATTANVILLE DEPOT** **Spill Number: 9511248** **Close Date: 12/27/2000**
666 WEST 133RD STREET MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1825 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: 666 WEST 133RD ST
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Responsible Party
Caller Name: ERIC JONES
DEC Investigator: MCTIBBE

Spiller: MR SULLIVAN - NYCTA
Notifier Name: MR SULLIVAN
Caller Agency: NYC TRANSIT
Contact for more spill info: MR SULLIVAN

Spiller Phone: (212) 939-7996
Notifier Phone: (212) 939-7996
Caller Phone: (718) 243-4581
Contact Person Phone: (212) 939-7996

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/06/1995		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	8800	GALLONS	4000	GALLONS	SEWER

Caller Remarks:

diesel escaped from filtration system due to an unknown cause and

got into the sewer and oil water seperator / 4000 gallons was trapped in oil water seperator and 4800 gallons is unaccounted for

D.E.P. called at 9:15 am to report spill

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
4800 gallons leaked from the pump room filtration system into the oil/water seporator. 800 gallons of the 4800 escaped to the sanitary sewer. Oil/water seporator was emptied, no soil or grounbdwater contamination. All product contained in seporator or reached treatment plant.

Map Identification Number 128 **MANHATTANVILLE BUS DEPOT** **Spill Number: 0409747** **Close Date: 03/09/2005**
666 WEST 133RD STREET MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1825 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: 666 WEST 133RD ST.
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Responsible Party
Caller Name: CAMAJ,PASHKO
DEC Investigator: MCTIBBE

Spiller: CAMAJ,PASHKO - MANHATTANVILLE BUS DEPOT
Notifier Name: CAMAJ,PASHKO
Caller Agency: NY CITY TRANSIT
Contact for more spill info: CAMAJ,PASHKO

Spiller Phone: (516) 902-0588
Notifier Phone: (718) 243-4581
Caller Phone: (718) 243-4581
Contact Person Phone: (516) 902-0588

Spill Class: POSSIBLE REL WITH MIN POTENTIAL FOR FIRE OR HAZARD (OR KNOWN REL W/ NO DAMAGE);NO DEC RESP;WILLING RP;CORR ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/01/2004		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
ANTIFREEZE	OTHER	60.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

Found in sump. investigating.

DEC Investigator Remarks:

03/09/05: As per an e-mail from NYCT on 3/7/05, "As per our conversation the following is a brief explanation of why the anti-freeze sump had product in it. The vendor was delivering Anti-Freeze and after the delivery an alarm sounded for the sump. After inspecting the cause of this, I found that the OPW overfill prevention valve clapper was broken in the closed position, this prevented the product from entering the tank. The pressure from the beginning of filling blew the loose cap from the top of the stick / fill riser causing the product to fill the sump. The product in the sump dropped and became even with the stick / fill riser because the small drain on the clapper for the overfill let the anti-freeze drop to a level at the top of the stick riser. This stick / fill riser has a duel purpose, one for sticking the tank and the other to house the OPW overfill device. A new OPW overfill device was installed and is operational. This tank was not "overfilled", it was a defect in the OPW overfill prevention valve."

Map Identification Number 129 **MANHATTANVILLE DEPOT -NYCT** **Spill Number: 0405766** **Close Date: 06/30/2005**
133RD ST. MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1825 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: 666 W 133RD ST
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL VEHICLE
Notifier Type: Responsible Party
Caller Name: CLAIRE SANNON
DEC Investigator: MCTIBBE

Spiller: CLAIRE SANNON - MANHATTANVILLE DEPOT
Notifier Name: ANDY GENUSIS
Caller Agency: NYC TRANSIT
Contact for more spill info: CLAIRE SANNON

Spiller Phone: (718) 243-4581
Notifier Phone: (718) 243-4581
Caller Phone: (718) 243-4581
Contact Person Phone: (718) 243-4581

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/26/2004		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	10.00	GALLONS	10.00	GALLONS	SOIL

Caller Remarks:

Material was found in a discharge sump. All material is contained to the sump. Location is between Broadway and Riverside Dr.
Cause is under investigation and the tank is out of service. The contractor on site is doing the clean up.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"

06-30-05: 10 gallons of diesel discovered in the discharge sump of tank #5. A contractor was up grading the piping system.
Product leaked from the line when the piping was disconnected. Product removed from sump. After pipng upgrade was complete, all of the tanks, piping and sumps were tested prior to putting them back in service. They all passed.

Map Identification Number 130 **MANHATTANVILLE BUS DEPOT** **Spill Number: 0313077** **Close Date: 03/30/2004**
666 WEST 133RD STREET MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1825 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: 666 WEST 133RD ST.
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Responsible Party
Caller Name: PASHKO CAMAJ
DEC Investigator: MCTIBBE

Spiller: PASHKO CAMAJ - MANHATTANVILLE BUS DEPOT
Notifier Name: SANDY JANUSAS
Caller Agency: NYC TRANSIT
Contact for more spill info: PASHKO CAMAJ

Spiller Phone: (718) 243-4581
Notifier Phone: (718) 243-4581
Caller Phone: (718) 243-4581
Contact Person Phone: (718) 243-4581

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/27/2004		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
MOTOR OIL	PETROLEUM	2.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

Material was found in a fill and discharge sump for tank #2. Looks like sloppy filling of product into tank. Being investigated and process of cleanup is happening as we speak The "sump" is made of fiberglass.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
Oil film in sump, most likely from piping work that had recently been performed. Water was entering the sump through the secondary vent piping, which is outside the building and not sealed. Tank currently out of service while being converted to a waste oil tank. Secondary will be corrected during the conversion process.

Map Identification Number 131 **MANHATTANVILLE BUS DEPOT** **Spill Number: 0210921** **Close Date: 03/30/2004**
666 WEST 133RD STREET MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1825 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: 666 W 133RD ST
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN | Spiller: CALLER - NYC TRANSIT | Spiller Phone: (718) 243-4581
Notifier Type: Responsible Party | Notifier Name: PASHKO CAMAJ | Notifier Phone: (718) 243-4851
Caller Name: PASHKO CAMAJ | Caller Agency: NEW YORK CITY TRANSIT AUT | Caller Phone: (718) 243-4581
DEC Investigator: MCTIBBE | Contact for more spill info: PASHKO CAMAJ | Contact Person Phone: (718) 243-4581

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/31/2003		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	5.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

leak from a tank - unk what has caused it - clean up is in progress

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
Failed fill piping on diesel tanks 3&4 cause spill. No impact to the environment as confirmed by secondary and sump testing.
Spill cleaned by NYCT. All fill piping is being replace3d at this depot, starting 03/29/04.

Map Identification Number 132 **RIVERSIDE PARK COMPLEX** **Spill Number: 9611829** **Close Date: 12/30/1996**
3333 BROADWAY MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 1877 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER | Spiller: SAME - SAME | Spiller Phone:
Notifier Type: Other | Notifier Name: AL MEDINA | Notifier Phone:
Caller Name: JANET MATOS | Caller Agency: CASTLE OIL | Caller Phone: (718) 579-3413
DEC Investigator: LUCE | Contact for more spill info: ALEX | Contact Person Phone: (212) 862-4545

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/30/1996		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	6.00	GALLONS	6.00	GALLONS	SOIL

Caller Remarks:

BACK PRESSURE FROM THE TANK CAUSED OIL TO COME BACK OUT AFTER THE

TANK WAS FILLED.THEY CLAIM IT WAS TANK PROBLEMS

SPILL IS GOING TO BE CLEANED UP

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 133 **3333 BROADWAY** **Spill Number: 9511604** **Close Date: 12/13/1995**
3333 BROADWAY MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 1877 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	UNKNOWN	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Citizen	Notifier Name:	ANONYMOUS	Notifier Phone:	
Caller Name:	ANONYMOUS	Caller Agency:		Caller Phone:	
DEC Investigator:	TOMASELLO	Contact for more spill info:	UNKNOWN	Contact Person Phone:	

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/13/1995		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	150.00	GALLONS	0.00	GALLONS	SEWER

Caller Remarks:

caller stated that it appeared that the residence was getting a delivery and oil was spilled. it is unknown why and he feels
that they are doing very little to clean it up. oil is flowing into sewer

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 134 **ON STREET** **Spill Number: 0513563** **Close Date: 05/19/2006**
3333 BROADWAY NEW YORK, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 1877 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Other
Caller Name: MILLIE LOPEZ
DEC Investigator: rvketani

Spiller: ROB HILL - ON STREET
Notifier Name: MILLIE LOPEZ
Caller Agency: CASTLE OIL
Contact for more spill info: ROB HILL

Spiller Phone: (718) 579-3410
Notifier Phone: (718) 579-3413
Caller Phone: (718) 579-3413
Contact Person Phone: (718) 579-3410

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/23/2006		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	75.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

WHILE DELIVERING OIL A CAR RAN OVER THE HOSE CAUSING SPILL, SPILL CREW CLEANING UP AND EASTMAN ENROUTE

DEC Investigator Remarks:

Broadway & 135th St
During delivery a van drove over the hose and tore a hole in the hose.
Heated #6 oil spilled 150 ft west along curb.

Eastmond cleaned the street & sidewalk. There were 3 cars parked that could not be moved. Eastmond used a power washer to get

as much from under these cars as possible.

Castle Oil, Rob Hill, (718) 579-3410

3/1/06 - Raphael Ketani. I spoke to Mr. Hill. He said that 60% of the oil stayed at the fill port area. He said the fill port area is a mess and he is getting A.L. Eastmond & Son to come over and steam clean the area. He said that the rest of the oil ran about 8 cars down the block, but no sewers were affected.

3/2/06 - Raphael Ketani. I visited the site today. There is a black spot 8' X 15' on the sidewalk where fill ports for tanks #1 and #2 are. It was not clear how much staining was still in the street because of the slush all over and the parked cars. There was only a slight perceptible odor. Only a very thin stream of sheen was seen flowing downhill in the street. I called Mr. Hill and told him that the site needs to be cleaned much better. He said that he had called Eastmond several times to get them out to the site. Mr. Hill said that his crew will go out tomorrow to start the cleaning and then he will have Eastmond's crew power wash the sidewalk and elsewhere.

3/15/06 - Raphael Ketani. I called Mr. Hill. He said that he sent one of his crew out there after Eastmond had come out a second time to clean the sidewalk. He said that his crew member reported that the oil hasn't been cleaned up well. Mr. Hill said that he will steam clean the site this saturday.

3/22/06 - Raphael Ketani. I spoke to Rene (718) 378-3000. He said they couldn't do the power washing last saturday as the cars were parked against the curb. He said that this friday they will all be gone and his crew will clean the sidewalk.

5/19/06 - Raphael Ketani. I am closing the case administratively as this was a very small spill and there was nothing in the street and no loose oil on the sidewalk when I made my inspection on 3/2/06.

Map Identification Number 135 **663 WEST 125TH ST** **Spill Number: 9403502** **Close Date: 06/06/1995**
663 WEST 125TH STREET NEW YORK, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 1877 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	GASOLINE STATION	Spiller:	GAS STATION	Spiller Phone:	
Notifier Type:	Affected Persons	Notifier Name:		Notifier Phone:	
Caller Name:	JOHN SHVARTSMAN	Caller Agency:	TRIA REAL ESTATE	Caller Phone:	(718) 858-6078
DEC Investigator:	O'DOWD	Contact for more spill info:		Contact Person Phone:	

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/11/1994	06/06/1995	UNKNOWN	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	-1.00	UNKNOWN	0.00	UNKNOWN	SOIL

Caller Remarks:

SUSPECT TANK OVERFILL RESULT FROM DISTRIB. DELIV.-NO CLEAN-UP YET-CALLER (LANLORD) IS CONCERNED THAT STATION OPER. (TENANT) WILL DO NOTHING TO CLEAN SPILL.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 136 **BROADWAY SOUTH** **Spill Number: 0011789** **Close Date: 07/02/2004**
122ND ST/LASALLE ST MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (5)
Approximate distance from property: 1897 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: BROADWAY / 122ND ST LA SALLE ST
Revised zip code: 10027

Source of Spill: UNKNOWN
Notifier Type: Other
Caller Name: PETE MAGUIRE
DEC Investigator: JHOCONNE

Spiller: UNKNOWN
Notifier Name: MS MCQUEEN
Caller Agency: CON ED
Contact for more spill info: PETE MAGUIRE

Spiller Phone:
Notifier Phone:
Caller Phone: (212) 580-6765
Contact Person Phone: (212) 580-6765

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/01/2001		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
PCB OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

during excavation 1 cubic yard of contaminated soil found - spill being treated as 50-499 ppm pcb and will be cleaned up per that protocol - con ed 135334

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"

2/1/01: 1 cubic yard of contaminated soil. Cause of spill is unknown. No sewers or waterways affected. No injuries. No private property affected. No smoke or fire. (MCO)

2/6/01 Met at site with John Tranchina. Directed him to collect samples for TPH df and benzene. Historical contamination related to feeder M51/52. (KMF)

4/11/03: APPENDIX B SITE NO. 69. SEE SPILL NO. 0010293 FOR ADDITIONAL INFORMATION.

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e2mis no. 135-334:

On February 01, 2001, P. Canty, 77613 of Transmission Operations reported while doing excavation for feeders M51 & M52 he discovered approx. 1 cu yard of contaminated soil. Clean Harbors will be called to remove the contaminated soil. No samples will be taken, treating waste as less that 50ppm, using information from prior reports in same area.

UPDATE
Per P. Canty, Engr. 77613 on February 2, 2001: Clean Harbors started cleanup and a strong odor was noticed. Cleanup was stopped and Chem Lab will be called to take samples. Cleanup will continue pending test results.

Samples were taken in the area of the contaminated soil on February 6, 2001, by a representative from Jacques Whitford. The Jacques Whitford representative noted that there were small (quarter sized) globules of petroleum floating on top of pooled water in the excavation. The contaminants were removed by oil-absorbent pads. Sample locations were selected by Kerry Foley from the NYSDEC, who was on site. Samples were analyzed by Ecotest Laboratories, for TPH dielectric fluid (by method 8100), TCLP benzene, and VOCs (LSN 01-01279). The results are presented in the following table:

Location	TPH (ppm)	Benzene (ppb)	VOC (ppm)
North end, East Wall	4400	<5	NS
South end, East Wall	4100	<5	ND
South end Bottom	1200	<5	ND
North end, West Wall	59	<5	ND
South end, West Wall	390	<5	ND
North end, Bottom	590	<5	ND
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Note: The wall samples were taken about a foot off the bottom of the excavation.

Map Identification Number 137 **269 W 133RD STREET** **Spill Number: 9212040** **Close Date: 01/21/1993**
269 W. 133RD STREET MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 1918 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Affected Persons
Caller Name: DOROTHY ALLEN
DEC Investigator: MCTIBBE

Spiller: TARRWNCE DRAFT
Notifier Name:
Caller Agency: HOMEOWNER
Contact for more spill info:

Spiller Phone: (212) 281-0250
Notifier Phone:
Caller Phone: (212) 569-9695
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/01/1992	01/21/1993	UNKNOWN	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	-1.00	UNKNOWN	0.00	UNKNOWN	AIR

Caller Remarks:

STRING FUME IN LIVING ROOM, CON ED AND FD HAVE BEEN ON SITE, NO PROGRESS, SUPERINTENDENT NOT COOOPERATING, ON-GOING PROBLEM

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
10/10/95: This is additional information about material spilled from the translation of the old spill file: FUME.

Map Identification Number 138 **Spill Number: 0101178** **Close Date: 06/01/2001**

8TH AVE & W 125TH ST
MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1987 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: 8TH AVE / W 125TH ST
Revised zip code: UNKNOWN

Source of Spill: UNKNOWN
Notifier Type: Health Department
Caller Name: TASHA GERENA
DEC Investigator: SIGONA

Spiller: UNKNOWN
Notifier Name: NYPD
Caller Agency: DEP
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone: (718) 595-6777
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
05/01/2001		UNKNOWN	YES	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN MATERIAL	OTHER	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

caller was unsure of what spilled. also was not sure if it leaked into any sewers. no plans for cleanup yet.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 139 **515 W 122ND ST** **Spill Number: 9610522** **Close Date: 11/22/1996**

515 W 122ND ST
MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 2001 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: TANK TRUCK
Notifier Type: Responsible Party
Caller Name: CHARLIE BOETTIGER
DEC Investigator: WESTERLIND

Spiller: CHARLIE - MYSTIC OIL
Notifier Name: RALPH DELEON
Caller Agency: MYSTIC OIL
Contact for more spill info: CHARLIE BOETTIGER

Spiller Phone:
Notifier Phone:
Caller Phone: (718) 932-9075
Contact Person Phone: (718) 932-9075

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/22/1996		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	10.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

DRIVER WAS PARKED ON AN INCLINE AND AS HE WAS PUMPING THE PRODUCT SHIFTED TO THE REAR COMPARTMENT - SPILL CREW ENROUTE

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 140 **MANHOLE#M47173** **Spill Number: 0611095** **Close Date: 05/23/2007**
W. 125TH / 12TH AVE. MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2039 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: W 125TH ST / 12TH AVE
Revised zip code: 10027

Source of Spill: UNKNOWN Spiller: UNKNOWN NAME - UNKNOWN THIRD PARTY SPILL Spiller Phone:
Notifier Type: Affected Persons Notifier Name: Notifier Phone:
Caller Name: Caller Agency: Caller Phone:
DEC Investigator: JHOCONNE Contact for more spill info: ERT DESK‘ MIKE DAUGHTERY Contact Person Phone: (212) 580-8383

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/03/2007		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	50.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

50 gal. of material on 200 gal. of water. Third Party spill just came off of 72hr. clock because of quantity. ConEd#203920 Clean up will take some time because ConEd is using a private contractor. No to the five questions.

DEC Investigator Remarks:

05/23/07 - See e-docs for Con Ed report detailing cleanup and closure.

emis no. 203920

1/5/07, 9:30 AM - spoke with Anthony Drummings, Manhattan Electric Ops EH&S. He was at location yesterday with contractor, and they pumped out all free liquid. there is still thick oil on walls. they can't complete cleanup until feeder is made safe. He expects to return tomorrow to power wash and soda balst the manhole. He stated that the material appears to be no. 6 oil even though the oil ID returned as "light fuel oil". The manhole is located in front of a warehouse - he looked for oil fill line but couldn't see any due to pallets on sidewalk. He will get me the address of the building so i can check PBS database. Also, he stated that they had recently cleaned out two service boxes in the immediate vicinity that also had fuel oil - he will check plates to see if they are connected to this manhole. (JHO)

1-8-07. see 0611137. This is a report of 500 gallons of what seems to be No.6 FO in a nearby manhole. conEd report 203955. Breen

2/21/07: site visit conducted with Sarah Carlson (DEC Pet. Rem.) nad Anthony Drummings (Con Ed Man EH&S). Oil was found in 2 manholes, both located downgradient of Columbia University spill (see spill no. 0212031). Oil may be residual from spill reported in 2002. Conduits connect these manholes to 2 vaults/manholes up the hill next to the fill line for CU's tanks. The fill line was found to be leaking, and was excavated and repaired. TRC (consultant for CU) installed ORC injection field for remediation. S. Carlson to follow up with CU, TRC. (JHO)

Map Identification Number 141 **MANHOLE 3140** **Spill Number: 9900174** **Close Date: 05/13/1999**
WEST 136TH ST & BROADWAY MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2047 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: WEST 136TH ST / BROADWAY
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: Affected Persons
Caller Name: STEVE ROMERO
DEC Investigator: CAENGELH

Spiller: UNKNOWN
Notifier Name:
Caller Agency: CON EDISON
Contact for more spill info: CALLER

Spiller Phone:
Notifier Phone:
Caller Phone: (212) 580-6763
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/06/1999		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	5.00	GALLONS	0.00	GALLONS	SEWER

Caller Remarks:

5 GALLONS OIL ON 300 GALLONS WATER. CON ED # 124066.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ENGELHARDT"
Con ed e2mis notes:

Found spill of 5 gallons of unknown oil mixed with 200 gallons of water. The only oil equipment in the structure is a transformer which will be inspected once the oil and water has been removed from the structure.

AROCLOR 1260, pcb- 9ppm

Tanker removed 250 gallons of oil and water mix completed at 11:15. I&A crew washed structure with Bio Gen 760 removed two bags of solid debris. Unit pressure tested and no leaks found.

Map Identification Number 142 **EXCAVATION** **Spill Number: 0011576** **Close Date: 07/02/2004**
BROADWAY/123RD ST MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2048 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: BROADWAY / W 123RD ST
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Responsible Party
Caller Name: RICHARD ROACH
DEC Investigator: OKWUOHA

Spiller: CON EDISON
Notifier Name: EVA MCQUEEN
Caller Agency: CONED
Contact for more spill info: RICHARD ROACH

Spiller Phone: (212) 580-6763
Notifier Phone:
Caller Phone: (212) 580-6766
Contact Person Phone: (212) 580-6763

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/26/2001		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIELECTRIC FLUID	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

3 to 4 yards of soil found to have cont. in it...unk cause at this time.. ref # 135241...samples taken clean up pending.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 143 **SERVICE 47174** **Spill Number: 0008215** **Close Date: 04/03/2001**
W 130TH ST /12TH AVE NEW YORK CITY, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2049 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: Affected Persons
Caller Name: STEVE ROMARO
DEC Investigator: KMFOLEY
Spiller: UNKNOWN - UNKNOWN
Notifier Name: MR CURTIS
Caller Agency: CON ED
Contact for more spill info: CALLER
Spiller Phone:
Notifier Phone: (212) 338-3352
Caller Phone: (212) 580-6763
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/13/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

CALLER REPORTING A SPILL OF UNK MATERIAL CONED#133915 SAMPLES TAKEN CLEAN UP PENDING LAB RESULTS. NO CALLBACK NECESSARY

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "FOLEY"
e2mis Notes:

1 quart of unknown oil and approx 50 gal water in S-47174. Sample taken for PCBs. PCB results returned 0ppm. Analysis indicates the sample is similar to lubricating oil. Oil and water removed via tanker under 50ppm. Used high pressure hose to double wash floor adn walls with bio-genesis solution (slix). Service box was then rinsed by environment operations. Quantity removed from site and type of container's used: generated two palstic bags of non-hazardous waste. Transported to E 110th St Yard, Manhattan. Accumulation 189gal oil and water. KMF 4/3/01.

Map Identification Number 144 **PS #192** **Spill Number: 9810574** **Close Date: 11/24/1998**
500 WEST 138TH ST MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 2062 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Other
Caller Name: ISSAAC MUNGRA
DEC Investigator: MCTIBBE

Spiller: FRANK CARDELLO - PS #192
Notifier Name: ISSAAC MUNGRA
Caller Agency: PETROLEUM TANK CLEANERS
Contact for more spill info: FRANK CARDELLO

Spiller Phone: (718) 391-6832
Notifier Phone: (718) 624-4842
Caller Phone: (718) 624-4842
Contact Person Phone: (718) 391-6832

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/20/1998		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

SUMP PIT HAD OIL AND WATER MIXTURE WHICH WAS PUMPED OUT-NOW IT

CONTINUES TO SEEP BACK IN.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
DUPLICATE CALL FOR AN ON GOING REMEDIATION SITE (TOMASELLO).

Map Identification Number 145 **PUBLIC SCHOOL 24** **Spill Number: 9515727** **Close Date: 03/17/2003**
500 WEST 138TH ST MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 2062 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Responsible Party
Caller Name: DAVID YUDELSON
DEC Investigator: TOMASELLO

Spiller: MR YUDELSON - PUBLIC SCHOOL 24
Notifier Name: DAVID YUDELSON
Caller Agency: SIVE PAGE RIESEL
Contact for more spill info: MR YUDELSON

Spiller Phone: (212) 421-2150
Notifier Phone: (212) 421-2150
Caller Phone: (212) 421-2150
Contact Person Phone: (212) 421-2150

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
03/07/1996		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

OIL IN SUMP PIT IN CELLAR OF SCHOOL

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 146 **MANHOLE #58711** **Spill Number: 0513884** **Close Date: 04/17/2006**
WEST 123 ST & MANHATTAN AVE MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2075 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: W 123RD ST / MANHATTAN AVE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: Responsible Party
Caller Name: TOM ENRIGHT
DEC Investigator: GDBREEN

Spiller:
Notifier Name: TONYA HAYNES
Caller Agency: CON EDISON
Contact for more spill info:

Spiller Phone:
Notifier Phone: (212) 780-3756
Caller Phone: (212) 580-6763
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
03/03/2006		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIELECTRIC FLUID	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

5 oz spilled. No to the 5 questions. Ref #163175.

DEC Investigator Remarks:

04/17/06 - See e-docs for Con Ed report detailing cleanup and closure.

04/17/06 - See e-docs for Con Ed report detailing cleanup and closure.

163175. March 03, 2006. @ 12:00 Inspector P. Boyer 09630, Contruction Management. Discovered a stain on dirt, approx. 5 oz. of dielectric fluid in MH-58711, located at E/S Manhattan Av N/O 123 St. Mr. Boyer was on location to inspect structure for new ducts. He found a cut feeder, uncapped. Mr. Boyer saw a undergound crew working down the block and asked them to seal and cap the feeder, in which, they did. A red wagon runner is enroute to the location to bring Mr. Boyer a yellow tag and 2 jars. No fire/smoke involved. No sewer/waterways affected. No injuries related to the spill. Weather conditions didn't contribute to the spill. Source/cause; a uncapped feeder. Spill on: dirt. No private property affected. No standing water. No sewer connection. No cracks in structure.

March 04, 2006. On 03/03/06 about 16:00 when red wagon runner arrived on location with environmental tag and jars. Inspector, Bayer wasn't on locations. Runner didn't have a ladder with him to go down in the structure place environmental tag and to take lab samples.

Around 19:00 Flush Supv. Tracey Taylor arrived on locations with environmental tag and jars. He discovered a steel plate over the manhole. Next to the manhole is a excavation. T. Haynes 82326

Incident is taken off the 72-hour clock due to no access to structure. T. Haynes

Map Identification Number 147 **Spill Number: 9911952** **Close Date: 05/10/2004**

540 MANHATTAN AV MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 2166 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	PRIVATE DWELLING	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Responsible Party	Notifier Name:	GENE COWEN	Notifier Phone:	
Caller Name:	JOHN BERRICELA	Caller Agency:	T & S TRUCKING	Caller Phone:	(718) 499-2900
DEC Investigator:	RWAUSTIN	Contact for more spill info:	JOHN BERRICELA	Contact Person Phone:	(718) 499-2900

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/15/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	10.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

caller is not sure if spill cause is defective guage or hi company

was told wrong tank size - spill has been contained - clean up crew

enroute

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "AUSTIN"
2/7/00 - Saccacio - Spoke to Rocky Venuto of T&S and requested a letter stating that the spill was cleaned up.

5/10/04 - AUSTIN - MINOR SURF. SPILL - CLOSED - END

Map Identification Number 148 **APT BUILDING** **Spill Number: 9902506** **Close Date: 10/04/1999**
540 MANHATTAN AVE MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 2166 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Other
Caller Name: JANET
DEC Investigator: WOOLSEY

Spiller: JIMMY - SUPER - APT BUILDING AT
Notifier Name: AARRON BROOKS
Caller Agency: CASTLE OIL
Contact for more spill info: JIMMY - SUPER

Spiller Phone: (212) 865-0082
Notifier Phone:
Caller Phone: (718) 579-3413
Contact Person Phone: (212) 865-0082

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/04/1999		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	5.00	GALLONS	5.00	GALLONS	SOIL

Caller Remarks:

defective gauge caused an overfill - clean up crew sent and the spill was on concrete

DEC Investigator Remarks: DEC INVESTIGATOR REMARKS NOT AVAILABLE FOR THIS SPILL ACCORDING TO THE LAST UPDATE.

The following DEC Investigator Remarks were available prior to 1/1/2002:

SPOKE WITH JANET @ CASTLE 9:00AM, NO SEWERS OR DRAINS INVOLVED. SPEEDI-DRY BEING APPLIED. NO C/B REQUESTED SPILL CONTAINED ON CONCRETE.

Map Identification Number 149 **FORMER GAS STATION** **Spill Number: 9710405** **Close Date: 05/15/1998**
FREDERICK DOUGLASS BLVD MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2171 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: 8TH AVE / W 124TH ST
Revised zip code: UNKNOWN

Source of Spill: GASOLINE STATION | Spiller: UNKNOWN | Spiller Phone:
Notifier Type: Other | Notifier Name: GEORGE RUPP | Notifier Phone: (212) 736-9191
Caller Name: GEORGE RUPP | Caller Agency: B.E. & K. ENVIROMENTAL | Caller Phone: (212) 736-9191
DEC Investigator: TOMASELLO | Contact for more spill info: GEORGE RUPP | Contact Person Phone: (212) 736-9191

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/10/1997		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

BUSINESS IS ON THE CORNER OF W124TH ST. OLD GAS STATION HAD CONTAMINATED SOIL. TESTS SHOW POSITIVE FOR GASOLINE PRODUCTS. SOIL WILL BE STOCK PILED.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 150 **Spill Number: 9906936** **Close Date: 09/28/1999**

2276 12TH AV MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 2180 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL | Spiller: UNKNOWN | Spiller Phone:
Notifier Type: Affected Persons | Notifier Name: STEVEN SPIGGILO | Notifier Phone:
Caller Name: RON POLLICINO | Caller Agency: CON ED | Caller Phone: (212) 338-3255
DEC Investigator: COMENALE | Contact for more spill info: RON POLLICINO | Contact Person Phone: (212) 338-3255

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/10/1999		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
MERCURY	HAZARDOUS MATERIAL	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

unk amount spilled on con ed meter and on basement floor - area has been evacuated and ventilated - no clean up

DEC Investigator Remarks: DEC INVESTIGATOR REMARKS NOT AVAILABLE FOR THIS SPILL ACCORDING TO THE LAST UPDATE.

The following DEC Investigator Remarks were available prior to 1/1/2002:

Talked with Chris Haas of DEP HAZMAT
10/04/99 am
Chris indicated that there was less than a pound spilled.
He "wrote " Commisioner's orders to the owner to get the clean up completed.
Chris stopped back on Monday and the clean up was completed by
Trade Winds. He also has a copy of the manifest if needed.
Third party on Con Ed equipment.
10/05/99 CAE said to copy Sam(RCRA).

A third party mercury spill found on gas metere and floor of basement of 2276 12 Ave. plastic was placed over spill and door left open to ventilate same. Dep notified at 10:15. Amount unknown at this time and company personnel will not be allowed to enter. Cig and Ert were notified that the event involved history section will not be filled out due to the unknown amount. Chris hass from Dep on location 11:30

Due to third party spill no material will be filled out. The quantity is unknown. The ERT Shah is aware that no quantity will be associated with this report and tht the material history will not be filled out.

Map Identification Number 151 **509 WEST 121ST ST**
509 WEST 121ST ST

Spill Number: 9602034 **Close Date: 05/13/1996**
MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 2243 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL VEHICLE | Spiller: UNKNOWN - UNKNOWN | Spiller Phone:
Notifier Type: Local Agency | Notifier Name: MR POPE | Notifier Phone: (212) 678-3333
Caller Name: MORALES | Caller Agency: NYC DEP | Caller Phone: (718) 595-6777
DEC Investigator: MCTIBBE | Contact for more spill info: | Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
05/11/1996		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN MATERIAL	OTHER	55.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

citizen noticed the 55 gal drum fall off of the truck - the truck never stopped to pickup - white milky liquid now leaking all over road

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
LEAKING WHITE LIQUID. HAZMAT AND IWCS NOTIFIED. SANITATION THERE. HANDLED BY DEP.

Map Identification Number 152 **138TH ST & AMSTERDAM AVE** **Spill Number: 9912152** **Close Date: 03/19/2002**
138TH ST & AMSTERDAM AVE MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2252 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: W 138 ST / AMSTERDAM AVE
Revised zip code: 10031

Source of Spill: UNKNOWN | Spiller: UNKNOWN | Spiller Phone:
Notifier Type: Responsible Party | Notifier Name: MR BOSZE | Notifier Phone: (212) 580-6763
Caller Name: TONY LOPEZ | Caller Agency: CON ED | Caller Phone: (212) 580-6763
DEC Investigator: JHOCONNE | Contact for more spill info: TONY LOPEZ | Contact Person Phone: (212) 580-6763

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/21/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

MANHOLE #24708 SPILL IS CONTAINED SAMPLE HAS BEEN TAKEN CLEAN UP WILL BE DONE PENDING RESULTS CON EDISON REF 129697

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"

Map Identification Number 153 **SPILL IS IN REGION 2** NOT IN REG 3 **Spill Number: 9611063** **Close Date: 01/22/1997**

MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2267 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: W 137TH ST / BROADWAY
Revised zip code: 10031

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Responsible Party
Caller Name: PAT MCHUGH
DEC Investigator: tdghiosa

Spiller: PAT MCHUGH - SPRINGBROOK SUB STATION
Notifier Name: ED OLSEN
Caller Agency: CON ED
Contact for more spill info:

Spiller Phone: (212) 580-6763
Notifier Phone: (212) 580-6769
Caller Phone: (212) 580-6763
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/07/1996		UNKNOWN	YES	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIELECTRIC FLUID	PETROLEUM	600.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

FEEDER M52 FROM SUBSTATION RUNNING LEAKING TO WEST 49TH SUBSTATION IN MANHATTEN IS LEAKING SO FAR 600 GALLONS HAVE BEEN LOST UNKNOWN

WHERE THE PRODUCT IS BEING LOST LOCATION OF SPILL 137TH ST AND

BROADWAY IN MATHATTEN CONTAINED TO A MANHOLE CLEAN UP WILL START

ASAP WITH A CONTRACTOR

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "GHIOSAY"
12/07/96 LOCATION OF SPILL IS 137th STREET, MANHATTAN (REGION 2)

01/22/97 SEE ABOVE.

Map Identification Number 154 **137TH ST & BROADWAY/CONED** **Spill Number: 8800418** **Close Date: 04/27/1995**
137TH ST AND BROADWAY NEW YORK CITY, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2267 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: W 137TH ST / BROADWAY
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN Spiller: CON ED Spiller Phone:
Notifier Type: Affected Persons Notifier Name: Notifier Phone:
Caller Name: TIM SLAUSON Caller Agency: NYC TRANSIT AUTHORITY Caller Phone: (718) 330-3998
DEC Investigator: MCTIBBE Contact for more spill info: Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/13/1988	04/27/1995	UNKNOWN	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
PCB OIL	PETROLEUM	-1.00	POUNDS	0.00	POUNDS	SEWER

Caller Remarks:

SAMPLED AND FOUND PCB'S (85PPM), CON ED FACILITY IN VICINITY, MAY BE POTENTIAL SOURCE.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
/ / : WAS SULLIVAN SPILL REASSIGNED 4/27/95 TO ENGELHARDT. Spill reassigned to Tibbe on 11/19/99.

Map Identification Number 155 **137TH STREET AND BROADWAY** **Spill Number: 8701857** **Close Date: 06/04/1987**
7TH AVENUE STOP / SUBWAY MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2267 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: W 137TH ST/BROADWAY
Revised zip code: UNKNOWN

Source of Spill: COMMERCIAL/INDUSTRIAL Spiller: N.Y.C. TRANSIT AUTHORITY Spiller Phone:
Notifier Type: Citizen Notifier Name: Notifier Phone:
Caller Name: Caller Agency: Caller Phone:
DEC Investigator: UNASSIGNED Contact for more spill info: Contact Person Phone:

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/04/1987	06/04/1987	UNKNOWN	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	-1.00	UNKNOWN	0.00	UNKNOWN	AIR

Caller Remarks:

WORK OPERATION AT THE SUBWAY STATION CAUSED CITIZEN IN THE STATION TOALMOST LOOSE CONSCIENCNESS. (FROM SMOKE)

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was " "
10/10/95: This is additional information about material spilled from the translation of the old spill file: SMOKE AND FUMES.

Map Identification Number 156 **MANHOLE #24608** **Spill Number: 9901013** **Close Date: 05/11/1999**
W 121ST & AMSTERDAM AV MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2275 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: W 121ST ST / AMSTERDAM AV
Revised zip code: 10027

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Affected Persons
Caller Name: FRANK MASSERI
DEC Investigator: JHOCONNE

Spiller: UNKNOWN
Notifier Name: MR CROW
Caller Agency: CON EDISON
Contact for more spill info: FRANK MASSERI

Spiller Phone:
Notifier Phone: (212) 580-6763
Caller Phone: (212) 580-6763
Contact Person Phone: (212) 580-6763

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/27/1999		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN MATERIAL	OTHER	4.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

UNKNOWN MATERIAL FOUND FLOATING ON APPROX 125 GALLONS OF WATER - SAMPLES HAVE BEEN TAKEN AND CLEAN UP WILL FOLLOW / CON-ED SPILL #124466

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
Con ed e2mis notes:

4 gallons of unknown fluid and 125 gallons of water in man hole. One sample taken for pcb and 2nd sample taken for ID. PLIC in structure. pcb<1.00ppm, oil id analysis, sample analysis indicates the presence of an oil similar to lube oil. Cleanup completed on 4-28-99 1300 hours. Removed 350 gallons oily water.

MH flushed.

1 plastic bag non hazardous waste.

Tag removed.

Map Identification Number 157 **MAN HOLE #24608** **Spill Number: 0302137** **Close Date: 02/10/2004**
W 121ST ST & AMSTERDAM AV MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2275 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: W 121ST ST / AMSTERDAM AV
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: Affected Persons
Caller Name: TOM MARCINEK
DEC Investigator: SKARAKHA

Spiller: UNKNOWN
Notifier Name: MR LEE
Caller Agency: CON EDISON
Contact for more spill info: TOM MARCINEK

Spiller Phone:
Notifier Phone: (212) 580-6763
Caller Phone: (212) 580-6763
Contact Person Phone: (212) 580-6763

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
05/29/2003		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

was on the 24hr program - taken off can't clean till after the 24hr

spill is on 100gals of water - ref #148519

DEC Investigator Remarks:

E2MIS 148519

5/29 @ 15:21

At 14:59 HRS Diaz # 19010 FOD reoported to me that while working on Feeder 2M35 in M-24608 he discovered approx 1 qt of an unknown oil atop 100 gallons of water. No sewer connection as per Conduit plate 51-D-3. The spill was on the Concrete structure floor. Source and the cause of the spill are unknown at this time. Two (2) samples for PCB and ID will be taken. There are no initial cleanup actions taken at this time.

5/29/03 20:59 Received lab results,

Lab Sequence Number: 03-04494-001

Insufficient amount of sample extracted to perform oil identification.

5/29/03 22:19 Received lab results,

Lab Sequence Number: 03-04495-001 TOTAL PCB 51 ppm

5/30/03 05:14 V. Centamore # 88743 Underground/cleanup supervisor called to report that the cleanup was completed at 04:15. An over 50 tanker removed 500 gallons of liquid frim the structure. The structure was double washed with pinicle water base cleaner & degreaser. Supervisor V. Centamore reported that the structure was visually inspected and there were no open or unsealed cable ends. The source is unknown.

Map Identification Number 158 **222 W.134 ST. MANHATTAN/#** **Spill Number: 8605811** **Close Date: 12/13/1986**
222 W. 134 ST. NEW YORK CITY, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 2278 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: 222 W. 134TH ST.
Revised zip code: NO CHANGE

Source of Spill:	INSTITUTIONAL, EDUC, GOV, OTHER	Spiller:	NYC BOARD OF EDUCATION	Spiller Phone:	
Notifier Type:	Fire Department	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	UNASSIGNED	Contact for more spill info:		Contact Person Phone:	

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/13/1986	12/13/1986	UNKNOWN	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	0	UNKNOWN	0	UNKNOWN	SOIL

Caller Remarks:

@

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was " "

Map Identification Number 159 **CHURCH** **Spill Number: 0605727** **Close Date: 08/23/2006**
219 WEST 132ND STREET NEW YORK, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 2316 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Other
Caller Name:
DEC Investigator: SMSANGES

Spiller: MILLIE LOPEZ - CASTLE OIL TERMINAL
Notifier Name:
Caller Agency:
Contact for more spill info: FATHER GREEN

Spiller Phone: (718) 579-3413
Notifier Phone:
Caller Phone:
Contact Person Phone: (212) 234-2848

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/17/2006		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	4.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

HOSE MALFUNCTION AND IS REPAIRED AND IN PORCESS OF CLEANING UP

DEC Investigator Remarks:

Sangesland spoke to Father Green - spill cleanup completed

Map Identification Number 160 **125TH ST. & HUDSON RIVER** **Spill Number: 9214231** **Close Date: 12/30/2002**
125TH ST. / HUDSON RIVER MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (5)
Approximate distance from property: 2318 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: W 125TH ST / HUDSON RIVER
Revised zip code: 10027

Source of Spill: UNKNOWN | Spiller: UNKNOWN | Spiller Phone:
Notifier Type: Federal Government | Notifier Name: | Notifier Phone:
Caller Name: P.O. MIKE WALKER | Caller Agency: U.S.C.G. | Caller Phone: (212) 668-7920
DEC Investigator: SJMILLER | Contact for more spill info: | Contact Person Phone:

Spill Class: POSSIBLE REL WITH MIN POTENTIAL FOR FIRE OR HAZARD (OR KNOWN REL W/ NO DAMAGE);NO DEC RESP;WILLING RP;CORR ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
03/26/1993		UNKNOWN	YES	NO

NO MATERIAL INFORMATION GIVEN FOR THIS SPILL

Caller Remarks:

NOTIFIER DISCOVERED SPILL AND REPORTED TO U.S.C.G.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MILLER"
10/10/95: This is additional information about material spilled from the translation of the old spill file: BLACK SUBSTANCE LIQ.

12/30/2002, MILLER CLOSED SPILL REPORT DUE TO LACK OF INFORMATION.

Map Identification Number 161 **SERVICE BOX # 51888** **Spill Number: 0610629** **Close Date: 01/17/2007**
WEST 125 STREET & MARGINAL ST MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2318 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: W 125TH ST / MARGINAL ST
Revised zip code: 10027

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER | Spiller: ERTS - CON EDISON SB #51888 | Spiller Phone: (212) 580-8383
Notifier Type: Other | Notifier Name: | Notifier Phone:
Caller Name: | Caller Agency: | Caller Phone:
DEC Investigator: GDBREEN | Contact for more spill info: ERTS | Contact Person Phone: (212) 580-8383

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/19/2006		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

1 QUART ON 40 GALONS OF WATER: COMING OFF DUE TO CREW LACK: CONED # 203772

DEC Investigator Remarks:

01/17/07 - See e-docs for Con Ed report detailing cleanup and closure.

203772. see eDocs; choose report with the later date.

Map Identification Number 162 **1 QT FUEL OIL IN SERVICE BOX #68518** **Spill Number: 0610626** **Close Date: 01/17/2007**
WEST 125 & MARGINAL STREETS MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2318 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: W 125TH ST / MARGINAL ST
Revised zip code: 10027

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Responsible Party
Caller Name:
DEC Investigator: GDBREEN

Spiller: ERTS - CON EDISON SB 68518
Notifier Name:
Caller Agency:
Contact for more spill info: ERTS

Spiller Phone: (212) 580-8383
Notifier Phone:
Caller Phone:
Contact Person Phone: (212) 580-8383

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/19/2006		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

1 QUART ON WALLS AND FLOOR OF SERVICE BOX AND AN ODOR OF FUEL OIL; TESTING AT THIS TIME: CONED # 203771

DEC Investigator Remarks:

01/17/07 - See e-docs for Con Ed report detailing cleanup and closure.

203771. see eDocs; choose report with the later date.

Map Identification Number 163 **OPEN EXCAVATION** **Spill Number: 9805378** **Close Date: 12/30/2005**
203 WEST 131ST ST MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 2343 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: Local Agency
Caller Name: STEVE ROMERO
DEC Investigator: JBTAMBE

Spiller: UNKNOWN
Notifier Name: LONSETH
Caller Agency: CON EDISON
Contact for more spill info: LONSETH

Spiller Phone:
Notifier Phone: (212) 580-6763
Caller Phone: (212) 580-6763
Contact Person Phone: (212) 338-4429

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved	Meets Cleanup Standards	Penalty Recommended
07/30/1998		UNKNOWN	2-606841	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL
UNKNOWN PETROLEUM	UNKNOWN	1.00	GALLONS	0.00	GALLONS	

Caller Remarks:

FOUND SPILL AS THEY WERE EXCAVATING FOR GAS SERVICE THEY WILL BE PUTTING CONTAMINATED SOIL IN CONTAINERS AND SHIPPING FOR ANALYSIS

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "M TIBBE"

CON ED E2MIS NOTES

12/23/05. Based on ConEd report, estimated spilled was one gallon of oil contamination in the soil. No follow-up from DEC at that time. ConEd received NYSDEC Closeout approval on 11/06/2002. See file.

Analysis report indicates the presence of an oily substance similar to a light fuel oil.

Third party spill - transferred to Tibbe.

Map Identification Number 164 **32 PRECINCT NYPD -DDC** **Spill Number: 9605198** **Close Date: 09/14/2000**
250 WEST 135TH STREET MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 2406 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Other
Caller Name: BRENDA HANNA
DEC Investigator: JMKRIMGO

Spiller: ANTHONY MARINO - NYC PD 32 PRECINCT
Notifier Name: BRENDA HANNA
Caller Agency: URS CONSULTANTS
Contact for more spill info: ANTHONY MARINO

Spiller Phone: (212) 669-8286
Notifier Phone: (716) 856-5636
Caller Phone: (716) 856-5636
Contact Person Phone: (212) 669-8286

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/01/1995		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

TANK CLOSURE BY TONE TANK AND PUMP IN OCTOBER OF 95 - RESULTS FROM SOIL SAMPLES SHOWED CONTAMINATION

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "KRIMGOLD"
CONTAMINATED SOIL WAS REMOVED. SEE ISRP.

Map Identification Number 165 **CARIB AUTO SHOP** **Spill Number: 9600641** **Close Date: 04/15/1996**
1590 AMSTERDAM AVE MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 2442 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Local Agency
Caller Name: SHANTEL
DEC Investigator: MCTIBBE

Spiller: CARIB AUTO SHOP
Notifier Name: ANONYMOUS
Caller Agency: NYC DEP
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone: (718) 595-6777
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/13/1996		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
MOTOR OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

repair shop dumping or letting oil flow out of the shop

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
DUMPING OR LETTING OIL FLOW INTO STREET. HANDLED BY DEP.

Map Identification Number 166 **IN FRONT OF** **Spill Number: 0410318** **Close Date: 12/27/2005**
1592 AMSTERDAM AVE. MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 2442 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	UNKNOWN	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Affected Persons	Notifier Name:	CHRIS SHIKARIVES	Notifier Phone:	(212) 580-6763
Caller Name:	CHRIS SHIKARIVES	Caller Agency:	CON ED	Caller Phone:	(212) 580-6763
DEC Investigator:	GDBREEN	Contact for more spill info:	ERT DESK	Contact Person Phone:	(212) 580-8383

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/16/2004		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
ANTIFREEZE	OTHER	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

2 PINTS OF MATERIAL ON A GALLON OF WATER. MATERIAL IS ALL CONTAINED IN A MANHOLE # 24716. SOURCE IS BELIEVED TO BE FROM AN AUTOBODY SHOP. CON ED #156621

DEC Investigator Remarks:

e2mis 156621

Sean Henihan #16850, #9, reported at 15:57 hrs. that he found approx. 2 pints of possible antifreeze and 1 gallon of water in service box SB24716 located in front 1592 Amsterdam Ave & West 138th Street. The source of the antifreeze is an Auto Body Shop adjacent to the service box and the cause is unknown. This is a possible third party spill. There was no fire involved, but there was smoke involved due to the burnouts in the structure. There was no sewer or waterway affected. There were no injuries related to the spill and no weather conditions contributed to the hazards of the spill. No private property was affected. There is no oil filled equipment in the structure, no sewer connection, no concrete sump, no visual water movement, no sump pump and no substantial cracks. There is standing water but no movement of the water. Liquid samples will be taken on a priority "E" basis from the spill by Sean Henihan #16850 for PCB and ID for antifeeze. No initial cleanup action was taken. Cleanup is pending lab results since a vendor may have to perform the cleanup.

Update: 12/16/04 @ 17:33 hrs. Sean Henihan #16850 reported at 17:30 hrs. that he installed Environmental Spill Tag #00663 and issued Chain of Custody #AA21643 for the samples.

Dec. 17. 2004
Lab Sequence Number: 04-10489-001 MATRIX: LIQUID GRAB Antifreeze Contamination Present

Update: 2/15/05
Manhattan Environmental Desk made arrangements with Allstate PowerVac to clean this structure on 2/3/05.

>>>>INSERT 2/15/05 >>>>>>>>
Eddie Cox #18594, Operating Supervisor UG North, reported at 09:30 hrs. on 2/3/05 that this service box is in front of an autoparts store. He stated that this is the possible source of the antifreeze.

Update: 2/15/05 @ 16:29 hrs.
Eddie Cox #18594, Oper. Supervisor UG North, reported at 11:38 hrs. on 2/3/05 that the cleanup was completed. No solids were removed. Approx. 100 gallons of water and antifreeze mixed was removed by the Vactor truck from Allstate PowerVac. The structure was double washed with Citrus Clean. The cleanup was performed by Allstate PowerVac. Environmental tag #00663 was removed. The source of the spill was identified as possibly the autoparts store in front of the service box. The cleanup was completed at 10:45 hours on 2/3/05.

Map Identification Number 167 **JUAN MARRERO** **Spill Number: 9900357** **Close Date: 01/13/2000**
2248 7TH AVENUE NEW YORK CITY, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 2471 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: 2248 ADAM C POWELL BLVD
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: Responsible Party
Caller Name: ROBERT CABASSA
DEC Investigator: O'DOWD

Spiller: ROBERT CABASSA - M & B TRUCKING
Notifier Name: FREDDY IRVING
Caller Agency: M & B TRUCKING
Contact for more spill info: JUAN MARRERRO

Spiller Phone: (718) 328-3275
Notifier Phone: (718) 328-3275
Caller Phone: (718) 328-3275
Contact Person Phone: (212) 234-7083

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/09/1999		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	5.00	GALLONS	5.00	GALLONS	SOIL

Caller Remarks:

Caller is getting information from his driver. The only data he is aware of at this point is that 5 gallons of fuel oil are spilled on the sidewalk. Cleanup is in progress.

DEC Investigator Remarks: DEC INVESTIGATOR REMARKS NOT AVAILABLE FOR THIS SPILL ACCORDING TO THE LAST UPDATE.

The following DEC Investigator Remarks were available prior to 1/1/2002:

4/13/99 AT 2:00PM SPOKE TO ROBERT. HE SAID THEY ARE ON AN AUTOMATIC 2 WEEK DELIVERY. ITS A 1,100 GAL TANK, WHEN THEY DELIVERED 150 GAL OIL CAME OUT OF THE VENT (5GL) AND SPILLED ONTO A GRATING AND INTO THE BASEMENT. SWEET CLAIMS (PETER McMANUS) AWARE OF SITE. CALLED TRI-STATE AND EASTMOND, NEITHER DID THE CLEAN UPS.

4/13/99 AT 2:10PM LEFT MESSAGE FOR PETER McMANUS/SWEET CLAIMS 212 226-4500.

4/14/99 AT 11:40AM SPOKE TO PETERMACHTEMES/SWEET CLAIMS/HUNTS POINT FUEL COMPANY DID THEIR OWN CLEANUP. HE WENT TO THE SITE FRIDAY AT 4:00PM AND TOOK PICTURES. SIDEWALK, NO STAINING, COULDN'T GAIN ACCESS TO BASEMENT BUT MS. KIM 212 283-7581, OWNER OF BLDG. WAS SATISFIED WITH THE CLEANUP. NO DRAINS IMPACTED.

4/14/99 AT 11:55AM SPOKE TO MS. KIM/OWNER/ SHE SAID THE CLEANUP WAS DONE THAT DAY. NO OIL GOT INTO BASEMENT, ONLY ON SIDEWALK. ALL CLEANED UP.

Map Identification Number 168 **302 WEST 122TH ST.** **Spill Number: 9312851** **Close Date: 02/11/2003**
302 WEST 122TH ST. MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 2481 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: 302 WEST 122ND ST
Revised zip code: 10027

Source of Spill: PRIVATE DWELLING
Notifier Type: Other
Caller Name: RICH COARG
DEC Investigator: SULLIVAN

Spiller: UNK
Notifier Name:
Caller Agency: GROUND WATER TECHNOLOGY
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone: (516) 472-4000
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/31/1994		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	-1.00	POUNDS	0.00	POUNDS	AIR

Caller Remarks:

GASOLINE ODOR IN THE BASEMENT - G.W. TECH. WILL INVESTIGATE TOMORROW. NO OTHER AGENCIES NOTIFIED.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 169 **APT BLDG** **Spill Number: 0510728** **Close Date: 04/20/2006**
35 HAMILTON PLACE MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 2490 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING
Notifier Type: Fire Department
Caller Name: DISP 183
DEC Investigator: SFRAHMAN

Spiller: UNKNOWN
Notifier Name: BATTALION CHIEF 18
Caller Agency: FDNY-MANHATTAN
Contact for more spill info:

Spiller Phone:
Notifier Phone: (212) 570-4300
Caller Phone: (212) 570-4300
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/14/2005		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	200.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

Caller reports a spill in the basement of the apt building. Unknown cause at this time. Caller had no further information.

DEC Investigator Remarks:

12/14/05-Sharif// I responded to the site this morning after I received the call.About 200 gallons #6 oil spilled on the boiler room floor due to an unclosed valve that was kept open by the super after he had cleaned the filter on oil line to the boiler. Northeast Environmental,Joe Ostrowski,914-777-1930) has been hired to clean up the spill and do remediation if it has impacted the soil.The tank is 5000 gallons capacity UST and spill has not impacted the tank room.
03/21/06 Sharif Rahman- Joe Ostrowski no longer works for North East. I spoke with Dwayne Monaco,914-777-1930 of North East- he is looking for the files and will get back to DEC soon.
03/28/06 Sharif Rahman- Rec'd a clean up statement from North East Environmental.Documents are not sufficient to close out the case. I spoke with Mr. Costanja and asked to provide DEC subsurface investigation report in the boiler room. A letter was sent to
Chestnut Holding
5676 Riverdale Avenue-Suite # 307
Bronx, NY 10471
Attn: Jerry Costanja,Fax:(718)543-8600.
04/20/06 Sharif Rahman- Rec'd invoice, bill and photographs of the cleaned site.NFA required.

Map Identification Number 170 **136TH ST & RIVERSIDE DR** **Spill Number: 9610009** **Close Date: 11/11/1996**
136TH ST & RIVERSIDE DR MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2500 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: W 136TH ST/RIVERSIDE DR
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: Fire Department
Caller Name: GARDNER
DEC Investigator: TOMASELLO

Spiller: UNK
Notifier Name: NYC FD
Caller Agency: NYC FD HAZ MAT
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone: (914) 769-0484
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/11/1996		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	50.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

unk cause of spill - fd called to scene of oil on roadway

speedri put down dept of sanitation will clean up

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 171 **W 136TH ST/RIVERSIDE AVE** **Spill Number: 9610007** **Close Date: 11/11/1996**
W 136TH ST/RIVERSIDE AVE MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2500 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: W 136TH ST/RIVERSIDE DR
Revised zip code: 10031

Source of Spill: UNKNOWN | Spiller: UNKNOWN | Spiller Phone:
Notifier Type: Local Agency | Notifier Name: MR PINKUS | Notifier Phone: (212) 374-5500
Caller Name: GWEN HAWKINS | Caller Agency: DEP | Caller Phone: (718) 595-6777
DEC Investigator: TOMASELLO | Contact for more spill info: MR PINKUS | Contact Person Phone: (212) 374-5500

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/11/1996		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	30.00	GALLONS	0.00	GALLONS	SEWER

Caller Remarks:

caller was given very little info about spill

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 172 **TM #1893** **Spill Number: 0503050** **Close Date: 04/05/2006**
WEST 131ST STREET AND 7TH MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2513 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: W 131ST ST / ADAM CLAYTON POWELL JR BLVD
Revised zip code: UNKNOWN

Source of Spill: UNKNOWN | Spiller: UNKNOWN | Spiller Phone:
Notifier Type: Affected Persons | Notifier Name: LARRY COSTA | Notifier Phone: (212) 580-6763
Caller Name: LARRY COSTA | Caller Agency: CON ED | Caller Phone: (212) 580-6763
DEC Investigator: JHOCONNE | Contact for more spill info: ERT DESK MIKE DAUGHTERY | Contact Person Phone: (212) 580-8383

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/13/2005		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SURFACE WATER

Caller Remarks:

PRODUCT ON 2,000 GALLONS OF WATER. DOES NOT TO APPEAR THAT SEWERS OR WATERWAYS WERE AFFECTED. NO SMOKE OR FIRE. CLEAN UP IS PENDING SAMPLE RESULTS.

DEC Investigator Remarks:

4/5/05 - See e-docs for spill closure documentation. (JHO)

Map Identification Number 173 **MANHOLE 44896** **Spill Number: 9908670** **Close Date: 02/22/2002**
W 128TH ST & 7TH AV MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2518 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: W 128TH ST / ADAM CLAYTON POWELL JR BLVD
Revised zip code: 10027

Source of Spill: UNKNOWN Spiller: UNKNOWN Spiller Phone:
Notifier Type: Affected Persons Notifier Name: MR CROWE Notifier Phone:
Caller Name: FRANK MASSERIA Caller Agency: CON EDISON Caller Phone: (212) 580-6763
DEC Investigator: COMENALE Contact for more spill info: Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/17/1999		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

1/2 gallon of unk oil - will sample material - clean up pending lab results - ref #128481

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 174 **SHELL SERVICE #13876** **Spill Number: 0411345** **Close Date: 02/02/2006**
235 ST NICHOLOS AVE NEW YORK, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2525 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: 235 SAINT NICHOLAS AVE
Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION
Notifier Type: Other
Caller Name: MATTHEW ABBOTT
DEC Investigator: KMFOLEY

Spiller: MATT SCHNICK - SHELL SERVICE #13876
Notifier Name: MATTHEW ABBOTT
Caller Agency: NORTHEAST ENVIR.
Contact for more spill info: MATT SCHNICK

Spiller Phone: (631) 979-5946
Notifier Phone: (631) 979-5946
Caller Phone: (631) 979-5946
Contact Person Phone: (631) 979-5946

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/19/2005		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	GROUNDWATER

Caller Remarks:

CONTAMINATED SOIL CAME BACK:

DEC Investigator Remarks:

contaminated soil letter (csl) sent 1/28/2005 to Motiva

3/23/05 - reassigned to Randy Austin per today meeting. HEating oil spill only. KST

Reassigned to Ed Rossan temporarily, until decsion made about permanent reassignment. no action will be taken until that is done

2/2/06 Reassigned from Rossan to Foley. Reviewed UST closure report for one 550gal heating oil tank(2/10/05, Northeast Environmental Solutions) and followup groundwater sampling data(3/31/05, NES). Elevated SVOCs were detected in post-excavation soil samples. North wall had highest concentrations but all were above RSCOs for at least seven compounds.

Groundwater samples were collected in 1/05 from existing MWs. No impacts to groundwater were detected. Contaminated soils remain in place around the former 550gal heating oil tank located east of the on-site building.

Map Identification Number 175 **GRANTS TOMB** **Spill Number: 0011463** **Close Date: 08/26/2003**
GRANTS TOMB NEW YORK, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2548 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: VESSEL
Notifier Type: Other
Caller Name: MARK HAM
DEC Investigator: SIGONA

Spiller: BARGE
Notifier Name:
Caller Agency: TIM MARITIME
Contact for more spill info: MARK HAM

Spiller Phone:
Notifier Phone:
Caller Phone: (917) 374-2416
Contact Person Phone: (917) 374-2416

Spill Class: POSSIBLE REL WITH MIN POTENTIAL FOR FIRE OR HAZARD (OR KNOWN RELEASE W/ NO DAMAGE);DEC RESP;WILLING RP;CORR ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/23/2001		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	60.00	GALLONS	0.00	GALLONS	SURFACE WATER

Caller Remarks:

DRILL *****DRILL ******DRILL ******

CLEAN UP AND HAZMAT TEAMS ENROUTE. SPILL CAUSED BY A BROKEN SEAL

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 176 **Spill Number: 9912736** **Close Date: 02/17/2000**
224 W 135TH ST NEW YORK, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 2586 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING | Spiller: THEODORE ANDERSON - THEODORE ANDERSON | Spiller Phone: (212) 690-0525
Notifier Type: Other | Notifier Name: LAURIE GRAF | Notifier Phone: (516) 686-2042
Caller Name: LAURIE GRAF | Caller Agency: PETRO OIL | Caller Phone: (516) 686-2042
DEC Investigator: MCTIBBE | Contact for more spill info: THEODORE ANDERSON | Contact Person Phone: (212) 690-0525

Spill Class: POSSIBLE REL WITH MIN POTENTIAL FOR FIRE OR HAZARD (OR KNOWN REL W/ NO DAMAGE);NO DEC RESP;WILLING RP;CORR ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/08/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

STAIN ON CONCRETE

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "M TIBBE"
CLEANED BY OIL CO.

Map Identification Number 177 **UNK** **Spill Number: 9405172** **Close Date: 10/03/1997**
232 W. 136TH ST. MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 2625 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN | Spiller: UNK | Spiller Phone:
Notifier Type: Other | Notifier Name: | Notifier Phone:
Caller Name: | Caller Agency: | Caller Phone:
DEC Investigator: UNASSIGNED | Contact for more spill info: | Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/15/1994		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN MATERIAL	OTHER	0	POUNDS	0	POUNDS	AIR

Caller Remarks: NO REMARKS GIVEN FOR THIS SPILL

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "XX"
SPILL CLOSED DUE TO INSUFFICIENT DATA.

Map Identification Number 178 **Spill Number: 9912328** **Close Date: 07/06/2004**

515 WEST 139TH ST MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 2635 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING
Notifier Type: Other
Caller Name: PETE LAPORE
DEC Investigator: JMKRIMGO

Spiller: PETE LAPORE
Notifier Name: MIGUEL GOMEZ
Caller Agency: PETRO OIL
Contact for more spill info: PETE LAPORE

Spiller Phone: (718) 628-3348
Notifier Phone:
Caller Phone: (718) 628-3348
Contact Person Phone: (718) 628-3348

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/27/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	10.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

CALLER FIRM ON SITE MAKING DELIVERY - CUSTOMER OVER ORDERED CAUSING

TANK OVERFILL - SPILL BEING CLEANED UP

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "KRIMGOLD"
01/26/04

Reassigned fromRommel to Austin
02/17/04: Reassigned from AUSTIN to KRIMGOLD.

CLOSED STATUS HAZARDOUS SPILLS - MISC. SPILL CAUSES - EQUIPMENT FAILURE, HUMAN ERROR, TANK OVERFILL, DELIBERATE SPILL, TRAFFIC ACCIDENT, HOUSEKEEPING, ABANDONED DRUM, AND VANDALISM - IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS.
All spills mapped and profiled within 1/8 mile. Between 1/8 mile and 1/2 mile search radius, spills reported to be greater than 100 units and spills reported in the NYSDEC Fall 1998 MTBE Survey are mapped and profiled. Spills reported to be less than 100 units are listed in a table at the end of this section.

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 179 **AMSTERDAM BUS DEPOT** **Spill Number: 9907728** **Close Date: 11/12/2003**
1381 AMSTERDAM AV MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 240 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL VEHICLE
Notifier Type: Responsible Party
Caller Name: PASHKO CAMAJ
DEC Investigator: MCTIBBE

Spiller: CALLER - NYC TRANSIT
Notifier Name: PASHKO CAMAJ
Caller Agency: NYC TRANSIT -ASSISTED SAF
Contact for more spill info: PASHKO CAMAJ

Spiller Phone: (718) 927-7777
Notifier Phone: (718) 243-4851
Caller Phone: (718) 243-4851
Contact Person Phone: (718) 243-4851

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/26/1999		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
LUBE OIL	PETROLEUM	6.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

A LINE RUPTURED ON A BUS, OIL SPILLED TO THE GROUND AND MAY HAVE ENETERD A SEWER LINE - CLEAN UP CREW ON SITE

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"

Ruptured line on bus. some entered the sewer. NYCT hired Allstate to clean.

Map Identification Number 180 **AMSTERDAM BUS DEPOT - NYCT** **Spill Number: 9905017** **Close Date: 01/31/2006**
1381 AMSTERDAM AVENUE MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 240 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 10027

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Responsible Party
Caller Name: RAMON PAEZ
DEC Investigator: MCTIBBE
Spiller: RAMON PAEZ - AMSTERDAM DEPOT
Notifier Name: MR MAXWELL
Caller Agency: NEW YORK CITY TRANSIT
Contact for more spill info: RAMON PAEZ
Spiller Phone: (718) 243-4581
Notifier Phone: (718) 927-7777
Caller Phone: (718) 243-4581
Contact Person Phone: (718) 243-4581

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/27/1999		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
HYDRAULIC OIL	OTHER	200.00	GALLONS	200.00	GALLONS	SOIL

Caller Remarks:

equipment failure on a bus lift - spill contained inside a vault and it is being pumped out into barrels for disposal

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
see also 9-05007.

01/31/06: Refer to 9903475.

Map Identification Number 181 **AMSTERDAM BUS DEPOT - NYCT** **Spill Number: 9904206** **Close Date: 01/31/2006**
1381 AMSTERDAM AVENUE MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 240 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: 1381 AMSTERDAM AVE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Responsible Party
Caller Name: JOSEPHINE BROWN
DEC Investigator: MCTIBBE

Spiller: NYC TRANSIT AUTHORITY
Notifier Name:
Caller Agency: NEW YORK CITY TRANSIT AUT
Contact for more spill info: SANGIVE KURAY

Spiller Phone:
Notifier Phone:
Caller Phone: (718) 243-4581
Contact Person Phone: (718) 927-8219

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/09/1999		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
HYDRAULIC OIL	OTHER	15.00	GALLONS	15.00	GALLONS	SOIL

Caller Remarks:

CALLER STATES THAT ONE OF THE HOLDING TANKS FOR THE FLUID HAD A LINE BREAK CAUSING THE SPILL. CREWS ARE ON SCENE TO CLEAN UP.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"

01/31/06: Refer to 9903475.

Map Identification Number 182 **AMSTERDAM BUS DEPOT - NYCT** **Spill Number: 9903475** **Close Date: 01/31/2006**
1381 AMSTERDAM AVENUE MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 240 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Responsible Party
Caller Name: HOWIE MATZA
DEC Investigator: MCTIBBE

Spiller: HOWIE MAPZA - NYCTA
Notifier Name: SANJIV KURAY
Caller Agency: NEW YORK CITY TRANSIT
Contact for more spill info: HOWIE MAPZA

Spiller Phone: (718) 243-4581
Notifier Phone: (718) 243-4581
Caller Phone: (718) 243-4581
Contact Person Phone: (718) 243-4581

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/23/1999		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
HYDRAULIC OIL	OTHER	150.00	GALLONS	125.00	GALLONS	SOIL

Caller Remarks:

BROKEN LINE

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"

01/31/06: See also 9904206 & 9905017. Three spills called in about leaking hydraulic lift systems. The depot had three lifts with resevoir tanks; each resevoir tank was contained in a concrete vault and each lift had a concrete pit under it. Allpiping associated with these lifts were contained in the vault or the pits. NYCT had no information about this secific spills. A site visit was performed on 07/26/05. Product, water and sediment was discovered in the pits and the vaults. NYCT was directed to clean the pits and the vaults and to determine if they were completely concrete. This work was performed in September and October of 2005. Revisited the site on 12/28/05. Pits and vaults were cleaned and the concrete appeared to be competent.

Map Identification Number 183 **AMSTERDAM BUS DEPOT** **Spill Number: 9814087** **Close Date: 04/20/2004**
1381 AMSTERDAM AVE
MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 240 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	MR NELSON - NYCTA	Spiller Phone:	(212) 690-9602
Notifier Type:	Other	Notifier Name:	BRIAN BENNINGER	Notifier Phone:	
Caller Name:	HOWIE MATZA	Caller Agency:	NY CITY TRANSIT	Caller Phone:	(718) 243-4581
DEC Investigator:	MCTIBBE	Contact for more spill info:	HOWIE MATZA	Contact Person Phone:	(718) 243-4581

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/20/1999		HUMAN ERROR	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SEWER

Caller Remarks:

DELIVERY WAS MADE TO THE WRONG TANK WITHIN THE DEPOT. POSSIBLY 1 HUNDRED GALLONS OR MORE. ENTERED THE CITY SEWER SYSTEM. DELAY IN THE SPILL REPORTING DUE TO NO CONFIRMATION OF THE SPILL UNTIL NOW.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
2/22/99 mmm:FAXED TO ECS AND SPOKE WITH PRAVIN PATEL. RAY- NYC TRANSIT CONTRACTOR ON BOARD ALLSTATE. LESS THAN 100 GLS. SOME INTO OWS, CONTRACTOR ARRIVED 2 HOURS AGO, FILLED 4k AST- OVERFILLED- PRODUCT WENT INTO CONTAINMENT AREA, ONTO FLOOR AND INTO THROUGH.

2/22/99 mmm: ON SITE AT 16:30 INTERVIEWED MIKE NELSON, MTA.

CASTLE OIL CAME TO SITE ON 2/20 WITH FULL LOAD TO DELIVER. TA LINE SUPERVISOR AT THE TIME DIRECTED CASTLE TO HOOK UP AND DELIVER TO 4,000 GALLON AERO AST. FILL PORT LOCATED NEXT TO DIESEL ASTS AND TANKS WERE LOCATED NEXT TO THE BUS WASH AREA IN THE CENTER REAR PORTION OF THE GARAGE. ACCORDING TO A COPY OF CASTLE DELIVERY TICKET # 38996 DATED 2/20/99, TRUCK #105, DRIVER JM, DELIVERED 5,557 GALLONS OF #4 FUEL OIL TO THE 4,000 GALLON AST. TA LINE SUPERVISOR THOUGHT THAT THE AST STILL HAD A CONNECTION TO A 15,000 GALLON FUEL OIL TANK IN THE BASEMENT OF THE FACILITY. THE LINE WAS DISCONNECTED WHEN A NEW FILL FOR THE 15,000 GALLON TANK WAS PUT INTO SERVICE. AS A RESULT, THE 4,000 GALLON TANK WAS OVERFILLED BY 1557 GALLONS. TA LINE SUPERVISOR CHECKED TANK IN BASEMENT AND DID NOT SEE ANY RISE IN OIL LEVEL. MTA CONTROL CENTER CONTACTED AT 14:00 HOURS ON 2/20 OF A FIVE GALLON RELEASE. TANK HAD 4" OERVHEAD FILL LINE AND 2" VENT LINE, INDICATING THAT TANK MAY HAVE BEEN PRESSURIZED WHEN OVERFILLED. SEAMS ON TANK STAINED. PRIMARY TANK HAD SIPHON CONNECTION TO SECONDARY CONTAINMENT FROM END MANWAY. SIPHON MOVED MOST OF OVERFILL INTO SECONDARY CONTAIMENT HOWEVER, OIL WAS SEEPING OUT FROM UNDER SECONDARY CONTAIMENT, WHICH MAY HAVE STARTED LEAKING DUE TO PRESSURIZATION DURING OVERFILL. SEEPAGE MADE ITS WAY INTO FLOORDRAINS BUT WAS CONTAINED WITH SORBENT SAUSAGE (PIGS). TA IN PROCESS OF DRAINING OIL FROM SECONDARY CONTAIMENT AND PRIMARY TANK AND PLACING IT INTO 15,000 GALLON TANK IN BASEMENT. ALLSTATE WILL CONTINUE CLEANUP OF DRAINAGE SYSTEM TOMORROW. MTA TOLD THAT THE TANK MUST BE TESTED AND RECERTIFIED IF THEY WISH TO

CONTINUE TO USE IT. GAUGES ON THE #4 OIL AST, AND THE 2x4,000 GALLON DIESEL TANKS ARE ALL BROKEN, AND TANKS ARE GAUGED BY USING STICK READINGS.

***** LATE NOTIFICATION AND ERRORS IN REPORTING *****

11/3/03 - AUSTIN - REASSIGNED FROM MULQUEEN TO NYCTA MONITOR (TIBBE) - END

According to NYCT, Allstate completed the cleanup. Tank was subsequently taken out of service and evenytually removed on 03/2001.

Map Identification Number 184 **AMSTERDAM DEPOT** **Spill Number: 0110865** **Close Date: 07/23/2002**
1381 AMSTERDAM AV NEW YORK, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 240 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL VEHICLE
Notifier Type: Responsible Party
Caller Name: JAMES CRANDALL
DEC Investigator: MCTIBBE

Spiller: AMSTERDAM DEPOT
Notifier Name: ANTHONY CAMBADELLA
Caller Agency: NEW YORK CITY TRANSIT AUT
Contact for more spill info: JAMES CRANDALL

Spiller Phone:
Notifier Phone:
Caller Phone: (718) 243-4581
Contact Person Phone: (718) 243-4581

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/14/2002		HUMAN ERROR	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
ANTIFREEZE	OTHER	20.00	GALLONS	20.00	GALLONS	SOIL

Caller Remarks:

they are still investigating but at this point it appears that as they were priming buses this morning someone overfilled the antifreeze

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
Spill due to equipment failure. cleaned by NYCT.

Map Identification Number 185 **Spill Number: 0305249** **Close Date: 03/30/2004**

AMSTERDAM AV/129TH ST
MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 255 feet to the W

ADDRESS CHANGE INFORMATION
Revised street: AMSTERDAM AV / W 129TH ST
Revised zip code: UNKNOWN

Source of Spill: COMMERCIAL VEHICLE
Spiller: MR BONSIGNOIE - NYC TRANSIT AUTHORITY
Spiller Phone: (718) 927-7777
Notifier Type: Responsible Party
Notifier Name: BONSIGNOIE
Notifier Phone: (718) 927-7777
Caller Name: ELLSA CHESSENA
Caller Agency: NYC TRANSIT AUTHORITY
Caller Phone: (718) 243-4891
DEC Investigator: MCTIBBE
Contact for more spill info: BONSIGNOIE/NYC TRANSIT
Contact Person Phone: (718) 927-7777

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;NO CORRECTIVE ACTION REQUIRED

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/18/2003		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

Leak from bus at above location. Speedy dry applied and cleanup is in progress at time of call.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
Spill of diesel due to a mechanical failure on a bus. All contained and cleaned by NYCT.

Map Identification Number 186 **462 WEST 129TH STREET** **Spill Number: 9906065** **Close Date: 03/03/2003**

462 WEST 129TH STREET
NEW YORK CITY, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 378 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL | Spiller: JOHN QUATRALE - BELL ATLANTIC | Spiller Phone: (212) 338-7141
Notifier Type: Other | Notifier Name: LEMONT ALSTON | Notifier Phone: (718) 331-5003
Caller Name: BOB ARCARO | Caller Agency: TONE TANK AND PUMP INC | Caller Phone: (718) 331-5003
DEC Investigator: TOMASELLO | Contact for more spill info: | Contact Person Phone:

Spill Class: POSSIBLE REL WITH MIN POTENTIAL FOR FIRE OR HAZARD (OR KNOWN REL W/ NO DAMAGE);NO DEC RESP;WILLING RP;CORR ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/20/1999		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

CALLER IS REPORTING A RELEASE OF AN AIR VAPOR OF GASOLINE WHICH WAS DUE TO A MALFUNCTIONING HOSE NO CLEAN UP WAS PREFORMED DUE TO RELEASE IN THE AIR NO CALLBACK NECESSARY

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 187 **34 CONVENT AVE** **Spill Number: 0600235** **Close Date: 04/20/2006**
34 CONVENT AVE
NEW YORK, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 402 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL | Spiller: RYEBEN | Spiller Phone: (212) 866-6816
Notifier Type: Other | Notifier Name: | Notifier Phone:
Caller Name: | Caller Agency: | Caller Phone:
DEC Investigator: SFRAHMAN | Contact for more spill info: RYEBEN | Contact Person Phone: (212) 866-6816

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/07/2006		TANK OVERFILL	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	15.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

defective gauge

DEC Investigator Remarks:

04/07/06 Sharif Rahman- I spoke to Millie Lopez,(718)579-3413 and she said spill occured due to faulty gauge.Aprox. 7 gallons came out of the top of the tank and approx. 8 gallons spilled on side walk near ventline. Castle oil crews on site, doing clean up.
04/20/06 Sharif Rahman- I spoke with Ryeben,(212)866-7816 and he confirmed me they cleaned the spill very good.NFA required.

Map Identification Number 188 **WEST 128TH ST BET AMSTERD** **Spill Number: 9400456** **Close Date: 04/11/1994**
WEST 128TH ST BET AMSTERD MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (5)
Approximate distance from property: 442 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: W 128TH ST BETW AMSTERDAM / CONVENT
Revised zip code: 10027

Source of Spill: UNKNOWN Spiller: UNK Spiller Phone:
Notifier Type: Local Agency Notifier Name: Notifier Phone:
Caller Name: BETSY Caller Agency: DEP Caller Phone: (718) 595-6777
DEC Investigator: KSTANG Contact for more spill info: Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/11/1994	04/11/1994	DELIBERATE	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
WASTE OIL/USED OIL	PETROLEUM	-1.00	UNKNOWN	0.00	UNKNOWN	SOIL

Caller Remarks:

REFERRED TO IWCS, DEP.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TANG"

Map Identification Number 189 **128TH ST AT** AMPSTERDAM AVE/AT DEAD ED MANHATTAN, NY NO ZIP PROVIDED **Spill Number: 9907713** **Close Date: 11/30/2004**

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 453 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: W 128TH ST / AMSTERDAM AVE
Revised zip code: 10027

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Responsible Party
Caller Name: CHARLENE SMITH
DEC Investigator: MCTIBBE
Spiller: NYCTA
Notifier Name:
Caller Agency: NYC TRANSIT
Contact for more spill info: CHARLENE SMITH
Spiller Phone:
Notifier Phone:
Caller Phone: (718) 927-7777
Contact Person Phone: (718) 927-7777

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/26/1999		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
MOTOR OIL	PETROLEUM	50.00	GALLONS	0.00	GALLONS	SEWER

Caller Remarks:

ruptured line on equipment caused 50 gal of oil to leak-some

materal was confined to a platform - but some did get into the

sewer system

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
TRANSFERED FROM COMENALE TO TIBBE ON 4/11/01.

11/30/04 - A wall hose ruptured spilling 50 gallons of motor oil on the depot floor and street. Area contained by Depot

maintenance. NYCT has no further information about this spill.

Map Identification Number 190 **AMSTERDAM AVE & 128TH ST** **Spill Number: 9903597** **Close Date: 11/12/2003**
AMSTERDAM AVE & 128TH ST MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 453 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: AMSTERDAM AVE / W 128TH ST
Revised zip code: 10027

Source of Spill: COMMERCIAL VEHICLE
Notifier Type: Responsible Party
Caller Name: PAUL CAMAJ
DEC Investigator: MCTIBBE
Spiller: HOWIE MATZA - TRANSIT AUTHORITY
Notifier Name: EMPLOYEE
Caller Agency: SYSTEM SAFETY
Contact for more spill info: CALLER
Spiller Phone: (718) 243-4581
Notifier Phone:
Caller Phone: (718) 243-4350
Contact Person Phone: (718) 243-4350

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/29/1999		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
MOTOR OIL	PETROLEUM	7.00	GALLONS	7.00	GALLONS	SOIL

Caller Remarks:

CALLER REPORT BUS HIT SOMETHING AND LEAKED FROM THE PAN BURSTING ALL WAS CLEANED UP.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
3-3-03: Closed Due To The Nature / Extent Of The Spill Report.Transfered From Tomasello To Tibbe On 11/12/03.Bus Hit Road Debris Puncturing Oil Pan. No Impact To Sewers.

Map Identification Number 191 **ST MARY CENTER** **Spill Number: 0650579** **Close Date: 07/12/2006**
516 WEST 126TH ST MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 646 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Responsible Party
Caller Name:
DEC Investigator: SMSANGES

Spiller: BUILDING OWNER
Notifier Name:
Caller Agency:
Contact for more spill info: MICHAEL BULLOCK

Spiller Phone:
Notifier Phone:
Caller Phone:
Contact Person Phone: (212) 662-1826

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/11/2006		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
HYDRAULIC OIL	OTHER	5.00	GALLONS	0.00	GALLONS	IMPERVIOUS SURFACE

Caller Remarks:

Caller staes that a casing from an elevator car to the ground is leaking oil from it due to a crack in the casing.
Potential impact to the bottom of the elevator shaft and soil below

DEC Investigator Remarks:

duplicate spill to #0604040

Map Identification Number 192 **GROUND** **Spill Number: 0604040** **Close Date: 10/18/2006**
516 WEST 126TH ST MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 646 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	UNKNOWN	Spiller:	UNKNOWN - UNKNOWN	Spiller Phone:	
Notifier Type:	Local Agency	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	SFRAHMAN	Contact for more spill info:	MICHEAL BULLOCK	Contact Person Phone:	(212) 662-1826

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/11/2006		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
HYDRAULIC OIL	OTHER	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

THE CALLER STATED THAT A CASING FROM AN ELEVATOR CAR TO THE GROUND IS LEAKING OIL FROM IT DUE TO A CRACK IN IT. NRC # 803852

DEC Investigator Remarks:

7/12/2006 Sangesland spoke to Michael Bullock, facilities manager at nursing home. He said New York Elevator Company was servicing the elevator and they added 65 gallons of hydraulic oil to the system. This oil was "lost" somewhere. They don't see any stains/oil, but some of the piping is below the elevator floor.
Sangesland told Mr. Bullock to get the elevator company back to the building and try to get them to find the leak and where the oil went.
Sangesland also gave Mr. Bullock names/numbers to several environmental cleanup companies who can find/dig out the lost oil.
10/18/06 Rahman- Eastmond pumped out the elevator pit, pressure washed it and removed 7 bags of debris out of the pit. Th eelevator pit is 70 ft deep.Invoice was provided for the job.NFA required.

Map Identification Number 193 **1345 AMSTERDAM AVE.** **Spill Number: 9311142** **Close Date: 12/16/1993**
1345 AMSTERDAM AVENUE MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 730 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL Spiller: SAME Spiller Phone:
Notifier Type: Other Notifier Name: Notifier Phone:
Caller Name: MR. CAREY Caller Agency: CASTLE OIL Caller Phone: (718) 823-8800
DEC Investigator: MCTIBBE Contact for more spill info: Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/14/1993	12/16/1993	EQUIPMENT FAILURE	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	100.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

FILL PIPE BROKE CON-ED AT SCENE - SPILL CREW & VAC TRUCK ON SCENE - HANDLED BY CASTLE OIL.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"

Map Identification Number 194 **MANHATTANVILLE** **Spill Number: 9508390** **Close Date: 10/30/1995**
1430 AMSTERDAM AVE MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P6)
Approximate distance from property: 771 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 10027

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER Spiller: SAME Spiller Phone:
Notifier Type: Responsible Party Notifier Name: SAME Notifier Phone:
Caller Name: ED MALONE Caller Agency: NYC HOUSING Caller Phone: (212) 306-8480
DEC Investigator: HEALY Contact for more spill info: CHARLES GRIFFIN Contact Person Phone: (212) 234-4200

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/09/1995		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	100.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

GASKET ON THE FRONT OF THE BOILER GOING TO A MAGNETIC VALVE

WHEN THE BOILER KICKED ON IT BLEW THE GASKET

OIL IS IN THE BASEMENT STILL WINSTON COMPANY HAS BEEN NOTIFIED TO CLEAN UP THE SPILL

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 195 **MANHATTANVILLE** **Spill Number: 9211290** **Close Date: 12/31/1992**
1430 AMSTERDAM AVE MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P6)
Approximate distance from property: 771 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 10027

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER Spiller: MANHATTANVILLE HOUSES Spiller Phone:
Notifier Type: Responsible Party Notifier Name: Notifier Phone:
Caller Name: FRANK O'CELLO Caller Agency: NYCHA Caller Phone: (212) 306-3142
DEC Investigator: HEALY Contact for more spill info: Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;UNABLE/UNWILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved	Meets Cleanup Standards	Penalty Recommended
12/30/1992	12/31/1992	HUMAN ERROR	2-474916	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	100.00	GALLONS	0.00	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		Unknown	0.00	UNKNOWN

Caller Remarks:

OIL OUT VENT TO LAWN & PKG LOT-WINSTON CONTRACTORS EN ROUTE TO CELAN SPILL

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 196 **MANHATTANVILLE** **Spill Number: 9011363** **Close Date: 07/06/1993**
549 WEST 126TH STREET NEW YORK CITY, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P6)
Approximate distance from property: 771 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 10027

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Responsible Party
Caller Name: MIKE SIMONELLI
DEC Investigator: HEALY
Spiller: NYCHA
Notifier Name:
Caller Agency: NYCHA
Contact for more spill info:
Spiller Phone: (212) 234-4200
Notifier Phone:
Caller Phone: (212) 306-3142
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/26/1991	07/06/1993	TANK OVERFILL	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	500.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

0N 1/25/91 50 GAL WAS REPORTED SPILLED ON SITE, 500 GAL WAS ACTUALLY SPILLED ON PAVEMENT, SPILL WAS SET ON FIRE BY VANDALS.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 197 **PS 161** **Spill Number: 0012680** **Close Date: 03/27/2001**
499 W 133RD ST MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 1025 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Affected Persons
Caller Name: ISAAC MUNGRA
DEC Investigator: MXTIPPLE

Spiller: FRANK - PS 161
Notifier Name:
Caller Agency: PETROLEUM TANK CLEANERS
Contact for more spill info: FRANK

Spiller Phone: (718) 391-6832
Notifier Phone:
Caller Phone: (718) 624-4842
Contact Person Phone: (718) 391-6832

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/28/2001		HUMAN ERROR	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	200.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

LEAK IN LINE CAUSED SPILL.CONTAINED

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIPPLE"
2/28/01 AFTER EXTENSIVE DISCUSSIONS WITH REPRESENTATIVES FROM BOTH THE CONTRACTOR, THE SCHOOL MAINTENANCE PERSONS AS WELL AS SCHOOL BOILER PERSONNEL. MR AMBROSE, THE PERSON IN CHARGE OF THE EVERYDAY BOILER FUNCTION FOR THE NYC SCHOOL SYSTEM, SAID THAT HIS PERSONNEL DID THE ACTUAL CUTTING OF THE SEVERED SUCTION LINE THAT CONSTITUTED THE HOLE IN THE TANK THE OIL SPILL FLOWED FROM.
THIS SPILL WAS CAUSED BY A SERIES OF MISCOMMUNICATIONS WITHIN THE NYC SCHOOL SYSTEM. THE 7500 GAL TANK (#2) HAD NOT BEEN USED FOR APPROXIMATELY THREE YEARS, IT HAD NEVER BEEN REGISTERED AS BEING OUT OF SERVICE, OR RE-REGISTERED AS BEING PUT BACK INTO SERVICE. THE PETROMETERS FOR BOTH TANKS #1 AND #2 DO NOT FUNCTION PROPERLY.

PETROLEUM TANK CLEANERS INC. WAS HIRED BY THE BOARD OF EDUCATION TO CLEAN THE OVERFILL. THEY HAVE BEEN INSTRUCTED TO VAC UP THE PRODUCT AND POWER WASH THE TANK ROOM BEFORE THE STUDENTS RETRN THURSDAY. IF THE SMELL PERSISTS, THEY ARE TO EPOXY SEAL THE TANK ROOM.

THE SCHOOL MUST COMPLETE THE FOLLOWING:

1. CAP THE LINE, AND COMPLETE THE PLUMBING WORK

2. FIX OR REPLACE THE PETROMETERS

3. TEST THE WHISTLE

03/08/01 Spoke with Frank CARDELLO, THE LINE WAS CAPPED, THE CLEANUP AND EPOXY COATING HAS BEEN COMPLETED.

THERE IS AN ORDER FOR REPAIR OR REPLACEMENT OF THE PETROMETERS

03/27/01 SPOKE WITH FRANK CARDELLO, THE PETROMETERS HAVE BEEN REPAIRED AND THE PLUMBING WORK HAS BEEN COMPLETED

Map Identification Number 198 **132ND ST AND BROADWAY** **Spill Number: 9209349** **Close Date: 11/12/1992**
132ND ST AND BROADWAY MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1284 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: W 132ND ST / BROADWAY
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Responsible Party
Caller Name: TIMOTHY SLAVSON
DEC Investigator: O'DOWD

Spiller:
Notifier Name:
Caller Agency: NYC TRANSIT AUTHORITY
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone: (718) 330-4581
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/11/1992	11/12/1992	VANDALISM	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	900.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

CONTRACTORS WORKING ON PIPES LEFT FOR A WHILE AND WHEN HE CAME BACK SOMEONE OPENED ALL 3 VALVES.PUMP OUT TRUFT INTO OIL/H2O SEPARATOR NO CALL BACK

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 199 **3167 BROADWAY** **Spill Number: 9204712** **Close Date: 07/24/1992**
3167 BROADWAY BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 1426 feet to the W

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL Spiller: Spiller Phone:
Notifier Type: Other Notifier Name: Notifier Phone:
Caller Name: J CORETTI Caller Agency: ATLAS Caller Phone: (212) 893-4400
DEC Investigator: O'DOWD Contact for more spill info: Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/24/1992	07/24/1992	HUMAN ERROR	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	150.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

ATLAS CLEANING.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 200 **ADJACENT TO VAULT #9034** **Spill Number: 0607482** **Close Date: 12/21/2006**
2437 8TH AVE MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 1430 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 10027

Source of Spill: COMMERCIAL/INDUSTRIAL | Spiller: ERTS | Spiller Phone: (212) 580-8383
Notifier Type: Responsible Party | Notifier Name: | Notifier Phone:
Caller Name: | Caller Agency: | Caller Phone:
DEC Investigator: JHOCONNE | Contact for more spill info: ERTS | Contact Person Phone: (212) 580-8383

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/29/2006		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
TRANSFORMER OIL	PETROLEUM	100.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

NO TO 5 QUESTIONS. REF NO. 202711. AFFECTING 50 GALLONS OF WATER IN THE MANHOLE.

DEC Investigator Remarks:

12/21/06 - See e-docs for Con Ed report detailing cleanup and closure.

Con Ed no. 202711 - see eDocs.

Map Identification Number 201 **VAULT 9034** **Spill Number: 0607480** **Close Date: 10/04/2006**
2437 8TH AVE MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 1430 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 10027

Source of Spill: COMMERCIAL/INDUSTRIAL | Spiller: ERTS - VAULT 9034 | Spiller Phone: (212) 580-8383
Notifier Type: Responsible Party | Notifier Name: | Notifier Phone:
Caller Name: | Caller Agency: | Caller Phone:
DEC Investigator: JHOCONNE | Contact for more spill info: ERTS | Contact Person Phone: (212) 580-8383

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/29/2006		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
TRANSFORMER OIL	PETROLEUM	100.00	GALLONS	0.00	GALLONS	SEWER

Caller Remarks:

SPILL DUE TO DEFECTIVE TRANSFORMER. SPILL DID REACH AND CONTAMINATE STORM DRAIN. REF NO.202710. NO TO QUESTIONS 1-4, YES TO #5.

DEC Investigator Remarks:

Con Ed no. 202710. See eDocs for closure information. (JHO)

Map Identification Number 202 **IN ROADWAY** **Spill Number: 0513636** **Close Date: 06/19/2006**
80 LASALLE STREET NEW YORK, NY 10027

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 1499 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: 80 LA SALLE ST
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING
Notifier Type: Fire Department
Caller Name: MICHAEL MONACO
DEC Investigator: SFRAHMAN

Spiller: SHAI OHNAN - MYSTIC CARRIERS
Notifier Name: MICHAEL MONACO
Caller Agency: FDNY HAZMAT 1
Contact for more spill info:

Spiller Phone: (800) 635-3835
Notifier Phone: (347) 203-6886
Caller Phone: (347) 203-6886
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/26/2006		HUMAN ERROR	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	200.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

Caller reports driver overfilled an inground tank to an apt building. Spill was onto land and did get into the sewer system.
Mystic Carriers will be doing the cleanup.

DEC Investigator Remarks:

Sharif Rahman responded to the site.
02/27/06 Sharif Rahman- On 02/26/06 Sunday I responded to the site. The oilman made delivery to the wrong tank which was almost half full. Approx. 200 gallon came out of the vent line and spreaded over the parking lot and travelled down the street.Mystic was doing the clean up. I suggested to take samples from the vent area. Sewer was impanted. NYC DEP/Sanitation(Mr. Johnson,Shiel#3134) were at the site.Mystic supervisor Michael Heydweiller,(800)635-3855 x211 was coordinating the clean up.Building super is Verny Delao,(212)865-3631,(212)222-1568.
03/16/06 Sharif Rahman- I called the building management office and spoke with Maintenance Director Mr. Matt Gengile,(212)865-3631x204,(201)726-9091. He indicated they did a pretty good clean up- he would convey DEC's concerns regarding the report to Mystic.
06/19/06 Sharif Rahman-EnviroTrac was retained to remove the oil contaminated soil from the vent area. End point samples were taken and analyzed to be clean.NFA required.

Map Identification Number 203 **Spill Number: 0009511** **Close Date: 12/11/2003**

301 ST NICHOLAS AVE MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1506 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Fire Department
Caller Name: FRANK DEROP
DEC Investigator: TJDEMEO

Spiller:
Notifier Name: NYC FIRE DISPATCH
Caller Agency: NYC FIRE DEPT
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone: (917) 769-0483
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/18/2000		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	200.00	GALLONS	0.00	GALLONS	SEWER

Caller Remarks:

FIRE DEPT ON SCENE OF SPILL ON THE ROOF OF A BUILDING - POSSIBLE HEATER MALFUNCTION - THERE IS A DRAIN ON THE ROOF SO A NEARBY SEWER IS EFFECTED AT THIS TIME

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "DEMEO"
12/11/03 TJD

Transfer pump left running causing overfill of daytank located on roof of building. FDNY responded along with DEP. Roof drain allowed most of product to be discharged directly to NYC sewer. Remainder of impacts to roof cleaned using absorbents. Spill closed.

Map Identification Number 204 **W 132ND ST PURS** **Spill Number: 0409055** **Close Date: 01/06/2005**
630 WEST 132ND STREET MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 1751 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: 630 WEST 132ND ST
Revised zip code: NO CHANGE

Source of Spill:	INSTITUTIONAL, EDUC, GOV, OTHER	Spiller:	ERT DESK - SUBSTATION	Spiller Phone:	(212) 580-8383
Notifier Type:	Responsible Party	Notifier Name:	PAUL DEDONOTO	Notifier Phone:	(212) 580-6764
Caller Name:	PAUL DEDONOTO	Caller Agency:	CONED	Caller Phone:	(212) 580-6764
DEC Investigator:	JHOCONNE	Contact for more spill info:	ERT DESK	Contact Person Phone:	(212) 580-8383

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/09/2004		EQUIPMENT FAILURE	NO	NO

NO MATERIAL INFORMATION GIVEN FOR THIS SPILL

Caller Remarks:

spilled onto blue stone: clean up is in progress

DEC Investigator Remarks:

e2mis no. 156200:

On 11/9 at 20:30 Edwards # 03829 reported that while at 630 W 132 st Purs at Pre-cooler #1 on
Feeder 51, he discovered a spill a burst of Dielectric fluid from a ruptured disk. Approx one gallon of dielectric hit the
Bluestone. The base of the bluestone is sand. Environemntal tag # 000400 was hung. No samples were take due to Generator
knowledge of Non-PCB. The Bluesone is being shoveled up and a 5-gallon containment pan is being placed under the Blow-down pipe
to catch any further spillage. The unit is not leaking now because the original leak was precipated by a burst of oil buildup.

11/23/04
Operator Mike McGroarty reported to me on 11/18/2004, that this leak has been repaired and can be closed out. The rupture disc on
the 51 s precooler has been replaced. The soiled stone has been removed.

Map Identification Number 205 **MANHATTENVILLE BUS DEPOT** **Spill Number: 9806198** **Close Date: 04/20/2004**
666 WEST 133RD STREET MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1825 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: 666 W. 133RD ST
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Responsible Party
Caller Name: ERIC JONES
DEC Investigator: MCTIBBE

Spiller: NYC TRANSIT
Notifier Name: JERRY LOVETT
Caller Agency: NYC TRANSIT
Contact for more spill info: ERIC JONES

Spiller Phone:
Notifier Phone: (718) 243-4581
Caller Phone: (718) 243-4581
Contact Person Phone: (718) 243-4581

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/19/1998		HUMAN ERROR	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
MOTOR OIL	PETROLEUM	100.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

pipe was left disconnected in pump room - spill is contained and cleanup has started

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
10/9/03 - AUSTIN - TRANS. FROM HALE TO TIBBE - END

04/20/02 - According to NYCT's records, there was a delivery of motor oil to the wrong tank, which also happened to be under repair, resulting in a 100-400 gallon spill. The spill was contained in the bulk fluids room, which has no drains, and was cleaned by inhopuse personnel and an outside contractor.

Map Identification Number 206 **MANHATTANVILLE DEPOT** **Spill Number: 0310991** **Close Date: 12/31/2003**
666 WEST 133RD STREET NEW YORK, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1825 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN Spiller: JOSEPHINE BROWN - NYCT Spiller Phone: (718) 243-4581
Notifier Type: Local Agency Notifier Name: SHERRY BULKLEY Notifier Phone: (718) 243-4581
Caller Name: SHERRY BULKLEY Caller Agency: NYC TRANSIT Caller Phone: (718) 243-4581
DEC Investigator: MCTIBBE Contact for more spill info: Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/26/2003		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
PROPYLENE GLYCOL	OTHER	100.00	GALLONS	0.00	GALLONS	GROUNDWATER

Caller Remarks:

Details still underway-underground pipe-some amount into a drain-unk if oil/water separator-caller is into work now-more details after 800am-will re contact when available

*****UPDATE*** PROPYLENE GLYCOL**** NOT ANTIFREZE NOTIFIED CLEAN UP CO. PUMPED LIQUID OUT.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
Broken gasket on a ceiling heating unit caused spill of propylene glycol to a drain which leads to an oil/water seperator.
Unknown how much passed thru the seperator but 1800 gallons of possible contaminated water was removed from the seperator.
NYCDEP notified #733425.

Map Identification Number 207 **121ST & AMSTERDAM AVE** **Spill Number: 9108722** **Close Date: 11/18/1994**
121ST ST & AMSTERDAM AVE MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2275 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: W 121ST ST/AMSTERDAM AVE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Local Agency
Caller Name: STUSO
DEC Investigator: SIGONA

Spiller: COLUMBIA UNIVERSITY
Notifier Name:
Caller Agency: NYC FD HAZ MAT
Contact for more spill info:

Spiller Phone: (212) 678-3333
Notifier Phone:
Caller Phone: (718) 753-1424
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/14/1991	11/18/1994	HUMAN ERROR	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	150.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

CON ED, DEP, FD ON SCENE. SAND PUT DOWN BY STREET CLEANERS.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 208 **Spill Number: 9910909** **Close Date: 07/24/2003**
527 1/2 MANHATTAN AVE MANHATTAN, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2293 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: TANK TRUCK
Notifier Type: Affected Persons
Caller Name: STEVEN WILLIAMS
DEC Investigator: SMSANGES

Spiller: UNKNOWN
Notifier Name: STEVEN WILLIAMS
Caller Agency: CITIZEN
Contact for more spill info: STEVEN WILLIAMS

Spiller Phone:
Notifier Phone: (212) 662-4604
Caller Phone: (212) 780-7464
Contact Person Phone: (212) 662-4604

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/13/1999		HUMAN ERROR	NO	NO

NO MATERIAL INFORMATION GIVEN FOR THIS SPILL

Caller Remarks:

CALLER REPORTING THAT AN UNKNOWN OIL COMPANY DELIVERED OIL TO THE WRONG RESIDENCE, CALLERS HOME. CALLER USES GAS. THEY DID RESPOND AND PLACE DOWN ABSORBANTS. OIL COMPANY HAS NOT RETURNED TO FINISH CLEAN UP TODAY. REQ DEC CALL BACK.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SANGESLAND"

Map Identification Number 209 **238 WEST 136TH ST** **Spill Number: 9605429** **Close Date: 07/13/2005**
238 WEST 136TH ST NYC, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 2584 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING
Notifier Type: Other
Caller Name: MIKE SHAW
DEC Investigator: JXPerezM

Spiller: DONALD BRAITHWAITE
Notifier Name: MIKE SHAW
Caller Agency: WALCO
Contact for more spill info: DONALD BRAITHWAITE

Spiller Phone: (212) 281-5676
Notifier Phone: (718) 596-6212
Caller Phone: (718) 596-6212
Contact Person Phone: (212) 281-5676

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/27/1996		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	100.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

hole in suction line - underground

DEC Investigator Remarks:

1. This spill case was reassigned from DEC (SIGONA) to PEREZ on 06/13/2005.

2. Spill closed on 07/13/2005. Letter from the property owner claimed that all the repairs were completed. By J. Perez on 07/13/05.

THE FOLLOWING CLOSED SPILLS FOR THIS CATEGORY WERE REPORTED BETWEEN 1/8 MILE AND 1/2 MILE FROM THE SUBJECT ADDRESS. THESE SPILLS WERE REPORTED TO BE LESS THAN 100 UNITS IN QUANTITY AND CAUSED BY: EQUIPMENT FAILURE, HUMAN ERROR, TANK OVERFILL, DELIBERATE SPILL, TRAFFIC ACCIDENT, HOUSEKEEPING, ABANDONED DRUM, OR VANDALISM. THESE SPILLS ARE NEITHER MAPPED NOR PROFILED IN THIS REPORT.

FACILITY ID	FACILITY NAME	STREET	CITY
0000259	VACANT LOT	128TH ST & CONVENT AVE	MANHATTAN
9614373	SAFA REALTY ASSOC	1350 AMSTERDAM AVE	MANHATTAN
9107150	409 W 129TH ST	409 W 129TH ST	NYC
9401006	419 W. 128TH STREET	419 W. 128TH STREET	MANHATTAN
9812694		501 WEST 125TH ST	MANHATTAN
9808605		545 WEST 125TH STREET	MANHATTAN
0101812	VAULT # 1038	IFO 527 W 125TH ST	MANHATTAN
0106979	RESI: SINGER	25-35 ST NICHOLAS TERR	MANHATTAN
0004041	133 STREET AT	AMSTERDAM AVENUE	NEW YORK CITY
9813261	OPPOSITE	445 WEST 125TH ST	MANHATTAN
9612101	MOBIL S/S	3260 BROADWAY	NEW YORK
0010314	GRANT HOUSES -NYCHA	1330 AMSTERDAM AV	MANHATTAN
0110151	55 LA SALLE ST	55 LA SALLE ST	MANHATTAN
0607205	TRANSIT	BROADWAY/125TH	MANHATTAN
0504915	BUS-STREET SPILL	125TH / BROADWAY	MANHATTAN
0009755	MANHOLE 412	WEST 124TH ST & 10TH AVE	NEW YORK
9410247	545 W. 133RD STREET	545 W. 133RD STREET	MANHATTAN
9510369	KATZ BROS PAINT CORP	603 W.125TH ST	NEW YORK
9904142	YOBANI SERVICE CENTER	3249 BROADWAY	MANHATTAN
0208798	ROADWAY	132ND ST/BROADWAY	MANHATTAN
0412212	MANHOLE 61799	BROADWAY & 132ND STREET	MANHATTAN
9912971		1508 AMSTERDAM AVE	NEW YORK
9303250	GAS TANK RUPTURE ON TRUCK	603 WEST 130TH ST	MANHATTAN
0201036	BRADFORD RES	31 TIEMANN AVE	MANHATTAN
9710118	3163 BROADWAY	3163 BROADWAY	MANHATTAN

0601780	COLLEGE	616 WEST 126TH STREET	MANHATTAN
9104865	302 WEST 128TH ST/MANH	302 WEST 128TH STREET	NEW YORK CITY
9209732	302 WEST 128TH STREET	302 WEST 128TH STREET	MANHATTAN
9500164	302 WEST 128TH STREET	302 WEST 128TH STREET	MANHATTAN
9800022	516 WEST 135TH ST	516 WEST 135TH ST	MANHATTAN
0110957		310 W 127TH ST	MANHATTAN
8604350	SULLIVAN	533 134TH ST	NEW YORK CITY
9304786	3147 BROADWAY	3147 BROADWAY	MANHATTAN
9411770	LASCREE BAPTIST CHURCH	362 W. 125TH ST	MANHATTAN
0211732	WOLF AMOCO STATION	117 MORNINGSIDE AV	MANHATTAN
0201176	VAULT 9192	8TH AVE/W 131ST ST	MANHATTAN
0504946	BUS #5559	125TH ST & ST NICHOLAS AVE	MANHATTAN
9911670	1532 AMSTERDAM AVENUE	1532 AMSTERDAM AVENUE	MANHATTAN
0513475	VAULT 9347	1537 AMSTERDAM AVE	MANHATTAN
0203453	ROADWAY	136TH ST & AMSTERDAM AVE	MANHATTAN
0207815		111 MORNINGSIDE AVE	MANHATTAN
0107900	W 132ND ST PURS UNIT R4 (M52S)	632 W 132ND ST	MANHATTAN
0108373	W. 132ND ST. PURS	630 WEST 132ND STREET	MANHATTAN
0208007	PUR FACILITY	630 WEST 132ND STREET	MANHATTAN
0307158	PURS SUB STATION	630 WEST 132ND STREET	MANHATTAN
0507547	WEST 132 ST PURS UNIT R4 (M52S)	630 WEST 132ND STREET	MANHATTAN
0108025	132ND ST PURS UNIT R1 (M51N)	W 132ND ST & 12TH AVE	MANHATTAN
0302028	630 WEST 132ND ST BETWEEN	8TH AND 9TH AVENUE	MANHATTAN
0107208		288 ST NICHOLAS AV	NEW YORK
9701417	500 WEST 123RD ST	500 WEST 123RD ST	MANHATTAN
9315510	ST. NICHOLAS HOUSES	2406 8TH AVENUE	MANHATTAN
9511225	ST NICHOLAS HOUSING	2406 8TH AVE	NYC
9412022	214 W. 131ST STREET	214 W. 131ST STREET	MANHATTAN
9305036	605 WEST 132ND STREET	605 WEST 132ND STREET	MANHATTAN
0310663	MANHATTAN DEPOT	23-21 12TH AVE	MANHATTAN
0313869	MANHATTENVILLE BUSDEPOT	2231 12TH AVE	NEW YORK
0111911	MAHATTANVILLE DEPOT	666 WEST 132ND ST	MANHATTAN
0204060	MANHATTANVILLE DEPOT	666 WEST 133RD STREET	MANHATTAN
0203317	MANHATTANVILE DEPOT	666 WEST 133RD STREET	MANHATTAN
0111763	MANHATTANVILLE DEPOT	666 WEST 133RD STREET	MANHATTAN
0007676	MANHATTANVILLE BUS DEPOT	666 WEST 133RD STREET	MANHATTAN
9805070		WEST 124TH ST/ST NICHOLAS	MANHATTAN
0109750		3333 BROADWAY	MANHATTAN
0313553	3333 BROADWAY	3333 BROADWAY	MANHATTAN
9511601	RIVERSIDE PARK COMMUNITY	3333 BROADWAY	MANHATTAN
9901882		3333 BROADWAY	MANHATTAN
8908357	COLUMBIA UNIVERSITY	560 RIVERSIDE DRIVE	MANHATTAN
9210863	273 W. 132ND ST.	273 W. 132ND ST.	MANHATTAN
9910397	PS 36	123 MORNINGSIDE DRIVE	MANHATTAN

9414589	8TH AVENUE WEST 125TH ST.	8TH AVE & W 125TH ST	MANHATTAN
0300342		181 CONVENT AVE	NEW YORK
0212531	271 WEST 125TH ST	271 WEST 125TH ST	NEW YORK CITY
9900114	MANHOLE 27788	123RD ST AND B'WAY	NY
0111871	COLUMBIA UNIVERSITY	126-130 MORNINGSIDE DR	NEW YORK
0411993	V5878	155 CLEMOUNT AVE	NEW YORK
0106808		349 WEST 122ND ST	MANHATTAN
9512453	CLEAN TEX	2335 12TH AVE	NEW YORK
0204215	INTERSECTION	135TH ST/8TH AVE	MANHATTAN
0101790	135TH ST AT	135TH ST & 8TH AV	MANHATTAN
0212841		540 MANHATTAN AV	MANHATTAN
0400030	APT. BUILDING/SIDEWALK	540 MANHATTAN AVE.	MANHATTAN
9206963	540 MANHATTAN AVE	540 MANHATTAN AVE	NY
9311391	540 MANHATTAN AVE	540 MANHATTAN AVE.	MANHATTAN
9713635		2290 12TH AVE	NEW YORK
9508857	COLUMBIA UNIVERSITY	520 WEST 122ND ST	MANHATTAN
0400646	APARTMENT HOUSE	630 WEST 135TH ST.	MANHATTAN
0306996		602 WEST 137TH ST	MANHATTAN
0110060	UNK CHINESE REST	121ST ST/AMSTERDAM AV	MANHATTAN
0511499	APRT BUILDING	575 RIVERSIDE DRIVE	MANHATTAN
0103303	OPEN EXCAVATION	W 122ND ST/BROADWAY	NEW YORK CITY
0412115	SINGLE FAMILY RESD	344 W 122ND ST	MANHATTAN
9508032	320 W. 137TH STREET	320 W. 137TH STREET	NEW YORK
0008664	MANHOLE #32636	W 123RD ST & DOUGLASS BLVD	NEW YORK
0501822	WARDS ISLAND	135TH ST & 12TH AVE	NEW YORK
9209622	231 WEST 125TH ST	231 WEST 125TH ST	NEW YORK
9508851	537 W. 121ST STREET	537 W. 121ST STREET	NEW YORK CITY
9908837	260 W. 136TH ST	260 W 136TH ST	MANHATTAN
8910364	516 WEST 121ST ST/MANH	516 WEST 121ST STREET	NEW YORK CITY
9413594	516 W. 121ST ST	516 WEST 121ST STREET	MANHATTAN
9810611	UNION THEOLOGICAL	3040 BROADWAY	MANHATTAN
9910346	COLUMBIA UNIVERSITY	516 WEST 121ST ST	MANHATTAN
9608598	362 WEST 121ST STREET	362 WEST 121ST STREET	MANHATTAN
9907854	MNAHOLE #27873	138TH ST & BROADWAY	MANHATTAN
0402482	ON ROAD	AMSTERDAM AVE/139 ST	MANHATTAN
0405729	MANHOLE #44921	7TH AVE AND 131 STREET.	MANHATTAN
0013566	MANHOLE #1893	W 131ST ST & 7TH AV	MANHATTAN
0107657	MAN HOLE 44921	WEST 131ST/ADAMCLATON BL	MANHATTAN
0010174	IFO 593 RIVERSIDE DR	IFO 593 RIVERSIDE DR	MANHATTAN
0007545	HUDSON RIVER	134TH ST AT HUDSON RIVER	MANHATTAN
0602531	MANHOLE #32625	WEST 122 STREET & 8 AVENUE	MANHATTAN
9703937	APARTMENT BLDG	223 WEST 135TH ST	MANHATTAN
9814950		80 EDGECOMBE AVE	MANHATTAN
0608287	VS#9086	538 WEST 120 STREET	NEW YORK

NO OIL STORAGE FACILITIES LARGER THAN 400,000 GALLONS IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS

PETROLEUM BULK STORAGE FACILITIES LESS THAN 400,000 GALLONS IDENTIFIED WITHIN THE 1/8 MILE SEARCH RADIUS

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 210 **1405 AMSTERDAM AVENUE** **Facility Id: 2-610375** **Source: NYS DEC**
1405 AMSTERDAM AVENUE NEW YORK, NY 10027

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 135 feet to the W*

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code:

Facility Type: Apartment Building/Office Building
Site Status: Active
Expiration Date of the facility's registration certificate: 06/16/2011
Operator Name: WILSON SANCHEZ Operator Phone #: (646) 351-7274
Owner Name: JOHN SCHROEDER - AGENT
Owner Company: AMSTERDAM CONVENT REALTY ASSOCIATES LP Owner Type: Corporate or Commercial
Owner Address: 161 SUFFOLK STREET, NEW YORK, NY 10002

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	#2 Fuel Oil	3000	Abovegrnd - in contact w/imperv. barrier	06/16/2006		

TANK NUMBER: 001
TANK EXT. PROTECTION: Painted/Asphalt Coating
PIPING EXT. PROTECTN: Original Sacrificial Anode
PIPING TYPE: Steel/Carbon Steel/Iron
OVERFILL PROTECTION: Product Level Gauge (A/G)
TANK TYPE: Steel/Carbon Steel/Iron
TANK LEAK DETECTN: Imperv. Barrier/Concrete Pad (A/G)
PIPING LEAK DETECTN: None
PIPING LOCATION: Aboveground
SPILL PREVENTION: None
TK INT. PROTECTION: None
TK SEC. CONTAINMNT: Diking (Aboveground)
PIPE SEC. CONTAINMNT: None
DISPENSER METHOD: Suction

Map Identification Number 211 **48 CONVENT AVE.** **Facility Id: 2-601019** **Source: NYS DEC**
48 CONVENT AVE. NYC, NY 10027

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 213 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Type: Apartment Building/Office Building
Site Status: Active
Expiration Date of the facility's registration certificate: 10/21/2007
Operator Name: ASST. COMMISSIONER/DMP Operator Phone #: (212) 863-7087

Owner Name:
Owner Company: NYC/HPD/DAMP Owner Type: Local Government
Owner Address: 100 GOLD ST #7Z5, NEW YORK, NY 10038

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
1	In Service	#2 Fuel Oil	5000	Aboveground - in contact with soil			

TANK NUMBER: 1 TANK TYPE: Steel/Carbon Steel/Iron TK INT. PROTECTION: None
TANK EXT. PROTECTION: Painted/Asphalt Coating TANK LEAK DETECTN: None TK SEC. CONTAINMNT: Vault (w/o access)
PIPING EXT. PROTECTN: None PIPING LEAK DETECTN: Exempt Suction Piping PIPE SEC. CONTAINMNT:
PIPING TYPE: Steel/Carbon Steel/Iron PIPING LOCATION: Aboveground/Underground Combination
OVERFILL PROTECTION: Vent Whistle SPILL PREVENTION: DISPENSER METHOD: Suction

Map Identification Number 212 **AMSTERDAM BUS DEPOT** **Facility Id: 2-190403** **Source: NYS DEC**
1381 AMSTERDAM AVENUE NEW YORK, NY 10027

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 240 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Type: Trucking/Transportation/Fleet Operation
Site Status: Active
Expiration Date of the facility's registration certificate: 06/05/2007
Operator Name: NYC TRANSIT Operator Phone #: (212) 690-9602
Owner Name:
Owner Company: NYC TRANSIT Owner Type: Local Government
Owner Address: 2 BROADWAY, NEW YORK, NY 10004

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
003	Closed - In Place	Diesel	5000	Underground	10/01/1992		07/01/1997
004	Closed - In Place	Diesel	5000	Underground	10/01/1992		07/01/1997
005	Closed - In Place	Diesel	5000	Underground	10/01/1992		07/01/1997
006	Closed - In Place	Diesel	5000	Underground	10/01/1992		07/01/1997
009	Closed - In Place	#2 Fuel Oil	15000	Aboveground - in contact with soil			
AMS-1	Closed - In Place	Lube Oil	1000	Underground	01/01/1963		09/01/1998
AMS-2	Closed - In Place	Other	550	Underground	07/01/1997		07/01/1997
AMS-5	Closed - Removed	#2 Fuel Oil	4000	Aboveground - in contact with soil	01/01/1993		03/01/2001
AMS-7	Closed Prior to Micro Conversion, 03/91	Other	500	Aboveground - in contact with soil	06/01/1996		
AMS-8	Closed - In Place	Lube Oil	1080	Underground			
DSL-1	In Service	Diesel	4000	Aboveground - in contact with soil	01/01/1993		

**** TANK INFO CONTINUES ON NEXT PAGE ****

DSL-2	In Service	Diesel	4000	Aboveground - in contact with soil	01/01/1993	
HO-1	Temporarily Out of Service	#2 Fuel Oil	15000	Aboveground - in contact with soil		
LIFT-1	In Service	Other	400	Aboveground - in contact with soil		
LIFT-2	In Service	Other	400	Aboveground - in contact with soil		
LIFT-3	In Service	Other	400	Aboveground - in contact with soil		
LUBEO.1	In Service	Lube Oil	1000	Aboveground - in contact with soil	08/01/1998	
W.O.1	In Service	Waste Oil/Used Oil	500	Aboveground - in contact with soil	06/01/1996	
The following tank(s) were either deleted from the reported data or the number was re-assigned.						
001	IN SERVICE	OTHER	550	ABOVEGROUND	01/63	10/91
002	TEMP OUT OF SERVICE	OTHER	550	ABOVEGROUND	01/63	
010	IN SERVICE	OTHER	1000	ABOVEGROUND	10/91	
014	IN SERVICE	OTHER	500	ABOVEGROUND	12/91	
007	IN SERVICE	LUBE OIL	1000	UNDERGROUND	01/63	
008	IN SERVICE	OTHER	550	UNDERGROUND	01/63	
011	IN SERVICE	DIESEL	4000	ABOVEGROUND	01/93	
012	IN SERVICE	DIESEL	4000	ABOVEGROUND	01/93	
013	IN SERVICE	#1 2 OR 4 FUEL OIL	4000	ABOVEGROUND	01/93	
AMS-10	IN SERVICE	LUBE OIL	1000	ABOVEGROUND	08/01/1998	
AMS-3	IN SERVICE	DIESEL	4000	ABOVEGROUND	01/01/1993	
AMS-4	IN SERVICE	DIESEL	4000	ABOVEGROUND	01/01/1993	
AMS-6	IN SERVICE	OTHER	500	ABOVEGROUND	06/01/1996	
AMS-9	TEMP OUT OF SERVICE	#1 2 OR 4 FUEL OIL	15000	ABOVEGROUND		

TANK NUMBER:	003	TANK TYPE:	Steel/Carbon Steel/Iron	TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	None	TANK LEAK DETECTN:	None	TK SEC. CONTAINMNT:	None
PIPING EXT. PROTECTN:	None	PIPING LEAK DETECTN:		PIPE SEC. CONTAINMNT:	
PIPING TYPE:	Galvanized Steel	PIPING LOCATION:	No Piping		
OVERFILL PROTECTION:	None	SPILL PREVENTION:		DISPENSER METHOD:	Suction

TANK NUMBER:	004	TANK TYPE:	Steel/Carbon Steel/Iron	TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	None	TANK LEAK DETECTN:	None	TK SEC. CONTAINMNT:	None
PIPING EXT. PROTECTN:	None	PIPING LEAK DETECTN:		PIPE SEC. CONTAINMNT:	
PIPING TYPE:	Galvanized Steel	PIPING LOCATION:	No Piping		
OVERFILL PROTECTION:	None	SPILL PREVENTION:		DISPENSER METHOD:	Suction

TANK NUMBER:	005	TANK TYPE:	Steel/Carbon Steel/Iron	TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	None	TANK LEAK DETECTN:	None	TK SEC. CONTAINMNT:	None
PIPING EXT. PROTECTN:	None	PIPING LEAK DETECTN:		PIPE SEC. CONTAINMNT:	
PIPING TYPE:	Galvanized Steel	PIPING LOCATION:	No Piping		
OVERFILL PROTECTION:	None	SPILL PREVENTION:		DISPENSER METHOD:	Suction

TANK NUMBER:	006	TANK TYPE:	Steel/Carbon Steel/Iron	TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	None	TANK LEAK DETECTN:	None	TK SEC. CONTAINMNT:	None
PIPING EXT. PROTECTN:	None	PIPING LEAK DETECTN:		PIPE SEC. CONTAINMNT:	
PIPING TYPE:	Galvanized Steel	PIPING LOCATION:	No Piping		

**** TANK INFO FOR THIS SITE CONTINUES ON NEXT PAGE ****

OVERFILL PROTECTION: None
SPILL PREVENTION:
DISPENSER METHOD: Suction

TANK NUMBER: 009
TANK EXT. PROTECTION: None
PIPING EXT. PROTECTN: None
PIPING TYPE: Galvanized Steel
OVERFILL PROTECTION: Product Level Gauge (A/G)
TANK TYPE: Steel/Carbon Steel/Iron
TANK LEAK DETECTN: None
PIPING LEAK DETECTN:
PIPING LOCATION: No Piping
SPILL PREVENTION:
TK INT. PROTECTION: None
TK SEC. CONTAINMNT: None
PIPE SEC. CONTAINMNT:
DISPENSER METHOD: Suction

TANK NUMBER: AMS-1
TANK EXT. PROTECTION: None
PIPING EXT. PROTECTN: None
PIPING TYPE: Galvanized Steel
OVERFILL PROTECTION: None
TANK TYPE: Steel/Carbon Steel/Iron
TANK LEAK DETECTN: None
PIPING LEAK DETECTN:
PIPING LOCATION: Underground/On-ground
SPILL PREVENTION:
TK INT. PROTECTION: None
TK SEC. CONTAINMNT: None
PIPE SEC. CONTAINMNT:
DISPENSER METHOD: Suction

TANK NUMBER: AMS-2
TANK EXT. PROTECTION: None
PIPING EXT. PROTECTN: None
PIPING TYPE: Galvanized Steel
OVERFILL PROTECTION: None
TANK TYPE: Steel/Carbon Steel/Iron
TANK LEAK DETECTN: None
PIPING LEAK DETECTN:
PIPING LOCATION: Underground/On-ground
SPILL PREVENTION:
TK INT. PROTECTION: None
TK SEC. CONTAINMNT: None
PIPE SEC. CONTAINMNT:
DISPENSER METHOD:

TANK NUMBER: AMS-5
TANK EXT. PROTECTION: Other
PIPING EXT. PROTECTN: Painted/Asphalt Coating
PIPING TYPE: Steel/Carbon Steel/Iron
OVERFILL PROTECTION: Automatic Shut-Off
TANK TYPE: Steel/Carbon Steel/Iron
TANK LEAK DETECTN: None
PIPING LEAK DETECTN:
PIPING LOCATION: Aboveground
SPILL PREVENTION:
TK INT. PROTECTION: None
TK SEC. CONTAINMNT: Diking (Aboveground)
PIPE SEC. CONTAINMNT:
DISPENSER METHOD: Suction

TANK NUMBER: AMS-7
TANK EXT. PROTECTION: Painted/Asphalt Coating
PIPING EXT. PROTECTN: Painted/Asphalt Coating
PIPING TYPE: No Piping
OVERFILL PROTECTION: Product Level Gauge (A/G)
TANK TYPE: Steel/Carbon Steel/Iron
TANK LEAK DETECTN: Interstitial - Electronic Monitoring In-Tank System (ATG)
PIPING LEAK DETECTN:
PIPING LOCATION: No Piping
SPILL PREVENTION:
TK INT. PROTECTION: None
TK SEC. CONTAINMNT: Vault (w/o access) Double-Walled (Underground)
PIPE SEC. CONTAINMNT:
DISPENSER METHOD:

TANK NUMBER: AMS-8
TANK EXT. PROTECTION: None
PIPING EXT. PROTECTN: None
PIPING TYPE: No Piping
OVERFILL PROTECTION: None
TANK TYPE: Missing Code in Old Data
TANK LEAK DETECTN: None
PIPING LEAK DETECTN:
PIPING LOCATION: No Piping
SPILL PREVENTION:
TK INT. PROTECTION: None
TK SEC. CONTAINMNT: None
PIPE SEC. CONTAINMNT:
DISPENSER METHOD:

TANK NUMBER: DSL-1
TANK EXT. PROTECTION: Other
PIPING EXT. PROTECTN: Painted/Asphalt Coating
PIPING TYPE: Steel/Carbon Steel/Iron
OVERFILL PROTECTION: Automatic Shut-Off
TANK TYPE: Steel/Carbon Steel/Iron
TANK LEAK DETECTN: None
PIPING LEAK DETECTN:
PIPING LOCATION: Aboveground
SPILL PREVENTION:
TK INT. PROTECTION: None
TK SEC. CONTAINMNT: Diking (Aboveground)
PIPE SEC. CONTAINMNT:
DISPENSER METHOD: Suction

**** TANK INFO FOR THIS SITE CONTINUES ON NEXT PAGE ****

TANK NUMBER:	DSL-2	TANK TYPE:	Steel/Carbon Steel/Iron	TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	Other	TANK LEAK DETECTN:	None	TK SEC. CONTAINMNT:	Diking (Aboveground)
PIPING EXT. PROTECTN:	Painted/Asphalt Coating	PIPING LEAK DETECTN:		PIPE SEC. CONTAINMNT:	
PIPING TYPE:	Steel/Carbon Steel/Iron	PIPING LOCATION:	Aboveground		
OVERFILL PROTECTION:	Automatic Shut-Off	SPILL PREVENTION:		DISPENSER METHOD:	Suction

TANK NUMBER:	HO-1	TANK TYPE:	Steel/Carbon Steel/Iron	TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	None	TANK LEAK DETECTN:	None	TK SEC. CONTAINMNT:	Diking (Aboveground)
PIPING EXT. PROTECTN:	Painted/Asphalt Coating	PIPING LEAK DETECTN:	Exempt Suction Piping	PIPE SEC. CONTAINMNT:	
PIPING TYPE:	Galvanized Steel	PIPING LOCATION:	Aboveground		
OVERFILL PROTECTION:	Product Level Gauge (A/G) Vent Whistle	SPILL PREVENTION:		DISPENSER METHOD:	Suction

TANK NUMBER:	LIFT-1	TANK TYPE:	Steel/Carbon Steel/Iron	TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	None	TANK LEAK DETECTN:	None	TK SEC. CONTAINMNT:	None
PIPING EXT. PROTECTN:	None	PIPING LEAK DETECTN:		PIPE SEC. CONTAINMNT:	
PIPING TYPE:	Steel/Carbon Steel/Iron	PIPING LOCATION:	Underground/On-ground		
OVERFILL PROTECTION:	Product Level Gauge (A/G)	SPILL PREVENTION:		DISPENSER METHOD:	

TANK NUMBER:	LIFT-2	TANK TYPE:	Steel/Carbon Steel/Iron	TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	None	TANK LEAK DETECTN:	None	TK SEC. CONTAINMNT:	None
PIPING EXT. PROTECTN:	None	PIPING LEAK DETECTN:		PIPE SEC. CONTAINMNT:	
PIPING TYPE:	Steel/Carbon Steel/Iron	PIPING LOCATION:	Underground/On-ground		
OVERFILL PROTECTION:	Product Level Gauge (A/G)	SPILL PREVENTION:		DISPENSER METHOD:	

TANK NUMBER:	LIFT-3	TANK TYPE:	Steel/Carbon Steel/Iron	TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	None	TANK LEAK DETECTN:	None	TK SEC. CONTAINMNT:	None
PIPING EXT. PROTECTN:	None	PIPING LEAK DETECTN:		PIPE SEC. CONTAINMNT:	
PIPING TYPE:	Steel/Carbon Steel/Iron	PIPING LOCATION:	Underground/On-ground		
OVERFILL PROTECTION:	Product Level Gauge (A/G)	SPILL PREVENTION:		DISPENSER METHOD:	

TANK NUMBER:	LUBEO.1	TANK TYPE:	Steel/Carbon Steel/Iron	TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	Painted/Asphalt Coating	TANK LEAK DETECTN:	Other	TK SEC. CONTAINMNT:	Diking (Aboveground)
PIPING EXT. PROTECTN:	Painted/Asphalt Coating	PIPING LEAK DETECTN:	Exempt Suction Piping	PIPE SEC. CONTAINMNT:	
PIPING TYPE:	Steel/Carbon Steel/Iron	PIPING LOCATION:	Aboveground		
OVERFILL PROTECTION:	High Level Alarm Vent Whistle	SPILL PREVENTION:		DISPENSER METHOD:	Suction

TANK NUMBER:	W.O.1	TANK TYPE:	Steel/Carbon Steel/Iron	TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	None	TANK LEAK DETECTN:	None	TK SEC. CONTAINMNT:	Double-Walled (Underground)
PIPING EXT. PROTECTN:	None	PIPING LEAK DETECTN:		PIPE SEC. CONTAINMNT:	
PIPING TYPE:	Steel/Carbon Steel/Iron	PIPING LOCATION:	Aboveground		
OVERFILL PROTECTION:	Product Level Gauge (A/G)	SPILL PREVENTION:		DISPENSER METHOD:	

The following tank data pertains to a tank or tanks that were either deleted from the reported data or the tank number was re-assigned.

**** TANK INFO FOR THIS SITE CONTINUES ON NEXT PAGE ****

TANK NUMBER:	001	TANK TYPE:		TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	Painted/Asphalt Coating	TANK LEAK DETECTN:	None	TK SEC. CONTAINMNT:	None
PIPING EXT. PROTECTN:	Painted/Asphalt Coating	PIPING LEAK DETECTN:		PIPE SEC. CONTAINMNT:	
PIPING TYPE:	Galvanized Steel	PIPING LOCATION:	Aboveground		
OVERFILL PROTECTION:		SPILL PREVENTION:		DISPENSER METHOD:	Suction

TANK NUMBER:	002	TANK TYPE:		TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	Painted/Asphalt Coating	TANK LEAK DETECTN:	None	TK SEC. CONTAINMNT:	None
PIPING EXT. PROTECTN:	Painted/Asphalt Coating	PIPING LEAK DETECTN:		PIPE SEC. CONTAINMNT:	
PIPING TYPE:	Galvanized Steel	PIPING LOCATION:	Aboveground		
OVERFILL PROTECTION:		SPILL PREVENTION:		DISPENSER METHOD:	Suction

TANK NUMBER:	010	TANK TYPE:		TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	Painted/Asphalt Coating	TANK LEAK DETECTN:	None	TK SEC. CONTAINMNT:	Double-Walled Tank
PIPING EXT. PROTECTN:	None	PIPING LEAK DETECTN:		PIPE SEC. CONTAINMNT:	
PIPING TYPE:	None	PIPING LOCATION:	Aboveground		
OVERFILL PROTECTION:		SPILL PREVENTION:		DISPENSER METHOD:	Gravity

TANK NUMBER:	014	TANK TYPE:		TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	None	TANK LEAK DETECTN:	None	TK SEC. CONTAINMNT:	None
PIPING EXT. PROTECTN:	Painted/Asphalt Coating None	PIPING LEAK DETECTN:	None	PIPE SEC. CONTAINMNT:	Double-Walled Tank
PIPING TYPE:	None	PIPING LOCATION:	None		
OVERFILL PROTECTION:		SPILL PREVENTION:		DISPENSER METHOD:	

TANK NUMBER:	007	TANK TYPE:		TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	None	TANK LEAK DETECTN:	None	TK SEC. CONTAINMNT:	None
PIPING EXT. PROTECTN:	None	PIPING LEAK DETECTN:		PIPE SEC. CONTAINMNT:	
PIPING TYPE:	Galvanized Steel	PIPING LOCATION:	Underground		
OVERFILL PROTECTION:		SPILL PREVENTION:		DISPENSER METHOD:	Suction

TANK NUMBER:	008	TANK TYPE:		TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	None	TANK LEAK DETECTN:	None	TK SEC. CONTAINMNT:	None
PIPING EXT. PROTECTN:	None	PIPING LEAK DETECTN:		PIPE SEC. CONTAINMNT:	
PIPING TYPE:	Galvanized Steel	PIPING LOCATION:	Underground		
OVERFILL PROTECTION:		SPILL PREVENTION:		DISPENSER METHOD:	Gravity

TANK NUMBER:	011	TANK TYPE:		TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	Other	TANK LEAK DETECTN:	None	TK SEC. CONTAINMNT:	None

**** TANK INFO FOR THIS SITE CONTINUES ON NEXT PAGE ****

None Prefabricated Steel Dike
PIPING EXT. PROTECTN: Painted/Asphalt Coating PIPING LEAK DETECTN: PIPE SEC. CONTAINMNT:
None
PIPING TYPE: Steel/Iron PIPING LOCATION: Aboveground
OVERFILL PROTECTION: SPILL PREVENTION: DISPENSER METHOD: Suction

TANK NUMBER: 012 TANK TYPE: TK INT. PROTECTION: None
TANK EXT. PROTECTION: Other TANK LEAK DETECTN: None TK SEC. CONTAINMNT: None
None Prefabricated Steel Dike
PIPING EXT. PROTECTN: Painted/Asphalt Coating PIPING LEAK DETECTN: PIPE SEC. CONTAINMNT:
None
PIPING TYPE: Steel/Iron PIPING LOCATION: Aboveground
OVERFILL PROTECTION: SPILL PREVENTION: DISPENSER METHOD: Suction

TANK NUMBER: 013 TANK TYPE: TK INT. PROTECTION: None
TANK EXT. PROTECTION: Other TANK LEAK DETECTN: None TK SEC. CONTAINMNT: None
None Prefabricated Steel Dike
PIPING EXT. PROTECTN: Painted/Asphalt Coating PIPING LEAK DETECTN: PIPE SEC. CONTAINMNT:
None
PIPING TYPE: Steel/Iron PIPING LOCATION: Aboveground
OVERFILL PROTECTION: SPILL PREVENTION: DISPENSER METHOD: Suction

TANK NUMBER: AMS-10 TANK TYPE: TK INT. PROTECTION: None
TANK EXT. PROTECTION: None TANK LEAK DETECTN: None TK SEC. CONTAINMNT: None
Painted/Asphalt Coating Other None
PIPING EXT. PROTECTN: None PIPING LEAK DETECTN: PIPE SEC. CONTAINMNT:
Painted/Asphalt Coating
PIPING TYPE: Steel/Iron PIPING LOCATION: Aboveground
OVERFILL PROTECTION: SPILL PREVENTION: DISPENSER METHOD: Suction

TANK NUMBER: AMS-3 TANK TYPE: TK INT. PROTECTION: None
TANK EXT. PROTECTION: Other TANK LEAK DETECTN: None TK SEC. CONTAINMNT: None
None Prefabricated Steel Dike
PIPING EXT. PROTECTN: Painted/Asphalt Coating PIPING LEAK DETECTN: PIPE SEC. CONTAINMNT:
None
PIPING TYPE: Steel/Iron PIPING LOCATION: Aboveground
OVERFILL PROTECTION: SPILL PREVENTION: DISPENSER METHOD: Suction

TANK NUMBER: AMS-4 TANK TYPE: TK INT. PROTECTION: None
TANK EXT. PROTECTION: Other TANK LEAK DETECTN: None TK SEC. CONTAINMNT: None
None Prefabricated Steel Dike
PIPING EXT. PROTECTN: Painted/Asphalt Coating PIPING LEAK DETECTN: PIPE SEC. CONTAINMNT:
None
PIPING TYPE: Steel/Iron PIPING LOCATION: Aboveground
OVERFILL PROTECTION: SPILL PREVENTION: DISPENSER METHOD: Suction
**** TANK INFO FOR THIS SITE CONTINUES ON NEXT PAGE ****

TANK NUMBER:	AMS-6	TANK TYPE:		TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	None	TANK LEAK DETECTN:	None	TK SEC. CONTAINMNT:	None
	None		None		Double-Walled Tank
PIPING EXT. PROTECTN:	None	PIPING LEAK DETECTN:		PIPE SEC. CONTAINMNT:	
	None				
PIPING TYPE:	Steel/Iron	PIPING LOCATION:	Aboveground		
OVERFILL PROTECTION:		SPILL PREVENTION:		DISPENSER METHOD:	
TANK NUMBER:	AMS-9	TANK TYPE:		TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	None	TANK LEAK DETECTN:	None	TK SEC. CONTAINMNT:	None
	None		None		None
PIPING EXT. PROTECTN:	None	PIPING LEAK DETECTN:		PIPE SEC. CONTAINMNT:	
	Painted/Asphalt Coating				
PIPING TYPE:	Galvanized Steel	PIPING LOCATION:	Aboveground		
OVERFILL PROTECTION:		SPILL PREVENTION:		DISPENSER METHOD:	Suction

Map Identification Number 213 **ST PHILIPS ON CONVENT** **Facility Id: NY09386** **Source: NYC FIRE DEPT**
450 W 131 ST NEW YORK, NY 10027

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 268 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Comments: 1-10,000 GAL TNK # 2 OIL
COA IN 1991

Map Identification Number 214 **CONVENT AVENUE FAMILY LIVING CENTER** **Facility Id: 2-606609** **Source: NYS DEC**
456 WEST 129TH STREET NEW YORK, NY 10027

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 349 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Type: Apartment Building/Office Building
Site Status: Active
Expiration Date of the facility's registration certificate: 08/01/2011
Operator Name: JAKKI PETERSON-SILKISS Operator Phone #: (212) 866-7816
Owner Name: NYC DEPARTMENT OF HPD - MAINTENANCE DIRECTOR
Owner Company: NYC DEPT. OF HOUSING PRESERVATION AND DEVELOPMENT Owner Type: Local Government
Owner Address: 100 GOLD STREET - X4, NEW YORK, NY 10038

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	#2 Fuel Oil	4000	Aboveground - in contact with soil			

Map Identification Number 215 **VERIZON NEW YORK, INC.** **Facility Id: 2-344729** **Source: NYS DEC**
460 WEST 129TH STREET NEW YORK, NY 10027

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 378 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: 460 W 129TH STREET
Revised zip code: NO CHANGE

Site Status: Waste Oil Storer
Expiration Date of the facility's registration certificate: 08/23/2008

Detailed site and tank information for this site has not been made publicly available by the NYSDEC since 1/1/2002. The following is historic data:

Facility Type: Utility (Other than Municipal)

TANK INFORMATION
Aboveground tanks: Yes Underground tanks: No

Operator Name: BELL ATLANTIC Operator Phone #:
Owner Name:
Owner Company: Owner Type: Corporate/Commercial
Owner Address: 221 EAST 37TH STREET, 4TH FLOOR, NEW YORK, NY 10016

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	CLOSED-RMVD FROM GROUND	UNLEADED GASOLINE	4000	UNDERGROUND		11/01/1991	02/01/1993
002	CLOSED-RMVD FROM GROUND	UNLEADED GASOLINE	4000	UNDERGROUND		11/01/1991	02/01/1993
003	IN SERVICE	UNLEADED GASOLINE	4000	UNDERGROUND	03/01/1993		
004	IN SERVICE	USED OIL	550	ABOVEGROUND ON LEGS RACKS ETC	08/01/1994		

Map Identification Number 216 **CONVENT AVE FAMILY** **Facility Id: NY02873** **Source: NYC FIRE DEPT**
34 CONVENT AVE NEW YORK, NY 10027

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 402 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Comments: 3500GAL TK NO#4 OIL

Map Identification Number 217 **PUBLIC SCHOOL 223-MOTT HALL** **Facility Id: 2-606230** **Source: NYS DEC**
131ST STREET & NEW YORK, NY 10027

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 418 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: W 131ST STREET / CONVENT AVENUE
Revised zip code: NO CHANGE

Facility Type: School
Site Status: Active
Expiration Date of the facility's registration certificate: 07/06/2011
Operator Name: PLANT OPERATION
Operator Phone #: (718) 349-5400
Owner Name: JAMES A. MERLO - MANAGER-FUEL DIVISION
Owner Company: NYC DEPARTMENT OF EDUCATION
Owner Type: Local Government
Owner Address: 44-36 VERNON BLVD., LONG ISLAND CITY, NY 11101

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	#2 Fuel Oil	1500	Aboveground on crib, rack, or cradle	01/01/1994		

Map Identification Number 218 **THE ST. AGNES HOUSING DEVELOPMENT FUND** **Facility Id: 2-469939** **Source: NYS DEC**
41 CONVENT AVENUE NEW YORK, NY 10027

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 437 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Type: Apartment Building/Office Building
Site Status: Active
Expiration Date of the facility's registration certificate: 03/09/2009
Operator Name: MELVIN WILLIAMS
Operator Phone #: (212) 932-0220
Owner Name:
Owner Company: THE ST. AGNES HOUSING DEVELOPMENT FUND CORP.
Owner Type: Corporate or Commercial
Owner Address: 41 CONVENT AVENUE, NEW YORK, NY 10027

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	#2 Fuel Oil	5000	Aboveground - in contact with soil			

Map Identification Number 219 **MOTT HALL SCHOOL,IS 223** **Facility Id: NY06903** **Source: NYC FIRE DEPT**
75 CONVENT AVE NEW YORK, NY 10027

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (2)
Approximate distance from property: 440 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Comments: 1500 GAL TK NO#2 OIL

Map Identification Number 220 **BENJAMIN THURSTON** **Facility Id: NY01942** **Source: NYC FIRE DEPT**
465 W 131 ST NEW YORK, NY 10027

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 443 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Comments: 1500GAL TK NO 4 OIL

Map Identification Number 221 **1437 AMSTERDAM AVE REALTY INC** **Facility Id: 2-063193** **Source: NYS DEC**
405 WEST 131TH STREET NEW YORK, NY 10027

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 445 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: 405 WEST 131ST ST
Revised zip code: NO CHANGE

Facility Type: Apartment Building/Office Building
Site Status: Active
Expiration Date of the facility's registration certificate: 01/14/1997
Operator Name: ANTHONY ROBINSON Operator Phone #: (212) 234-3218
Owner Name:
Owner Company: BENJAMIN THURSTON Owner Type:
Owner Address: 156 20 RIVERSIDE DR WEST- APT 8M, NEW YORK, NY 10032

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
123	In Service	#2 Fuel Oil	1500	Aboveground - in contact with soil			

Map Identification Number 222 **CHURCH ANNUNCIATION** **Facility Id: NY02623** **Source: NYC FIRE DEPT**
461 W 131 ST NEW YORK, NY 10027

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 469 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Comments: 3000GAL TK NO 4 OIL

Map Identification Number 223 **AUNNUNCIATION CHURCH** **Facility Id: 2-081094** **Source: NYS DEC**
88 CONVENT AVE NEW YORK, NY 10027

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 469 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Type: School
Site Status: Active
Expiration Date of the facility's registration certificate: 03/24/2007
Operator Name: REV JOSE M CLAVERO
Operator Phone #: (212) 234-1919
Owner Name:
Owner Company: ROMAN CATHOLIC CHURCH
Owner Type: Corporate or Commercial
Owner Address: 88 CONVENT AVE, NEW YORK, NY 10027

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	#2 Fuel Oil	900	Underground			
002	In Service	#2 Fuel Oil	3000	Aboveground - in contact with soil			

Map Identification Number 224 **JUNIOR HIGH SCHOOL 43** **Facility Id: 2-607635** **Source: NYS DEC**
509 WEST 129TH STREET NEW YORK, NY 10002

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 470 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: 509 W 129TH ST
Revised zip code: 10027

Facility Type: School
Site Status: Active
Expiration Date of the facility's registration certificate: 04/16/2007
Operator Name: PLANT OPERATION
Operator Phone #: (718) 349-5400
Owner Name: JAMES A. MERLO - MANAGER-FUEL DIVISION
Owner Company: NYC DEPARTMENT OF EDUCATION
Owner Type: Local Government
Owner Address: 44-36 VERNON BLVD., LONG ISLAND CITY, NY 11101

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	#2 Fuel Oil	10000	Aboveground on crib, rack, or cradle	03/01/2001		

Map Identification Number 225 **1439 AMSTERDAM AVENUE** **Facility Id: 2-606799** **Source: NYS DEC**
1439 AMSTERDAM AVENUE NEW YORK, NY 10027

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 471 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Type: Apartment Building/Office Building
Site Status: Active
Expiration Date of the facility's registration certificate: 08/22/2006
Operator Name: ASST. COMMISSIONER/DAMP Operator Phone #: (212) 863-7301
Owner Name:
Owner Company: NYC/HPD/DAMP Owner Type: Local Government
Owner Address: 100 GOLD ST., #7Z5, NEW YORK, NY 10038

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	Gasoline	2000	Aboveground - in contact with soil			

Map Identification Number 226 **33 CONVENT AVENUE HDFC** **Facility Id: 2-608985** **Source: NYS DEC**
29-33 CONVENT AVENUE NEW YORK, NY 10027

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P4)
Approximate distance from property: 538 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Type: Apartment Building/Office Building
Site Status: Active
Expiration Date of the facility's registration certificate: 05/27/2008
Operator Name: GEORGE DALY Operator Phone #: (212) 316-1063
Owner Name:
Owner Company: 33 CONVENT AVENUE HDFC Owner Type: Corporate or Commercial
Owner Address: 29-33 CONVENT AVE, NEW YORK, NY 10027

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	#2 Fuel Oil	5000	Aboveground on crib, rack, or cradle			

Map Identification Number 227 **PUBLIC SCHOOL 129 - MANHATTAN** **Facility Id: 2-353442** **Source: NYS DEC**
425 WEST 130TH STREET NEW YORK, NY 10027

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 546 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Type: School
Site Status: Active
Expiration Date of the facility's registration certificate: 06/28/2008
Operator Name: PLANT OPERATIONS Operator Phone #: (718) 349-5400
Owner Name:
Owner Company: NEW YORK CITY DEPARTMENT OF EDUCATION Owner Type: Local Government
Owner Address: 44-36 VERNON BOULEVARD, LONG ISLAND CITY, NY 11101

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	#2 Fuel Oil	10000	Aboveground on crib, rack, or cradle			

Map Identification Number 228 **418 WEST 130TH LLC** **Facility Id: 2-161470** **Source: NYS DEC**
418 WEST 130TH STREET NEW YORK, NY 10027

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 552 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Type: Apartment Building/Office Building
Site Status: Active
Expiration Date of the facility's registration certificate: 02/03/2008
Operator Name: JOSE MENYA Operator Phone #: (212) 665-4216
Owner Name:
Owner Company: 418 WEST 130TH STREET LLC Owner Type: Corporate or Commercial
Owner Address: P.O. BOX 255, PARKVILLE STATION, BROOKLYN, NY 11204

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	#2 Fuel Oil	5000	Aboveground - in contact with soil			

Map Identification Number 229 **CONVENT REALTY LLC** **Facility Id: 2-282707** **Source: NYS DEC**
90 CONVENT AVENUE NEW YORK, NY 10027

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 574 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: 90 CONVENT AVE
Revised zip code: NO CHANGE

Facility Type: Apartment Building/Office Building
Site Status: Active
Expiration Date of the facility's registration certificate: 03/21/2011
Operator Name: ENES Operator Phone #: (917) 218-1271
Owner Name: MICHELLE MORALES - AGENT
Owner Company: CONVENT REALTY LLC @ PINNACLE GROUP Owner Type: Corporate or Commercial
Owner Address: P.O. BOX 1920, NEW YORK, NY 10116

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	#2 Fuel Oil	5000	Aboveground - in contact with soil			

Map Identification Number 230 **129 STREET REALTY CORP.** **Facility Id: 2-602928** **Source: NYS DEC**
419 WEST 129TH STREET NEW YORK, NY 10027

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 600 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Type: Apartment Building/Office Building
Site Status: Active
Expiration Date of the facility's registration certificate: 02/13/2012
Operator Name: RAMONA DUNLOP Operator Phone #: (212) 678-4334
Owner Name: 129TH ST REALTY C/O ADAM STRYKER - MANAGING AGENT
Owner Company: 129 STREET REALTY CORP. C/O A. FRIEDMAN MGT. CORP. Owner Type: Corporate or Commercial
Owner Address: 225 WEST 34TH STREET, NEW YORK, NY 10027

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
OO1	In Service	#2 Fuel Oil	3000	Aboveground - in contact with soil	01/01/1920		

Map Identification Number 231 **418 WEST 129 STREET** **Facility Id: 2-606794** **Source: NYS DEC**
418 WEST 129TH STREET NEW YORK, NY 10027

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 630 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Type: Apartment Building/Office Building
Site Status: Active
Expiration Date of the facility's registration certificate: 08/22/2011
Operator Name: ASST. COMM. DAMP
Operator Phone #: (212) 863-7301
Owner Name: WILLA H. PADGETT - ASST COMMISSIONER DAMP
Owner Company: NYC/HPD/DAMP
Owner Type: Local Government
Owner Address: 100 GOLD ST., #7Z5, NEW YORK, NY 10038

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	#2 Fuel Oil	2000	Aboveground - in contact with soil			

HAZARDOUS WASTE GENERATORS/TRANSPORTERS IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 232 **NYSDEC Name:** **CONSOLIDATED EDISON** **Facility Id: NYP004070470**
NYSDEC Address: MH24661-130TH & AMSTERDAM NEW YORK, NY 10027

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 247 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: W 130TH ST / AMSTERDAM AV
Revised zip code: NO CHANGE

US EPA RCRA (Resource Conservation and Recovery Act) information not reported; Site information reported by NYS DEC.

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
D008	Lead	40	POUNDS	GENERATED	2000

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
Lead	7439921	X	X	X	X		0.05mg/L*

Map Identification Number 233 **NYSDEC Name:** **NYC PARKS & RECREATION** **Facility Id: NYR000076745**
NYSDEC Address: 129TH ST & AMSTERDAM AVE NEW YORK, NY NO ZIP PROVIDED
EPA (RCRA) Name: NYC DEPT PARKS & REC - MORNINGSIDE PK
EPA (RCRA) Address: 123RD ST & MORNINGSIDE AVE NEW YORK, NY 10027

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 255 feet to the W

ADDRESS CHANGE INFORMATION
Revised street: W 129TH ST / AMSTERDAM AVE
Revised zip code: 10027

Special Note: The New York State Department of Environmental Conservation and the U. S. Environmental Protection Agency have reported different locations for this hazardous waste identification number. Available information for both locations is summarized below.

US EPA RCRA Type: SMALL QUANTITY GENERATOR
Land Disposal: Receives offsite waste:
Storer: Treatment facility:
Notification date: 09/14/1999
Incinerator:
Transporter:
Part A notification date: 09/14/1999

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
D001	Solid waste that exhibits the characteristic of ignitability	55	GALLONS	GENERATED	2000

Map Identification Number 234 **NYSDEC Name:** **NYCTA** **Facility Id: NYD980642342**
NYSDEC Address: 1381 AMSTERDAM AVE NEW YORK, NY 11201
EPA (RCRA) Name: NYCTA - AMSTERDAM BUS DEPOT
EPA (RCRA) Address: 1381 AMSTERDAM AVE NEW YORK, NY 10027

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 299 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 10027

US EPA RCRA Type: SMALL QUANTITY GENERATOR
Land Disposal: Receives offsite waste:
Storer: Treatment facility:
Notification date: 07/17/2000
Incinerator:
Transporter:
Part A notification date: 07/17/2000

Historically listed as the following USEPA RCRA Generator Size(s) as well:
LARGE QUANTITY GENERATOR

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
D008	Lead	530	POUNDS	GENERATED	2004
D001	Solid waste that exhibits the characteristic of ignitability	15	GALLONS	GENERATED	2003
D002	Solid waste that exhibits the characteristic of corrosivity	55	GALLONS	GENERATED	2003
D009	Mercury	581	POUNDS	GENERATED	2000
D001	Solid waste that exhibits the characteristic of ignitability	2367	POUNDS	GENERATED	1992
D006	Cadmium	36	POUNDS	GENERATED	1992
D006	Cadmium	1671	GALLONS	GENERATED	1990
F002	Spent halogenated solvents	172	POUNDS	GENERATED	1990

F005	Spent non-halogenated solvents	55	GALLONS	GENERATED	1989
X726	Unknown waste type.	2000	GALLONS	GENERATED	1986

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
Lead	7439921	X	X	X	X		0.05mg/L*
Mercury	7439976	X	X	X	X		.002mg/L*
Cadmium	7440439	X	X	X	X		.010mg/L*

Map Identification Number 235 **NYSDEC Name:** **NYC CITY COLLEGE** **Facility Id: NYR981487226**
NYSDEC Address: COVENANT AVE & 130TH ST NEW YORK, NY 10031

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 308 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: CONVENT AVE / W 130TH ST
Revised zip code: 10027

US EPA RCRA (Resource Conservation and Recovery Act) information not reported; Site information reported by NYS DEC.

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
NONE	No hazardous waste activity reported by NYS up to 7/6/2006.				

Map Identification Number 236 **NYSDEC Name:** **NYNEX** **Facility Id: NYP000929364**
NYSDEC Address: 129TH STREET AND CONVERT MANHATTAN, NY NO ZIP PROVIDED
EPA (RCRA) Name: CON ED-MH 1794
EPA (RCRA) Address: VANDERBILT AVE & ST MARKS BROOKLYN, NY 112380000

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 419 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: W 129TH ST/CONVENT AVE
Revised zip code: 10027

Special Note: The New York State Department of Environmental Conservation and the U. S. Environmental Protection Agency have reported different locations for this hazardous waste identification number. Available information for both locations is summarized below.

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN Notification date: 0
Land Disposal: Receives offsite waste: Incinerator:
Storer: Treatment facility: Transporter:

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
D001	Solid waste that exhibits the characteristic of ignitability	7	GALLONS	GENERATED	1999
B003	Petroleum oil or other liquid containing 500 ppm or greater of PCBs.	1209	KILOGRAMS	GENERATED	1997
B007	Other PCB Wastes including contaminated soil, solids, sludges, clothing, etc.	2	CUBIC YDS	GENERATED	1997
D008	Lead	300	POUNDS	GENERATED	1996

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
Petroleum oil or other liquid containing 500 ppm or greater	1336363	X	X		X		5 ug/L
Lead	7439921	X	X	X	X		0.05mg/L*

Map Identification Number 237 **NYSDEC Name:** **NYC BOARD OF EDUCATION** **Facility Id: NYR000073486**
NYSDEC Address: JHS 43 M - 509 W 129TH ST NEW YORK, NY NO ZIP PROVIDED
EPA (RCRA) Name: NYC BD OF ED - JHS 43 M
EPA (RCRA) Address: 509 W 129TH ST NEW YORK, NY 10027

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 441 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: 509 W 129TH ST
Revised zip code: 10027

US EPA RCRA Type: SMALL QUANTITY GENERATOR Notification date: 07/15/1999 Part A notification date: 07/15/1999
Land Disposal: Receives offsite waste: Incinerator:
Storer: Treatment facility: Transporter:

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
D008	Lead	200	POUNDS	GENERATED	1999

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
Lead	7439921	X	X	X	X		0.05mg/L*

Map Identification Number 238 **NYSDEC Name:** **NYNEX** **Facility Id: NYP000914028**
NYSDEC Address: AMSTERDAM AVE & 128TH ST NEW YORK, NY 10027

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 453 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: AMSTERDAM AVE / W 128TH ST
Revised zip code: NO CHANGE

US EPA RCRA (Resource Conservation and Recovery Act) information not reported; Site information reported by NYS DEC.

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
D008	Lead	330	GALLONS	GENERATED	1994

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
Lead	7439921	X	X	X	X		0.05mg/L*

Map Identification Number 239 **NYSDEC Name:** **NYC BOARD OF EDUCATION - PS 129** **Facility Id: NYR000009530**
NYSDEC Address: 425 W 130TH STREET NEW YORK, NY 10027
EPA (RCRA) Name: NYC BD OF ED - PUBLIC SCHOOL 129 MAN
EPA (RCRA) Address: 425 W 130TH ST NEW YORK, NY 10027

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 558 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

US EPA RCRA Type: CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR Notification date: 07/27/1995 Part A notification date: 07/27/1995
Land Disposal: Receives offsite waste: Incinerator:
Storer: Treatment facility: Transporter:

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
D008	Lead	100	POUNDS	GENERATED	1995

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
Lead	7439921	X	X	X	X		0.05mg/L*

Map Identification Number 240 **NYSDEC Name:** **CONSOLIDATED EDISON** **Facility Id: NYD004048880**
NYSDEC Address: VS5942-AMERSTAM ST & 126TH ST NEW YORK, NY 10001

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 583 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: AMSTERDAM AVE / W 126TH ST
Revised zip code: 10027

US EPA RCRA (Resource Conservation and Recovery Act) information not reported; Site information reported by NYS DEC.

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
NONE	No hazardous waste activity reported by NYS up to 7/6/2006.				

Map Identification Number 241 **NYSDEC Name:** **CONSOLIDATED EDISON** **Facility Id: NYP004048880**
NYSDEC Address: VS5942 - AMERSTAM & 126TH NEW YORK, NY 10001

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 583 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: AMSTERDAM AVE / W 126TH ST
Revised zip code: 10027

US EPA RCRA (Resource Conservation and Recovery Act) information not reported; Site information reported by NYS DEC.

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
B002	Petroleum oil or other liquid containing 50 ppm < PCBs < 500 ppm	916	KILOGRAMS	GENERATED	2000

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
Petroleum oil or other liquid containing 50 ppm < PCBs < 500	1336363	X	X		X		5 ug/L

Map Identification Number 242 **NYSDEC Name:** **BETANCOURT PROPERTY** **Facility Id: NYR000041939**
NYSDEC Address: 458 WEST 128TH ST NEW YORK, NY 10032
EPA (RCRA) Name: BETANCOURT JOSE - PRIVATE PROPERTY
EPA (RCRA) Address: 458 W 128TH ST NEW YORK, NY 100272500

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 591 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: 458 W 128TH ST
Revised zip code: 10027

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN
Land Disposal: Receives offsite waste:
Storer: Treatment facility:
Notification date: 07/03/1997
Incinerator:
Transporter:
Part A notification date: 07/03/1997

Historically listed as the following USEPA RCRA Generator Size(s) as well:
LARGE QUANTITY GENERATOR

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
D008	Lead	80	CUBIC YDS	GENERATED	1997

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
Lead	7439921	X	X	X	X		0.05mg/L*

Map Identification Number 243 **NYSDEC Name:** **CCNY - PARK GYMNASIUM** **Facility Id: NYR000005074**
NYSDEC Address: 77 CONVENT AVE NEW YORK, NY 10031
EPA (RCRA) Name: CCNY - PARK GYMNASIUM
EPA (RCRA) Address: 77 CONVENT AVE NEW YORK, NY 10031

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (2)
Approximate distance from property: 614 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: CONVENT AVE
Revised zip code: UNKNOWN

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN
Land Disposal: Receives offsite waste:
Storer: Treatment facility:
Notification date: 05/17/1995
Incinerator:
Transporter:
Part A notification date: 05/17/1995

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
NONE	Site reported by US EPA. No hazardous waste activity reported by NYS.				

CHEMICAL STORAGE FACILITIES IDENTIFIED WITHIN THE 1/8 MILE SEARCH RADIUS

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 244 **AMSTERDAM BUS DEPOT** **Facility Id 2-000288**
1381 AMSTERDAM AVENUE NEW YORK, NY 10027

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 257 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Expiration Date of the facility's registration certificate: 08/11/2003
Owner Name: NEW YORK CITY TRANSIT
Owner Address: 370 JAY STREET ROOM 819 BROOKLYN, NY 11201
Operator Name: NEW YORK CITY TRANSIT Facility Phone #: (212) 690-9602
Site Status: ACTIVE Site Type: MUNICIPALITY

TANK NUMBER	TANK STATUS	CHEMICAL NAME	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	DATE CLOSED
CBS-AMS-1	CLOSED-REMOVED	ETHYLENE GLYCOL	550	ABOVEGROUND	01/63	11/99
CBS-AMS-2	CLOSED-REMOVED	ETHYLENE GLYCOL	550	ABOVEGROUND	01/63	00/96
CBS-AMS-3	CONVERTED-NONREGULAT	ETHYLENE GLYCOL	500	ABOVEGROUND	12/91	12/99
CBS-AMS-4	IN SERVICE	ETHYLENE GLYCOL	500	ABOVEGROUND	11/99	
The following tank(s) were either deleted from the reported data or the number was re-assigned.						
1	IN SERVICE	ETHYLENE GLYCOL	550	ABOVEGROUND	01/63	
2	IN SERVICE	ETHYLENE GLYCOL	550	ABOVEGROUND	01/63	
3	IN SERVICE	ETHYLENE GLYCOL	500	ABOVEGROUND	12/91	

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
ETHYLENE GLYCOL	107211	X	X	X	X	X	50 ug/L

NO HISTORIC UTILITY SITES IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS

NO HAZARDOUS SUBSTANCE WASTE DISPOSAL SITES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

TOXIC AIR, LAND AND WATER RELEASES IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 245 **AMSTERDAM BUS DEPOT** **EPA Tri Id: 10027MSTRD1381A**
1381 AMSTERDAM AVE. NEW YORK, NY 10027 SOURCE: EPA
Mail Name:
Mail Address: NEW YORK, NY 10027

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 257 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

EPA Facility Status: OPEN
Public Contact: M. NELSON
Public Contact Phone #: (212) 690-9589

CHEMICAL NAME	AMOUNT (LBS/YR)	YEAR	RELEASE TYPE	MAXIMUM AMOUNT STORED (LBS)
ETHYLENE GLYCOL	9500	1997	Transfer to Waste Broker-Recycling	10000 to 99999

NO WASTEWATER DISCHARGES IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS

AIR DISCHARGE FACILITIES IDENTIFIED WITHIN THE 1/8 MILE SEARCH RADIUS

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 246 **NYCTA - AMSTERDAM BUS DEPOT** **Facility Id: 36061HA0PX** **State-county CDS Id: 36061HA0PX**
1381 AMSTERDAM AVENUE NEW YORK, NY 10027 State-county NED id:

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (P2)
Approximate distance from property: 257 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

CDS-ID: HA0PX NED-ID: None Given EPA-ID: None Given FINDS-ID: None Given
Plant Phone #1: None Given Plant Phone #2: None Given
Operating Status: OPERATING
EPA Classification:
State Classification: ACTUAL OR POTENTIAL EMISSIONS ARE ABOVE THE APPLICABLE MAJOR SOURCE THRESHOLDS
EPA Plant Compliance Status:
State Plant Compliance Status: IN COMPLIANCE - CERTIFICATION

AIR PROGRAM INFORMATION
Regulatory Air Program: TITLE V PERMITS Program Status: OPERATING

POLLUTANT INFORMATION
Pollutant: NITROGEN DIOXIDE
State Pollutant Compliance for this pollutant: IN COMPLIANCE - CERTIFICATION

NO CIVIL & ADMINISTRATIVE ENFORCEMENT DOCKET FACILITIES IDENTIFIED WITHIN THE 1/8 MILE SEARCH RADIUS

NO NYC ENVIRONMENTAL QUALITY REVIEW REQUIREMENTS - "E" DESIGNATION SITES IDENTIFIED WITHIN 250 FT SEARCH RADIUS

U.S. EPA EMERGENCY RESPONSE NOTIFICATION SYSTEM (ERNS)
AT THE LOCATION OR POTENTIALLY AT THE LOCATION OF
487 West 129th Street
New York, NY 10027

* Any ERNS Spills listed below are NOT mapped in this report *

ONSITE ERNS (A count of these spills can be found in the distance interval table):
THIS SITE IS NOT FOUND IN THE ERNS DATABASE

POTENTIALLY ONSITE ERNS:
THIS SITE IS NOT FOUND IN THE ERNS DATABASE

Copyright 2007 Toxics Targeting, Inc. November 01, 2007 ’487 West 129th Street’

Unmappable facilities for ’New York’ County

NPL/CERCLIS/NYSDEC Inactive Haz. Waste or Reg. Qual. Sites

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
NYD980531578	LEROY SHOT & LEAD WORKS	UNKNOWN	NEW YORK	UNKNOWN

Solid Waste Facilities

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
31D01	CENTRAL PARK DEMO			UNKNOWN
31D02	PENN CENTRAL DEMO			UNKNOWN
31T06	N.Y. CARTING T.S.			UNKNOWN
		WEST 96TH ST. TO W.116 ST. & R	MANHATTAN	UNKNOWN
		HILLSIDE AVE. & 111TH ST.	MANHATTAN	UNKNOWN
31T01	NYCDOS W. 135TH ST. MTS	WEST 135 STREET	NEW YORK	10031

Hazardous Spills − TANK TEST FAILURES − Active

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
0515023	NYC PARKS	122 ND & 5TH AVE	MANHATTAN	UNKNOWN
9004604	COLUMBIA UNIVERSITY	530 WEST 120TH STREET	NEW YORK	10027
9001811	PIER #192	PORT AUTHORITY PIER #192	NEW YORK	UNKNOWN

Hazardous Spills − UNKNOWN CAUSE OR OTHER CAUSES − Active

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
0402835	UNKNOWN CON ED STRUCTURE	NORTHEAST CORNER AND EAST	MANHATTAN	UNKNOWN

Hazardous Spills − MISC. SPILL CAUSES − Active

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
0108708	COLUMBIA UNIVERSITY	500 W 120TH ST	NEW YORK	10027
9930008	VARIOUS LOCATIONS DRUMS	DRUMS VARIOUS LOCATIONS	NEW YORK CITY (5 BOROS)	UNKNOWN

Hazardous Spills − TANK FAILURES − Closed

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
0507616	AQAUDIC AREA	679 RIVERSIDE DR	MANHATTAN	10031
0011524	COLUMBIA UNIVERSITY	530 WEST 120TH STREET	NEW YORK	10027

Hazardous Spills − TANK TEST FAILURES − Closed

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
0203324	NYC TRANSIT AUTH	132E & W 132ND ST	NEW YORK	UNKNOWN

Hazardous Spills − UNKNOWN CAUSE OR OTHER CAUSES − Closed

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
0613689	COLUMBIA COLLEGE DORM	531 WEST 120TH STREET	BRONX	10027
0209904	VARIOUS DEP −BWSO SITES	MISC.	BRONX/QUEENS/MANHATTAN	UNKNOWN
0607587	DUMPSTER	134 WYTHE AVE	BROOKLYN	UNKNOWN
9909356	MANHOLE 42241	CENTER ISLAND & PARK RD	MANHATTAN	UNKNOWN
9704385	HUDSON RIVER AREA OF	122ND ST & HUDSON RIVER	MANHATTAN	10027
9500426	830 5TH AVENUE	830 5TH AVENUE	MANHATTAN	UNKNOWN
9311836	137TH & 136TH STREET	137TH & 136TH STREET	MANHATTAN	10031
9310040	BET. 134TH ST & 145TH ST.	BET. 134TH ST & 145TH ST	MANHATTAN	10031
9307242	BRIDGE TO B‘WAY.EXPRESSWA	BRIDGE TO B‘WAY.EXPRESSWA	MANHATTAN	UNKNOWN
9209836	HENRY HUDSON PKWY.	HENRY HUDSON PKWY.	MANHATTAN	UNKNOWN
9006769	RESTAURANT/UNK ADDRESS	UNKNOWN	MANHATTAN	UNKNOWN
8504758	MANHATTAN	MANHATTAN	MANHATTAN	UNKNOWN
8503796	MANHATTAN	MANHATTAN	MANHATTAN	UNKNOWN
8503779	MANHATTAN	MANHATTAN	MANHATTAN	UNKNOWN
8503506	MANHATTAN	MANHATTAN	MANHATTAN	UNKNOWN
8503421	MANHATTAN	MANHATTAN, EAST RIVER	MANHATTAN	WHR10

8503366	MANHATTAN, NYC	MANHATTAN, HUDSON RIVER	MANHATTAN	WHR10
8503301	MANHATTAN	MANHATTAN	MANHATTAN	UNKNOWN
8503107	MANHATTAN	MANHATTAN	MANHATTAN	UNKNOWN
0609717	BLDG	123RD ST	MANHATTAN	UNKNOWN
0512484	HUDSON RIVER	WEST 130-196TH ST	MANHATTAN	UNKNOWN
0502491	MANHOLE #31256	75 FT EAST OF 9TH AVE, DI	MANHATTAN	UNKNOWN
0312667	MANHOLE #28166	BROADWAY ST NE CORNER	MANHATTAN	UNKNOWN
0310936	VAULT 1460	ST NICHOLAS	MANHATTAN	UNKNOWN
0301650	CONSTRUCTION SITE	NW CORNER OF 125TH STREET	MANHATTAN	UNKNOWN
0211245	APARTMENT BUILDING	204 121ST ST	MANHATTAN	UNKNOWN
0209669		EXTERIOR AV/BROADWAY	MANHATTAN	UNKNOWN
0000359	M60606 MANHOLE	W 11TH ST & ST NICHOLAS	MANHATTAN	UNKNOWN
9905530	VARIOUS LOCAIONS	CITY AND WESTCHESTER	NEW YORK	UNKNOWN
8907255	HERTZ RENT A CAR/MANH		NEW YORK	UNKNOWN
8604519	NEW YORK	NEW YORK	NEW YORK	UNKNOWN
0406845		BAYWAY TERMINAL-LINDEN NJ	NEW YORK	UNKNOWN
0210329	OSTANKINO	NEW YORK	NEW YORK	UNKNOWN
0210315	PEARLMAR	NEW YORK	NEW YORK	UNKNOWN
0110864	ON MARIA KNUTSEN VESSEL	KINDER MORGAN DOCK 4	NEW YORK	UNKNOWN
9100193	135 & 145TH ST/MANH	135 & 145TH STREETS	NEW YORK CITY	UNKNOWN
8606984	UNKNOWN ADDRESS !	UNKNOWN	NEW YORK CITY	UNKNOWN
0402552		BROADWAY	NEW YORK CITY	UNKNOWN
0607243	NURSING HOME	900 MAIN STREET	QUEENS	UNKNOWN
8607173	UNK	UNKNOWN	UNKNOWN	UNKNOWN

Hazardous Spills - MISC. SPILL CAUSES - Closed

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
9907607	CANAL	SANITATION	MANHATTAN	UNKNOWN
9713418	UNKNOWN	UNKNOWN	MANHATTAN	UNKNOWN
9515802	EDGECOMG AVENUE	EDGECOMB AVENUE	MANHATTAN	UNKNOWN
9402295	LOWER LEVEL EB #12	LOWER LEVER EB #12	MANHATTAN	UNKNOWN
9310279	WESTSIDE HWY.	WESTSIDE HIGHWAY	MANHATTAN	UNKNOWN
9305525	138TH ST 145TH STREET	138TH ST 145TH STREET	MANHATTAN	10031
9300535	138TH ST	138TH ST	MANHATTAN	UNKNOWN
9300493	W 123RD ST	W 123RD ST	MANHATTAN	10027
8701523	WEST 138TH STREET & 12TH	W.138TH STREET/12TH AVE.	MANHATTAN	10031
0506125	VERRAZANO BRIDGE	NO STREET ADDRESS	MANHATTAN	UNKNOWN
0500954	FRONT OF	25 GRANITE STREET	MANHATTAN	UNKNOWN
0500598	NEW YORK HARBOR	NEW HARBOR	MANHATTAN	UNKNOWN
0401661	MANHATTAN GRID CHAMBER	MAHATTAN GRID	MANHATTAN	UNKNOWN
0401520	MANHATTAN GRID CHAMBER	MANHATTAN GRID CHAMBER	MANHATTAN	UNKNOWN
0312976	SUBSTATION	W 30TH	MANHATTAN	UNKNOWN
0310161	W132 ST SUBSTATION	WEST 132ND STREET	MANHATTAN	10027
0307439	HUDSON RIVER	HUDSON RIVER WAY	MANHATTAN	UNKNOWN
0109602	WESTSIDE PLAZA	NO ADDRESS(WESTSIDE PLAZA	MANHATTAN	UNKNOWN
0013621	PIER 45	NORTH RIVER	MANHATTAN	UNKNOWN
0012765	BETWEEN W49TH SUBSTATION	& SPRAINBROOK SUBSTATION	MANHATTAN	UNKNOWN
0012094	NORTH SVC RD FDR DR	COLUMN 28B	MANHATTAN	UNKNOWN
9900825	COLUMBIA UNIVERSITY	530 WEST 120TH STREET	NEW YORK	10027
9814801	COLUMBIA UNIVERSITY	530 WEST 120TH STREET	NEW YORK	10027
9814799	COLUMBIA UNIVERSITY	530 WEST 120TH ST	NEW YORK	10027
9808341	COLUMBIA UNIVERSITY	530 WEST 120TH STREET	NEW YORK	10027
8808837	COLUMBIA UNIVERSITY	530 WEST 120TH STREET	NEW YORK	10027
8803191	COLUMBIA UNIVERSITY	530 WEST 120TH STREET	NEW YORK	10027
8800236	COLUMBIA UNIVERSITY	530 WEST 120TH STREET	NEW YORK	10027
8710769	COLUMBIA UNIVERISTY	530 WEST 120TH STREET	NEW YORK	10027
8603393	137TH ST & W SIDE DR	137TH ST & W SIDE DR	NEW YORK	10031
0409938	NEW YORK IM TTDOCK A	NEW YORK IM TT DOCK	NEW YORK	UNKNOWN
0310659	GREYSEND ANCHORAGE PORT	UNKNOWN	NEW YORK	UNKNOWN
0210014	COLUMBIA UNIVERSITY	530 WEST 120TH STREET	NEW YORK	10027

0011510	COLUMBIA UNIVERSITY	500 W 120TH ST	NEW YORK	10027
9606764	FEEDER #71	DUNWOODIE TO RAINEY	NEW YORK CITY	UNKNOWN
8606929	HUDSON RIVER NYC./ CHLORI	HUDSON RIV. 138TH-145THST	NEW YORK CITY	10031
8606167	RAW SEWAGE /138-145TH ST.	138TH-145TH ST.	NEW YORK CITY	10031
8605456	COLUMBIA UNIVERSITY	530 WEST 120TH STREET	NEW YORK CITY	10027
8709919	REGULATOR N-10	I.N.D. SUBWAY YORK	NORTH RIVER	10031
8701984	W.138TH ST. & W.145TH ST.	W.138TH ST./W.145TH ST.	NORTH RIVER PLANT	10031
0402464	IN FLIGHT	AIR	NY	UNKNOWN
0603661	ROOSEVELT ISLAND CLEANERS	571 MAIN ST	ROOSEVELT ISLAND	UNKNOWN
9501840	UNKNOWN LOCATION	UNKNOWN LOCATION	WESTCHESTER	UNKNOWN

Petroleum Bulk Storage Facilities

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
2-055514	THE CITY COLLEGE	CONVENT AVE / W 140TH ST (139TH)	NEW YORK	UNKNOWN
2-474916	MANHATTANVILLE HOUSES	1430 AMSTERDAM AVENUE	NEW YORK	10027
2-601456	CITY COLLEGE OF NEW YORK	CONVENT AVENUE AND 138TH STREET	NEW YORK	UNKNOWN
2-606868	5 EAST STREET	5 E STREET	NEW YORK	UNKNOWN
2-607936	CITY UNIVERSITY OF NEW YORK	89 CONVENT AVE	NEW YORK	UNKNOWN
NY01621	ARTHA MANAGEMENT INC.	122 LASALLE ST	NEW YORK	10027
NY07443	NYC FIRE		NEW YORK	UNKNOWN
2-157856	MOBIL S/S 1 JBWBT ARDOR GARAGE	MOBIL S/S 1 (JBWBT ARDOR GARAGE)	NY	UNKNOWN
2-601451	CITY COLLEGE OF NEW YORK	91 CONVENT AVE (PK GYM)	NY	UNKNOWN

Hazardous Waste Generation or Transport Facilities

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
NYN20002A347				UNKNOWN
NYP004020145	CONSOLIDATED EDISON CO	V5391 AMSTERDAM		UNKNOWN
NYP004037867	CONSOLIDATED EDISON	V2801-W 395TH ST	MANHATTAN	UNKNOWN
NYP004056701	CONSOLIDATED EDISON	N/S	MANHATTAN	UNKNOWN
NY0000010363	NYCDOT	N/S	N/S	UNKNOWN
NYP004077467	CONSOLIDATED EDISON	MH37962-SAINT JOHN	N/S	UNKNOWN
NY0005000575	JOHN DOE	DELETE	NEW YORK	UNKNOWN
NYD004064622	CONSOLIDATED EDISON	N/S	NEW YORK	UNKNOWN
NYD981487226	CITY COLLEGE OF NY	138TH ST & CONVENT AVE	NEW YORK	UNKNOWN
NYP000007732	NYCTA	N/S	NEW YORK	UNKNOWN
NYP000918558	NYCTA	N/S	NEW YORK	UNKNOWN
NYP000945428	BELL ATLANTIC-NY	SW CORNER AMSTERDAM AVE & W	NEW YORK	UNKNOWN
NYP004020566	CONSOLIDATED EDISON	V5715-READERS DIGEST	NEW YORK	UNKNOWN
NYP004033411	CONSOLIDATED EDISON	V0155	NEW YORK	UNKNOWN
NYP004039633	CONSOLIDATED EDISON	VS0618-N/S	NEW YORK	UNKNOWN
NYP004048708	CONSOLIDATED EDISON	614145 M E	NEW YORK	UNKNOWN
NYP004050092	CONSOLIDATED EDISON	V5105-F/O 101 WHO ST	NEW YORK	UNKNOWN
NYP004066361	CONSOLIDATED EDISON	V4661-DEAN 23RD AVE	NEW YORK	UNKNOWN
NYP004066676	CONSOLIDATED EDISON	MH61062	NEW YORK	UNKNOWN
NYP004068078	CONSOLIDATED EDISON	TM3481	NEW YORK	UNKNOWN
NYP004070488	CONSOLIDATED EDISON	MH24669-AMSTERDAM AVE	NEW YORK	UNKNOWN
NYP004071809	CONSOLIDATED EDIDSON	MH24751-WAY ST & AMSTERDAM ST	NEW YORK	UNKNOWN
NYP004072153	CONSOLIDATED EDISON	MH73305	NEW YORK	UNKNOWN
NYP004076295	CONSOLIDATED EDISON	MH27243-BROWN	NEW YORK	UNKNOWN
NYP004083804	CONSOLIDATED EDISON	BER BOX 54269	NEW YORK	UNKNOWN
NYP004100384	CONSOLIDATED EDISON	136 N MAIN ST	NEW YORK	UNKNOWN
NYP004703834	CONSOLIDATED EDISON	MH26764	NEW YORK	UNKNOWN
NYP010001956	NYCDEP	AMSTERDAM AVENUE	NEW YORK	UNKNOWN
NYR000053074	NYC HOUSING AUTHORITY	555 W 126TH ST	NEW YORK	10027
NYP004004578	CONSOLIDATED EDISON	V2586 - 10 AVE	QUEENS	10019

Hazardous Substance Waste Sites

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
NY0081	ROUTE 9A - MANHATTAN	WEST SIDE HIGHWAY	NEW YORK CITY	UNKNOWN

Wastewater Discharges

FACILITY ID	FACILITY NAME		STREET	CITY	ZIP
NY0200794					UNKNOWN
NYU200032	CONSOLIDATED EDISON COMPANY				UNKNOWN

Air Releases

FACILITY ID	FACILITY NAME		STREET	CITY	ZIP
3606100080	NYCHA-FOSTER HOUSING		NO STREET ADDRESS	NEW YORK	UNKNOWN
3606100086	NYSDA-CITY COLLEGE		138 STR @ CONVENT AVE	NEW YORK	UNKNOWN
3606100129	NAVY DIST COMMANDER		NO STREET ADDRESS	NEW YORK	UNKNOWN
3606100132	NAVAL RECRUIT STA		NO STREET ADDRESS	NEW YORK	UNKNOWN
3606100495	FEILER BROS CORP		ROOM 1700	NEW YORK	UNKNOWN
3606100552	ACADEMY CONSTRUCTION		NO STREET ADDRESS	NEW YORK	UNKNOWN
3606180051	FEILER BROS CORP		ROOM 1700	NEW YORK	UNKNOWN
3606100558	SOS INTERNATIONAL		BOX 2976 CHURCH STAT	NEW YORK CITY	UNKNOWN
NY061X0NP	MIDTOWN HOLDING CO	NEW YORK	NO STREET ADDRESS	NO CITY NAME	UNKNOWN
NY061X2DR	UNIHAB CO	NEW YORK	NO STREET ADDRESS	NO CITY NAME	UNKNOWN
NY061X351	ESTATE OF ADOLPH TAUSIK	NEW YORK	NO STREET ADDRESS	NO CITY NAME	UNKNOWN
NY061X5WJ	101 COOPER ST CO	NEW YORK	NO STREET ADDRESS	NO CITY NAME	UNKNOWN

Hazardous waste codes presented in individual Toxic Information Profiles are defined below.

B002 Petroleum oil or other liquid containing 50 ppm or greater of PCBs but less than 500 ppm PCBs. This includes oil from electrical equipment whose PCB concentration is unknown, except for circuit breakers, reclosers and cable.

B003 Petroleum oil or other liquid containing 500 ppm or greater of PCBs.

B007 Other PCB Wastes including contaminated soil, solids, sludges, clothing, rags, and dredge material.

D001 Solid waste that exhibits the characteristic of ignitability, but is not listed under any other hazardous waste code.

D002 Solid waste that exhibits the characteristic of corrosivity, but is not listed under any other hazardous waste code.

D006 Cadmium

D008 Lead

D009 Mercury

F002 The following spent halogenated solvents: Tetrachloroethylene, methylene chloride, trichloroethylene, 1,1,1-trichloroethane, chlorobenzene, 1,1,2-trichloro-1,2,2-trifluoroethane, ortho-dichlorobenzene, trichlorofluoromethane, and 1,1,2-trichloroethane; all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the above halogenated solvents or those listed in F001, F004, or F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures. (T)

F005 The following spent non-halogenated solvents: Toluene, methyl ethyl ketone, carbon disulfide, isobutanol, pyridine, benzene, 2-ethoxyethanol, and 2-nitropropane; all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the above non-halogenated solvents or those solvents listed in F001, F002, or F004; and still bottoms from the recovery of these spent solvents and spent solvent mixtures. (I,T)

X726

Source: U. S. Environmental Protection Agency

How Toxic Site Locations Are Mapped

Toxics Targeting maps toxic site locations on a computerized version of the U. S. Census map using addresses and map coordinates provided by site owners/operators or government agencies. In order to allow site locations to be verified independently, the information used to map each site is presented in the first section of each *Toxic Site Profile,* along with a description of the mapping technique used and any address corrections that were made in order to locate toxic sites with incomplete or inadequate site location information. The mapping process is explained below.

Map Identification Number: 12 Site Name: Acme World Manufacturing, Inc.

Site Address: 55 Main Street Anytown, NY 11797

MAP LOCATION INFORMATION

Site location mapped by:

Address Matching

1) Most toxic sites are mapped by matching addresses provided by site owners/operators or government agencies with locations on a computerized version of the U. S. Census map. These site locations are identified "address-matched."

Note: Some sites have an address match location <u>and</u> a map coordinate location. Both locations are mapped because they can be equally correct.

or Map Coordinate

2) Some toxic sites are located using map coordinates provided by site owners/operators or governnent agencies. These site locations are identified "map coordinate." <u>Map coordinates for Toxics Wastewater Discharges, Toxic Release Inventory sites and Major Oil Storage Facilities should be considered suspect</u> .

or Manual Mapping

or Site Visit

3) Incomplete addresses or map coordinates require some site locations to be determined by commercial street maps (manual mapping), site visits, map coordinates from other databases and address location services. Application of any of these methods is identified accordingly.

ADDRESS CHANGE INFORMATION

Revised Street: NO CHANGE

Revised zip code: NO CHANGE

4) Site addresses are sometimes corrected to eliminate obvious errors that prevent sites from being mapped. All address corrections are noted here.

Information Source Guide

Toxics Targeting's Environmental Reports contain government and other information compiled on 21 categories of reported known or potential toxic sites. Each toxic site database is described below with information detailing a) the source of the information, b) the date when each database is covered to and c) when *Toxics Targeting* obtained the information..

1) **National Priority List for Federal Superfund Cleanup:** Toxic sites nominated for cleanup under the Federal Superfund program. Annual compilation of special two-page detailed profiles of NPL sites. Also includes delisted NPL sites.
ASTM required.* Fannie Mae required.** Source: U. S. Environmental Protection Agency.[1]
Data attributes updated from: 3/14/2007. Data obtained by Toxics Targeting: 3/14/2007.
New Facilities updated through: 3/14/2007. Data obtained by Toxics Targeting: 3/14/2007.

2) **Inactive Hazardous Waste Disposal Site Registry**: New York State database that maintains information and aids decision making regarding the investigation and cleanup of toxic sites. The Registry's data includes two-page profiles noting site name, ID number, description, classification, cleanup status, types of cleanup, owner information, types and quantities of contaminants, and assessment of health and environmental problems. Also included are sites that qualify for possible inclusion on the Registry. These Registry Qualifying sites may or may not be on the Site Registry.
ASTM required.* Fannie Mae required.** Source: New York State Department of Environmental Conservation.[2]
Data attributes updated through: 8/15/2007. Data obtained by Toxics Targeting: 8/16/2007.
New Facilities updated to: 8/15/2007. Data obtained by Toxics Targeting: 8/16/2007.

3) **Corrective Action Activity (CORRACTS):** U. S. Environmental Protection Agency database of hazardous facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA).
ASTM required.* Fannie Mae required.** Source: U. S. Environmental Protection Agency[1]
Data attributes updated through: 6/6/2006. Data obtained by Toxics Targeting: 6/16/2006.
New facilities updated through: 6/6/2006. Data obtained by Toxics Targeting: 6/16/2006.

4) **CERCLIS**: Toxic sites listed in the Federal Comprehensive Environmental Response, Compensation and Liability Information System. No Further Remedial Action Planned (NFRAP) sites are also included.
ASTM required.* Fannie Mae required.** Source: U. S. Environmental Protection Agency.[1]
Data attributes updated through: 3/07/2007. Data obtained by Toxics Targeting: 3/26/2007.
New Facilities updated through: 3/07/2007. Data obtained by Toxics Targeting: 3/26/2007.

5) **Brownfield Programs:** NYS programs for sites that are abandoned, idled or under-used industrial and/or commercial sites where expansion or redevelopment is complicated by real or perceived environmental contamination.
ASTM required.* Source: New York State Department of Environmental Conservation.[2]
Data attributes updated through: 8/15/2007. Data obtained by Toxics Targeting: 8/16/2007.
New Facilities updated to: 8/15/2007. Data obtained by Toxics Targeting: 8/16/2007.

(a) Brownfield Cleanup Program (BCP)
(b) Voluntary Cleanup Program (VCP)
(c) Environmental Restoration Program (ERP)

6) **Solid Waste Facilities:** NYS database of solid waste facilities, including, but not limited to, landfills, incinerators, transfer stations, recycling centers.
ASTM required.* Fannie Mae required.** Source: New York State Department of Environmental Conservation.[2]
Data updated to: 12/31/2001. Data obtained by Toxics Targeting: 3/16/2002.

Also includes a listing of solid waste disposal sites operated by New York City municipal authorities circa 1934.
Source: City of New York Department of Sanitation (1984). Waste Disposal Problem in New York City: A Proposal For Action.

7) **RCRA Hazardous Waste Treatment, Storage or Disposal Facility Databases:**

(a) **Manifest Information:** New York State database of hazardous waste facilities and shipments regulated by the DEC's Bureau of Hazardous Waste Facility Compliance pursuant to NYS Law and the Resource Conservation and Recovery Act (RCRA).
ASTM required.* Fannie Mae required.** Source: New York State Department of Environmental Conservation.[2]

New facilities updated through: 7/6/2006. New facilities obtained by Toxics Targeting: 7/10/2006.
Manifest transactions data updated to: 7/6/2006. Manifest transactions data obtained by Toxics Targeting: 7/10/2006.

(b) **RCRA Notifier & Violations Information:** U. S. Environmental Protection Agency database of hazardous facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA).
ASTM required.* Fannie Mae required.** Source: U. S. Environmental Protection Agency[1]
New facilities updated through: 6/6/2006. Data obtained by Toxics Targeting: 6/16/2006.
Data attributes updated through: 6/6/2006. Data obtained by Toxics Targeting: 6/16/2006.

8) **Spills Information Database**: Spills reported to the DEC as required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from Petroleum Bulk Storage Regulations) or 6 NYCRR Section 595.2 (from Chemical Bulk Storage Regulations). The database includes *active* and *closed* spills reported on or before 7/11/2007.
ASTM required.* Fannie Mae.** Source: NYS Department of Environmental Conservation.[2]

Spill attribute data through: 711/2007 New spills through: 7/11/2007

Active spills: paperwork not completed. Closed spills: paperwork completed.
Both active and closed spills may or may not have been cleaned up (see Date Cleanup Ceased in spill profiles).

9) **Major Oil Storage Facilities:** NYS database of facilities licensed pursuant The to Article 12 of the Navigation Law, 6NYCRR Parts 610 and 17NYCRR Part 30, such as onshore facilities or vessels, with petroleum storage capacities equal to or greater than four hundred thousand gallons. **Data withheld by the NYSDEC as of 4/1/2002**.
ASTM required.* Fannie Mae required.** Source: New York State Department of Environmental Conservation.[2]

New facilities updated through: 1/1/2002. New facilities data obtained by Toxics Targeting: 1/11/2002.
Tank data updated through: 1/1/2002. Tank data obtained by Toxics Targeting: 1/11/2002.

10) **Petroleum Bulk Storage Facilities:** Local and State databases of aboveground and underground petroleum storage facilities with a combined storage capacity over 1,100 gallons.
ASTM required.* Fannie Mae required.** Source: NYS Department of Environmental Conservation.[2]

All New York Counties except Cortland, Nassau, Rockland, Suffolk, and Westchester:
New facilities updated through: 4/2/2007. Data obtained: 4/5/2007.
Tank data updated through: 4/2/2007. Data obtained by Toxics Targeting: 4/5/2007.

11) **RCRA Hazardous Waste Generators and/or Transporters Databases:**

(a) **Manifest Information:** New York State database of hazardous waste facilities and shipments regulated by the NYS Department of Environmental Conservation's Bureau of Hazardous Waste Facility Compliance pursuant to New York State Law.
ASTM required.* Fannie Mae required.** Source: New York State Department of Environmental Conservation.[2]

New facilities updated through: 7/6/2006. New facilities obtained by Toxics Targeting: 7/10/2006.
Manifest transactions data updated to: 7/6/2006. Manifest transactions data obtained by Toxics Targeting: 7/10/2006.

(b) **RCRA Notifier & Violations Information:** U. S. Environmental Protection Agency database of hazardous facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA).
ASTM required.* Fannie Mae required.** Source: U. S. Environmental Protection Agency[1]

New facilities updated through: 6/6/2006. Data obtained by Toxics Targeting: 6/16/2006.
Data attributes updated through: 6/6/2006. Data obtained by Toxics Targeting: 6/16/2006.

12) **Chemical Bulk Storage Facilities**: New York State database of facilities compiled pursuant to 6NYCRR Part 596 that store regulated substances listed in 6NYCRR Part 597 in aboveground tanks with capacities greater than 185 gallons and /or in underground tanks of any size. **Data withheld by NYSDEC as of 4/1/2002**.
ASTM required.* Fannie Mae required.** Source: New York State Department of Environmental Conservation.[2]
Data updated through: 1/1/2002. Data obtained by Toxics Targeting: 1/11/2002.

13) **Historic New York City Utility Facilities (1898 to 1950)**: An inventory of selected power generating stations, manufactured gas plants, gas storage facilities, maintenance yards and other gas and electric utility sites identified in various historic documents, maps and annual reports of New York utility companies, including: Sanborn Fire Insurance Maps of NYC (1898-1950); Consolidated Edison Co. Annual Reports (1922-1939); Consolidated Edison Co. Map: "Boroughs of Manhattan and the Bronx Showing Distribution Mains of the New York Edison Co.," (1922); and Consolidated Edison document: "Generating and Annex Stations," (1911).

14) **Hazardous Substance Waste Disposal Site Study:** NYS database of waste disposal sites that may pose threats to public health or the environment, but could not be remediated using monies from the Hazardous Waste Remedial Fund.
Source: New York State Department of Environmental Conservation.[2]
Data updated to: 5/16/2000. Data obtained by Toxics Targeting: 5/16/2000.

15) **Toxic Release Inventory (TRI)**: Federal database of manufacturing facilities required under Section 313 of the Federal Emergency Planning and Community Right-to-Know Act to report releases to the air, water and land of any specifically listed toxic chemical. See Fannie Mae requirement** below.
Source: U. S. Environmental Protection Agency.[1] / NYS Department of Environmental Conservation[2]
Data updated through: 3/8/2004. Data obtained by Toxics Targeting: 3/25/2004

16) **Toxic Wastewater Discharges (Permit Compliance System)**: Federal database of discharges of wastewater to surface waters and groundwaters. See Fannie Mae requirement** below. Source: U. S. Environmental Protection Agency.[1]
Data updated through: 6/17/2004. Data obtained by Toxics Targeting: 7/19/2004.

17) **Air Discharge Facilities**: EPA AIRS database containing address information on each air emission facility and the type of air pollutant emission it is. Compliance information is also provided on each pollutant as well as the facility itself.
See Fannie Mae requirement** below. Source: U. S. Environmental Protection Agency[1]
Data updated through: 11/24/1999. Data obtained by Toxics Targeting: 1/6/2000

18) **Civil Enforcement & Administrative Docket**: This database is the U. S. EPA's system for tracking administrative and civil judiciary cases filed on behalf of the agency by the Department of Justice. Fannie Mae required.**
Source: U. S. Environmental Protection Agency.[1]
New Sites through: 10/14/1999.
Data updated through: 10/14/1999. Data obtained by Toxics Targeting: 11/18/1999.

19) **New York City Environmental Quality Review (CEQR) – E Designation Sites:** These sites are parcels assigned a special environmental ("E") designation under the CEQR process. E designation requires specific protocols that must be followed. Source: New York City Department of Planning[3]
Data updated through: 8/16/2006. Data obtained by Toxics Targeting: 11/01/2006

20) **New York City Fire Department Tank Data**.
Source: New York City Fire Department. Data obtained by Toxics Targeting: 2/13/1997

21) **Emergency Response Notification System (ERNS)**: Federal database of spills compiled by the Emergency Response Notification System. On-site searches only.
ASTM required.* See Fannie Mae requirement** below. Source: U. S. Environmental Protection Agency.[1]
Data updated through: 1/31/2000. Data obtained by Toxics Targeting: 2/15/2000

* American Society of Testing Materials: Standard Practice on Environmental Site Assessments: Phase I Environmental Site Assessment Process (E1527-05).

** Fannie Mae's Part X Environmental Hazards Management Procedures specify 1.0 mile searches for "any state or Federal list of hazardous waste sites (e.g. CERCLIS, HWDMS etc.)." Searches for the property and adjacent properties are specified for "chemical manufacturing plants," "obvious high risk neighbors engaging in storing or transporting hazardous waste, chemicals or substances" and "...any documented or visible evidence of dangerous waste handling... (e.g. stressed vegetation, stained soil, open or leaking containers, foul fumes or smells, oily ponds, etc." Searches for property and adjacent properties can include sites up to a quarter mile away (W. Hayward, Director, Multi-Family Business Planning and Control, Fannie Mae, personal communication, 5/94).

[1]U. S. Environmental Protection Agency, 290 Broadway, NY, NY 10007-1866.

[2]NYS Department of Environmental Conservation, 625 Broadway, Albany, NY 12233.

[3]New York City Department of City Planning, 22 Reade St, New York, NY 10007-1216

The City of New York

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DIAL 311 Government Information and Services for NYC

March 21, 2008

Robert Dobruskin
Director, Environmental Assessment and Review
New York City Department of City Planning
22 Reade Street, Room 4E
New York, NY 10007

Re: West 129th Street Rezoning
Block 1969, Lots 1 - 6, 12, 19, 65, 66, 68, 78 - 81 & 104
07DCP076M/ 08DEPTECH069M

Dear Mr. Dobruskin:

The New York City Department of Environmental Protection Bureau of Environmental Planning and Analysis (DEP) has reviewed the May 2007 Environmental Assessment Statement (EAS) prepared by Warren & Panzer Engineers, P.C. as well as the November 2007 Phase I Environmental Site Assessment (ESA) prepared by AKRF for the above referenced project. It is our understanding that the applicant is seeking to rezone Block 1969 from the existing manufacturing M1-1 and R7-2 zones to a R7A zone. The existing structure used as a warehouse would be demolished prior to starting the proposed project. The C1-4 overlay along Amsterdam Avenue would remain. The rezoning would permit development at a floor area ratio of 4.0 and would facilitate construction of a 9-story residential building with approximately 130 units and 63 accessory parking spaces on Lots 5 and 6. Soil disturbance would be required during the proposed construction project. The project site is located in Manhattan Community District 10.

The Phase I prepared by AKRF identified several potential on-site/off-site environmental concerns from historic on-site/off-site land uses that have most likely impacted the soil/groundwater at the subject site. Some of these environmental concerns included potential on-site USEPA Class V Injection wells, presence of urban fill material, Asbestos Containing Material, lead-based paint, PCB/mercury containing electrical components, aboveground storage tanks/underground storage tanks (ASTs/USTs) for fuel oil and gasoline storage, etc.

Based upon our review of the submitted documents, DEP has the following comments:

- As a result of Phase I findings, DEP has determined that an adequate soil and groundwater investigation must be completed across the lots 5 and 6. The soil and groundwater analytical findings from the requested site investigation will ensure that any subsequent remedial requirements to

reduce/eliminate all potential environmental/health risks for construction workers and current/future occupants of the site are identified as part of the environmental review for the proposed project. A Phase II Workplan and Health and Safety Plan should be prepared and submitted to DEP for review and approval prior to any investigation work.

- There are no current development plans for Lots 12, 19, and 68, the project/potential development sites, within the proposed rezoning area at this time. However, off-site and possible on-site land uses may have impacted the soil and groundwater at these parcels. Therefore, a Phase I and Phase II Environmental Site Assessment may be necessary to adequately identify/characterize the surface and subsurface soils of the subject parcels prior to on-site soil disturbance for any proposed renovation, new construction, etc. Since these parcels are not under the control of the applicant and access is unavailable, an "E" designation should be placed on the subject parcels which would require that the fee owner of an "E" designated site conduct a testing and sampling protocol, and remediation where appropriate, to the satisfaction of DEP before the issuance of a building permit by the Department of Buildings (pursuant to Section 11-15 of the Zoning Resolution-Environmental Requirements). The "E" designation also includes mandatory construction-related health and safety plans which must also be approved by the DEP. This will ensure protection of human health and the environment by requiring that suspected hazardous materials associated with these lots would be mitigated before future construction takes place.

Please include DEP tracking number 08DEPTECH069M on all future correspondence and submittals related to this project. If you have any questions, please contact Gosia Pawluszko at (718) 595-6450.

Sincerely,

Terrell Estesen
Director, Office of City Project Review

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487 West 129th Street

NEW YORK, NEW YORK

Subsurface (Phase II) Investigation

AKRF Project Number: 10825-0203

Prepared for:

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Prepared by:

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MARCH 2008

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1.0 INTRODUCTION

AKRF, Inc. (AKRF) conducted a subsurface (Phase II) investigation at the 487 West 129th Street property in Manhattan, New York (the Site). The Site is located on the north side of West 129th Street between Amsterdam Avenue and Convent Avenue, and is occupied by the vacant eastern half of a one-story warehouse. The western half of the warehouse is used for stage set storage. A site location map is provided as Figure 1.

The Phase II study was intended to determine whether past or present on- or off-site activities have adversely affected the subject property. The scope of the Phase II study was based on the findings of the Phase I Environmental Site Assessment (ESA) performed for the site by AKRF, Inc., dated November 19, 2007. The investigation was conducted on February 29, 2008 in accordance with the Sampling Protocol and Health and Safety Plan dated February 2008, and included the collection of soil samples for laboratory analysis at locations shown on Figure 2.

2.0 SITE BACKGROUND

2.1 Site Characterization

The site is located in the central portion of the block bounded by Convent Avenue to the east, West 129th Street to the south, Amsterdam Avenue to the west, and West 130th Street to the north, and comprises Lot 6 of Tax Block 1969. The site is approximately 100 feet wide (east-west) and 195 feet deep (north-south), is currently occupied by the eastern half of a one-story warehouse, and is vacant.

Based on a survey of the site conducted by Albert A. Bianco, Professional Land Surveyor, on April 16, 2005, the site is located at an elevation of approximately 36.4 feet (all elevations given relative to Manhattan borough datum). The north-adjacent sidewalk at West 130th Street is at an elevation of approximately 60.8 to 53.9 feet, above the floor of the subject building, and the building is set back from the north-adjacent sidewalk by about a foot, forming a gap between the sidewalk and the building wall. The differences in elevation between the north and south sides of the building are shown on Figure 3. Below the concrete floor, the top 4.5 to 6.5 feet of soil on the site is fill which consists mainly of sand with traces of gravel, silt, brick, concrete, ash and glass. In two borings, the fill was underlain by sand with traces of silt and gravel, which may be native soil. In the remaining three borings, refusal was encountered at shallow depths, apparently on bedrock.

Although groundwater was encountered in boring SB-2 at approximately 13 feet below grade, no groundwater could be recovered from the boring, which encountered refusal at approximately 14 feet below grade. Based on the shallow depth of refusal over most of the site and that groundwater was not encountered at any other testing location, this water most likely represents a perched water table on the bedrock; there appears to be no surficial groundwater table at the site.

2.2 Proposed Project

The proposed project involves the demolition of the on-site half of the existing one-story warehouse, and the construction of a new residential building with a ground-floor parking garage. Excavation for the proposed construction is expected to a depth of four feet below existing grade.

2.3 Previous Environmental Investigations

To identify potential sources of hazardous materials, a Phase I Environmental Site Assessment of the site was conducted by AKRF in November 2007. The Phase I identified Recognized

Environmental Conditions pertaining to past uses of the site as the Metropolitan Street Railway Company Third Avenue Division Power Station, and the Third Avenue Railway Company car house and repair shop; and past and present uses of the surrounding area, including properties with buried gasoline tanks and/or reported spills in an anticipated upgradient groundwater flow direction and/or in close proximity to the site. In addition, the Phase I noted the presence of floor drains that were suspect drywells. However, during the Phase II, pipes were observed in the floor drains. These pipes most likely connect to the municipal sewer system, and the floor drains are thus not drywells. After 1951, the site was used as a Metropolitan Opera Association warehouse.

NYC Buildings Department records included a 1941 Oil Burner Application and a 1949 Certificate of Occupancy for 495 West 129th Street (the collective address of the on-site and off-site warehouse halves) noted that the building had a boiler room in the cellar. Neither the cellar nor the boiler room was observed on-site, and no evidence of tanks was noted during the site visit or in regulatory databases. A cellar was observed in the off-site western half of the subject building, which contained the Metropolitan Opera warehouse. Although the warehouse employees interviewed during the Phase II had no knowledge of any tanks in the building, the suspect tank indicated by the Oil Burner Application may have been located in the off-site warehouse's cellar in the past.

3.0 FIELD ACTIVITIES

This section summarizes the site investigation activities. Field activities were conducted on February 29, 2008 by AKRF personnel and ZEBRA Environmental Corp. of Lynbrook, New York (ZEBRA). Five soil borings were advanced at the subject property (the four corners and center of the site), as shown on Figure 2.

3.1 Soil and Groundwater Sampling and Analysis

The soil borings were advanced using a track-mounted Geoprobe® direct push probe (DPP) unit to a depth of 15 feet below grade or to refusal, whichever was encountered first. The proposed depth of excavation is four feet across the site. However, AKRF attempted to advance the borings deeper to determine the characteristics of underlying soil, which will remain following development, and to determine whether groundwater exists above the bedrock. Refusal was encountered at shallow depths, between 4.5 and 14 feet, in all soil borings.

Eight soil samples were collected at the site for laboratory analysis. Soil samples were collected using five-foot long, two-inch diameter, stainless steel macrocore piston rod samplers fitted with an internal acetate liner. Soil samples were field-screened using a photoionization detector (PID), which measures relative concentrations of volatile organic compounds (VOCs) in the soil. At each boring location, AKRF field personnel recorded and documented subsurface conditions. Soil boring logs are provided in Appendix A.

Soil samples were collected for laboratory analysis from each of the soil borings, based on field observations (odor and staining) and PID readings. The two samples with the highest organic vapor reading were selected for laboratory analysis. If no significant above-background organic vapors where detected, then the samples were collected from the first four feet below grade (the proposed depth of excavation), and from the soil immediately beneath the proposed depth of excavation. Only one soil sample was collected from borings SB-1 and SB-3 due to shallow refusal and the small amount of soil recovered. The soil samples were analyzed by Alpha Woods Hole Labs, a New York State Department of Health ELAP-certified laboratory, for VOCs by EPA Method 8260, semi-volatile organic compounds (SVOCs) by EPA Method 8270, pesticides

by EPA Methods 8081, polychlorinated biphenyls (PCBs) by EPA method 8082, and Target Analyte List (TAL) metals.

Groundwater was encountered at approximately 13 feet below grade in soil boring SB-2. A temporary well point was installed in this boring. Since refusal was met in the boring at 14 feet below grade, a temporary one-inch PVC well was installed with five feet of screen at a depth of 9 to 14 feet below grade. No groundwater was recovered from this boring due to the shallow depth of the well and/or poor recovery time. Based on this information and observations of the remaining borings, it appears that this water is perched above the bedrock, and that there is no surficial groundwater at the site.

Samples slated for laboratory analysis were placed in laboratory-supplied containers in accordance with EPA protocols.

3.2 Field Observations

The concrete floor of the building was located at the level of the entrance to the site from West 129th Street. The north-adjacent sidewalk on West 130th Street slopes down toward the west, and was located approximately 20 feet above the floor level. Soil encountered below the concrete floor during this investigation primarily consisted of uncontrolled fill (sand with traces of gravel, silt, brick, concrete, ash and glass), which was observed to a depth of 4.5 to 6.5 feet below grade. In borings SB-2 and SB-5 in the western portion of the site, the fill was underlain by sand with traces of silt and gravel, which may be native soil. In the remaining three borings, refusal was encountered at shallow depths, apparently on bedrock. Groundwater was encountered at approximately 13 feet below grade in boring SB-2, but no groundwater sample could be recovered from the boring.

Two floor drains were observed in the southeastern portion of the subject site. These drains were identified as suspect drywells in the 2007 Phase I. However, pipes were observed in both drains, which were likely connected to the city sewer and are thus not drywells. A slight tar-like odor was noted in a floor drain, but no staining or elevated PID readings were detected within the drain.

Two test pits excavated as part of a previous geotechnical study were observed adjacent to the eastern and northern walls. Both test pits were approximately one foot deep, and filled with pieces of the concrete floor and fill consisting of black and dark brown sand with traces of gravel, brick, and concrete. An organic odor was noted in the soil in both test pits, but no staining or elevated PID readings were detected.

The headspace of each soil sample was screened for VOCs by opening a cavity in a portion of the sample and placing the probe of a MiniRAE 2000 PID inside the cavity. An elevated PID headspace reading of 157 parts per million (ppm) and a slight petroleum-like odor were detected in a soil sample collected from boring SB-1 at a depth of approximately 5 feet. The sample, however, was primarily gravel and brick, and a sufficient amount of soil was not able to be collected for analysis. A PID reading of 936 ppm, and a petroleum-like odor, were detected in soil collected from boring SB-2 at a depth of approximately 12 to 14 feet. Slight tar-like or organic odors were noted in portions of the other borings, but PID readings remained below 1 ppm. Results of the field screening activities are provided in the soil boring logs in Appendix A.

4.0 LABORATORY ANALYTICAL RESULTS

4.1 Soil Analytical Results

Eight discrete soil samples were collected for laboratory analysis. Soil sample analytical results were compared to New York State Department of Environmental Conservation (NYSDEC) Technical and Administrative Guidance Memorandum #4046 (TAGM) Recommended Soil Cleanup Objectives (RSCOs). Since the proposed project would involve the construction of a residential building on the site, and remaining on-site soil would be encapsulated beneath this building's foundation, the proposed project would fit the definition of a restricted residential use as defined in NYSDEC regulation Part 375-1.8(g)(2)(ii). Thus, the soil sample analytical results were also compared to NYSDEC Part 375 Soil Cleanup Objectives (SCOs) for restricted residential use. Soil descriptions, observations, and PID readings were recorded on the soil boring logs provided in Appendix A. Laboratory analytical data sheets are included in Appendix B.

VOCs

Fifteen VOCs were detected in sample SB-2 (12'-14') at concentrations between 3.6 and 87 parts per million (ppm). Of these, nine VOCs (1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, acetone, ethylbenzene, isopropylbenzene, n-butylbenzene, n-propylbenzene, naphthalene, and p-isopropyltoluene) exceeded their respective TAGM RSCOs; however, only 1,2,4-trimethylbenzene exceeded the Part 375 SCO. Trace levels of VOCs (including benzene, toluene, acetone, and naphthalene) were detected in samples SB-2 (0'-2'), SB-3 (0'-2') and SB-5 (5'-7'). Sample SB-3 (0'-2') was re-analyzed for VOCs due to the failure of a quality control test for the first analysis; the results of the second analysis are reported.

Sample SB-2 (12'-14') had elevated VOC reportable detection limits (RDL) due to the dilution required by the high concentration of VOCs; as a result, fifteen VOCs had detection limits above their respective TAGM RSCOs. These compounds might be present in the sample above TAGM RSCOs; however, the RDL for these compounds, except vinyl chloride, were below Part 375 SCOs. Thus, of the undetected compounds, only vinyl chloride may have been present in exceedance of its Part 375 SCO.

Based on the distribution of VOCs in the samples and the low levels of SVOCs detected in sample SB-2 (12'-14'), the elevated VOC levels in this sample do not appear to originate from an on-site petroleum, spill. The only location where elevated concentrations of VOCs were detected was collected from within the perched water table and may reflect groundwater conditions affected from an off-site source. No elevated VOCs were detected in the sample collected from above this interval (0-2 feet below grade) and no elevated PID readings or odors were noted above the deeper sample collected from 12 to 14 feet below grade. Therefore, this detection of VOCs appears to reflect an off-site source. Soil analytical results for VOCs are presented in Table 1.

SVOCs

Twelve SVOCs were detected in the soil samples at concentrations up to 51 ppm, with six common polycyclic aromatic hydrocarbons (PAHs), including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, indeno(1,2,3-cd)pyrene, and phenanthrene exceeding their respective TAGM RSCOs in soil samples SB-1 (0'-2'), SB-3 (0'-2'), and SB-5 (0'-3'). These PAHs, except phenanthrene, also exceeded their respective Part 375 SCOs in sample SB-3 (0'-2'), which had a total PAH concentration of 282 ppm.

All of the soil samples analyzed contained elevated SVOC reportable detection limits (RDL) due to dilutions required by sample characteristics that may interfere with analysis, or by high concentrations of SVOCs. As a result, 33 SVOCs had detection limits above their respective TAGM RSCOs. Thus, additional SVOCs may be present in the soil samples. No Part 375 SCOs exist for some of these compounds, and the Part 375 SCOs for some of the remaining compounds were higher than their respective RDL. However, the RDL for the SVOCs benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, hexachlorobenzene, indeno(1,2,3-cd)pyrene and pentachlorophenol were higher than their respective Part 375 SCOs, and these nine compounds may be present at concentrations that exceed the Part 375 SCOs.

Based on the nature and distribution of the compounds detected and field observations, the elevated levels of SVOCs are most likely due to the presence of urban fill beneath the site. The boring logs note the presence of ash and asphalt within the fill, which would account for the elevated concentrations of such PAHs. Soil analytical results for SVOCs are presented in Table 2.

Metals

Seven metals (cadmium, calcium, copper, lead, magnesium, nickel and zinc) exceeded their respective TAGM RSCOs, based on average Eastern USA soil background levels, the soil samples, and mercury exceeded its TAGM RSCO in samples SB-2 (0'-2'), SB-3 (0'-2'), SB-5 (0'-3'), and SB-5 (5'-7'). Two metals also exceeded their part 375 SCOs in two soil samples. Lead was detected at a concentration of 1,400 ppm in sample SB-3 (0'-2'), exceeding its SCO of 400 ppm, and mercury slightly exceeded its Part 375 SCO in samples SB-2 (0'-2') and SB-3 (0'-2').

Based on the type and distribution of the identified metals concentrations, the metals are most likely attributable to urban fill. Analytical results for metals are presented in Table 3.

Pesticides and PCBs

No pesticides or PCBs were detected above the reportable detection limits in any of the soil samples. Analytical results for PCBs and pesticides are presented in Table 4.

4.2 Groundwater Analytical Results

Groundwater was encountered at approximately 13 feet below grade in boring SB-2. However, this boring encountered refusal on apparent bedrock at approximately 14 feet, and a groundwater sample could not be collected. Based on the shallow depth of refusal in the remaining borings and that groundwater was not encountered in any other boring, it appears that this water is perched above the bedrock, and that there is no surficial groundwater at the site.

5.0 CONCLUSIONS AND RECOMMENDATIONS

AKRF, Inc. (AKRF) conducted a subsurface (Phase II) investigation at the 487 West 129th Street property in Manhattan, New York. The Phase II study was intended to determine whether current or former on- or off-site activities have adversely affected the subject property. The scope of the Phase II study was based on the findings of the Phase I Environmental Site Assessment (ESA) performed for the site by AKRF, Inc., dated November 19, 2007 and in accordance with the Sampling Protocol and Health and Safety Plan dated February 2008. The investigation was conducted on February 29, 2008, and included the collection of soil samples for laboratory analysis.

Based on a survey of the site conducted in April 2005, the building's concrete floor is at an elevation of approximately 36.4 feet, and is approximately 24.4 to 17.5 feet below the sidewalk grade at 130th Street. Soil encountered below the concrete floor primarily consisted of uncontrolled fill (sand with traces of gravel, silt, brick, concrete, ash and glass), which was observed to a depth of 4.5 to 6.5 feet below the floor. In borings SB-2 and SB-5 in the western portion of the site, the fill was underlain by sand with traces of silt and gravel, which may be native soil. In the remaining three borings, refusal was encountered at shallow depths, apparently on bedrock. Groundwater was encountered at approximately 13 feet below grade in boring SB-2, but no groundwater sample could be recovered from the boring. Based on the shallow depth of refusal on apparent bedrock in the remaining borings and that no groundwater was encountered in any other boring, it appears that the water observed in boring SB-2 is perched above the bedrock, and that there is no surficial groundwater at the site.

Floor drains in the southeastern portion of the site, identified as suspect drywells in the November 2007 Phase I ESA report, were observed to contain pipes, most likely connected to the municipal sewer system, and are thus not drywells. Two test pits excavated as part of a previous geotechnical study were observed adjacent to the eastern and northern walls. Both test pits were approximately one foot deep, and were filled with pieces of the concrete floor and fill consisting of black and dark brown sand with traces of gravel, brick, and concrete. An organic odor was noted in soil in both test pits, but no staining or elevated PID readings were detected.

Eight soil samples were collected from the borings for laboratory analysis. Soil sample analytical results were compared to New York State Department of Environmental Conservation (NYSDEC) Technical and Administrative Guidance Memorandum #4046 (TAGM) Recommended Soil Cleanup Objectives (RSCOs) and NYSDEC Part 375 Soil Cleanup Objectives (SCOs) for restricted residential use.

An elevated photoionization detector (PID) reading and a petroleum-like odor were detected in boring SB-2 at approximately 10.5-14.5 feet below grade. A slight petroleum-like odor and an elevated PID reading were noted in boring SB-1 at a depth of approximately 4.5 feet, but the sample recovery was poor and consisted mainly of gravel and concrete. A sufficient amount of soil could not be collected for laboratory analysis. Laboratory analysis detected nine VOCs exceeding their respective TAGM RSCOs in sample SB-2 (12'-14'). This sample had elevated VOC reportable detection limits (RDL) due to sample dilution for analysis. As a result, fifteen VOCs had detection limits above their respective TAGM RSCOs, therefore, additional VOCs may be present in the sample that could not be reported above TAGM RSCOs. Only one VOC (1,2,4-trimethylbenzene) exceeded its Part 375 SCO in soil sample SB-2 (12'-14'). Trace levels of several VOCs were detected in samples SB-2 (0'-2'), SB-3 (0'-2') and SB-5 (5'-7'). Based on field observations and the elevated levels of VOCs and low levels of SVOCs detected in sample SB-2 (12'-14'), the elevated VOC levels in this sample do not appear to originate from an on-site petroleum, spill, which would have resulted in elevated VOC and/or SVOC levels in the overlying soil. The elevated concentrations of VOCs in SB-2 (12'-14') may be attributable to an off-site spill that has migrated on-site.

Twelve SVOCs, mainly polycyclic aromatic hydrocarbons (PAHs), were detected in five of the soil samples. Six common polycyclic aromatic hydrocarbons (PAHs) exceeded their respective TAGM RSCOs in soil samples SB-1 (0'-2'), SB-3 (0'-2'), and SB-5 (0'-3'). All of these PAHs except phenanthrene also exceeded their respective Part 375 SCOs in sample SB-3 (0'-2'), which had a total PAH concentration of 282 ppm. All of the soil samples had elevated SVOC reportable detection limits (RDL) due to sample dilutions for analysis. As a result, 33 SVOCs had detection limits above their respective TAGM RSCOs. Thus, additional SVOCs may be present in these samples above TAGM RSCOs. In addition, the RDL for the nine SVOCs were above their respective Part 375 SCOs. Based on the nature and distribution of the compounds detected and field observations, the elevated levels of SVOCs are most likely due to the presence of urban fill beneath the site. In some of the borings, the fill was noted to include ash, which contains high levels of PAHs.

Lead exceeded its SCO in sample SB-3 (0'-2'), and mercury slightly exceeded its SCO in two soil samples [SB-2 (0'-2') and SB-3 (0'-2')]. Other metals were present in the soil samples at concentrations below their respective SCOs. Based on the type and distribution of the identified metals concentrations, the metals may be attributable to the historical uses of the site as a railway power station and a railway car house and repair shop, and/or to urban fill. No PCBs or pesticides were detected in any of the soil samples.

The proposed development would include the demolition of the on-site half of the existing one-story warehouse, and the construction of a new residential building with a ground-floor parking garage. Excavation for the proposed construction is expected to four feet below existing grade. Based on this investigation, on-site soil includes urban fill. Based on observations and laboratory analysis, the southern portion of the site may have been affected by off-site petroleum releases; however, the affected area may be limited to the interval just above the bedrock. All soil and fill excavated as part of site development activities should be managed in accordance with all applicable regulations. If petroleum-contaminated soil or any other type of contamination is identified, it should be managed in accordance with all applicable requirements. All soil intended for off-site disposal should be tested in accordance with the requirements of the receiving facility. Transportation of all material leaving the site for off-site disposal will be in accordance with federal, state and local requirements covering licensing of haulers and trucks, placarding, truck routes, manifesting, etc.

Based on observations, a perched water table may be present on bedrock in the southwestern portion of the site, at a depth of 13 or more feet below surface grade. No surficial groundwater is present on the site. Based on the depth of the detected contamination (8 to 10 feet below the excavation depth), it is not anticipated that this will affect the proposed development and dewatering will not be necessary during construction. If, however, dewatering is required, discharge water must meet the New York City Department of Environmental Protection (NYCDEP) criteria for effluent to municipal sewers, in accordance with the NYCDEP Bureau of Wastewater Treatment (BWT) Wastewater Quality Control Permit. Due to the detection of VOCs in the deep soil sample [SB-2 (12'-14') in the southern portion of the site], it is recommended to include a vapor barrier in the building's design to alleviate the possibility of vapor intrusion into the building.

6.0 SOIL DISPOSAL ISSUES

In addition to the discussions in the Conclusions and Recommendations, and Limitations, Sections (Sections 5.0 and 7.0), the issue of appropriate management of off-site disposal of soil warrants careful consideration. Any material being disposed of off-site is a regulated waste, and disposal must be in accordance with:

- Requirements of the specific receiving facility;
- Requirements of any agencies overseeing the cleanup/excavation; and
- Federal and state requirements (sometimes in both the state where the soil is generated and where disposal will occur).

For hazardous wastes and petroleum-contaminated soil (and other 'clearly contaminated' materials), the requirements are usually fairly well defined. It is the situation where contamination is not readily apparent (e.g., so called "historic or urban fill" or "construction and demolition debris" or material that may have been formerly identified as "clean fill") that present the greatest potential for problems and cost overruns. Even on sites where no contamination requiring remediation is identified, it is common that most of the excavated material is considered "contaminated" for purposes of waste disposal. Concentrations of the various contaminants in historic fill can be highly variable, and upon further testing, the material could contain higher contaminant concentrations than outlined in this investigation. Portions of this material could be classified as hazardous waste.

It is important that the intended disposal facility (or facilities) be identified in advance of off-site disposal. Agency approval is sometimes required for disposal, and the facility will frequently require additional testing prior to (and sometimes at the time of) accepting material. Material must conform to a lengthy list of requirements based on both chemical composition and sometimes numerous other parameters (related to size, percentage of liquids, presence of odors, etc.) for acceptance at the facility. Assuming (or allowing a contractor to assume) that all, or even most, of the soil from a site can be disposed of at minimal cost may result in unanticipated and expensive change orders.

For these above reasons, we recommend that professional advice be sought prior to preparing bid documents and contracts incorporating soil disposal.

7.0 LIMITATIONS

The findings set forth in this report are strictly limited in scope and time to the date of the evaluation described herein. The conclusions and recommendations presented in the report are based solely on the services and any limitations described in this report.

This report may contain conclusions that are based on the analysis of data collected at the time and locations noted in the report through intrusive or non-intrusive sampling. However, further investigation might reveal additional data or variations of the current data, which may differ from our understanding of the conditions presented in this report and require the enclosed recommendations to be reevaluated or modified.

Chemical analyses may have been performed for specific parameters during the course of this investigation, as summarized in the text and tables. It should be noted that additional chemical constituents, not searched for during this investigation, may be present at the site. Due to the nature of the investigation and the limited data available, no warranty, expressed or implied, shall be construed with respect to undiscovered liabilities. The presence of biological hazards, radioactive materials, lead-based paint and asbestos-containing materials was not investigated, unless specified in the report.

Interpretations of the data, including comparison to regulatory standards, guidelines or background values, are not opinions that these comparisons are legally applicable. Furthermore, any conclusions or recommendations should not be construed as legal advice. For such advice, the client is recommended to seek appropriate legal counsel. Disturbance, handling, transportation, storage and disposal of known or potentially contaminated materials is subject to all applicable laws, which may or may not be fully described as part of this report.

The analytical data, conclusions, and/or recommendations provided in this report should not be construed in any way as a classification of waste that may be generated during future disturbance of the project site. Waste(s) generated at the site including excess fill may be considered regulated solid waste and potentially hazardous waste. Requirements for intended disposal facilities should be determined beforehand as the data provided in this report may be insufficient and could vary following additional sampling.

This report may be based solely or partially on data collected, conducted, and provided by, AKRF and/or others. No warranty is expressed or implied by usage of such data. Such data may be included in other investigation reports or documentation. In addition, these reports may have been based upon available previous reports, historical records, documentation from federal, state and local government agencies, personal interviews, and geological mapping. This report is subject, at a minimum, to the limitations of the previous reports, historical documents, availability and accuracy of collected documentation, and personal recollection of those persons interviewed. In certain instances, AKRF has been required to assume that the information provided is accurate with limited or no corroboratory evidence.

This report is intended for the use solely by Inner City Contracting, LLC. Reliance by third parties on the information and opinions contained herein is strictly prohibited and requires the written consent of AKRF. AKRF accepts no responsibility for damages incurred by third parties for any decisions or actions taken based on this report. This report must be used, interpreted, and presented in its entirety.

TABLES

Table 1
487 West 129th Street
New York, NY
Soil Analytical Results
Volatile Organic Compounds

Client ID Date Sampled Lab Sample ID Units Volatile Organics by EPA 8260B	TAGM 4046 RSCOs mg/kg	Part 375 Restricted Residential mg/kg	SB-1 (0-2') 29-FEB-08 L0802902-02 mg/kg	SB-2 (0-2') 29-FEB-08 L0802902-03 mg/kg	SB-2 (12-14') 29-FEB-08 L0802902-04 mg/kg	SB-3 (0-2') 29-FEB-08 L0802902-05 mg/kg	SB-4 (0-3') 29-FEB-08 L0802902-06 mg/kg
1,1,1,2-Tetrachloroethane	NS	NS	0.0029 U	0.003 U	0.58 U	0.0028 U	0.0028 U
1,1,1-Trichloroethane	0.8	100	0.0029 U	0.003 U	0.58 U	0.0028 U	0.0028 U
1,1,2,2-Tetrachloroethane	0.6	NS	0.0029 U	0.003 U	0.58 U	0.0028 U	0.0028 U
1,1,2-Trichloroethane	NS	NS	0.0043 U	0.0045 U	0.87 U	0.0043 U	0.0042 U
1,1-Dichloroethane	0.2	26	0.0043 U	0.0045 U	0.87 U	0.0043 U	0.0042 U
1,1-Dichloroethene	0.4	100	0.0029 U	0.003 U	0.58 U	0.0028 U	0.0028 U
1,1-Dichloropropene	NS	NS	0.014 U	0.015 U	2.9 U	0.014 U	0.014 U
1,2,3-Trichlorobenzene	NS	NS	0.014 U	0.015 U	2.9 U	0.014 U	0.014 U
1,2,3-Trichloropropane	0.4	NS	0.029 U	0.03 U	5.8 U	0.028 U	0.028 U
1,2,4,5-Tetramethylbenzene	NS	NS	0.0029 U	0.003 U	12	0.0028 U	0.0028 U
1,2,4-Trichlorobenzene	3.4	NS	0.014 U	0.015 U	2.9 U	0.014 U	0.014 U
1,2,4-Trimethylbenzene	10	52	0.014 U	0.015 U	87	0.014 U	0.014 U
1,2-Dibromo-3-chloropropane	NS	NS	0.014 U	0.015 U	2.9 U	0.014 U	0.014 U
1,2-Dibromoethane	NS	NS	0.011 U	0.012 U	2.3 U	0.011 U	0.011 U
1,2-Dichlorobenzene	7.9	100	0.014 U	0.015 U	2.9 U	0.014 U	0.014 U
1,2-Dichloroethane	0.1	3.1	0.0029 U	0.003 U	0.58 U	0.0028 U	0.0028 U
1,2-Dichloropropane	NS	NS	0.01 U	0.01 U	2 U	0.0099 U	0.0098 U
1,3,5-Trimethylbenzene	3.3	52	0.014 U	0.015 U	33	0.014 U	0.014 U
1,3-Dichlorobenzene	1.6	49	0.014 U	0.015 U	2.9 U	0.014 U	0.014 U
1,3-Dichloropropane	0.3	NS	0.014 U	0.015 U	2.9 U	0.014 U	0.014 U
1,4-Dichlorobenzene	8.5	13	0.014 U	0.015 U	2.9 U	0.014 U	0.014 U
1,4-Diethylbenzene	NS	NS	0.0029 U	0.003 U	50	0.0028 U	0.0028 U
2,2-Dichloropropane	NS	NS	0.014 U	0.015 U	2.9 U	0.014 U	0.014 U
2-Butanone	0.3	100	0.029 U	0.03 U	5.8 U	0.028 U	0.028 U
2-Hexanone	NS	NS	0.029 U	0.03 U	5.8 U	0.028 U	0.028 U
4-Ethyltoluene	NS	NS	0.0029 U	0.003 U	63	0.0028 U	0.0028 U
4-Methyl-2-pentanone	1	NS	0.029 U	0.03 U	5.8 U	0.028 U	0.028 U
Acetone	0.2	100	0.029 U	0.03 U	6.1	0.028 U	0.028 U
Benzene	0.06	4.8	0.0029 U	0.0084	0.58 U	0.0028 U	0.0028 U
Bromobenzene	NS	NS	0.014 U	0.015 U	2.9 U	0.014 U	0.014 U
Bromochloromethane	NS	NS	0.014 U	0.015 U	2.9 U	0.014 U	0.014 U
Bromodichloromethane	NS	NS	0.0029 U	0.003 U	0.58 U	0.0028 U	0.0028 U
Bromoform	NS	NS	0.011 U	0.012 U	2.3 U	0.011 U	0.011 U
Bromomethane	NS	NS	0.0057 U	0.006 U	1.2 U	0.0057 U	0.0056 U
Carbon disulfide	2.7	NS	0.029 U	0.03 U	5.8 U	0.028 U	0.028 U

Table 1
487 West 129th Street
New York, NY
Soil Analytical Results
Volatile Organic Compounds

Client ID Date Sampled Lab Sample ID Units Volatile Organics by EPA 8260B	TAGM 4046 RSCOs mg/kg	Part 375 Restricted Residential mg/kg	SB-1 (0-2') 29-FEB-08 L0802902-02 mg/kg	SB-2 (0-2') 29-FEB-08 L0802902-03 mg/kg	SB-2 (12-14') 29-FEB-08 L0802902-04 mg/kg	SB-3 (0-2') 29-FEB-08 L0802902-05 mg/kg	SB-4 (0-3') 29-FEB-08 L0802902-06 mg/kg
Carbon tetrachloride	**0.6**	**2.4**	0.0029 U	0.003 U	0.58 U	0.0028 U	0.0028 U
Chlorobenzene	**1.7**	**100**	0.0029 U	0.003 U	0.58 U	0.0028 U	0.0028 U
Chloroethane	**1.9**	**NS**	0.0057 U	0.006 U	1.2 U	0.0057 U	0.0056 U
Chloroform	**0.3**	**49**	0.0043 U	0.0045 U	0.87 U	0.0043 U	0.0042 U
Chloromethane	**NS**	**NS**	0.014 U	0.015 U	2.9 U	0.014 U	0.014 U
cis-1,2-Dichloroethene	**NS**	**100**	0.0029 U	0.003 U	0.58 U	0.0028 U	0.0028 U
cis-1,3-Dichloropropene	**NS**	**NS**	0.0029 U	0.003 U	0.58 U	0.0028 U	0.0028 U
Dibromochloromethane	**NS**	**NS**	0.0029 U	0.003 U	0.58 U	0.0028 U	0.0028 U
Dibromomethane	**NS**	**NS**	0.029 U	0.03 U	5.8 U	0.028 U	0.028 U
Dichlorodifluoromethane	**NS**	**NS**	0.029 U	0.03 U	5.8 U	0.028 U	0.028 U
Ethylbenzene	**5.5**	**41**	0.0029 U	0.003 U	9.5	0.0028 U	0.0028 U
Hexachlorobutadiene	**NS**	**NS**	0.014 U	0.015 U	2.9 U	0.014 U	0.014 U
Isopropylbenzene	**2.3**	**NS**	0.0029 U	0.003 U	6.7	0.0028 U	0.0028 U
Methyl tert butyl ether	**0.12**	**100**	0.0057 U	0.006 U	1.2 U	0.0057 U	0.0056 U
Methylene chloride	**0.1**	**100**	0.029 U	0.03 U	5.8 U	0.028 U	0.028 U
Naphthalene	**13**	**100**	0.014 U	0.015 U	44	0.018	0.014 U
n-Butylbenzene	**10**	**100**	0.0029 U	0.003 U	12	0.0028 U	0.0028 U
n-Propylbenzene	**3.7**	**100**	0.0029 U	0.003 U	11	0.0028 U	0.0028 U
o-Chlorotoluene	**NS**	**NS**	0.014 U	0.015 U	2.9 U	0.014 U	0.014 U
o-Xylene	**0.6**	**100**	0.0057 U	0.006 U	3.6	0.0057 U	0.0056 U
p/m-Xylene	**NS**	**NS**	0.0057 U	0.006 U	38	0.0057 U	0.0056 U
p-Chlorotoluene	**NS**	**NS**	0.014 U	0.015 U	2.9 U	0.014 U	0.014 U
p-Isopropyltoluene	**10**	**NS**	0.0029 U	0.003 U	11	0.0028 U	0.0028 U
sec-Butylbenzene	**10**	**100**	0.0029 U	0.003 U	4.4	0.0028 U	0.0028 U
Styrene	**NS**	**NS**	0.0057 U	0.006 U	1.2 U	0.0057 U	0.0056 U
tert-Butylbenzene	**10**	**100**	0.014 U	0.015 U	2.9 U	0.014 U	0.014 U
Tetrachloroethene	**1.4**	**19**	0.0029 U	0.003 U	0.58 U	0.0028 U	0.0028 U
Toluene	**1.5**	**100**	0.0043 U	0.013	0.87 U	0.0043 U	0.0042 U
trans-1,2-Dichloroethene	**0.3**	**100**	0.0043 U	0.0045 U	0.87 U	0.0043 U	0.0042 U
trans-1,3-Dichloropropene	**NS**	**NS**	0.0029 U	0.003 U	0.58 U	0.0028 U	0.0028 U
Trichloroethene	**0.7**	**21**	0.0029 U	0.003 U	0.58 U	0.0028 U	0.0028 U
Trichlorofluoromethane	**NS**	**NS**	0.014 U	0.015 U	2.9 U	0.014 U	0.014 U
Vinyl acetate	**NS**	**NS**	0.029 U	0.03 U	5.8 U	0.028 U	0.028 U
Vinyl chloride	**0.2**	**0.9**	0.0057 U	0.006 U	1.2 U	0.0057 U	0.0056 U

Table 1
487 West 129th Street
New York, NY
Soil Analytical Results
Volatile Organic Compounds

Client ID Date Sampled Lab Sample ID Units Volatile Organics by EPA 8260B	TAGM 4046 RSCOs mg/kg	Part 375 Restricted Residential mg/kg	SB-4 (5-7') 29-FEB-08 L0802902-07 mg/kg	SB-5 (0-3') 29-FEB-08 L0802902-08 mg/kg	SB-5 (5-7') 29-FEB-08 L0802902-09 mg/kg	FB-1 29-FEB-08 L0802902-01 µg/L	TB-1 25-FEB-08 L0802902-11 µg/L
1,1,1,2-Tetrachloroethane	NS	NS	0.0027 U	0.0027 U	0.0026 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.8	100	0.0027 U	0.0027 U	0.0026 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.6	NS	0.0027 U	0.0027 U	0.0026 U	0.5 U	0.5 U
1,1,2-Trichloroethane	NS	NS	0.004 U	0.0041 U	0.004 U	0.75 U	0.75 U
1,1-Dichloroethane	0.2	26	0.004 U	0.0041 U	0.004 U	0.75 U	0.75 U
1,1-Dichloroethene	0.4	100	0.0027 U	0.0027 U	0.0026 U	0.5 U	0.5 U
1,1-Dichloropropene	NS	NS	0.013 U	0.014 U	0.013 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene	NS	NS	0.013 U	0.014 U	0.013 U	2.5 U	2.5 U
1,2,3-Trichloropropane	0.4	NS	0.027 U	0.027 U	0.026 U	5 U	5 U
1,2,4,5-Tetramethylbenzene	NS	NS	0.0027 U	0.0027 U	0.0026 U	NA	NA
1,2,4-Trichlorobenzene	3.4	NS	0.013 U	0.014 U	0.013 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	10	52	0.013 U	0.014 U	0.013 U	2.5 U	2.5 U
1,2-Dibromo-3-chloropropane	NS	NS	0.013 U	0.014 U	0.013 U	2.5 U	2.5 U
1,2-Dibromoethane	NS	NS	0.011 U	0.011 U	0.011 U	2 U	2 U
1,2-Dichlorobenzene	7.9	100	0.013 U	0.014 U	0.013 U	2.5 U	2.5 U
1,2-Dichloroethane	0.1	3.1	0.0027 U	0.0027 U	0.0026 U	0.5 U	0.5 U
1,2-Dichloropropane	NS	NS	0.0094 U	0.0095 U	0.0093 U	1.8 U	1.8 U
1,3,5-Trimethylbenzene	3.3	52	0.013 U	0.014 U	0.013 U	2.5 U	2.5 U
1,3-Dichlorobenzene	1.6	49	0.013 U	0.014 U	0.013 U	2.5 U	2.5 U
1,3-Dichloropropane	0.3	NS	0.013 U	0.014 U	0.013 U	2.5 U	2.5 U
1,4-Dichlorobenzene	8.5	13	0.013 U	0.014 U	0.013 U	2.5 U	2.5 U
1,4-Diethylbenzene	NS	NS	0.0027 U	0.0027 U	0.0026 U	NA	NA
2,2-Dichloropropane	NS	NS	0.013 U	0.014 U	0.013 U	2.5 U	2.5 U
2-Butanone	0.3	100	0.027 U	0.027 U	0.026 U	5 U	5 U
2-Hexanone	NS	NS	0.027 U	0.027 U	0.026 U	5 U	5 U
4-Ethyltoluene	NS	NS	0.0027 U	0.0027 U	0.0026 U	NA	NA
4-Methyl-2-pentanone	1	NS	0.027 U	0.027 U	0.026 U	5 U	5 U
Acetone	0.2	100	0.027 U	0.027 U	0.031	5 U	5 U
Benzene	0.06	4.8	0.0027 U	0.0027 U	0.0026 U	0.5 U	0.5 U
Bromobenzene	NS	NS	0.013 U	0.014 U	0.013 U	2.5 U	2.5 U
Bromochloromethane	NS	NS	0.013 U	0.014 U	0.013 U	2.5 U	2.5 U
Bromodichloromethane	NS	NS	0.0027 U	0.0027 U	0.0026 U	0.5 U	0.5 U
Bromoform	NS	NS	0.011 U	0.011 U	0.011 U	2 U	2 U
Bromomethane	NS	NS	0.0054 U	0.0054 U	0.0053 U	1 U	1 U
Carbon disulfide	2.7	NS	0.027 U	0.027 U	0.026 U	5 U	5 U

Table 1
487 West 129th Street
New York, NY
Soil Analytical Results
Volatile Organic Compounds

Client ID Date Sampled Lab Sample ID Units Volatile Organics by EPA 8260B	TAGM 4046 RSCOs mg/kg	Part 375 Restricted Residential mg/kg	SB-4 (5-7') 29-FEB-08 L0802902-07 mg/kg	SB-5 (0-3') 29-FEB-08 L0802902-08 mg/kg	SB-5 (5-7') 29-FEB-08 L0802902-09 mg/kg	FB-1 29-FEB-08 L0802902-01 µg/L	TB-1 25-FEB-08 L0802902-11 µg/L
Carbon tetrachloride	**0.6**	**2.4**	0.0027 U	0.0027 U	0.0026 U	0.5 U	0.5 U
Chlorobenzene	**1.7**	**100**	0.0027 U	0.0027 U	0.0026 U	0.5 U	0.5 U
Chloroethane	**1.9**	**NS**	0.0054 U	0.0054 U	0.0053 U	1 U	1 U
Chloroform	**0.3**	**49**	0.004 U	0.0041 U	0.004 U	0.75 U	0.75 U
Chloromethane	**NS**	**NS**	0.013 U	0.014 U	0.013 U	2.5 U	2.5 U
cis-1,2-Dichloroethene	**NS**	**100**	0.0027 U	0.0027 U	0.0026 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	**NS**	**NS**	0.0027 U	0.0027 U	0.0026 U	0.5 U	0.5 U
Dibromochloromethane	**NS**	**NS**	0.0027 U	0.0027 U	0.0026 U	0.5 U	0.5 U
Dibromomethane	**NS**	**NS**	0.027 U	0.027 U	0.026 U	5 U	5 U
Dichlorodifluoromethane	**NS**	**NS**	0.027 U	0.027 U	0.026 U	5 U	5 U
Ethylbenzene	**5.5**	**41**	0.0027 U	0.0027 U	0.0026 U	0.5 U	0.5 U
Hexachlorobutadiene	**NS**	**NS**	0.013 U	0.014 U	0.013 U	0.6 U	0.6 U
Isopropylbenzene	**2.3**	**NS**	0.0027 U	0.0027 U	0.0026 U	0.5 U	0.5 U
Methyl tert butyl ether	**0.12**	**100**	0.0054 U	0.0054 U	0.0053 U	1 U	1 U
Methylene chloride	**0.1**	**100**	0.027 U	0.027 U	0.026 U	5 U	5 U
Naphthalene	**13**	**100**	0.013 U	0.014 U	0.013 U	2.5 U	2.5 U
n-Butylbenzene	**10**	**100**	0.0027 U	0.0027 U	0.0026 U	0.5 U	0.5 U
n-Propylbenzene	**3.7**	**100**	0.0027 U	0.0027 U	0.0026 U	0.5 U	0.5 U
o-Chlorotoluene	**NS**	**NS**	0.013 U	0.014 U	0.013 U	2.5 U	2.5 U
o-Xylene	**0.6**	**100**	0.0054 U	0.0054 U	0.0053 U	1 U	1 U
p/m-Xylene	**NS**	**NS**	0.0054 U	0.0054 U	0.0053 U	1 U	1 U
p-Chlorotoluene	**NS**	**NS**	0.013 U	0.014 U	0.013 U	2.5 U	2.5 U
p-Isopropyltoluene	**10**	**NS**	0.0027 U	0.0027 U	0.0026 U	0.5 U	0.5 U
sec-Butylbenzene	**10**	**100**	0.0027 U	0.0027 U	0.0026 U	0.5 U	0.5 U
Styrene	**NS**	**NS**	0.0054 U	0.0054 U	0.0053 U	1 U	1 U
tert-Butylbenzene	**10**	**100**	0.013 U	0.014 U	0.013 U	2.5 U	2.5 U
Tetrachloroethene	**1.4**	**19**	0.0027 U	0.0027 U	0.0026 U	0.5 U	0.5 U
Toluene	**1.5**	**100**	0.004 U	0.0041 U	0.004 U	0.75 U	0.75 U
trans-1,2-Dichloroethene	**0.3**	**100**	0.004 U	0.0041 U	0.004 U	0.75 U	0.75 U
trans-1,3-Dichloropropene	**NS**	**NS**	0.0027 U	0.0027 U	0.0026 U	0.5 U	0.5 U
Trichloroethene	**0.7**	**21**	0.0027 U	0.0027 U	0.0026 U	0.5 U	0.5 U
Trichlorofluoromethane	**NS**	**NS**	0.013 U	0.014 U	0.013 U	2.5 U	2.5 U
Vinyl acetate	**NS**	**NS**	0.027 U	0.027 U	0.026 U	5 U	5 U
Vinyl chloride	**0.2**	**0.9**	0.0054 U	0.0054 U	0.0053 U	1 U	1 U

Table 2
487 West 129th Street
New York, NY
Soil Analytical Results
Semi-Volatile Organic Compounds

Client ID Date Sampled Lab Sample ID Units Semivolatile Organics by EPA 8270C	TAGM 4046 RSCOs mg/kg	Part 375 Restricted Residential mg/kg	SB-1 (0-2') 29-FEB-08 L0802902-02 mg/kg	SB-2 (0-2') 29-FEB-08 L0802902-03 mg/kg	SB-2 (12-14') 29-FEB-08 L0802902-04 mg/kg	SB-3 (0-2') 29-FEB-08 L0802902-05 mg/kg	SB-4 (0-3') 29-FEB-08 L0802902-06 mg/kg
1,2,4,5-Tetrachlorobenzene	NS	NS	1.5 U	7.9 U	1.6 U	38 U	37 U
1,2,4-Trichlorobenzene	3.4	NS	0.38 U	2 U	0.39 U	9.5 U	9.4 U
1,2-Dichlorobenzene	7.9	100	0.38 U	2 U	0.39 U	9.5 U	9.4 U
1,3-Dichlorobenzene	1.6	49	0.38 U	2 U	0.39 U	9.5 U	9.4 U
1,4-Dichlorobenzene	8.5	13	0.38 U	2 U	0.39 U	9.5 U	9.4 U
2,4,5-Trichlorophenol	0.1	NS	0.38 U	2 U	0.39 U	9.5 U	9.4 U
2,4,6-Trichlorophenol	NS	NS	0.38 U	2 U	0.39 U	9.5 U	9.4 U
2,4-Dichlorophenol	0.4	NS	0.77 U	4 U	0.78 U	19 U	19 U
2,4-Dimethylphenol	NS	NS	0.38 U	2 U	0.39 U	9.5 U	9.4 U
2,4-Dinitrophenol	0.2	NS	1.5 U	7.9 U	1.6 U	38 U	37 U
2,4-Dinitrotoluene	NS	NS	0.38 U	2 U	0.39 U	9.5 U	9.4 U
2,6-Dinitrotoluene	1	NS	0.38 U	2 U	0.39 U	9.5 U	9.4 U
2-Chloronaphthalene	NS	NS	0.46 U	2.4 U	0.46 U	11 U	11 U
2-Chlorophenol	0.8	NS	0.46 U	2.4 U	0.46 U	11 U	11 U
2-Methylnaphthalene	36.4	NS	0.38 U	2 U	5.7	9.5 U	9.4 U
2-Methylphenol	0.1	100	0.46 U	2.4 U	0.46 U	11 U	11 U
2-Nitroaniline	0.43	NS	0.38 U	2 U	0.39 U	9.5 U	9.4 U
2-Nitrophenol	0.33	NS	1.5 U	7.9 U	1.6 U	38 U	37 U
3,3'-Dichlorobenzidine	NS	NS	0.77 U	4 U	0.78 U	19 U	19 U
3-Methylphenol/4-Methylphenol	NS	NS	0.46 U	2.4 U	0.46 U	11 U	11 U
3-Nitroaniline	0.5	NS	0.38 U	2 U	0.39 U	9.5 U	9.4 U
4,6-Dinitro-o-cresol	NS	NS	1.5 U	7.9 U	1.6 U	38 U	37 U
4-Bromophenyl phenyl ether	NS	NS	0.38 U	2 U	0.39 U	9.5 U	9.4 U
4-Chloroaniline	0.22	NS	0.38 U	2 U	0.39 U	9.5 U	9.4 U
4-Chlorophenyl phenyl ether	NS	NS	0.38 U	2 U	0.39 U	9.5 U	9.4 U
4-Nitroaniline	NS	NS	0.54 U	2.8 U	0.54 U	13 U	13 U
4-Nitrophenol	0.1	NS	0.77 U	4 U	0.78 U	19 U	19 U
Acenaphthene	50	100	0.38 U	2 U	0.39 U	9.5 U	9.4 U
Acenaphthylene	41	100	0.38 U	2 U	0.39 U	9.5 U	9.4 U
Acetophenone	NS	NS	1.5 U	7.9 U	1.6 U	38 U	37 U
Anthracene	50	100	0.38 U	2 U	0.39 U	16	9.4 U
Benzo(a)anthracene	0.224	1	0.43	2 U	0.39 U	26	9.4 U
Benzo(a)pyrene	0.061	1	0.38	2 U	0.39 U	23	9.4 U
Benzo(b)fluoranthene	1.1	1	0.45	2 U	0.39 U	28	9.4 U
Benzo(ghi)perylene	50	100	0.38 U	2 U	0.39 U	14	9.4 U

Table 2
487 West 129th Street
New York, NY
Soil Analytical Results
Semi-Volatile Organic Compounds

Client ID Date Sampled Lab Sample ID Units Semivolatile Organics by EPA 8270C	TAGM 4046 RSCOs mg/kg	Part 375 Restricted Residential mg/kg	SB-1 (0-2') 29-FEB-08 L0802902-02 mg/kg	SB-2 (0-2') 29-FEB-08 L0802902-03 mg/kg	SB-2 (12-14') 29-FEB-08 L0802902-04 mg/kg	SB-3 (0-2') 29-FEB-08 L0802902-05 mg/kg	SB-4 (0-3') 29-FEB-08 L0802902-06 mg/kg
Benzo(k)fluoranthene	**1.1**	**3.9**	0.38 U	2 U	0.39 U	9.5 U	9.4 U
Benzoic Acid	**2.7**	**NS**	3.8 U	20 U	3.9 U	95 U	94 U
Benzyl Alcohol	**NS**	**NS**	0.77 U	4 U	0.78 U	19 U	19 U
Biphenyl	**NS**	**NS**	0.38 U	2 U	0.39 U	9.5 U	9.4 U
Bis(2-chloroethoxy)methane	**NS**	**NS**	0.38 U	2 U	0.39 U	9.5 U	9.4 U
Bis(2-chloroethyl)ether	**NS**	**NS**	0.38 U	2 U	0.39 U	9.5 U	9.4 U
Bis(2-chloroisopropyl)ether	**NS**	**NS**	0.38 U	2 U	0.39 U	9.5 U	9.4 U
Bis(2-Ethylhexyl)phthalate	**50**	**NS**	0.77 U	4 U	0.78 U	19 U	19 U
Butyl benzyl phthalate	**50**	**NS**	0.38 U	2 U	0.39 U	9.5 U	9.4 U
Carbazole	**NS**	**NS**	0.38 U	2 U	0.39 U	9.5 U	9.4 U
Chrysene	**0.4**	**3.9**	0.4	2 U	0.39 U	23	9.4 U
Di-n-butylphthalate	**8.1**	**NS**	0.38 U	2 U	0.39 U	9.5 U	9.4 U
Di-n-octylphthalate	**50**	**NS**	0.38 U	2 U	0.39 U	9.5 U	9.4 U
Dibenzo(a,h)anthracene	**0.014**	**0.33**	0.38 U	2 U	0.39 U	9.5 U	9.4 U
Dibenzofuran	**6.2**	**59**	0.38 U	2 U	0.39 U	9.5 U	9.4 U
Diethyl phthalate	**7.1**	**NS**	0.38 U	2 U	0.39 U	9.5 U	9.4 U
Dimethyl phthalate	**2**	**NS**	0.38 U	2 U	0.39 U	9.5 U	9.4 U
Fluoranthene	**50**	**100**	0.8	2 U	0.39 U	49	9.4 U
Fluorene	**50**	**100**	0.38 U	2 U	0.39 U	9.5 U	9.4 U
Hexachlorobenzene	**0.41**	**1.2**	0.38 U	2 U	0.39 U	9.5 U	9.4 U
Hexachlorobutadiene	**NS**	**NS**	0.77 U	4 U	0.78 U	19 U	19 U
Hexachlorocyclopentadiene	**NS**	**NS**	0.77 U	4 U	0.78 U	19 U	19 U
Hexachloroethane	**NS**	**NS**	0.38 U	2 U	0.39 U	9.5 U	9.4 U
Indeno(1,2,3-cd)Pyrene	**3.2**	**0.5**	0.38 U	2 U	0.39 U	12	9.4 U
Isophorone	**4.4**	**NS**	0.38 U	2 U	0.39 U	9.5 U	9.4 U
n-Nitrosodi-n-propylamine	**NS**	**NS**	0.38 U	2 U	0.39 U	9.5 U	9.4 U
Naphthalene	**13**	**100**	0.38 U	2.1	9.9	9.5 U	9.4 U
Nitrobenzene	**0.2**	**NS**	0.38 U	2 U	0.39 U	9.5 U	9.4 U
NitrosoDiPhenylAmine(NDPA)/DPA	**NS**	**NS**	1.1 U	6 U	1.2 U	28 U	28 U
P-Chloro-M-Cresol	**0.24**	**NS**	0.38 U	2 U	0.39 U	9.5 U	9.4 U
Pentachlorophenol	**1**	**6.7**	1.5 U	7.9 U	1.6 U	38 U	37 U
Phenanthrene	**50**	**100**	0.85	2 U	0.53	51	9.4 U
Phenol	**0.03**	**100**	0.54 U	2.8 U	0.54 U	13 U	13 U
Pyrene	**50**	**100**	0.82	2 U	0.39 U	40	9.4 U

Table 2
487 West 129th Street
New York, NY
Soil Analytical Results
Semi-Volatile Organic Compounds

Client ID Date Sampled Lab Sample ID Units Semivolatile Organics by EPA 8270C	TAGM 4046 RSCOs mg/kg	Part 375 Restricted Residential mg/kg	SB-4 (5-7') 29-FEB-08 L0802902-07 mg/kg	SB-5 (0-3') 29-FEB-08 L0802902-08 mg/kg	SB-5 (5-7') 29-FEB-08 L0802902-09 mg/kg	FB-1 29-FEB-08 L0802902-01 µg/L
1,2,4,5-Tetrachlorobenzene	NS	NS	36 U	1.4 U	14 U	20 U
1,2,4-Trichlorobenzene	3.4	NS	9 U	0.36 U	3.5 U	4.9 U
1,2-Dichlorobenzene	7.9	100	9 U	0.36 U	3.5 U	4.9 U
1,3-Dichlorobenzene	1.6	49	9 U	0.36 U	3.5 U	4.9 U
1,4-Dichlorobenzene	8.5	13	9 U	0.36 U	3.5 U	4.9 U
2,4,5-Trichlorophenol	0.1	NS	9 U	0.36 U	3.5 U	4.9 U
2,4,6-Trichlorophenol	NS	NS	9 U	0.36 U	3.5 U	4.9 U
2,4-Dichlorophenol	0.4	NS	18 U	0.72 U	7.1 U	9.8 U
2,4-Dimethylphenol	NS	NS	9 U	0.36 U	3.5 U	9.8 U
2,4-Dinitrophenol	0.2	NS	36 U	1.4 U	14 U	29 U
2,4-Dinitrotoluene	NS	NS	9 U	0.36 U	3.5 U	5.9 U
2,6-Dinitrotoluene	1	NS	9 U	0.36 U	3.5 U	4.9 U
2-Chloronaphthalene	NS	NS	11 U	0.43 U	4.2 U	5.9 U
2-Chlorophenol	0.8	NS	11 U	0.43 U	4.2 U	5.9 U
2-Methylnaphthalene	36.4	NS	9 U	0.36 U	3.5 U	4.9 U
2-Methylphenol	0.1	100	11 U	0.43 U	4.2 U	5.9 U
2-Nitroaniline	0.43	NS	9 U	0.36 U	3.5 U	4.9 U
2-Nitrophenol	0.33	NS	36 U	1.4 U	14 U	20 U
3,3'-Dichlorobenzidine	NS	NS	18 U	0.72 U	7.1 U	49 U
3-Methylphenol/4-Methylphenol	NS	NS	11 U	0.43 U	4.2 U	5.9 U
3-Nitroaniline	0.5	NS	9 U	0.36 U	3.5 U	4.9 U
4,6-Dinitro-o-cresol	NS	NS	36 U	1.4 U	14 U	20 U
4-Bromophenyl phenyl ether	NS	NS	9 U	0.36 U	3.5 U	4.9 U
4-Chloroaniline	0.22	NS	9 U	0.36 U	3.5 U	4.9 U
4-Chlorophenyl phenyl ether	NS	NS	9 U	0.36 U	3.5 U	4.9 U
4-Nitroaniline	NS	NS	12 U	0.51 U	5 U	6.8 U
4-Nitrophenol	0.1	NS	18 U	0.72 U	7.1 U	9.8 U
Acenaphthene	50	100	9 U	0.36 U	3.5 U	4.9 U
Acenaphthylene	41	100	9 U	0.36 U	3.5 U	4.9 U
Acetophenone	NS	NS	36 U	1.4 U	14 U	20 U
Anthracene	50	100	9 U	0.36 U	3.5 U	4.9 U
Benzo(a)anthracene	0.224	1	9 U	0.36	3.5 U	4.9 U
Benzo(a)pyrene	0.061	1	9 U	0.38	3.5 U	4.9 U
Benzo(b)fluoranthene	1.1	1	9 U	0.56	3.5 U	4.9 U
Benzo(ghi)perylene	50	100	9 U	0.36 U	3.5 U	4.9 U

Table 2
487 West 129th Street
New York, NY
Soil Analytical Results
Semi-Volatile Organic Compounds

Client ID Date Sampled Lab Sample ID Units Semivolatile Organics by EPA 8270C	TAGM 4046 RSCOs mg/kg	Part 375 Restricted Residential mg/kg	SB-4 (5-7') 29-FEB-08 L0802902-07 mg/kg	SB-5 (0-3') 29-FEB-08 L0802902-08 mg/kg	SB-5 (5-7') 29-FEB-08 L0802902-09 mg/kg	FB-1 29-FEB-08 L0802902-01 µg/L
Benzo(k)fluoranthene	**1.1**	**3.9**	9 U	0.36 U	3.5 U	4.9 U
Benzoic Acid	**2.7**	**NS**	90 U	3.6 U	35 U	49 U
Benzyl Alcohol	**NS**	**NS**	18 U	0.72 U	7.1 U	9.8 U
Biphenyl	**NS**	**NS**	9 U	0.36 U	3.5 U	4.9 U
Bis(2-chloroethoxy)methane	**NS**	**NS**	9 U	0.36 U	3.5 U	4.9 U
Bis(2-chloroethyl)ether	**NS**	**NS**	9 U	0.36 U	3.5 U	4.9 U
Bis(2-chloroisopropyl)ether	**NS**	**NS**	9 U	0.36 U	3.5 U	4.9 U
Bis(2-Ethylhexyl)phthalate	**50**	**NS**	18 U	0.72 U	7.1 U	4.9 U
Butyl benzyl phthalate	**50**	**NS**	9 U	0.36 U	3.5 U	4.9 U
Carbazole	**NS**	**NS**	9 U	0.36 U	3.5 U	4.9 U
Chrysene	**0.4**	**3.9**	9 U	0.36	3.5 U	4.9 U
Di-n-butylphthalate	**8.1**	**NS**	9 U	0.36 U	3.5 U	4.9 U
Di-n-octylphthalate	**50**	**NS**	9 U	0.36 U	3.5 U	4.9 U
Dibenzo(a,h)anthracene	**0.014**	**0.33**	9 U	0.36 U	3.5 U	4.9 U
Dibenzofuran	**6.2**	**59**	9 U	0.36 U	3.5 U	4.9 U
Diethyl phthalate	**7.1**	**NS**	9 U	0.36 U	3.5 U	4.9 U
Dimethyl phthalate	**2**	**NS**	9 U	0.36 U	3.5 U	4.9 U
Fluoranthene	**50**	**100**	9 U	0.45	3.5 U	4.9 U
Fluorene	**50**	**100**	9 U	0.36 U	3.5 U	4.9 U
Hexachlorobenzene	**0.41**	**1.2**	9 U	0.36 U	3.5 U	4.9 U
Hexachlorobutadiene	**NS**	**NS**	18 U	0.72 U	7.1 U	9.8 U
Hexachlorocyclopentadiene	**NS**	**NS**	18 U	0.72 U	7.1 U	29 U
Hexachloroethane	**NS**	**NS**	9 U	0.36 U	3.5 U	4.9 U
Indeno(1,2,3-cd)Pyrene	**3.2**	**0.5**	9 U	0.36 U	3.5 U	6.8 U
Isophorone	**4.4**	**NS**	9 U	0.36 U	3.5 U	4.9 U
n-Nitrosodi-n-propylamine	**NS**	**NS**	9 U	0.36 U	3.5 U	4.9 U
Naphthalene	**13**	**100**	9 U	0.36 U	3.5 U	4.9 U
Nitrobenzene	**0.2**	**NS**	9 U	0.36 U	3.5 U	4.9 U
NitrosoDiPhenylAmine(NDPA)/DPA	**NS**	**NS**	27 U	1.1 U	11 U	15 U
P-Chloro-M-Cresol	**0.24**	**NS**	9 U	0.36 U	3.5 U	4.9 U
Pentachlorophenol	**1**	**6.7**	36 U	1.4 U	14 U	9.8 U
Phenanthrene	**50**	**100**	9 U	0.36 U	3.5 U	4.9 U
Phenol	**0.03**	**100**	12 U	0.51 U	5 U	6.8 U
Pyrene	**50**	**100**	9 U	0.43	3.5 U	4.9 U

Table 3
487 West 129th Street
New York, NY
Soil Analytical Results
Total Metals

Client ID Date Sampled Lab Sample ID Units Total Metals	TAGM 4046 RSCOs mg/kg	Eastern USA Background Concentrations mg/kg	Part 375 Restricted Residential mg/kg	SB-1 (0-2') 29-FEB-08 L0802902-02 mg/kg	SB-2 (0-2') 29-FEB-08 L0802902-03 mg/kg	SB-2 (12-14') 29-FEB-08 L0802902-04 mg/kg	SB-3 (0-2') 29-FEB-08 L0802902-05 mg/kg	SB-4 (0-3') 29-FEB-08 L0802902-06 mg/kg
Aluminum, Total	**SB**	**33000**	**NS**	12000	7100	8800	8100	9000
Antimony, Total	**SB**	**NS**	**NS**	2.8 U	4	2.8 U	4.6	2.6 U
Arsenic, Total	**7.5 or SB**	**3 – 12**	**16**	3.1	11	2.4	9.8	2.1
Barium, Total	**300 or SB**	**15 – 600**	**400**	75	61	33	180	40
Beryllium, Total	**0.16 or SB**	**0 – 1.75**	**72**	0.58	0.31	0.36	0.32	0.46
Cadmium, Total	**1 or SB**	**0.1 – 1**	**4**	0.57 U	0.57 U	0.55 U	0.8	0.53 U
Calcium, Total	**SB**	**130 – 35,000**	**NS**	4400	10000	1300	20000	1900
Chromium, Total	**10 or SB**	**1.5 – 40**	**110**	18	12	12	13	14
Cobalt, Total	**30 or SB**	**2.5 – 60**	**NS**	9.1	7.3	7.8	7.2	7.2
Copper, Total	**25 or SB**	**1 – 50**	**270**	17	59	13	79	26
Iron, Total	**2,000 or SB**	**2,000 – 550,000**	**NS**	19000	38000	21000	35000	11000
Lead, Total	**SB**	**NS**	**400**	12	200	5.5	1400	9.2
Magnesium, Total	**SB**	**100 – 5,000**	**NS**	5200	4900	3000	5500	3000
Manganese, Total	**SB**	**50 – 5,000**	**2,000**	260	370	450	320	280
Mercury, Total	**0.1**	**0.001 – 0.2**	**1**	0.09 U	1.2	0.1 U	0.97	0.09 U
Nickel, Total	**13 or SB**	**0.5 – 25**	**310**	20	16	16	16	19
Potassium, Total	**SB**	**8,500 – 43,000**	**NS**	4400	2200	820	1600	1000
Selenium, Total	**2 or SB**	**0.1 – 3.9**	**180**	2.8 U	2.8 U	2.8 U	2.8 U	2.6 U
Silver, Total	**SB**	**NS**	**180**	0.57 U	0.57 U	0.55 U	0.55 U	0.53 U
Sodium, Total	**SB**	**6,000 – 8,000**	**NS**	110	500	460	1100	480
Thallium, Total	**SB**	**NS**	**NS**	2.8 U	2.8 U	2.8 U	2.8 U	2.6 U
Vanadium, Total	**150 or SB**	**1 – 300**	**NS**	29	18	14	20	19
Zinc, Total	**20 or SB**	**9 – 50**	**10,000**	44	70	45	270	62

Table 3
487 West 129th Street
New York, NY
Soil Analytical Results
Total Metals

Client ID Date Sampled Lab Sample ID Units Total Metals	TAGM 4046 RSCOs mg/kg	Eastern USA Background Concentrations mg/kg	Part 375 Restricted Residential mg/kg	SB-4 (5-7') 29-FEB-08 L0802902-07 mg/kg	SB-5 (0-3') 29-FEB-08 L0802902-08 mg/kg	SB-5 (5-7') 29-FEB-08 L0802902-09 mg/kg	FB-1 29-FEB-08 L0802902-01 µg/L	TB-1 25-FEB-08 L0802902-11 µg/L
Aluminum, Total	**SB**	**33000**	**NS**	7200	11000	5700	100 U	100 U
Antimony, Total	**SB**	**NS**	**NS**	2.6 U	2.6 U	2.4 U	50 U	50 U
Arsenic, Total	**7.5 or SB**	**3 – 12**	**16**	1.1	4.5	3.7	5 U	5 U
Barium, Total	**300 or SB**	**15 – 600**	**400**	80	60	99	10 U	10 U
Beryllium, Total	**0.16 or SB**	**0 – 1.75**	**72**	0.41	0.5	0.33	5 U	5 U
Cadmium, Total	**1 or SB**	**0.1 – 1**	**4**	0.52 U	1.2	0.93	5 U	5 U
Calcium, Total	**SB**	**130 – 35,000**	**NS**	1900	9500	40000	150	180
Chromium, Total	**10 or SB**	**1.5 – 40**	**110**	32	14	8.8	10 U	10 U
Cobalt, Total	**30 or SB**	**2.5 – 60**	**NS**	6.6	10	3.3	20 U	20 U
Copper, Total	**25 or SB**	**1 – 50**	**270**	24	46	25	10 U	10 U
Iron, Total	**2,000 or SB**	**2,000 – 550,000**	**NS**	8800	20000	10000	50 U	50 U
Lead, Total	**SB**	**NS**	**400**	5.2	130	220	10 U	10 U
Magnesium, Total	**SB**	**100 – 5,000**	**NS**	3600	6400	4300	100 U	100 U
Manganese, Total	**SB**	**50 – 5,000**	**2,000**	620	310	240	10 U	10 U
Mercury, Total	**0.1**	**0.001 – 0.2**	**1**	0.08 U	0.16	0.16	0.2 U	0.2 U
Nickel, Total	**13 or SB**	**0.5 – 25**	**310**	20	32	8.5	25 U	25 U
Potassium, Total	**SB**	**8,500 – 43,000**	**NS**	760	1500	1200	2500 U	2500 U
Selenium, Total	**2 or SB**	**0.1 – 3.9**	**180**	2.6 U	2.6 U	2.4 U	10 U	10 U
Silver, Total	**SB**	**NS**	**180**	0.52 U	0.53 U	0.49 U	7 U	7 U
Sodium, Total	**SB**	**6,000 – 8,000**	**NS**	390	1700	860	2000 U	2000 U
Thallium, Total	**SB**	**NS**	**NS**	2.6 U	2.6 U	2.4 U	20 U	20 U
Vanadium, Total	**150 or SB**	**1 – 300**	**NS**	17	18	11	10 U	10 U
Zinc, Total	**20 or SB**	**9 – 50**	**10,000**	25	430	180	50 U	50 U

Table 4
487 West 129th Street
New York, NY
Soil Analytical Results
Pesticides and Polychlorinated Biphenyls

Client ID Date Sampled Lab Sample ID Units Organochlorine Pesticides by EPA 8081A	TAGM 4046 RSCOs mg/kg	Part 375 Restricted Residential mg/kg	SB-1 (0-2') 29-FEB-08 L0802902-02 mg/kg	SB-2 (0-2') 29-FEB-08 L0802902-03 mg/kg	SB-2 (12-14') 29-FEB-08 L0802902-04 mg/kg	SB-3 (0-2') 29-FEB-08 L0802902-05 mg/kg	SB-4 (0-3') 29-FEB-08 L0802902-06 mg/kg
4,4'-DDD	2.9	13	0.00383 U	0.00397 U	0.00388 U	0.0189 U	0.00374 U
4,4'-DDE	2.1	8.9	0.00383 U	0.00397 U	0.00388 U	0.0189 U	0.00374 U
4,4'-DDT	2.1	7.9	0.00383 U	0.00397 U	0.00388 U	0.0189 U	0.00374 U
Aldrin	0.041	0.097	0.00383 U	0.00397 U	0.00388 U	0.0189 U	0.00374 U
Alpha-BHC	0.11	0.48	0.00383 U	0.00397 U	0.00388 U	0.0189 U	0.00374 U
Beta-BHC	0.2	0.36	0.00383 U	0.00397 U	0.00388 U	0.0189 U	0.00374 U
Chlordane	0.54	4.2	0.0383 U	0.0397 U	0.0388 U	0.189 U	0.0374 U
Delta-BHC	0.3	100	0.00383 U	0.00397 U	0.00388 U	0.0189 U	0.00374 U
Dieldrin	0.044	0.2	0.00383 U	0.00397 U	0.00388 U	0.0189 U	0.00374 U
Endosulfan I	0.9	24	0.00383 U	0.00397 U	0.00388 U	0.0189 U	0.00374 U
Endosulfan II	0.9	24	0.00383 U	0.00397 U	0.00388 U	0.0189 U	0.00374 U
Endosulfan sulfate	1	24	0.00383 U	0.00397 U	0.00388 U	0.0189 U	0.00374 U
Endrin	0.1	11	0.00383 U	0.00397 U	0.00388 U	0.0189 U	0.00374 U
Endrin ketone	NS	NS	0.00383 U	0.00397 U	0.00388 U	0.0189 U	0.00374 U
Heptachlor	0.1	2.1	0.00383 U	0.00397 U	0.00388 U	0.0189 U	0.00374 U
Heptachlor epoxide	0.02	NS	0.00383 U	0.00397 U	0.00388 U	0.0189 U	0.00374 U
Lindane	0.06	1.3	0.00383 U	0.00397 U	0.00388 U	0.0189 U	0.00374 U
Methoxychlor	NS	NS	0.0153 U	0.0159 U	0.0155 U	0.0758 U	0.015 U
trans-Chlordane	NS	NS	0.00383 U	0.00397 U	0.00388 U	0.0189 U	0.00374 U
Polychlorinated Biphenyls by EPA 8082							
Aroclor 1016	1 / 10	1	0.0383 U	0.0397 U	0.0388 U	0.0758 U	0.0374 U
Aroclor 1221	1 / 10	1	0.0383 U	0.0397 U	0.0388 U	0.0758 U	0.0374 U
Aroclor 1232	1 / 10	1	0.0383 U	0.0397 U	0.0388 U	0.0758 U	0.0374 U
Aroclor 1242	1 / 10	1	0.0383 U	0.0397 U	0.0388 U	0.0758 U	0.0374 U
Aroclor 1248	1 / 10	1	0.0383 U	0.0397 U	0.0388 U	0.0758 U	0.0374 U
Aroclor 1254	1 / 10	1	0.0383 U	0.0397 U	0.0388 U	0.0758 U	0.0374 U
Aroclor 1260	1 / 10	1	0.0383 U	0.0397 U	0.0388 U	0.0758 U	0.0374 U

Table 4
487 West 129th Street
New York, NY
Soil Analytical Results
Pesticides and Polychlorinated Biphenyls

Client ID Date Sampled Lab Sample ID Units Organochlorine Pesticides by EPA 8081A	TAGM 4046 RSCOs mg/kg	Part 375 Restricted Residential mg/kg	SB-4 (5-7') 29-FEB-08 L0802902-07 mg/kg	SB-5 (0-3') 29-FEB-08 L0802902-08 mg/kg	SB-5 (5-7') 29-FEB-08 L0802902-09 mg/kg	FB-1 29-FEB-08 L0802902-01 µg/L
4,4'-DDD	**2.9**	**13**	0.00358 U	0.00362 U	0.00355 U	0.042 U
4,4'-DDE	**2.1**	**8.9**	0.00358 U	0.00362 U	0.00355 U	0.042 U
4,4'-DDT	**2.1**	**7.9**	0.00358 U	0.00362 U	0.00355 U	0.042 U
Aldrin	**0.041**	**0.097**	0.00358 U	0.00362 U	0.00355 U	0.021 U
Alpha-BHC	**0.11**	**0.48**	0.00358 U	0.00362 U	0.00355 U	0.021 U
Beta-BHC	**0.2**	**0.36**	0.00358 U	0.00362 U	0.00355 U	0.021 U
Chlordane	**0.54**	**4.2**	0.0358 U	0.0362 U	0.0355 U	0.208 U
Delta-BHC	**0.3**	**100**	0.00358 U	0.00362 U	0.00355 U	0.021 U
Dieldrin	**0.044**	**0.2**	0.00358 U	0.00362 U	0.00355 U	0.042 U
Endosulfan I	**0.9**	**24**	0.00358 U	0.00362 U	0.00355 U	0.021 U
Endosulfan II	**0.9**	**24**	0.00358 U	0.00362 U	0.00355 U	0.042 U
Endosulfan sulfate	**1**	**24**	0.00358 U	0.00362 U	0.00355 U	0.042 U
Endrin	**0.1**	**11**	0.00358 U	0.00362 U	0.00355 U	0.042 U
Endrin ketone	**NS**	**NS**	0.00358 U	0.00362 U	0.00355 U	0.042 U
Heptachlor	**0.1**	**2.1**	0.00358 U	0.00362 U	0.00355 U	0.021 U
Heptachlor epoxide	**0.02**	**NS**	0.00358 U	0.00362 U	0.00355 U	0.021 U
Lindane	**0.06**	**1.3**	0.00358 U	0.00362 U	0.00355 U	0.021 U
Methoxychlor	**NS**	**NS**	0.0143 U	0.0145 U	0.0142 U	0.208 U
trans-Chlordane	**NS**	**NS**	0.00358 U	0.00362 U	0.00355 U	0.021 U
Polychlorinated Biphenyls by EPA 8082						
Aroclor 1016	**1 / 10**	**1**	0.0358 U	0.0362 U	0.0355 U	0.1 U
Aroclor 1221	**1 / 10**	**1**	0.0358 U	0.0362 U	0.0355 U	0.1 U
Aroclor 1232	**1 / 10**	**1**	0.0358 U	0.0362 U	0.0355 U	0.1 U
Aroclor 1242	**1 / 10**	**1**	0.0358 U	0.0362 U	0.0355 U	0.1 U
Aroclor 1248	**1 / 10**	**1**	0.0358 U	0.0362 U	0.0355 U	0.1 U
Aroclor 1254	**1 / 10**	**1**	0.0358 U	0.0362 U	0.0355 U	0.1 U
Aroclor 1260	**1 / 10**	**1**	0.0358 U	0.0362 U	0.0355 U	0.1 U

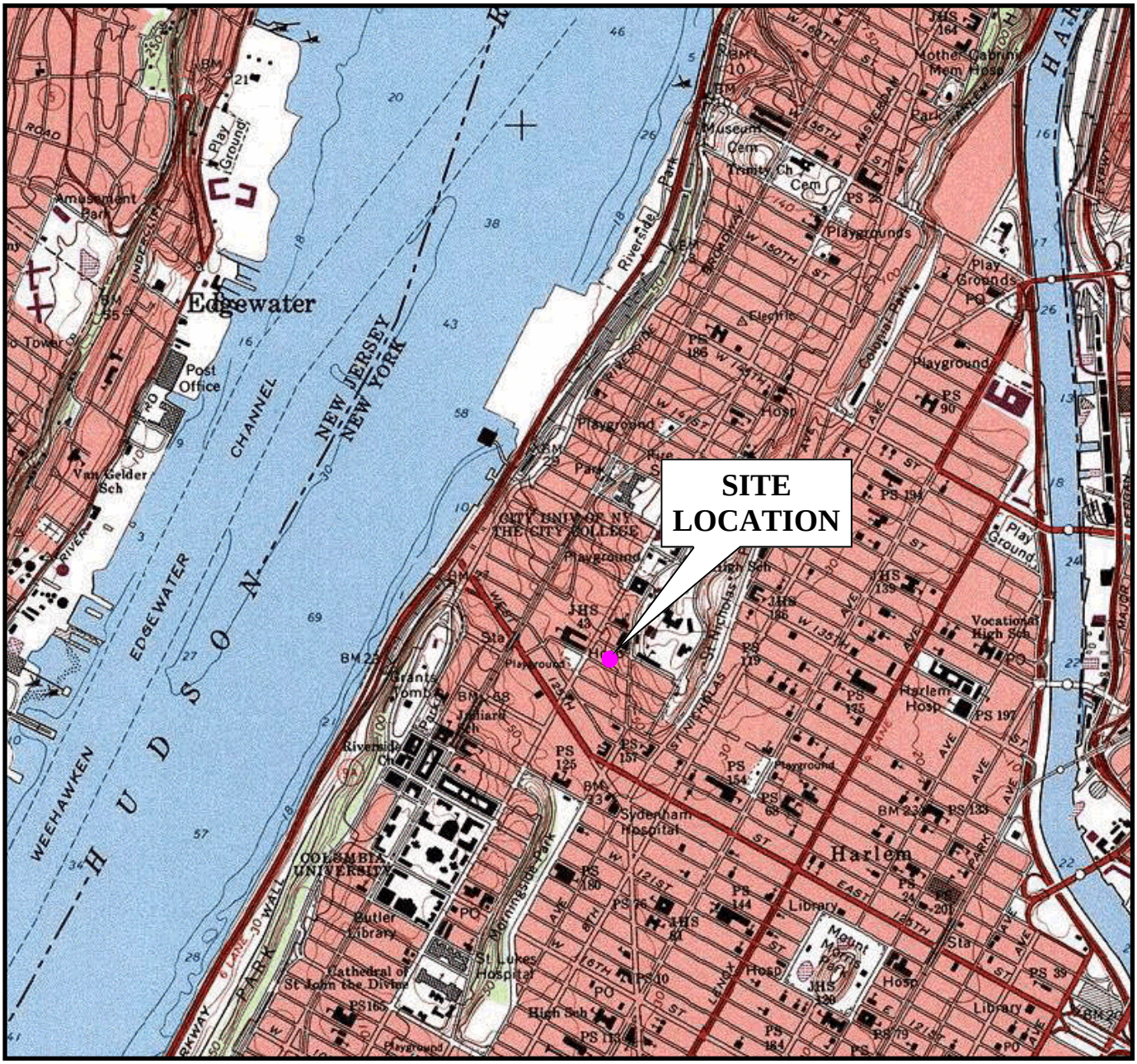
Table Notes
487 West 129th Street
New York, NY
Soil Analytical Results

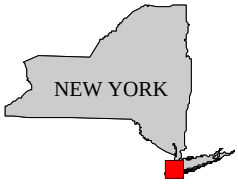
NS	:	No soil clean-up objective listed
NA	:	Not Analyzed
U	:	compound not detected
mg/kg	:	milligrams per kilogram = parts per million (ppm)
µg/L	:	micrograms per liter, or parts per billion
Part 375 Soil Cleanup Objectives	:	Soil Clean-up Objectives listed in NYSDEC (New York State Department of Environmental Conservation) "Part 375" Regulations (6 NYCRR Park 375).
TAGM 4046 Recommended Soil Cleanup Objectives		Recommended Soil Clean-up Objectives listed in NYSDEC (New York State Department of Environmental Conservation) Technical and Administrative Guidance Memorandum (TAGM) #4046

Laboratory analytical methods included the following:
TCL VOCs using EPA Method 8260
TCL SVOCs using EPA Method 8270 (base neutral compounds only)
PCBs using EPA Method 8082
Pesticides using EPA Method 8081
TAL metals using EPA Methods 6010B and 7470A

Analysis results from a field blank sample and a trip blank sample are included for comparison with the sample results in order to indicate the presence of any cross-contamination or laboratory contaminants. Since the field blank and trip blank samples were collected in a water matrix, the blank results are reported in parts per billion (ppb).

FIGURES

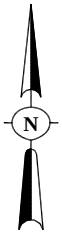




SCALE IN FEET

0’ 1000’ 2000’ 4000’

SCALE: 1”=2000’



SOURCE:

7.5 MINUTE SERIES USGS TOPOGRAPHIC MAP
QUADRANGLE: CENTRAL PARK, NY 1995

487 WEST 129th STREET
NEW YORK, NEW YORK

PROJECT SITE LOCATION

AKRF

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

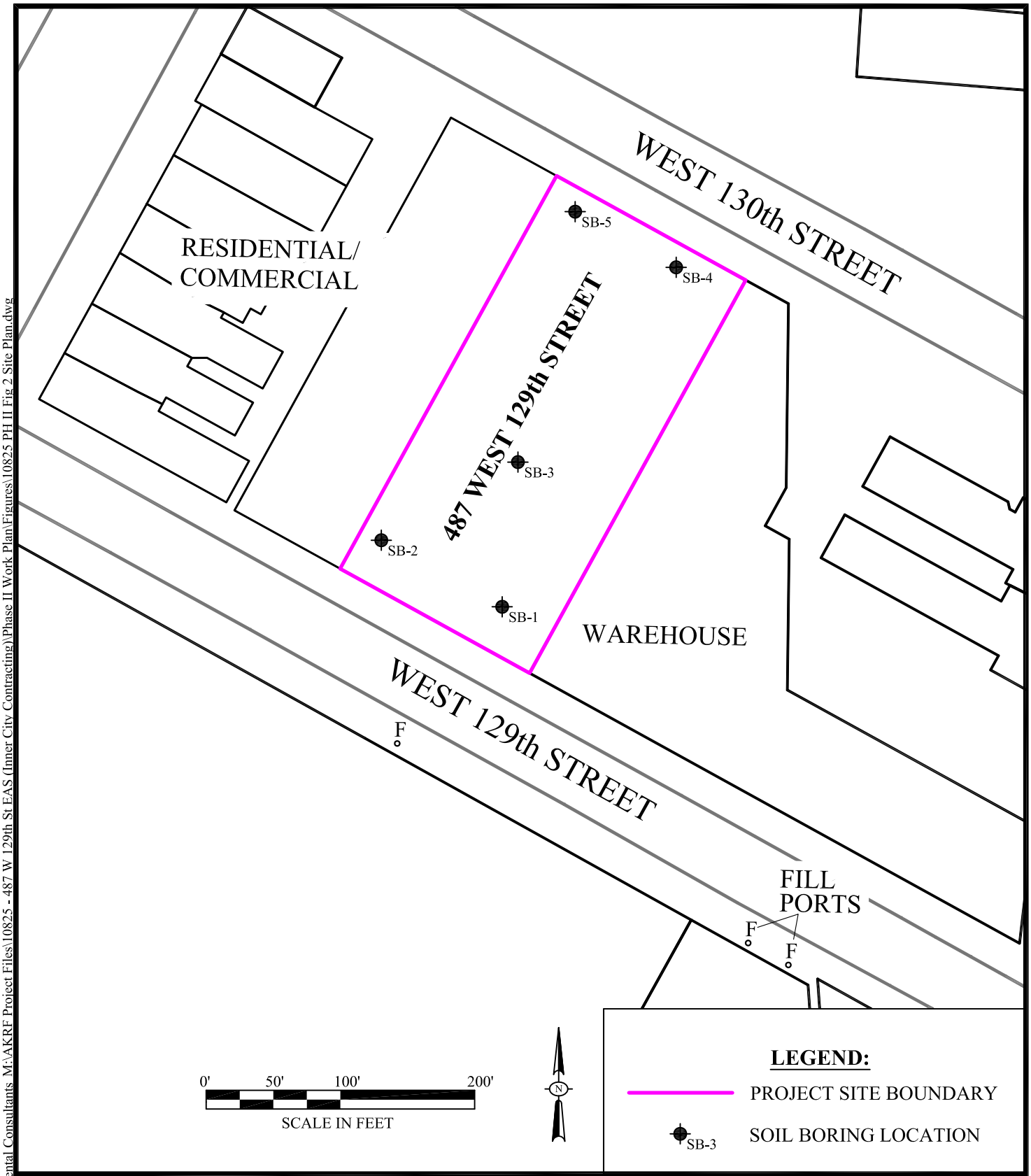
DATE **3.12.07**

PROJECT No. **10825**

SCALE **AS SHOWN**

FIGURE **1**

© 2007 AKRF, Inc. Environmental Consultants M:\AKRF Project Files\10825 - 487 W 129th St EAS (Inner City Contracting)\Phase II Work Plan\Figures\10825 Fig 1 loc map.pub



487 WEST 129th STREET

NEW YORK, NEW YORK

SITE PLAN DETAIL

AKRF

Environmental Consultants

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

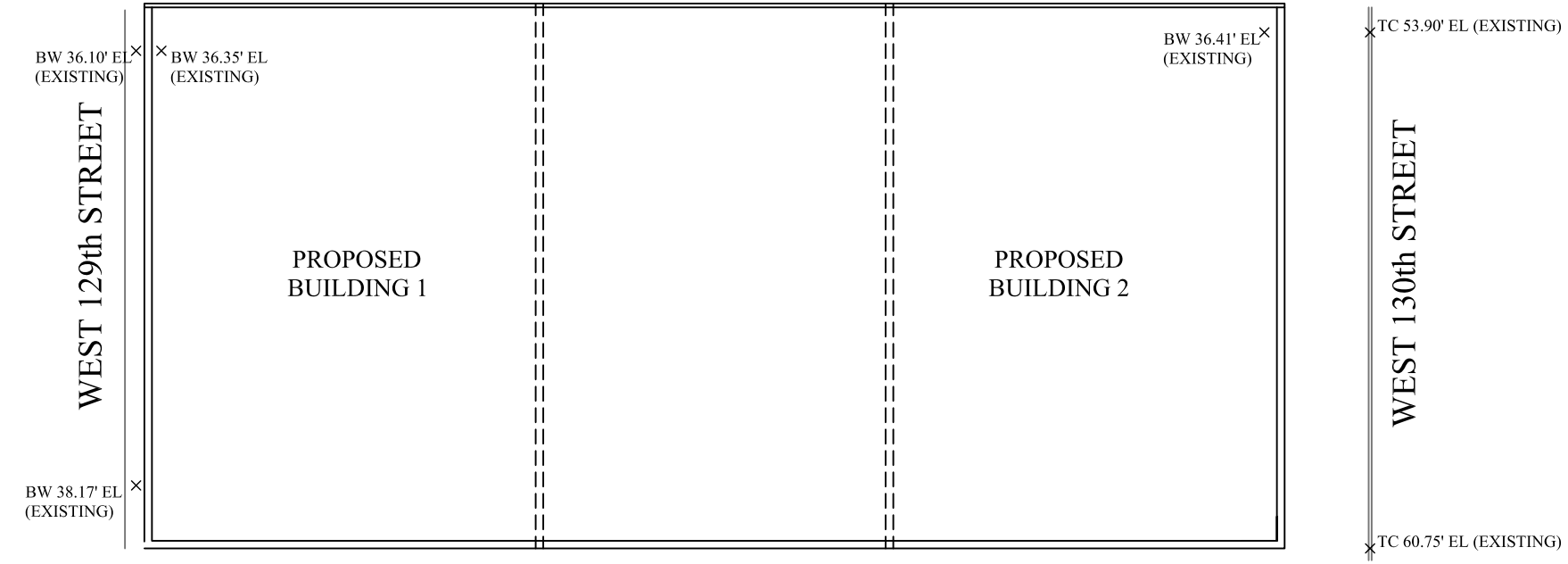
DATE **03.05.08**

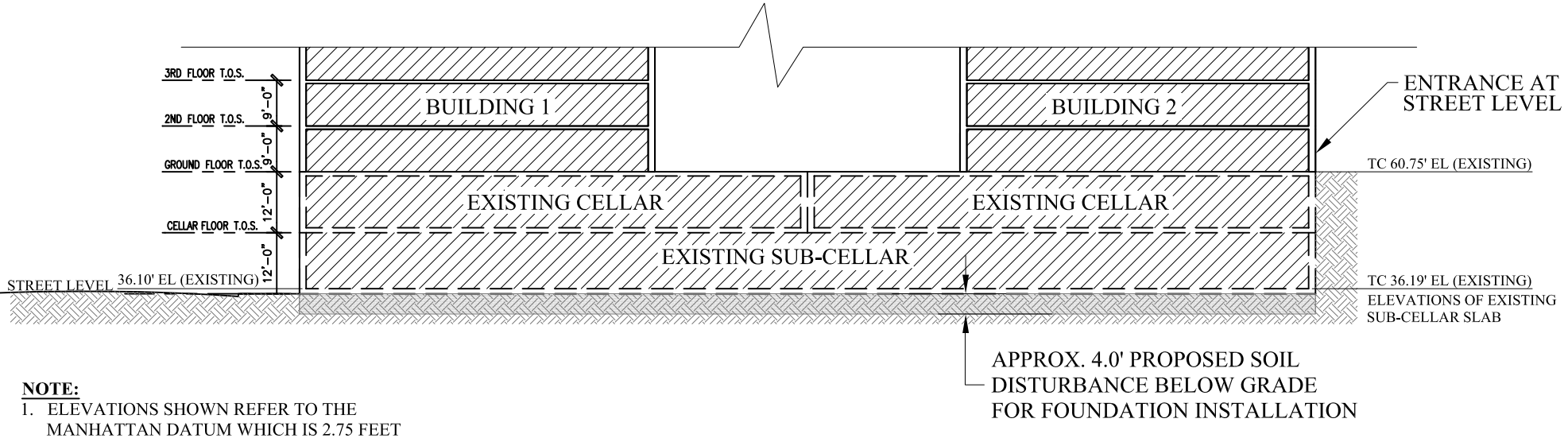
PROJECT No. **10825**

SCALE **AS SHOWN**

FIGURE **2**

© 2008 AKRF, Inc. Environmental Consultants M:\AKRF Project Files\10825 - 487 W 129th St EAS (Inner City Contracting)\Phase II Work Plan\Figures\10825 PH II Fig 2 Site Plan.dwg





NOTE:

1. ELEVATIONS SHOWN REFER TO THE MANHATTAN DATUM WHICH IS 2.75 FEET ABOVE MEAN SEA LEVEL AT SANDY HOOK, NJ AS ESTBLISHED BY THE U.S. COAST AND GEODETIC SURVEY.

2. BASE MAP PROVIDED BY THOMAS O'HARA(ARCHITECT, PLLC 136th 35th STREET NEW YORK, NY 10018 MARCH 2006.

487 WEST 129th STREET

NEW YORK, NEW YORK

SITE SURVEY AND PROPOSED NORTH/SOUTH BUILDING ELEVATIONS

AKRF

Environmental Consultants

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

DATE **3.20.08**

PROJECT No. **11054**

SCALE **nts**

FIGURE **3**

© 2008 AKRF, Inc. Environmental Consultants M:\AKRF Project Files\10825 - 487 W 129th St EAS (Inner City Contracting)\Phase II\Figures\10825 Fig 3 bldg elevation.dwg

APPENDIX A
BORING LOGS

AKRF, Inc.

Environmental Consultants

440 Park Avenue South, 7th Floor
New York, NY 10016

487 West 129th Street, New York, NY

AKRF Project Number : 10825

Boring No.	**SB-1**
Sheet	1 of 1

Drilling Method:	Track-mounted Geoprobe 7720DT	**Drilling**	
Sampling Method:	5-foot Macrocore	**Start**	**Finish**
Driller :	Zebra	**Time: 0930**	**Time: 0945**
Weather:	Clear, 20 ºF	**Date:** 2/29/08	**Date:** 2/29/08
Sampler:	AKRF/ Asya Kleyn		

Depth (feet)	Recovery (Inches)	Surface Condition: 3"-thick concrete	Soil Head Space PID Reading (ppm)	Odor	Moisture	Soil Samples Collected for Lab Analyses
1 2 3 4 5	18"	Brown SAND, trace fine Gravel, Silt, Concrete (FILL).	6.7	slight tar-like	Top 12": dry Middle 1": moist Bottom 5": dry	SB-1 (0'-2')
6 7 8 9 10	4"	Brown SAND, fine GRAVEL and CONCRETE, trace Silt (FILL).	157	slight petroleum-like	dry	
11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28		**End of boring at 6 feet.**				

Notes: **PID - Photoionization detector**

Refusal at 6 feet below grade, before groundwater was encountered. Soil samples analyzed for VOCs, SVOCs, pesticides, PCBs, and TAL metals.

AKRF, Inc.

Environmental Consultants

440 Park Avenue South, 7th Floor
New York, NY 10016

487 West 129th Street, New York, NY

AKRF Project Number : 10825

Boring No. SB-2

Sheet 1 of 1

Drilling Method:	Track-mounted Geoprobe 7720DT	**Drilling**	
Sampling Method:	5-foot Macrocore	**Start**	**Finish**
Driller :	Zebra	**Time: 0915**	**Time: 0930**
Weather:	Clear, 20 ºF	**Date:** 2/29/08	**Date:** 2/29/08
Sampler:	AKRF/ Asya Kleyn		

Depth (feet)	Recovery (Inches)	Surface Condition: 3"-thick concrete	Soil Head Space PID Reading (ppm)	Odor	Moisture	Soil Samples Collected for Lab Analyses
1	24"	Top 2": CONCRETE (FILL). Middle 4" : Black SAND and CONCRETE, trace Ash (FILL). Bottom 18": Brown SAND, trace fine Gravel, Silt, Glass (FILL).	0.1	organic	dry	SB-2 (0'-2')
6	48"	Brown medium to fine SAND, trace Silt.	ND	none	dry	
11	54"	Top 6": Brown medium to fine SAND, trace Silt. Bottom 48": Gray medium to fine SAND.	936	petroleum-like	moist	SB-2 (12'-14')
16		**End of boring at 14 feet.**				

Notes: **PID - Photoionization detector** **ND - Not Detected**

Groundwater was encountered at approximately 13 feet. Refusal at 14 feet below grade. Installed temporary one-inch well screen at 9'-14' below surface. Groundwater samples were not taken due to poor recovery time. Soil samples analyzed for VOCs, SVOCs, pesticides, PCBs, and TAL metals.

AKRF, Inc.

Environmental Consultants

440 Park Avenue South, 7th Floor
New York, NY 10016

487 West 129th Street, New York, NY

AKRF Project Number : 10825

Boring No.	**SB-3**
Sheet	1 of 1

Drilling Method:	Track-mounted Geoprobe 7720DT	**Drilling**	
Sampling Method:	5-foot Macrocore	**Start**	**Finish**
Driller :	Zebra	**Time: 0955**	**Time: 1005**
Weather:	Clear, 20 ºF	**Date:** 2/29/08	**Date:** 2/29/08
Sampler:	AKRF/ Asya Kleyn		

Depth (feet)	Recovery (Inches)	Surface Condition: 3"-thick concrete	Soil Head Space PID Reading (ppm)	Odor	Moisture	Soil Samples Collected for Lab Analyses
1	24"	Top 18": Brown SAND, trace Brick, fine Gravel, Concrete, Silt (FILL). Bottom 6": GRAVEL and ASH (FILL).	0.7	slight tar-like	moist	SB-3 (0'-2')
2						
3						
4						
5						
6		**End of boring at 4.5 feet.**				
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						

Notes: **PID - Photoionization detector**

Refusal at 4.5 feet, before groundwater was encountered. Soil samples analyzed for VOCs, SVOCs, pesticides, PCBs, and TAL metals.

AKRF, Inc.

Environmental Consultants

440 Park Avenue South, 7th Floor
New York, NY 10016

487 West 129th Street, New York, NY

AKRF Project Number : 10825

Drilling Method:	Track-mounted Geoprobe 7720DT
Sampling Method:	5-foot Macrocore
Driller :	Zebra
Weather:	Clear, 20 ºF
Sampler:	AKRF/ Asya Kleyn

Boring No.	**SB-4**
Sheet	1 of 1
Drilling	
Start	**Finish**
Time: 1010	**Time: 1020**
Date: 2/29/08	**Date:** 2/29/08

Depth (feet)	Recovery (Inches)	Surface Condition: 3"-thick concrete	Soil Head Space PID Reading (ppm)	Odor	Moisture	Soil Samples Collected for Lab Analyses
1 2 3 4 5	36"	Brown SAND, trace fine Gravel, Silt, Concrete, Brick (FILL).	1	slight tar-like	Top 6" - dry Middle 1" - moist Bottom 29" - dry	SB-4 (0'-3')
6 7 8 9 10	24"	Brown SAND, trace fine Gravel, Silt, Concrete, Brick, Glass (FILL).	0.3	slight tar-like	moist	SB-4 (5'-7')
11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28		**End of boring at 6.5 feet.**				

Notes: **PID - Photoionization detector**

Refusal at 6.5 feet below grade, before groundwater was encountered. Soil samples analyzed for VOCs, SVOCs, pesticides, PCBs, and TAL metals.

AKRF, Inc.

Environmental Consultants

440 Park Avenue South, 7th Floor
New York, NY 10016

487 West 129th Street, New York, NY

AKRF Project Number : 10825

Boring No. SB-5

Sheet 1 of 1

Drilling Method:	Track-mounted Geoprobe 7720DT	**Drilling**	
Sampling Method:	5-foot Macrocore	**Start**	**Finish**
Driller :	Zebra	**Time:**	**Time:**
Weather:	Clear, 20 ºF	**Date:** 2/29/08	**Date:** 2/29/08
Sampler:	AKRF/ Asya Kleyn		

Depth (feet)	Recovery (Inches)	Surface Condition: 3"-thick concrete	Soil Head Space PID Reading (ppm)	Odor	Moisture	Soil Samples Collected for Lab Analyses
1	30"	Top 2": CONCRETE (FILL). Next 6": Brown SAND, trace fine Gravel, Silt, Brick, Ash (FILL). Next 3": COAL and ASH (FILL). Next 3": Brown SAND, trace Clay, Silt, fine Gravel. Next 1": Fine GRAVEL. Bottom 15": Brown SAND, trace Clay, Silt, fine Gravel.	ND	tar-like	dry	SB-5 (0'-3')
6	24"	Top 12": Brown SAND, trace fine Gravel, Silt, Glass, Brick (FILL). Bottom 12": Brown SAND, trace fine Gravel, Silt.	ND	slight tar-like	dry	SB-5 (5'-7')
11		**End of boring at 7 feet.**				

Notes: **PID - Photoionization detector** **ND - Not Detected**

Refusal at 7 feet below grade, before groundwater was encountered. Soil samples analyzed for VOCs, SVOCs, pesticides, PCBs, and TAL metals.

APPENDIX B

LABORATORY ANALYTICAL DATA SHEETS

ALPHA ANALYTICAL

Eight Walkup Drive
Westborough, Massachusetts 01581-1019
(508) 898-9220 www.alphalab.com
MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

CERTIFICATE OF ANALYSIS

Client: AKRF, Inc.

Address: 440 Park Avenue South
New York, NY 10016

Attn: Ms. Asya Kleyn

Project Number: 10825

Laboratory Job Number: L0802902

Date Received: 29-FEB-2008

Date Reported: 10-MAR-2008

Delivery Method: Alpha

Site: 487 W. 129TH STREET

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0802902-01	FB-1	NEW YORK, NY
L0802902-02	SB-1 (0-2')	NEW YORK, NY
L0802902-03	SB-2 (0-2')	NEW YORK, NY
L0802902-04	SB-2 (12-14')	NEW YORK, NY
L0802902-05	SB-3 (0-2')	NEW YORK, NY
L0802902-06	SB-4 (0-3')	NEW YORK, NY
L0802902-07	SB-4 (5-7')	NEW YORK, NY
L0802902-08	SB-5 (0-3')	NEW YORK, NY
L0802902-09	SB-5 (5-7')	NEW YORK, NY
L0802902-10	FD-1	NEW YORK, NY
L0802902-11	TB-1	NEW YORK, NY

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized by: _____
Technical Representative

ALPHA ANALYTICAL
NARRATIVE REPORT

Laboratory Job Number: L0802902

The samples were received in accordance with the chain of custody and no significant deviations were encountered during preparation or analysis unless otherwise noted below.

Sample Receipt

At the client's request, the analysis of sample "FD-1" was placed on hold.

With the client's authorization, the following compounds are not reported on the Volatile Organics list: p-Diethylbenzene, 4-Ethyltoluene, and 1,2,4,5-Tetramethylbenzene.

Total Metals

The samples were re-analyzed on dilution in order to quantitate the samples within the dynamic linear range for Calcium and Iron. The dilutions are as follows:

L0802902-03: 10x for Iron

L0802902-05: 10x for Calcium and Iron

L0802902-09: 10x for Calcium

The WG313283-1 laboratory duplicate RPD for Arsenic is above method acceptance criteria due to sample non-homogeneity.

The WG313460-1 laboratory duplicate RPD for Calcium is above method acceptance criteria, however, the sample and duplicate results are less than 5 times the reporting limit, therefore, the RPD is valid.

The WG313283-2 MS % recoveries for Aluminum, Calcium, Iron, Magnesium, Manganese, and Potassium are invalid because the sample concentration is greater than four times the spike amount added. The MS % recovery for Antimony is below method acceptance criteria. A post-digestion spike was performed with an acceptable recovery of 92%. The MS % recovery for Sodium is above method acceptance criteria due to the concentration (below reporting limit) of this element in the spiked sample.

Calcium is present in the WG313283-3 method blank, however, all associated sample results are greater than 10x the amount detected in the blank.

Volatile Organics

L0802907-04 has elevated detection limits due to the 200x dilution required by the elevated concentrations of non-target compounds in the sample.

The surrogate % recovery for 1,2-Dichloroethane-d4 is above method acceptance criteria on L0802902-05. Re-analysis achieved similar results. The results of both analyses are reported.

The surrogate % recovery for 4-Bromofluorobenzene is above method acceptance criteria on L0802902-07. The sample is non-detect for all target compounds.

Semivolatile Organics

L0802902-03 has elevated detection limits due to the 5x dilution required by the sample matrix.

L0802902-05, -06, and -07 have elevated detection limits due to the 5x dilutions required by the matrix interferences encountered during the concentration of the samples and the 5x dilutions required by the matrix of the samples (total dilutions 25x). The surrogates could not be recovered due to the dilutions required to quantitate the samples.

L0802902-09 has elevated detection limits due to the 10x dilution required by the elevated concentrations of non-target compounds in the sample.

The WG313384-2 LCS % recovery for 2,4-Dinitrotoluene is above, and the LCS % recovery for 2,4-Dinitrophenol is below, method acceptance criteria. The MS/MSD % recoveries are acceptable.

The WG313384-3/4 MS % recoveries for Fluoranthene and Pyrene are above method acceptance criteria due to the presence of these compounds in the spiked sample. The LCS % recoveries are acceptable.

WG313450: An LCS/LCSD was performed in lieu of an MS/MSD due to limited sample volume available for analysis.

The WG313450-2/3 LCS/LCSD RPDs are above method acceptance criteria for 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,4-Dichlorobenzene, and 2-Chlorophenol.

PCB

L0802902-05 has elevated detection limits due to the 2x dilution required by the matrix interferences encountered during the concentration of the sample.

Pesticides

L0802902-05 has elevated detection limits due to the 5x dilution required by the sample matrix.

WG313451: An LCS/LCSD was performed in lieu of an MS/MSD due to insufficient sample volume available for analysis.

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0802902-01
FB-1
Sample Matrix: WATER

Date Collected: 29-FEB-2008 11:20
Date Received : 29-FEB-2008
Date Reported : 10-MAR-2008

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 3-Amber,2-Plastic,2-Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals								
Aluminum, Total	ND	mg/l	0.10	1	6010B	0304 15:00	0306 10:30	AI
Antimony, Total	ND	mg/l	0.050	1	6010B	0304 15:00	0306 10:30	AI
Arsenic, Total	ND	mg/l	0.005	1	6010B	0304 15:00	0306 10:30	AI
Barium, Total	ND	mg/l	0.010	1	6010B	0304 15:00	0306 10:30	AI
Beryllium, Total	ND	mg/l	0.005	1	6010B	0304 15:00	0306 10:30	AI
Cadmium, Total	ND	mg/l	0.005	1	6010B	0304 15:00	0306 10:30	AI
Calcium, Total	0.15	mg/l	0.10	1	6010B	0304 15:00	0306 10:30	AI
Chromium, Total	ND	mg/l	0.01	1	6010B	0304 15:00	0306 10:30	AI
Cobalt, Total	ND	mg/l	0.020	1	6010B	0304 15:00	0306 10:30	AI
Copper, Total	ND	mg/l	0.010	1	6010B	0304 15:00	0306 10:30	AI
Iron, Total	ND	mg/l	0.05	1	6010B	0304 15:00	0306 10:30	AI
Lead, Total	ND	mg/l	0.010	1	6010B	0304 15:00	0306 10:30	AI
Magnesium, Total	ND	mg/l	0.10	1	6010B	0304 15:00	0306 10:30	AI
Manganese, Total	ND	mg/l	0.010	1	6010B	0304 15:00	0306 10:30	AI
Mercury, Total	ND	mg/l	0.0002	1	7470A	0304 10:15	0304 15:08	RC
Nickel, Total	ND	mg/l	0.025	1	6010B	0304 15:00	0306 10:30	AI
Potassium, Total	ND	mg/l	2.5	1	6010B	0304 15:00	0306 10:30	AI
Selenium, Total	ND	mg/l	0.010	1	6010B	0304 15:00	0306 10:30	AI
Silver, Total	ND	mg/l	0.007	1	6010B	0304 15:00	0306 10:30	AI
Sodium, Total	ND	mg/l	2.0	1	6010B	0304 15:00	0306 10:30	AI
Thallium, Total	ND	mg/l	0.020	1	6010B	0304 15:00	0306 10:30	AI
Vanadium, Total	ND	mg/l	0.010	1	6010B	0304 15:00	0306 10:30	AI
Zinc, Total	ND	mg/l	0.050	1	6010B	0304 15:00	0306 10:30	AI
Dissolved Metals								
Aluminum, Dissolved	ND	mg/l	0.10	1	6010B	0301 11:45	0304 10:57	AI
Antimony, Dissolved	ND	mg/l	0.050	1	6010B	0301 11:45	0304 10:57	AI
Arsenic, Dissolved	ND	mg/l	0.005	1	6010B	0301 11:45	0304 10:57	AI
Barium, Dissolved	ND	mg/l	0.010	1	6010B	0301 11:45	0304 10:57	AI
Beryllium, Dissolved	ND	mg/l	0.005	1	6010B	0301 11:45	0304 10:57	AI
Cadmium, Dissolved	ND	mg/l	0.005	1	6010B	0301 11:45	0304 10:57	AI
Calcium, Dissolved	0.18	mg/l	0.10	1	6010B	0301 11:45	0304 10:57	AI
Chromium, Dissolved	ND	mg/l	0.01	1	6010B	0301 11:45	0304 10:57	AI
Cobalt, Dissolved	ND	mg/l	0.020	1	6010B	0301 11:45	0304 10:57	AI
Copper, Dissolved	ND	mg/l	0.010	1	6010B	0301 11:45	0304 10:57	AI
Iron, Dissolved	ND	mg/l	0.05	1	6010B	0301 11:45	0304 10:57	AI

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-01
FB-1

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Dissolved Metals								
Lead, Dissolved	ND	mg/l	0.010	1	6010B	0301 11:45	0304 10:57	AI
Magnesium, Dissolved	ND	mg/l	0.10	1	6010B	0301 11:45	0304 10:57	AI
Manganese, Dissolved	ND	mg/l	0.010	1	6010B	0301 11:45	0304 10:57	AI
Mercury, Dissolved	ND	mg/l	0.0002	1	7470A	0305 16:00	0306 18:08	RC
Nickel, Dissolved	ND	mg/l	0.025	1	6010B	0301 11:45	0304 10:57	AI
Potassium, Dissolved	ND	mg/l	2.5	1	6010B	0301 11:45	0304 10:57	AI
Selenium, Dissolved	ND	mg/l	0.010	1	6010B	0301 11:45	0304 10:57	AI
Silver, Dissolved	ND	mg/l	0.007	1	6010B	0301 11:45	0304 10:57	AI
Sodium, Dissolved	ND	mg/l	2.0	1	6010B	0301 11:45	0304 10:57	AI
Thallium, Dissolved	ND	mg/l	0.020	1	6010B	0301 11:45	0304 10:57	AI
Vanadium, Dissolved	ND	mg/l	0.010	1	6010B	0301 11:45	0304 10:57	AI
Zinc, Dissolved	ND	mg/l	0.050	1	6010B	0301 11:45	0304 10:57	AI
Volatile Organics by EPA 8260B				1	8260B		0310 14:58	BS
Methylene chloride	ND	ug/l	5.0					
1,1-Dichloroethane	ND	ug/l	0.75					
Chloroform	ND	ug/l	0.75					
Carbon tetrachloride	ND	ug/l	0.50					
1,2-Dichloropropane	ND	ug/l	1.8					
Dibromochloromethane	ND	ug/l	0.50					
1,1,2-Trichloroethane	ND	ug/l	0.75					
Tetrachloroethene	ND	ug/l	0.50					
Chlorobenzene	ND	ug/l	0.50					
Trichlorofluoromethane	ND	ug/l	2.5					
1,2-Dichloroethane	ND	ug/l	0.50					
1,1,1-Trichloroethane	ND	ug/l	0.50					
Bromodichloromethane	ND	ug/l	0.50					
trans-1,3-Dichloropropene	ND	ug/l	0.50					
cis-1,3-Dichloropropene	ND	ug/l	0.50					
1,1-Dichloropropene	ND	ug/l	2.5					
Bromoform	ND	ug/l	2.0					
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50					
Benzene	ND	ug/l	0.50					
Toluene	ND	ug/l	0.75					
Ethylbenzene	ND	ug/l	0.50					
Chloromethane	ND	ug/l	2.5					
Bromomethane	ND	ug/l	1.0					
Vinyl chloride	ND	ug/l	1.0					
Chloroethane	ND	ug/l	1.0					
1,1-Dichloroethene	ND	ug/l	0.50					
trans-1,2-Dichloroethene	ND	ug/l	0.75					
Trichloroethene	ND	ug/l	0.50					
1,2-Dichlorobenzene	ND	ug/l	2.5					
1,3-Dichlorobenzene	ND	ug/l	2.5					
1,4-Dichlorobenzene	ND	ug/l	2.5					
Methyl tert butyl ether	ND	ug/l	1.0					
p/m-Xylene	ND	ug/l	1.0					
o-Xylene	ND	ug/l	1.0					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-01
FB-1

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0310 14:58	BS
cis-1,2-Dichloroethene	ND	ug/l	0.50					
Dibromomethane	ND	ug/l	5.0					
1,2,3-Trichloropropane	ND	ug/l	5.0					
Styrene	ND	ug/l	1.0					
Dichlorodifluoromethane	ND	ug/l	5.0					
Acetone	ND	ug/l	5.0					
Carbon disulfide	ND	ug/l	5.0					
2-Butanone	ND	ug/l	5.0					
Vinyl acetate	ND	ug/l	5.0					
4-Methyl-2-pentanone	ND	ug/l	5.0					
2-Hexanone	ND	ug/l	5.0					
Bromochloromethane	ND	ug/l	2.5					
2,2-Dichloropropane	ND	ug/l	2.5					
1,2-Dibromoethane	ND	ug/l	2.0					
1,3-Dichloropropane	ND	ug/l	2.5					
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50					
Bromobenzene	ND	ug/l	2.5					
n-Butylbenzene	ND	ug/l	0.50					
sec-Butylbenzene	ND	ug/l	0.50					
tert-Butylbenzene	ND	ug/l	2.5					
o-Chlorotoluene	ND	ug/l	2.5					
p-Chlorotoluene	ND	ug/l	2.5					
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5					
Hexachlorobutadiene	ND	ug/l	0.60					
Isopropylbenzene	ND	ug/l	0.50					
p-Isopropyltoluene	ND	ug/l	0.50					
Naphthalene	ND	ug/l	2.5					
n-Propylbenzene	ND	ug/l	0.50					
1,2,3-Trichlorobenzene	ND	ug/l	2.5					
1,2,4-Trichlorobenzene	ND	ug/l	2.5					
1,3,5-Trimethylbenzene	ND	ug/l	2.5					
1,2,4-Trimethylbenzene	ND	ug/l	2.5					
Surrogate(s)	Recovery		QC Criteria					
1,2-Dichloroethane-d4	94.0	%	70-130					
Toluene-d8	99.0	%	70-130					
4-Bromofluorobenzene	102	%	70-130					
Dibromofluoromethane	101	%	70-130					
Semivolatile Organics by EPA 8270C				1	8270C	0304 14:30	0305 16:45	AK
Acenaphthene	ND	ug/l	4.9					
1,2,4-Trichlorobenzene	ND	ug/l	4.9					
Hexachlorobenzene	ND	ug/l	4.9					
Bis(2-chloroethyl)ether	ND	ug/l	4.9					
2-Chloronaphthalene	ND	ug/l	5.9					
1,2-Dichlorobenzene	ND	ug/l	4.9					
1,3-Dichlorobenzene	ND	ug/l	4.9					
1,4-Dichlorobenzene	ND	ug/l	4.9					
3,3'-Dichlorobenzidine	ND	ug/l	49.					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-01
FB-1

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0304 14:30	0305 16:45	AK
2,4-Dinitrotoluene	ND	ug/l	5.9					
2,6-Dinitrotoluene	ND	ug/l	4.9					
Fluoranthene	ND	ug/l	4.9					
4-Chlorophenyl phenyl ether	ND	ug/l	4.9					
4-Bromophenyl phenyl ether	ND	ug/l	4.9					
Bis(2-chloroisopropyl)ether	ND	ug/l	4.9					
Bis(2-chloroethoxy)methane	ND	ug/l	4.9					
Hexachlorobutadiene	ND	ug/l	9.8					
Hexachlorocyclopentadiene	ND	ug/l	29.					
Hexachloroethane	ND	ug/l	4.9					
Isophorone	ND	ug/l	4.9					
Naphthalene	ND	ug/l	4.9					
Nitrobenzene	ND	ug/l	4.9					
NitrosoDiPhenylAmine(NDPA)/DPA	ND	ug/l	15.					
n-Nitrosodi-n-propylamine	ND	ug/l	4.9					
Bis(2-Ethylhexyl)phthalate	ND	ug/l	4.9					
Butyl benzyl phthalate	ND	ug/l	4.9					
Di-n-butylphthalate	ND	ug/l	4.9					
Di-n-octylphthalate	ND	ug/l	4.9					
Diethyl phthalate	ND	ug/l	4.9					
Dimethyl phthalate	ND	ug/l	4.9					
Benzo(a)anthracene	ND	ug/l	4.9					
Benzo(a)pyrene	ND	ug/l	4.9					
Benzo(b)fluoranthene	ND	ug/l	4.9					
Benzo(k)fluoranthene	ND	ug/l	4.9					
Chrysene	ND	ug/l	4.9					
Acenaphthylene	ND	ug/l	4.9					
Anthracene	ND	ug/l	4.9					
Benzo(ghi)perylene	ND	ug/l	4.9					
Fluorene	ND	ug/l	4.9					
Phenanthrene	ND	ug/l	4.9					
Dibenzo(a,h)anthracene	ND	ug/l	4.9					
Indeno(1,2,3-cd)Pyrene	ND	ug/l	6.8					
Pyrene	ND	ug/l	4.9					
Biphenyl	ND	ug/l	4.9					
4-Chloroaniline	ND	ug/l	4.9					
2-Nitroaniline	ND	ug/l	4.9					
3-Nitroaniline	ND	ug/l	4.9					
4-Nitroaniline	ND	ug/l	6.8					
Dibenzofuran	ND	ug/l	4.9					
2-Methylnaphthalene	ND	ug/l	4.9					
1,2,4,5-Tetrachlorobenzene	ND	ug/l	20.					
Acetophenone	ND	ug/l	20.					
2,4,6-Trichlorophenol	ND	ug/l	4.9					
P-Chloro-M-Cresol	ND	ug/l	4.9					
2-Chlorophenol	ND	ug/l	5.9					
2,4-Dichlorophenol	ND	ug/l	9.8					
2,4-Dimethylphenol	ND	ug/l	9.8					
2-Nitrophenol	ND	ug/l	20.					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-01
FB-1

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0304 14:30	0305 16:45	AK
4-Nitrophenol	ND	ug/l	9.8					
2,4-Dinitrophenol	ND	ug/l	29.					
4,6-Dinitro-o-cresol	ND	ug/l	20.					
Pentachlorophenol	ND	ug/l	9.8					
Phenol	ND	ug/l	6.8					
2-Methylphenol	ND	ug/l	5.9					
3-Methylphenol/4-Methylphenol	ND	ug/l	5.9					
2,4,5-Trichlorophenol	ND	ug/l	4.9					
Benzoic Acid	ND	ug/l	49.					
Benzyl Alcohol	ND	ug/l	9.8					
Carbazole	ND	ug/l	4.9					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	34.0	%	21-120					
Phenol-d6	28.0	%	10-120					
Nitrobenzene-d5	71.0	%	23-120					
2-Fluorobiphenyl	67.0	%	43-120					
2,4,6-Tribromophenol	76.0	%	10-120					
4-Terphenyl-d14	84.0	%	33-120					
Polychlorinated Biphenyls by EPA 8082				1	8082	0304 14:30	0306 23:29	SS
Aroclor 1016	ND	ug/l	0.100					
Aroclor 1221	ND	ug/l	0.100					
Aroclor 1232	ND	ug/l	0.100					
Aroclor 1242	ND	ug/l	0.100					
Aroclor 1248	ND	ug/l	0.100					
Aroclor 1254	ND	ug/l	0.100					
Aroclor 1260	ND	ug/l	0.100					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	59.0	%	30-150					
Decachlorobiphenyl	82.0	%	30-150					
Organochlorine Pesticides by EPA 8081A				1	8081A	0304 14:30	0306 15:06	JB
Delta-BHC	ND	ug/l	0.021					
Lindane	ND	ug/l	0.021					
Alpha-BHC	ND	ug/l	0.021					
Beta-BHC	ND	ug/l	0.021					
Heptachlor	ND	ug/l	0.021					
Aldrin	ND	ug/l	0.021					
Heptachlor epoxide	ND	ug/l	0.021					
Endrin	ND	ug/l	0.042					
Endrin ketone	ND	ug/l	0.042					
Dieldrin	ND	ug/l	0.042					
4,4'-DDE	ND	ug/l	0.042					
4,4'-DDD	ND	ug/l	0.042					
4,4'-DDT	ND	ug/l	0.042					
Endosulfan I	ND	ug/l	0.021					
Endosulfan II	ND	ug/l	0.042					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-01
FB-1

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Organochlorine Pesticides by EPA 8081A cont'd				1	8081A	0304 14:30	0306 15:06	JB
Endosulfan sulfate	ND	ug/l	0.042					
Methoxychlor	ND	ug/l	0.208					
trans-Chlordane	ND	ug/l	0.021					
Chlordane	ND	ug/l	0.208					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	68.0	%	30-150					
Decachlorobiphenyl	60.0	%	30-150					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0802902-02
SB-1 (0-2')
Sample Matrix: SOIL

Date Collected: 29-FEB-2008 10:00
Date Received : 29-FEB-2008
Date Reported : 10-MAR-2008

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber,1-Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	87	%	0.10	30	2540G		0303 20:10	NM
Total Metals								
Aluminum, Total	12000	mg/kg	5.7	1	6010B	0301 13:50	0303 09:20	MG
Antimony, Total	ND	mg/kg	2.8	1	6010B	0301 13:50	0303 09:20	MG
Arsenic, Total	3.1	mg/kg	0.57	1	6010B	0301 13:50	0303 09:20	MG
Barium, Total	75	mg/kg	0.57	1	6010B	0301 13:50	0303 09:20	MG
Beryllium, Total	0.58	mg/kg	0.28	1	6010B	0301 13:50	0303 09:20	MG
Cadmium, Total	ND	mg/kg	0.57	1	6010B	0301 13:50	0303 09:20	MG
Calcium, Total	4400	mg/kg	5.7	1	6010B	0301 13:50	0303 09:20	MG
Chromium, Total	18	mg/kg	0.57	1	6010B	0301 13:50	0303 09:20	MG
Cobalt, Total	9.1	mg/kg	1.1	1	6010B	0301 13:50	0303 09:20	MG
Copper, Total	17	mg/kg	0.57	1	6010B	0301 13:50	0303 09:20	MG
Iron, Total	19000	mg/kg	2.8	1	6010B	0301 13:50	0303 09:20	MG
Lead, Total	12	mg/kg	2.8	1	6010B	0301 13:50	0303 09:20	MG
Magnesium, Total	5200	mg/kg	5.7	1	6010B	0301 13:50	0303 09:20	MG
Manganese, Total	260	mg/kg	0.57	1	6010B	0301 13:50	0303 09:20	MG
Mercury, Total	ND	mg/kg	0.09	1	7471A	0304 20:00	0305 10:26	DM
Nickel, Total	20	mg/kg	1.4	1	6010B	0301 13:50	0303 09:20	MG
Potassium, Total	4400	mg/kg	140	1	6010B	0301 13:50	0303 09:20	MG
Selenium, Total	ND	mg/kg	2.8	1	6010B	0301 13:50	0303 09:20	MG
Silver, Total	ND	mg/kg	0.57	1	6010B	0301 13:50	0303 09:20	MG
Sodium, Total	110	mg/kg	110	1	6010B	0301 13:50	0303 09:20	MG
Thallium, Total	ND	mg/kg	2.8	1	6010B	0301 13:50	0303 09:20	MG
Vanadium, Total	29	mg/kg	0.57	1	6010B	0301 13:50	0303 09:20	MG
Zinc, Total	44	mg/kg	2.8	1	6010B	0301 13:50	0303 09:20	MG
Volatile Organics by EPA 8260B				1	8260B		0305 12:58	GK
Methylene chloride	ND	ug/kg	29.					
1,1-Dichloroethane	ND	ug/kg	4.3					
Chloroform	ND	ug/kg	4.3					
Carbon tetrachloride	ND	ug/kg	2.9					
1,2-Dichloropropane	ND	ug/kg	10.					
Dibromochloromethane	ND	ug/kg	2.9					
1,1,2-Trichloroethane	ND	ug/kg	4.3					
Tetrachloroethene	ND	ug/kg	2.9					
Chlorobenzene	ND	ug/kg	2.9					
Trichlorofluoromethane	ND	ug/kg	14.					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-02
SB-1 (0-2')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0305 12:58	GK
1,2-Dichloroethane	ND	ug/kg	2.9					
1,1,1-Trichloroethane	ND	ug/kg	2.9					
Bromodichloromethane	ND	ug/kg	2.9					
trans-1,3-Dichloropropene	ND	ug/kg	2.9					
cis-1,3-Dichloropropene	ND	ug/kg	2.9					
1,1-Dichloropropene	ND	ug/kg	14.					
Bromoform	ND	ug/kg	11.					
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.9					
Benzene	ND	ug/kg	2.9					
Toluene	ND	ug/kg	4.3					
Ethylbenzene	ND	ug/kg	2.9					
Chloromethane	ND	ug/kg	14.					
Bromomethane	ND	ug/kg	5.7					
Vinyl chloride	ND	ug/kg	5.7					
Chloroethane	ND	ug/kg	5.7					
1,1-Dichloroethene	ND	ug/kg	2.9					
trans-1,2-Dichloroethene	ND	ug/kg	4.3					
Trichloroethene	ND	ug/kg	2.9					
1,2-Dichlorobenzene	ND	ug/kg	14.					
1,3-Dichlorobenzene	ND	ug/kg	14.					
1,4-Dichlorobenzene	ND	ug/kg	14.					
Methyl tert butyl ether	ND	ug/kg	5.7					
p/m-Xylene	ND	ug/kg	5.7					
o-Xylene	ND	ug/kg	5.7					
cis-1,2-Dichloroethene	ND	ug/kg	2.9					
Dibromomethane	ND	ug/kg	29.					
Styrene	ND	ug/kg	5.7					
Dichlorodifluoromethane	ND	ug/kg	29.					
Acetone	ND	ug/kg	29.					
Carbon disulfide	ND	ug/kg	29.					
2-Butanone	ND	ug/kg	29.					
Vinyl acetate	ND	ug/kg	29.					
4-Methyl-2-pentanone	ND	ug/kg	29.					
1,2,3-Trichloropropane	ND	ug/kg	29.					
2-Hexanone	ND	ug/kg	29.					
Bromochloromethane	ND	ug/kg	14.					
2,2-Dichloropropane	ND	ug/kg	14.					
1,2-Dibromoethane	ND	ug/kg	11.					
1,3-Dichloropropane	ND	ug/kg	14.					
1,1,1,2-Tetrachloroethane	ND	ug/kg	2.9					
Bromobenzene	ND	ug/kg	14.					
n-Butylbenzene	ND	ug/kg	2.9					
sec-Butylbenzene	ND	ug/kg	2.9					
tert-Butylbenzene	ND	ug/kg	14.					
o-Chlorotoluene	ND	ug/kg	14.					
p-Chlorotoluene	ND	ug/kg	14.					
1,2-Dibromo-3-chloropropane	ND	ug/kg	14.					
Hexachlorobutadiene	ND	ug/kg	14.					
Isopropylbenzene	ND	ug/kg	2.9					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-02
SB-1 (0-2')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0305 12:58	GK
p-Isopropyltoluene	ND	ug/kg	2.9					
Naphthalene	ND	ug/kg	14.					
n-Propylbenzene	ND	ug/kg	2.9					
1,2,3-Trichlorobenzene	ND	ug/kg	14.					
1,2,4-Trichlorobenzene	ND	ug/kg	14.					
1,3,5-Trimethylbenzene	ND	ug/kg	14.					
1,2,4-Trimethylbenzene	ND	ug/kg	14.					
1,4-Diethylbenzene	ND	ug/kg	2.9					
4-Ethyltoluene	ND	ug/kg	2.9					
1,2,4,5-Tetramethylbenzene	ND	ug/kg	2.9					
Surrogate(s)	Recovery		QC Criteria					
1,2-Dichloroethane-d4	106	%	70-130					
Toluene-d8	99.0	%	70-130					
4-Bromofluorobenzene	107	%	70-130					
Dibromofluoromethane	89.0	%	70-130					
Semivolatile Organics by EPA 8270C				1	8270C	0303 21:30	0305 17:16	AK
Acenaphthene	ND	ug/kg	380					
1,2,4-Trichlorobenzene	ND	ug/kg	380					
Hexachlorobenzene	ND	ug/kg	380					
Bis(2-chloroethyl)ether	ND	ug/kg	380					
2-Chloronaphthalene	ND	ug/kg	460					
1,2-Dichlorobenzene	ND	ug/kg	380					
1,3-Dichlorobenzene	ND	ug/kg	380					
1,4-Dichlorobenzene	ND	ug/kg	380					
3,3'-Dichlorobenzidine	ND	ug/kg	770					
2,4-Dinitrotoluene	ND	ug/kg	380					
2,6-Dinitrotoluene	ND	ug/kg	380					
Fluoranthene	800	ug/kg	380					
4-Chlorophenyl phenyl ether	ND	ug/kg	380					
4-Bromophenyl phenyl ether	ND	ug/kg	380					
Bis(2-chloroisopropyl)ether	ND	ug/kg	380					
Bis(2-chloroethoxy)methane	ND	ug/kg	380					
Hexachlorobutadiene	ND	ug/kg	770					
Hexachlorocyclopentadiene	ND	ug/kg	770					
Hexachloroethane	ND	ug/kg	380					
Isophorone	ND	ug/kg	380					
Naphthalene	ND	ug/kg	380					
Nitrobenzene	ND	ug/kg	380					
NitrosoDiPhenylAmine(NDPA)/DPA	ND	ug/kg	1100					
n-Nitrosodi-n-propylamine	ND	ug/kg	380					
Bis(2-Ethylhexyl)phthalate	ND	ug/kg	770					
Butyl benzyl phthalate	ND	ug/kg	380					
Di-n-butylphthalate	ND	ug/kg	380					
Di-n-octylphthalate	ND	ug/kg	380					
Diethyl phthalate	ND	ug/kg	380					
Dimethyl phthalate	ND	ug/kg	380					
Benzo(a)anthracene	430	ug/kg	380					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-02
SB-1 (0-2')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0303 21:30	0305 17:16	AK
Benzo(a)pyrene	380	ug/kg	380					
Benzo(b)fluoranthene	450	ug/kg	380					
Benzo(k)fluoranthene	ND	ug/kg	380					
Chrysene	400	ug/kg	380					
Acenaphthylene	ND	ug/kg	380					
Anthracene	ND	ug/kg	380					
Benzo(ghi)perylene	ND	ug/kg	380					
Fluorene	ND	ug/kg	380					
Phenanthrene	850	ug/kg	380					
Dibenzo(a,h)anthracene	ND	ug/kg	380					
Indeno(1,2,3-cd)Pyrene	ND	ug/kg	380					
Pyrene	820	ug/kg	380					
Biphenyl	ND	ug/kg	380					
4-Chloroaniline	ND	ug/kg	380					
2-Nitroaniline	ND	ug/kg	380					
3-Nitroaniline	ND	ug/kg	380					
4-Nitroaniline	ND	ug/kg	540					
Dibenzofuran	ND	ug/kg	380					
2-Methylnaphthalene	ND	ug/kg	380					
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	1500					
Acetophenone	ND	ug/kg	1500					
2,4,6-Trichlorophenol	ND	ug/kg	380					
P-Chloro-M-Cresol	ND	ug/kg	380					
2-Chlorophenol	ND	ug/kg	460					
2,4-Dichlorophenol	ND	ug/kg	770					
2,4-Dimethylphenol	ND	ug/kg	380					
2-Nitrophenol	ND	ug/kg	1500					
4-Nitrophenol	ND	ug/kg	770					
2,4-Dinitrophenol	ND	ug/kg	1500					
4,6-Dinitro-o-cresol	ND	ug/kg	1500					
Pentachlorophenol	ND	ug/kg	1500					
Phenol	ND	ug/kg	540					
2-Methylphenol	ND	ug/kg	460					
3-Methylphenol/4-Methylphenol	ND	ug/kg	460					
2,4,5-Trichlorophenol	ND	ug/kg	380					
Benzoic Acid	ND	ug/kg	3800					
Benzyl Alcohol	ND	ug/kg	770					
Carbazole	ND	ug/kg	380					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	72.0	%	25-120					
Phenol-d6	75.0	%	10-120					
Nitrobenzene-d5	67.0	%	23-120					
2-Fluorobiphenyl	67.0	%	30-120					
2,4,6-Tribromophenol	27.0	%	19-120					
4-Terphenyl-d14	83.0	%	18-120					
Polychlorinated Biphenyls by EPA 8082				1	8082	0303 19:00	0306 01:39	SS
Aroclor 1016	ND	ug/kg	38.3					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-02
SB-1 (0-2')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Polychlorinated Biphenyls by EPA 8082 cont'd				1	8082	0303 19:00	0306 01:39	SS
Aroclor 1221	ND	ug/kg	38.3					
Aroclor 1232	ND	ug/kg	38.3					
Aroclor 1242	ND	ug/kg	38.3					
Aroclor 1248	ND	ug/kg	38.3					
Aroclor 1254	ND	ug/kg	38.3					
Aroclor 1260	ND	ug/kg	38.3					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	74.0	%	30-150					
Decachlorobiphenyl	89.0	%	30-150					
Organochlorine Pesticides by EPA 8081A				1	8081A	0303 18:00	0305 20:44	JB
Delta-BHC	ND	ug/kg	3.83					
Lindane	ND	ug/kg	3.83					
Alpha-BHC	ND	ug/kg	3.83					
Beta-BHC	ND	ug/kg	3.83					
Heptachlor	ND	ug/kg	3.83					
Aldrin	ND	ug/kg	3.83					
Heptachlor epoxide	ND	ug/kg	3.83					
Endrin	ND	ug/kg	3.83					
Endrin ketone	ND	ug/kg	3.83					
Dieldrin	ND	ug/kg	3.83					
4,4'-DDE	ND	ug/kg	3.83					
4,4'-DDD	ND	ug/kg	3.83					
4,4'-DDT	ND	ug/kg	3.83					
Endosulfan I	ND	ug/kg	3.83					
Endosulfan II	ND	ug/kg	3.83					
Endosulfan sulfate	ND	ug/kg	3.83					
Methoxychlor	ND	ug/kg	15.3					
trans-Chlordane	ND	ug/kg	3.83					
Chlordane	ND	ug/kg	38.3					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	63.0	%	30-150					
Decachlorobiphenyl	54.0	%	30-150					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0802902-03
SB-2 (0-2')
Sample Matrix: SOIL

Date Collected: 29-FEB-2008 09:20
Date Received : 29-FEB-2008
Date Reported : 10-MAR-2008

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber,1-Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	84	%	0.10	30	2540G		0303 20:10	NM
Total Metals								
Aluminum, Total	7100	mg/kg	5.7	1	6010B	0301 13:50	0303 09:32	MG
Antimony, Total	4.0	mg/kg	2.8	1	6010B	0301 13:50	0303 09:32	MG
Arsenic, Total	11	mg/kg	0.57	1	6010B	0301 13:50	0303 09:32	MG
Barium, Total	61	mg/kg	0.57	1	6010B	0301 13:50	0303 09:32	MG
Beryllium, Total	0.31	mg/kg	0.28	1	6010B	0301 13:50	0303 09:32	MG
Cadmium, Total	ND	mg/kg	0.57	1	6010B	0301 13:50	0303 09:32	MG
Calcium, Total	10000	mg/kg	5.7	1	6010B	0301 13:50	0303 09:32	MG
Chromium, Total	12	mg/kg	0.57	1	6010B	0301 13:50	0303 09:32	MG
Cobalt, Total	7.3	mg/kg	1.1	1	6010B	0301 13:50	0303 09:32	MG
Copper, Total	59	mg/kg	0.57	1	6010B	0301 13:50	0303 09:32	MG
Iron, Total	38000	mg/kg	28	1	6010B	0301 13:50	0306 13:41	MG
Lead, Total	200	mg/kg	2.8	1	6010B	0301 13:50	0303 09:32	MG
Magnesium, Total	4900	mg/kg	5.7	1	6010B	0301 13:50	0303 09:32	MG
Manganese, Total	370	mg/kg	0.57	1	6010B	0301 13:50	0303 09:32	MG
Mercury, Total	1.2	mg/kg	0.10	1	7471A	0304 20:00	0305 10:32	DM
Nickel, Total	16	mg/kg	1.4	1	6010B	0301 13:50	0303 09:32	MG
Potassium, Total	2200	mg/kg	140	1	6010B	0301 13:50	0303 09:32	MG
Selenium, Total	ND	mg/kg	2.8	1	6010B	0301 13:50	0303 09:32	MG
Silver, Total	ND	mg/kg	0.57	1	6010B	0301 13:50	0303 09:32	MG
Sodium, Total	500	mg/kg	110	1	6010B	0301 13:50	0303 09:32	MG
Thallium, Total	ND	mg/kg	2.8	1	6010B	0301 13:50	0303 09:32	MG
Vanadium, Total	18	mg/kg	0.57	1	6010B	0301 13:50	0303 09:32	MG
Zinc, Total	70	mg/kg	2.8	1	6010B	0301 13:50	0303 09:32	MG
Volatile Organics by EPA 8260B				1	8260B		0305 13:36	GK
Methylene chloride	ND	ug/kg	30.					
1,1-Dichloroethane	ND	ug/kg	4.5					
Chloroform	ND	ug/kg	4.5					
Carbon tetrachloride	ND	ug/kg	3.0					
1,2-Dichloropropane	ND	ug/kg	10.					
Dibromochloromethane	ND	ug/kg	3.0					
1,1,2-Trichloroethane	ND	ug/kg	4.5					
Tetrachloroethene	ND	ug/kg	3.0					
Chlorobenzene	ND	ug/kg	3.0					
Trichlorofluoromethane	ND	ug/kg	15.					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-03
SB-2 (0-2')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0305 13:36	GK
1,2-Dichloroethane	ND	ug/kg	3.0					
1,1,1-Trichloroethane	ND	ug/kg	3.0					
Bromodichloromethane	ND	ug/kg	3.0					
trans-1,3-Dichloropropene	ND	ug/kg	3.0					
cis-1,3-Dichloropropene	ND	ug/kg	3.0					
1,1-Dichloropropene	ND	ug/kg	15.					
Bromoform	ND	ug/kg	12.					
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.0					
Benzene	8.4	ug/kg	3.0					
Toluene	13	ug/kg	4.5					
Ethylbenzene	ND	ug/kg	3.0					
Chloromethane	ND	ug/kg	15.					
Bromomethane	ND	ug/kg	6.0					
Vinyl chloride	ND	ug/kg	6.0					
Chloroethane	ND	ug/kg	6.0					
1,1-Dichloroethene	ND	ug/kg	3.0					
trans-1,2-Dichloroethene	ND	ug/kg	4.5					
Trichloroethene	ND	ug/kg	3.0					
1,2-Dichlorobenzene	ND	ug/kg	15.					
1,3-Dichlorobenzene	ND	ug/kg	15.					
1,4-Dichlorobenzene	ND	ug/kg	15.					
Methyl tert butyl ether	ND	ug/kg	6.0					
p/m-Xylene	ND	ug/kg	6.0					
o-Xylene	ND	ug/kg	6.0					
cis-1,2-Dichloroethene	ND	ug/kg	3.0					
Dibromomethane	ND	ug/kg	30.					
Styrene	ND	ug/kg	6.0					
Dichlorodifluoromethane	ND	ug/kg	30.					
Acetone	ND	ug/kg	30.					
Carbon disulfide	ND	ug/kg	30.					
2-Butanone	ND	ug/kg	30.					
Vinyl acetate	ND	ug/kg	30.					
4-Methyl-2-pentanone	ND	ug/kg	30.					
1,2,3-Trichloropropane	ND	ug/kg	30.					
2-Hexanone	ND	ug/kg	30.					
Bromochloromethane	ND	ug/kg	15.					
2,2-Dichloropropane	ND	ug/kg	15.					
1,2-Dibromoethane	ND	ug/kg	12.					
1,3-Dichloropropane	ND	ug/kg	15.					
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.0					
Bromobenzene	ND	ug/kg	15.					
n-Butylbenzene	ND	ug/kg	3.0					
sec-Butylbenzene	ND	ug/kg	3.0					
tert-Butylbenzene	ND	ug/kg	15.					
o-Chlorotoluene	ND	ug/kg	15.					
p-Chlorotoluene	ND	ug/kg	15.					
1,2-Dibromo-3-chloropropane	ND	ug/kg	15.					
Hexachlorobutadiene	ND	ug/kg	15.					
Isopropylbenzene	ND	ug/kg	3.0					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-03
SB-2 (0-2')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0305 13:36	GK
p-Isopropyltoluene	ND	ug/kg	3.0					
Naphthalene	ND	ug/kg	15.					
n-Propylbenzene	ND	ug/kg	3.0					
1,2,3-Trichlorobenzene	ND	ug/kg	15.					
1,2,4-Trichlorobenzene	ND	ug/kg	15.					
1,3,5-Trimethylbenzene	ND	ug/kg	15.					
1,2,4-Trimethylbenzene	ND	ug/kg	15.					
1,4-Diethylbenzene	ND	ug/kg	3.0					
4-Ethyltoluene	ND	ug/kg	3.0					
1,2,4,5-Tetramethylbenzene	ND	ug/kg	3.0					
Surrogate(s)	Recovery		QC Criteria					
1,2-Dichloroethane-d4	113	%	70-130					
Toluene-d8	106	%	70-130					
4-Bromofluorobenzene	117	%	70-130					
Dibromofluoromethane	91.0	%	70-130					
Semivolatile Organics by EPA 8270C				1	8270C	0303 21:30	0305 17:40	AK
Acenaphthene	ND	ug/kg	2000					
1,2,4-Trichlorobenzene	ND	ug/kg	2000					
Hexachlorobenzene	ND	ug/kg	2000					
Bis(2-chloroethyl)ether	ND	ug/kg	2000					
2-Chloronaphthalene	ND	ug/kg	2400					
1,2-Dichlorobenzene	ND	ug/kg	2000					
1,3-Dichlorobenzene	ND	ug/kg	2000					
1,4-Dichlorobenzene	ND	ug/kg	2000					
3,3'-Dichlorobenzidine	ND	ug/kg	4000					
2,4-Dinitrotoluene	ND	ug/kg	2000					
2,6-Dinitrotoluene	ND	ug/kg	2000					
Fluoranthene	ND	ug/kg	2000					
4-Chlorophenyl phenyl ether	ND	ug/kg	2000					
4-Bromophenyl phenyl ether	ND	ug/kg	2000					
Bis(2-chloroisopropyl)ether	ND	ug/kg	2000					
Bis(2-chloroethoxy)methane	ND	ug/kg	2000					
Hexachlorobutadiene	ND	ug/kg	4000					
Hexachlorocyclopentadiene	ND	ug/kg	4000					
Hexachloroethane	ND	ug/kg	2000					
Isophorone	ND	ug/kg	2000					
Naphthalene	2100	ug/kg	2000					
Nitrobenzene	ND	ug/kg	2000					
NitrosoDiPhenylAmine(NDPA)/DPA	ND	ug/kg	6000					
n-Nitrosodi-n-propylamine	ND	ug/kg	2000					
Bis(2-Ethylhexyl)phthalate	ND	ug/kg	4000					
Butyl benzyl phthalate	ND	ug/kg	2000					
Di-n-butylphthalate	ND	ug/kg	2000					
Di-n-octylphthalate	ND	ug/kg	2000					
Diethyl phthalate	ND	ug/kg	2000					
Dimethyl phthalate	ND	ug/kg	2000					
Benzo(a)anthracene	ND	ug/kg	2000					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-03
SB-2 (0-2')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0303 21:30	0305 17:40	AK
Benzo(a)pyrene	ND	ug/kg	2000					
Benzo(b)fluoranthene	ND	ug/kg	2000					
Benzo(k)fluoranthene	ND	ug/kg	2000					
Chrysene	ND	ug/kg	2000					
Acenaphthylene	ND	ug/kg	2000					
Anthracene	ND	ug/kg	2000					
Benzo(ghi)perylene	ND	ug/kg	2000					
Fluorene	ND	ug/kg	2000					
Phenanthrene	ND	ug/kg	2000					
Dibenzo(a,h)anthracene	ND	ug/kg	2000					
Indeno(1,2,3-cd)Pyrene	ND	ug/kg	2000					
Pyrene	ND	ug/kg	2000					
Biphenyl	ND	ug/kg	2000					
4-Chloroaniline	ND	ug/kg	2000					
2-Nitroaniline	ND	ug/kg	2000					
3-Nitroaniline	ND	ug/kg	2000					
4-Nitroaniline	ND	ug/kg	2800					
Dibenzofuran	ND	ug/kg	2000					
2-Methylnaphthalene	ND	ug/kg	2000					
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	7900					
Acetophenone	ND	ug/kg	7900					
2,4,6-Trichlorophenol	ND	ug/kg	2000					
P-Chloro-M-Cresol	ND	ug/kg	2000					
2-Chlorophenol	ND	ug/kg	2400					
2,4-Dichlorophenol	ND	ug/kg	4000					
2,4-Dimethylphenol	ND	ug/kg	2000					
2-Nitrophenol	ND	ug/kg	7900					
4-Nitrophenol	ND	ug/kg	4000					
2,4-Dinitrophenol	ND	ug/kg	7900					
4,6-Dinitro-o-cresol	ND	ug/kg	7900					
Pentachlorophenol	ND	ug/kg	7900					
Phenol	ND	ug/kg	2800					
2-Methylphenol	ND	ug/kg	2400					
3-Methylphenol/4-Methylphenol	ND	ug/kg	2400					
2,4,5-Trichlorophenol	ND	ug/kg	2000					
Benzoic Acid	ND	ug/kg	20000					
Benzyl Alcohol	ND	ug/kg	4000					
Carbazole	ND	ug/kg	2000					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	81.0	%	25-120					
Phenol-d6	89.0	%	10-120					
Nitrobenzene-d5	72.0	%	23-120					
2-Fluorobiphenyl	78.0	%	30-120					
2,4,6-Tribromophenol	95.0	%	19-120					
4-Terphenyl-d14	90.0	%	18-120					
Polychlorinated Biphenyls by EPA 8082				1	8082	0303 19:00	0305 17:05	SS
Aroclor 1016	ND	ug/kg	39.7					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-03
SB-2 (0-2')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Polychlorinated Biphenyls by EPA 8082 cont'd				1	8082	0303 19:00	0305 17:05	SS
Aroclor 1221	ND	ug/kg	39.7					
Aroclor 1232	ND	ug/kg	39.7					
Aroclor 1242	ND	ug/kg	39.7					
Aroclor 1248	ND	ug/kg	39.7					
Aroclor 1254	ND	ug/kg	39.7					
Aroclor 1260	ND	ug/kg	39.7					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	78.0	%	30-150					
Decachlorobiphenyl	84.0	%	30-150					
Organochlorine Pesticides by EPA 8081A				1	8081A	0303 18:00	0305 20:57	JB
Delta-BHC	ND	ug/kg	3.97					
Lindane	ND	ug/kg	3.97					
Alpha-BHC	ND	ug/kg	3.97					
Beta-BHC	ND	ug/kg	3.97					
Heptachlor	ND	ug/kg	3.97					
Aldrin	ND	ug/kg	3.97					
Heptachlor epoxide	ND	ug/kg	3.97					
Endrin	ND	ug/kg	3.97					
Endrin ketone	ND	ug/kg	3.97					
Dieldrin	ND	ug/kg	3.97					
4,4'-DDE	ND	ug/kg	3.97					
4,4'-DDD	ND	ug/kg	3.97					
4,4'-DDT	ND	ug/kg	3.97					
Endosulfan I	ND	ug/kg	3.97					
Endosulfan II	ND	ug/kg	3.97					
Endosulfan sulfate	ND	ug/kg	3.97					
Methoxychlor	ND	ug/kg	15.9					
trans-Chlordane	ND	ug/kg	3.97					
Chlordane	ND	ug/kg	39.7					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	37.0	%	30-150					
Decachlorobiphenyl	31.0	%	30-150					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0802902-04
SB-2 (12-14')
Sample Matrix: SOIL

Date Collected: 29-FEB-2008 09:45
Date Received : 29-FEB-2008
Date Reported : 10-MAR-2008

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber,1-Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	86	%	0.10	30	2540G		0303 20:10	NM
Total Metals								
Aluminum, Total	8800	mg/kg	5.5	1	6010B	0301 13:50	0303 09:34	MG
Antimony, Total	ND	mg/kg	2.8	1	6010B	0301 13:50	0303 09:34	MG
Arsenic, Total	2.4	mg/kg	0.55	1	6010B	0301 13:50	0303 09:34	MG
Barium, Total	33	mg/kg	0.55	1	6010B	0301 13:50	0303 09:34	MG
Beryllium, Total	0.36	mg/kg	0.28	1	6010B	0301 13:50	0303 09:34	MG
Cadmium, Total	ND	mg/kg	0.55	1	6010B	0301 13:50	0303 09:34	MG
Calcium, Total	1300	mg/kg	5.5	1	6010B	0301 13:50	0303 09:34	MG
Chromium, Total	12	mg/kg	0.55	1	6010B	0301 13:50	0303 09:34	MG
Cobalt, Total	7.8	mg/kg	1.1	1	6010B	0301 13:50	0303 09:34	MG
Copper, Total	13	mg/kg	0.55	1	6010B	0301 13:50	0303 09:34	MG
Iron, Total	21000	mg/kg	2.8	1	6010B	0301 13:50	0303 09:34	MG
Lead, Total	5.5	mg/kg	2.8	1	6010B	0301 13:50	0303 09:34	MG
Magnesium, Total	3000	mg/kg	5.5	1	6010B	0301 13:50	0303 09:34	MG
Manganese, Total	450	mg/kg	0.55	1	6010B	0301 13:50	0303 09:34	MG
Mercury, Total	ND	mg/kg	0.10	1	7471A	0304 20:00	0305 10:33	DM
Nickel, Total	16	mg/kg	1.4	1	6010B	0301 13:50	0303 09:34	MG
Potassium, Total	820	mg/kg	140	1	6010B	0301 13:50	0303 09:34	MG
Selenium, Total	ND	mg/kg	2.8	1	6010B	0301 13:50	0303 09:34	MG
Silver, Total	ND	mg/kg	0.55	1	6010B	0301 13:50	0303 09:34	MG
Sodium, Total	460	mg/kg	110	1	6010B	0301 13:50	0303 09:34	MG
Thallium, Total	ND	mg/kg	2.8	1	6010B	0301 13:50	0303 09:34	MG
Vanadium, Total	14	mg/kg	0.55	1	6010B	0301 13:50	0303 09:34	MG
Zinc, Total	45	mg/kg	2.8	1	6010B	0301 13:50	0303 09:34	MG
Volatile Organics by EPA 8260B				1	8260B		0305 14:14	GK
Methylene chloride	ND	ug/kg	5800					
1,1-Dichloroethane	ND	ug/kg	870					
Chloroform	ND	ug/kg	870					
Carbon tetrachloride	ND	ug/kg	580					
1,2-Dichloropropane	ND	ug/kg	2000					
Dibromochloromethane	ND	ug/kg	580					
1,1,2-Trichloroethane	ND	ug/kg	870					
Tetrachloroethene	ND	ug/kg	580					
Chlorobenzene	ND	ug/kg	580					
Trichlorofluoromethane	ND	ug/kg	2900					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-04
SB-2 (12-14')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0305 14:14	GK
1,2-Dichloroethane	ND	ug/kg	580					
1,1,1-Trichloroethane	ND	ug/kg	580					
Bromodichloromethane	ND	ug/kg	580					
trans-1,3-Dichloropropene	ND	ug/kg	580					
cis-1,3-Dichloropropene	ND	ug/kg	580					
1,1-Dichloropropene	ND	ug/kg	2900					
Bromoform	ND	ug/kg	2300					
1,1,2,2-Tetrachloroethane	ND	ug/kg	580					
Benzene	ND	ug/kg	580					
Toluene	ND	ug/kg	870					
Ethylbenzene	9500	ug/kg	580					
Chloromethane	ND	ug/kg	2900					
Bromomethane	ND	ug/kg	1200					
Vinyl chloride	ND	ug/kg	1200					
Chloroethane	ND	ug/kg	1200					
1,1-Dichloroethene	ND	ug/kg	580					
trans-1,2-Dichloroethene	ND	ug/kg	870					
Trichloroethene	ND	ug/kg	580					
1,2-Dichlorobenzene	ND	ug/kg	2900					
1,3-Dichlorobenzene	ND	ug/kg	2900					
1,4-Dichlorobenzene	ND	ug/kg	2900					
Methyl tert butyl ether	ND	ug/kg	1200					
p/m-Xylene	38000	ug/kg	1200					
o-Xylene	3600	ug/kg	1200					
cis-1,2-Dichloroethene	ND	ug/kg	580					
Dibromomethane	ND	ug/kg	5800					
Styrene	ND	ug/kg	1200					
Dichlorodifluoromethane	ND	ug/kg	5800					
Acetone	6100	ug/kg	5800					
Carbon disulfide	ND	ug/kg	5800					
2-Butanone	ND	ug/kg	5800					
Vinyl acetate	ND	ug/kg	5800					
4-Methyl-2-pentanone	ND	ug/kg	5800					
1,2,3-Trichloropropane	ND	ug/kg	5800					
2-Hexanone	ND	ug/kg	5800					
Bromochloromethane	ND	ug/kg	2900					
2,2-Dichloropropane	ND	ug/kg	2900					
1,2-Dibromoethane	ND	ug/kg	2300					
1,3-Dichloropropane	ND	ug/kg	2900					
1,1,1,2-Tetrachloroethane	ND	ug/kg	580					
Bromobenzene	ND	ug/kg	2900					
n-Butylbenzene	12000	ug/kg	580					
sec-Butylbenzene	4400	ug/kg	580					
tert-Butylbenzene	ND	ug/kg	2900					
o-Chlorotoluene	ND	ug/kg	2900					
p-Chlorotoluene	ND	ug/kg	2900					
1,2-Dibromo-3-chloropropane	ND	ug/kg	2900					
Hexachlorobutadiene	ND	ug/kg	2900					
Isopropylbenzene	6700	ug/kg	580					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-04
SB-2 (12-14')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0305 14:14	GK
p-Isopropyltoluene	11000	ug/kg	580					
Naphthalene	44000	ug/kg	2900					
n-Propylbenzene	11000	ug/kg	580					
1,2,3-Trichlorobenzene	ND	ug/kg	2900					
1,2,4-Trichlorobenzene	ND	ug/kg	2900					
1,3,5-Trimethylbenzene	33000	ug/kg	2900					
1,2,4-Trimethylbenzene	87000	ug/kg	2900					
1,4-Diethylbenzene	50000	ug/kg	580					
4-Ethyltoluene	63000	ug/kg	580					
1,2,4,5-Tetramethylbenzene	12000	ug/kg	580					
Surrogate(s)	Recovery		QC Criteria					
1,2-Dichloroethane-d4	98.0	%	70-130					
Toluene-d8	104	%	70-130					
4-Bromofluorobenzene	123	%	70-130					
Dibromofluoromethane	86.0	%	70-130					
Semivolatile Organics by EPA 8270C				1	8270C	0303 21:30	0305 18:04	AK
Acenaphthene	ND	ug/kg	390					
1,2,4-Trichlorobenzene	ND	ug/kg	390					
Hexachlorobenzene	ND	ug/kg	390					
Bis(2-chloroethyl)ether	ND	ug/kg	390					
2-Chloronaphthalene	ND	ug/kg	460					
1,2-Dichlorobenzene	ND	ug/kg	390					
1,3-Dichlorobenzene	ND	ug/kg	390					
1,4-Dichlorobenzene	ND	ug/kg	390					
3,3'-Dichlorobenzidine	ND	ug/kg	780					
2,4-Dinitrotoluene	ND	ug/kg	390					
2,6-Dinitrotoluene	ND	ug/kg	390					
Fluoranthene	ND	ug/kg	390					
4-Chlorophenyl phenyl ether	ND	ug/kg	390					
4-Bromophenyl phenyl ether	ND	ug/kg	390					
Bis(2-chloroisopropyl)ether	ND	ug/kg	390					
Bis(2-chloroethoxy)methane	ND	ug/kg	390					
Hexachlorobutadiene	ND	ug/kg	780					
Hexachlorocyclopentadiene	ND	ug/kg	780					
Hexachloroethane	ND	ug/kg	390					
Isophorone	ND	ug/kg	390					
Naphthalene	9900	ug/kg	390					
Nitrobenzene	ND	ug/kg	390					
NitrosoDiPhenylAmine(NDPA)/DPA	ND	ug/kg	1200					
n-Nitrosodi-n-propylamine	ND	ug/kg	390					
Bis(2-Ethylhexyl)phthalate	ND	ug/kg	780					
Butyl benzyl phthalate	ND	ug/kg	390					
Di-n-butylphthalate	ND	ug/kg	390					
Di-n-octylphthalate	ND	ug/kg	390					
Diethyl phthalate	ND	ug/kg	390					
Dimethyl phthalate	ND	ug/kg	390					
Benzo(a)anthracene	ND	ug/kg	390					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-04
SB-2 (12-14')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0303 21:30	0305 18:04	AK
Benzo(a)pyrene	ND	ug/kg	390					
Benzo(b)fluoranthene	ND	ug/kg	390					
Benzo(k)fluoranthene	ND	ug/kg	390					
Chrysene	ND	ug/kg	390					
Acenaphthylene	ND	ug/kg	390					
Anthracene	ND	ug/kg	390					
Benzo(ghi)perylene	ND	ug/kg	390					
Fluorene	ND	ug/kg	390					
Phenanthrene	530	ug/kg	390					
Dibenzo(a,h)anthracene	ND	ug/kg	390					
Indeno(1,2,3-cd)Pyrene	ND	ug/kg	390					
Pyrene	ND	ug/kg	390					
Biphenyl	ND	ug/kg	390					
4-Chloroaniline	ND	ug/kg	390					
2-Nitroaniline	ND	ug/kg	390					
3-Nitroaniline	ND	ug/kg	390					
4-Nitroaniline	ND	ug/kg	540					
Dibenzofuran	ND	ug/kg	390					
2-Methylnaphthalene	5700	ug/kg	390					
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	1600					
Acetophenone	ND	ug/kg	1600					
2,4,6-Trichlorophenol	ND	ug/kg	390					
P-Chloro-M-Cresol	ND	ug/kg	390					
2-Chlorophenol	ND	ug/kg	460					
2,4-Dichlorophenol	ND	ug/kg	780					
2,4-Dimethylphenol	ND	ug/kg	390					
2-Nitrophenol	ND	ug/kg	1600					
4-Nitrophenol	ND	ug/kg	780					
2,4-Dinitrophenol	ND	ug/kg	1600					
4,6-Dinitro-o-cresol	ND	ug/kg	1600					
Pentachlorophenol	ND	ug/kg	1600					
Phenol	ND	ug/kg	540					
2-Methylphenol	ND	ug/kg	460					
3-Methylphenol/4-Methylphenol	ND	ug/kg	460					
2,4,5-Trichlorophenol	ND	ug/kg	390					
Benzoic Acid	ND	ug/kg	3900					
Benzyl Alcohol	ND	ug/kg	780					
Carbazole	ND	ug/kg	390					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	85.0	%	25-120					
Phenol-d6	84.0	%	10-120					
Nitrobenzene-d5	86.0	%	23-120					
2-Fluorobiphenyl	67.0	%	30-120					
2,4,6-Tribromophenol	98.0	%	19-120					
4-Terphenyl-d14	97.0	%	18-120					
Polychlorinated Biphenyls by EPA 8082				1	8082	0303 19:00	0305 17:34	SS
Aroclor 1016	ND	ug/kg	38.8					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-04
SB-2 (12-14')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Polychlorinated Biphenyls by EPA 8082 cont'd				1	8082	0303 19:00	0305 17:34	SS
Aroclor 1221	ND	ug/kg	38.8					
Aroclor 1232	ND	ug/kg	38.8					
Aroclor 1242	ND	ug/kg	38.8					
Aroclor 1248	ND	ug/kg	38.8					
Aroclor 1254	ND	ug/kg	38.8					
Aroclor 1260	ND	ug/kg	38.8					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	82.0	%	30-150					
Decachlorobiphenyl	110	%	30-150					
Organochlorine Pesticides by EPA 8081A				1	8081A	0303 18:00	0305 21:11	JB
Delta-BHC	ND	ug/kg	3.88					
Lindane	ND	ug/kg	3.88					
Alpha-BHC	ND	ug/kg	3.88					
Beta-BHC	ND	ug/kg	3.88					
Heptachlor	ND	ug/kg	3.88					
Aldrin	ND	ug/kg	3.88					
Heptachlor epoxide	ND	ug/kg	3.88					
Endrin	ND	ug/kg	3.88					
Endrin ketone	ND	ug/kg	3.88					
Dieldrin	ND	ug/kg	3.88					
4,4'-DDE	ND	ug/kg	3.88					
4,4'-DDD	ND	ug/kg	3.88					
4,4'-DDT	ND	ug/kg	3.88					
Endosulfan I	ND	ug/kg	3.88					
Endosulfan II	ND	ug/kg	3.88					
Endosulfan sulfate	ND	ug/kg	3.88					
Methoxychlor	ND	ug/kg	15.5					
trans-Chlordane	ND	ug/kg	3.88					
Chlordane	ND	ug/kg	38.8					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	68.0	%	30-150					
Decachlorobiphenyl	37.0	%	30-150					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0802902-05
SB-3 (0-2')
Sample Matrix: SOIL

Date Collected: 29-FEB-2008 10:15
Date Received : 29-FEB-2008
Date Reported : 10-MAR-2008

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber,1-Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	88	%	0.10	30	2540G		0303 20:10	NM
Total Metals								
Aluminum, Total	8100	mg/kg	5.5	1	6010B	0301 13:50	0303 09:37	MG
Antimony, Total	4.6	mg/kg	2.8	1	6010B	0301 13:50	0303 09:37	MG
Arsenic, Total	9.8	mg/kg	0.55	1	6010B	0301 13:50	0303 09:37	MG
Barium, Total	180	mg/kg	0.55	1	6010B	0301 13:50	0303 09:37	MG
Beryllium, Total	0.32	mg/kg	0.28	1	6010B	0301 13:50	0303 09:37	MG
Cadmium, Total	0.80	mg/kg	0.55	1	6010B	0301 13:50	0303 09:37	MG
Calcium, Total	20000	mg/kg	55	1	6010B	0301 13:50	0306 13:44	MG
Chromium, Total	13	mg/kg	0.55	1	6010B	0301 13:50	0303 09:37	MG
Cobalt, Total	7.2	mg/kg	1.1	1	6010B	0301 13:50	0303 09:37	MG
Copper, Total	79	mg/kg	0.55	1	6010B	0301 13:50	0303 09:37	MG
Iron, Total	35000	mg/kg	28	1	6010B	0301 13:50	0306 13:44	MG
Lead, Total	1400	mg/kg	2.8	1	6010B	0301 13:50	0303 09:37	MG
Magnesium, Total	5500	mg/kg	5.5	1	6010B	0301 13:50	0303 09:37	MG
Manganese, Total	320	mg/kg	0.55	1	6010B	0301 13:50	0303 09:37	MG
Mercury, Total	0.97	mg/kg	0.08	1	7471A	0304 20:00	0305 10:35	DM
Nickel, Total	16	mg/kg	1.4	1	6010B	0301 13:50	0303 09:37	MG
Potassium, Total	1600	mg/kg	140	1	6010B	0301 13:50	0303 09:37	MG
Selenium, Total	ND	mg/kg	2.8	1	6010B	0301 13:50	0303 09:37	MG
Silver, Total	ND	mg/kg	0.55	1	6010B	0301 13:50	0303 09:37	MG
Sodium, Total	1100	mg/kg	110	1	6010B	0301 13:50	0303 09:37	MG
Thallium, Total	ND	mg/kg	2.8	1	6010B	0301 13:50	0303 09:37	MG
Vanadium, Total	20	mg/kg	0.55	1	6010B	0301 13:50	0303 09:37	MG
Zinc, Total	270	mg/kg	2.8	1	6010B	0301 13:50	0303 09:37	MG
Volatile Organics by EPA 8260B				1	8260B		0305 14:52	GK
Methylene chloride	ND	ug/kg	28.					
1,1-Dichloroethane	ND	ug/kg	4.3					
Chloroform	ND	ug/kg	4.3					
Carbon tetrachloride	ND	ug/kg	2.8					
1,2-Dichloropropane	ND	ug/kg	9.9					
Dibromochloromethane	ND	ug/kg	2.8					
1,1,2-Trichloroethane	ND	ug/kg	4.3					
Tetrachloroethene	ND	ug/kg	2.8					
Chlorobenzene	ND	ug/kg	2.8					
Trichlorofluoromethane	ND	ug/kg	14.					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-05
SB-3 (0-2')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0305 14:52	GK
1,2-Dichloroethane	ND	ug/kg	2.8					
1,1,1-Trichloroethane	ND	ug/kg	2.8					
Bromodichloromethane	ND	ug/kg	2.8					
trans-1,3-Dichloropropene	ND	ug/kg	2.8					
cis-1,3-Dichloropropene	ND	ug/kg	2.8					
1,1-Dichloropropene	ND	ug/kg	14.					
Bromoform	ND	ug/kg	11.					
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.8					
Benzene	ND	ug/kg	2.8					
Toluene	ND	ug/kg	4.3					
Ethylbenzene	ND	ug/kg	2.8					
Chloromethane	ND	ug/kg	14.					
Bromomethane	ND	ug/kg	5.7					
Vinyl chloride	ND	ug/kg	5.7					
Chloroethane	ND	ug/kg	5.7					
1,1-Dichloroethene	ND	ug/kg	2.8					
trans-1,2-Dichloroethene	ND	ug/kg	4.3					
Trichloroethene	ND	ug/kg	2.8					
1,2-Dichlorobenzene	ND	ug/kg	14.					
1,3-Dichlorobenzene	ND	ug/kg	14.					
1,4-Dichlorobenzene	ND	ug/kg	14.					
Methyl tert butyl ether	ND	ug/kg	5.7					
p/m-Xylene	ND	ug/kg	5.7					
o-Xylene	ND	ug/kg	5.7					
cis-1,2-Dichloroethene	ND	ug/kg	2.8					
Dibromomethane	ND	ug/kg	28.					
Styrene	ND	ug/kg	5.7					
Dichlorodifluoromethane	ND	ug/kg	28.					
Acetone	ND	ug/kg	28.					
Carbon disulfide	ND	ug/kg	28.					
2-Butanone	ND	ug/kg	28.					
Vinyl acetate	ND	ug/kg	28.					
4-Methyl-2-pentanone	ND	ug/kg	28.					
1,2,3-Trichloropropane	ND	ug/kg	28.					
2-Hexanone	ND	ug/kg	28.					
Bromochloromethane	ND	ug/kg	14.					
2,2-Dichloropropane	ND	ug/kg	14.					
1,2-Dibromoethane	ND	ug/kg	11.					
1,3-Dichloropropane	ND	ug/kg	14.					
1,1,1,2-Tetrachloroethane	ND	ug/kg	2.8					
Bromobenzene	ND	ug/kg	14.					
n-Butylbenzene	ND	ug/kg	2.8					
sec-Butylbenzene	ND	ug/kg	2.8					
tert-Butylbenzene	ND	ug/kg	14.					
o-Chlorotoluene	ND	ug/kg	14.					
p-Chlorotoluene	ND	ug/kg	14.					
1,2-Dibromo-3-chloropropane	ND	ug/kg	14.					
Hexachlorobutadiene	ND	ug/kg	14.					
Isopropylbenzene	ND	ug/kg	2.8					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-05
SB-3 (0-2')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0305 14:52	GK
p-Isopropyltoluene	ND	ug/kg	2.8					
Naphthalene	18	ug/kg	14					
n-Propylbenzene	ND	ug/kg	2.8					
1,2,3-Trichlorobenzene	ND	ug/kg	14.					
1,2,4-Trichlorobenzene	ND	ug/kg	14.					
1,3,5-Trimethylbenzene	ND	ug/kg	14.					
1,2,4-Trimethylbenzene	ND	ug/kg	14.					
1,4-Diethylbenzene	ND	ug/kg	2.8					
4-Ethyltoluene	ND	ug/kg	2.8					
1,2,4,5-Tetramethylbenzene	ND	ug/kg	2.8					
Surrogate(s)	Recovery		QC Criteria					
1,2-Dichloroethane-d4	134	%	70-130					
Toluene-d8	104	%	70-130					
4-Bromofluorobenzene	115	%	70-130					
Dibromofluoromethane	96.0	%	70-130					
Volatile Organics by EPA 8260B				1	8260B		0306 14:39	GK
Methylene chloride	ND	ug/kg	28.					
1,1-Dichloroethane	ND	ug/kg	4.3					
Chloroform	ND	ug/kg	4.3					
Carbon tetrachloride	ND	ug/kg	2.8					
1,2-Dichloropropane	ND	ug/kg	9.9					
Dibromochloromethane	ND	ug/kg	2.8					
1,1,2-Trichloroethane	ND	ug/kg	4.3					
Tetrachloroethene	ND	ug/kg	2.8					
Chlorobenzene	ND	ug/kg	2.8					
Trichlorofluoromethane	ND	ug/kg	14.					
1,2-Dichloroethane	ND	ug/kg	2.8					
1,1,1-Trichloroethane	ND	ug/kg	2.8					
Bromodichloromethane	ND	ug/kg	2.8					
trans-1,3-Dichloropropene	ND	ug/kg	2.8					
cis-1,3-Dichloropropene	ND	ug/kg	2.8					
1,1-Dichloropropene	ND	ug/kg	14.					
Bromoform	ND	ug/kg	11.					
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.8					
Benzene	ND	ug/kg	2.8					
Toluene	ND	ug/kg	4.3					
Ethylbenzene	ND	ug/kg	2.8					
Chloromethane	ND	ug/kg	14.					
Bromomethane	ND	ug/kg	5.7					
Vinyl chloride	ND	ug/kg	5.7					
Chloroethane	ND	ug/kg	5.7					
1,1-Dichloroethene	ND	ug/kg	2.8					
trans-1,2-Dichloroethene	ND	ug/kg	4.3					
Trichloroethene	ND	ug/kg	2.8					
1,2-Dichlorobenzene	ND	ug/kg	14.					
1,3-Dichlorobenzene	ND	ug/kg	14.					
1,4-Dichlorobenzene	ND	ug/kg	14.					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-05
SB-3 (0-2')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0306 14:39	GK
Methyl tert butyl ether	ND	ug/kg	5.7					
p/m-Xylene	ND	ug/kg	5.7					
o-Xylene	ND	ug/kg	5.7					
cis-1,2-Dichloroethene	ND	ug/kg	2.8					
Dibromomethane	ND	ug/kg	28.					
Styrene	ND	ug/kg	5.7					
Dichlorodifluoromethane	ND	ug/kg	28.					
Acetone	ND	ug/kg	28.					
Carbon disulfide	ND	ug/kg	28.					
2-Butanone	ND	ug/kg	28.					
Vinyl acetate	ND	ug/kg	28.					
4-Methyl-2-pentanone	ND	ug/kg	28.					
1,2,3-Trichloropropane	ND	ug/kg	28.					
2-Hexanone	ND	ug/kg	28.					
Bromochloromethane	ND	ug/kg	14.					
2,2-Dichloropropane	ND	ug/kg	14.					
1,2-Dibromoethane	ND	ug/kg	11.					
1,3-Dichloropropane	ND	ug/kg	14.					
1,1,1,2-Tetrachloroethane	ND	ug/kg	2.8					
Bromobenzene	ND	ug/kg	14.					
n-Butylbenzene	ND	ug/kg	2.8					
sec-Butylbenzene	ND	ug/kg	2.8					
tert-Butylbenzene	ND	ug/kg	14.					
o-Chlorotoluene	ND	ug/kg	14.					
p-Chlorotoluene	ND	ug/kg	14.					
1,2-Dibromo-3-chloropropane	ND	ug/kg	14.					
Hexachlorobutadiene	ND	ug/kg	14.					
Isopropylbenzene	ND	ug/kg	2.8					
p-Isopropyltoluene	ND	ug/kg	2.8					
Naphthalene	39	ug/kg	14					
n-Propylbenzene	ND	ug/kg	2.8					
1,2,3-Trichlorobenzene	ND	ug/kg	14.					
1,2,4-Trichlorobenzene	ND	ug/kg	14.					
1,3,5-Trimethylbenzene	ND	ug/kg	14.					
1,2,4-Trimethylbenzene	ND	ug/kg	14.					
1,4-Diethylbenzene	ND	ug/kg	2.8					
4-Ethyltoluene	ND	ug/kg	2.8					
1,2,4,5-Tetramethylbenzene	ND	ug/kg	2.8					
Surrogate(s)	Recovery		QC Criteria					
1,2-Dichloroethane-d4	137	%	70-130					
Toluene-d8	108	%	70-130					
4-Bromofluorobenzene	116	%	70-130					
Dibromofluoromethane	115	%	70-130					
Semivolatile Organics by EPA 8270C				1	8270C	0303 21:30	0305 18:28	AK
Acenaphthene	ND	ug/kg	9500					
1,2,4-Trichlorobenzene	ND	ug/kg	9500					
Hexachlorobenzene	ND	ug/kg	9500					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-05
SB-3 (0-2')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0303 21:30	0305 18:28	AK
Bis(2-chloroethyl)ether	ND	ug/kg	9500					
2-Chloronaphthalene	ND	ug/kg	11000					
1,2-Dichlorobenzene	ND	ug/kg	9500					
1,3-Dichlorobenzene	ND	ug/kg	9500					
1,4-Dichlorobenzene	ND	ug/kg	9500					
3,3'-Dichlorobenzidine	ND	ug/kg	19000					
2,4-Dinitrotoluene	ND	ug/kg	9500					
2,6-Dinitrotoluene	ND	ug/kg	9500					
Fluoranthene	49000	ug/kg	9500					
4-Chlorophenyl phenyl ether	ND	ug/kg	9500					
4-Bromophenyl phenyl ether	ND	ug/kg	9500					
Bis(2-chloroisopropyl)ether	ND	ug/kg	9500					
Bis(2-chloroethoxy)methane	ND	ug/kg	9500					
Hexachlorobutadiene	ND	ug/kg	19000					
Hexachlorocyclopentadiene	ND	ug/kg	19000					
Hexachloroethane	ND	ug/kg	9500					
Isophorone	ND	ug/kg	9500					
Naphthalene	ND	ug/kg	9500					
Nitrobenzene	ND	ug/kg	9500					
NitrosoDiPhenylAmine(NDPA)/DPA	ND	ug/kg	28000					
n-Nitrosodi-n-propylamine	ND	ug/kg	9500					
Bis(2-Ethylhexyl)phthalate	ND	ug/kg	19000					
Butyl benzyl phthalate	ND	ug/kg	9500					
Di-n-butylphthalate	ND	ug/kg	9500					
Di-n-octylphthalate	ND	ug/kg	9500					
Diethyl phthalate	ND	ug/kg	9500					
Dimethyl phthalate	ND	ug/kg	9500					
Benzo(a)anthracene	26000	ug/kg	9500					
Benzo(a)pyrene	23000	ug/kg	9500					
Benzo(b)fluoranthene	28000	ug/kg	9500					
Benzo(k)fluoranthene	ND	ug/kg	9500					
Chrysene	23000	ug/kg	9500					
Acenaphthylene	ND	ug/kg	9500					
Anthracene	16000	ug/kg	9500					
Benzo(ghi)perylene	14000	ug/kg	9500					
Fluorene	ND	ug/kg	9500					
Phenanthrene	51000	ug/kg	9500					
Dibenzo(a,h)anthracene	ND	ug/kg	9500					
Indeno(1,2,3-cd)Pyrene	12000	ug/kg	9500					
Pyrene	40000	ug/kg	9500					
Biphenyl	ND	ug/kg	9500					
4-Chloroaniline	ND	ug/kg	9500					
2-Nitroaniline	ND	ug/kg	9500					
3-Nitroaniline	ND	ug/kg	9500					
4-Nitroaniline	ND	ug/kg	13000					
Dibenzofuran	ND	ug/kg	9500					
2-Methylnaphthalene	ND	ug/kg	9500					
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	38000					
Acetophenone	ND	ug/kg	38000					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-05
SB-3 (0-2')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0303 21:30	0305 18:28	AK
2,4,6-Trichlorophenol	ND	ug/kg	9500					
P-Chloro-M-Cresol	ND	ug/kg	9500					
2-Chlorophenol	ND	ug/kg	11000					
2,4-Dichlorophenol	ND	ug/kg	19000					
2,4-Dimethylphenol	ND	ug/kg	9500					
2-Nitrophenol	ND	ug/kg	38000					
4-Nitrophenol	ND	ug/kg	19000					
2,4-Dinitrophenol	ND	ug/kg	38000					
4,6-Dinitro-o-cresol	ND	ug/kg	38000					
Pentachlorophenol	ND	ug/kg	38000					
Phenol	ND	ug/kg	13000					
2-Methylphenol	ND	ug/kg	11000					
3-Methylphenol/4-Methylphenol	ND	ug/kg	11000					
2,4,5-Trichlorophenol	ND	ug/kg	9500					
Benzoic Acid	ND	ug/kg	95000					
Benzyl Alcohol	ND	ug/kg	19000					
Carbazole	ND	ug/kg	9500					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	ND	%	25-120					
Phenol-d6	ND	%	10-120					
Nitrobenzene-d5	ND	%	23-120					
2-Fluorobiphenyl	ND	%	30-120					
2,4,6-Tribromophenol	ND	%	19-120					
4-Terphenyl-d14	ND	%	18-120					
Polychlorinated Biphenyls by EPA 8082				1	8082	0303 19:00	0305 18:02	SS
Aroclor 1016	ND	ug/kg	75.8					
Aroclor 1221	ND	ug/kg	75.8					
Aroclor 1232	ND	ug/kg	75.8					
Aroclor 1242	ND	ug/kg	75.8					
Aroclor 1248	ND	ug/kg	75.8					
Aroclor 1254	ND	ug/kg	75.8					
Aroclor 1260	ND	ug/kg	75.8					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	72.0	%	30-150					
Decachlorobiphenyl	88.0	%	30-150					
Organochlorine Pesticides by EPA 8081A				1	8081A	0303 18:00	0305 23:12	JB
Delta-BHC	ND	ug/kg	18.9					
Lindane	ND	ug/kg	18.9					
Alpha-BHC	ND	ug/kg	18.9					
Beta-BHC	ND	ug/kg	18.9					
Heptachlor	ND	ug/kg	18.9					
Aldrin	ND	ug/kg	18.9					
Heptachlor epoxide	ND	ug/kg	18.9					
Endrin	ND	ug/kg	18.9					
Endrin ketone	ND	ug/kg	18.9					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-05
SB-3 (0-2')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Organochlorine Pesticides by EPA 8081A cont'd				1	8081A	0303 18:00	0305 23:12	JB
Dieldrin	ND	ug/kg	18.9					
4,4'-DDE	ND	ug/kg	18.9					
4,4'-DDD	ND	ug/kg	18.9					
4,4'-DDT	ND	ug/kg	18.9					
Endosulfan I	ND	ug/kg	18.9					
Endosulfan II	ND	ug/kg	18.9					
Endosulfan sulfate	ND	ug/kg	18.9					
Methoxychlor	ND	ug/kg	75.8					
trans-Chlordane	ND	ug/kg	18.9					
Chlordane	ND	ug/kg	189.					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	71.0	%	30-150					
Decachlorobiphenyl	54.0	%	30-150					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0802902-06
SB-4 (0-3')
Sample Matrix: SOIL

Date Collected: 29-FEB-2008 10:30
Date Received : 29-FEB-2008
Date Reported : 10-MAR-2008

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber,1-Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	89	%	0.10	30	2540G		0303 20:10	NM
Total Metals								
Aluminum, Total	9000	mg/kg	5.3	1	6010B	0301 13:50	0303 09:40	MG
Antimony, Total	ND	mg/kg	2.6	1	6010B	0301 13:50	0303 09:40	MG
Arsenic, Total	2.1	mg/kg	0.53	1	6010B	0301 13:50	0303 09:40	MG
Barium, Total	40	mg/kg	0.53	1	6010B	0301 13:50	0303 09:40	MG
Beryllium, Total	0.46	mg/kg	0.26	1	6010B	0301 13:50	0303 09:40	MG
Cadmium, Total	ND	mg/kg	0.53	1	6010B	0301 13:50	0303 09:40	MG
Calcium, Total	1900	mg/kg	5.3	1	6010B	0301 13:50	0303 09:40	MG
Chromium, Total	14	mg/kg	0.53	1	6010B	0301 13:50	0303 09:40	MG
Cobalt, Total	7.2	mg/kg	1.0	1	6010B	0301 13:50	0303 09:40	MG
Copper, Total	26	mg/kg	0.53	1	6010B	0301 13:50	0303 09:40	MG
Iron, Total	11000	mg/kg	2.6	1	6010B	0301 13:50	0303 09:40	MG
Lead, Total	9.2	mg/kg	2.6	1	6010B	0301 13:50	0303 09:40	MG
Magnesium, Total	3000	mg/kg	5.3	1	6010B	0301 13:50	0303 09:40	MG
Manganese, Total	280	mg/kg	0.53	1	6010B	0301 13:50	0303 09:40	MG
Mercury, Total	ND	mg/kg	0.09	1	7471A	0304 20:00	0305 10:37	DM
Nickel, Total	19	mg/kg	1.3	1	6010B	0301 13:50	0303 09:40	MG
Potassium, Total	1000	mg/kg	130	1	6010B	0301 13:50	0303 09:40	MG
Selenium, Total	ND	mg/kg	2.6	1	6010B	0301 13:50	0303 09:40	MG
Silver, Total	ND	mg/kg	0.53	1	6010B	0301 13:50	0303 09:40	MG
Sodium, Total	480	mg/kg	100	1	6010B	0301 13:50	0303 09:40	MG
Thallium, Total	ND	mg/kg	2.6	1	6010B	0301 13:50	0303 09:40	MG
Vanadium, Total	19	mg/kg	0.53	1	6010B	0301 13:50	0303 09:40	MG
Zinc, Total	62	mg/kg	2.6	1	6010B	0301 13:50	0303 09:40	MG
Volatile Organics by EPA 8260B				1	8260B		0305 15:30	GK
Methylene chloride	ND	ug/kg	28.					
1,1-Dichloroethane	ND	ug/kg	4.2					
Chloroform	ND	ug/kg	4.2					
Carbon tetrachloride	ND	ug/kg	2.8					
1,2-Dichloropropane	ND	ug/kg	9.8					
Dibromochloromethane	ND	ug/kg	2.8					
1,1,2-Trichloroethane	ND	ug/kg	4.2					
Tetrachloroethene	ND	ug/kg	2.8					
Chlorobenzene	ND	ug/kg	2.8					
Trichlorofluoromethane	ND	ug/kg	14.					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-06
SB-4 (0-3')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0305 15:30	GK
1,2-Dichloroethane	ND	ug/kg	2.8					
1,1,1-Trichloroethane	ND	ug/kg	2.8					
Bromodichloromethane	ND	ug/kg	2.8					
trans-1,3-Dichloropropene	ND	ug/kg	2.8					
cis-1,3-Dichloropropene	ND	ug/kg	2.8					
1,1-Dichloropropene	ND	ug/kg	14.					
Bromoform	ND	ug/kg	11.					
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.8					
Benzene	ND	ug/kg	2.8					
Toluene	ND	ug/kg	4.2					
Ethylbenzene	ND	ug/kg	2.8					
Chloromethane	ND	ug/kg	14.					
Bromomethane	ND	ug/kg	5.6					
Vinyl chloride	ND	ug/kg	5.6					
Chloroethane	ND	ug/kg	5.6					
1,1-Dichloroethene	ND	ug/kg	2.8					
trans-1,2-Dichloroethene	ND	ug/kg	4.2					
Trichloroethene	ND	ug/kg	2.8					
1,2-Dichlorobenzene	ND	ug/kg	14.					
1,3-Dichlorobenzene	ND	ug/kg	14.					
1,4-Dichlorobenzene	ND	ug/kg	14.					
Methyl tert butyl ether	ND	ug/kg	5.6					
p/m-Xylene	ND	ug/kg	5.6					
o-Xylene	ND	ug/kg	5.6					
cis-1,2-Dichloroethene	ND	ug/kg	2.8					
Dibromomethane	ND	ug/kg	28.					
Styrene	ND	ug/kg	5.6					
Dichlorodifluoromethane	ND	ug/kg	28.					
Acetone	ND	ug/kg	28.					
Carbon disulfide	ND	ug/kg	28.					
2-Butanone	ND	ug/kg	28.					
Vinyl acetate	ND	ug/kg	28.					
4-Methyl-2-pentanone	ND	ug/kg	28.					
1,2,3-Trichloropropane	ND	ug/kg	28.					
2-Hexanone	ND	ug/kg	28.					
Bromochloromethane	ND	ug/kg	14.					
2,2-Dichloropropane	ND	ug/kg	14.					
1,2-Dibromoethane	ND	ug/kg	11.					
1,3-Dichloropropane	ND	ug/kg	14.					
1,1,1,2-Tetrachloroethane	ND	ug/kg	2.8					
Bromobenzene	ND	ug/kg	14.					
n-Butylbenzene	ND	ug/kg	2.8					
sec-Butylbenzene	ND	ug/kg	2.8					
tert-Butylbenzene	ND	ug/kg	14.					
o-Chlorotoluene	ND	ug/kg	14.					
p-Chlorotoluene	ND	ug/kg	14.					
1,2-Dibromo-3-chloropropane	ND	ug/kg	14.					
Hexachlorobutadiene	ND	ug/kg	14.					
Isopropylbenzene	ND	ug/kg	2.8					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-06
SB-4 (0-3')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0305 15:30	GK
p-Isopropyltoluene	ND	ug/kg	2.8					
Naphthalene	ND	ug/kg	14.					
n-Propylbenzene	ND	ug/kg	2.8					
1,2,3-Trichlorobenzene	ND	ug/kg	14.					
1,2,4-Trichlorobenzene	ND	ug/kg	14.					
1,3,5-Trimethylbenzene	ND	ug/kg	14.					
1,2,4-Trimethylbenzene	ND	ug/kg	14.					
1,4-Diethylbenzene	ND	ug/kg	2.8					
4-Ethyltoluene	ND	ug/kg	2.8					
1,2,4,5-Tetramethylbenzene	ND	ug/kg	2.8					
Surrogate(s)	Recovery		QC Criteria					
1,2-Dichloroethane-d4	129	%	70-130					
Toluene-d8	97.0	%	70-130					
4-Bromofluorobenzene	106	%	70-130					
Dibromofluoromethane	88.0	%	70-130					
Semivolatile Organics by EPA 8270C				1	8270C	0303 21:30	0305 18:52	AK
Acenaphthene	ND	ug/kg	9400					
1,2,4-Trichlorobenzene	ND	ug/kg	9400					
Hexachlorobenzene	ND	ug/kg	9400					
Bis(2-chloroethyl)ether	ND	ug/kg	9400					
2-Chloronaphthalene	ND	ug/kg	11000					
1,2-Dichlorobenzene	ND	ug/kg	9400					
1,3-Dichlorobenzene	ND	ug/kg	9400					
1,4-Dichlorobenzene	ND	ug/kg	9400					
3,3'-Dichlorobenzidine	ND	ug/kg	19000					
2,4-Dinitrotoluene	ND	ug/kg	9400					
2,6-Dinitrotoluene	ND	ug/kg	9400					
Fluoranthene	ND	ug/kg	9400					
4-Chlorophenyl phenyl ether	ND	ug/kg	9400					
4-Bromophenyl phenyl ether	ND	ug/kg	9400					
Bis(2-chloroisopropyl)ether	ND	ug/kg	9400					
Bis(2-chloroethoxy)methane	ND	ug/kg	9400					
Hexachlorobutadiene	ND	ug/kg	19000					
Hexachlorocyclopentadiene	ND	ug/kg	19000					
Hexachloroethane	ND	ug/kg	9400					
Isophorone	ND	ug/kg	9400					
Naphthalene	ND	ug/kg	9400					
Nitrobenzene	ND	ug/kg	9400					
NitrosoDiPhenylAmine(NDPA)/DPA	ND	ug/kg	28000					
n-Nitrosodi-n-propylamine	ND	ug/kg	9400					
Bis(2-Ethylhexyl)phthalate	ND	ug/kg	19000					
Butyl benzyl phthalate	ND	ug/kg	9400					
Di-n-butylphthalate	ND	ug/kg	9400					
Di-n-octylphthalate	ND	ug/kg	9400					
Diethyl phthalate	ND	ug/kg	9400					
Dimethyl phthalate	ND	ug/kg	9400					
Benzo(a)anthracene	ND	ug/kg	9400					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-06
SB-4 (0-3')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0303 21:30	0305 18:52	AK
Benzo(a)pyrene	ND	ug/kg	9400					
Benzo(b)fluoranthene	ND	ug/kg	9400					
Benzo(k)fluoranthene	ND	ug/kg	9400					
Chrysene	ND	ug/kg	9400					
Acenaphthylene	ND	ug/kg	9400					
Anthracene	ND	ug/kg	9400					
Benzo(ghi)perylene	ND	ug/kg	9400					
Fluorene	ND	ug/kg	9400					
Phenanthrene	ND	ug/kg	9400					
Dibenzo(a,h)anthracene	ND	ug/kg	9400					
Indeno(1,2,3-cd)Pyrene	ND	ug/kg	9400					
Pyrene	ND	ug/kg	9400					
Biphenyl	ND	ug/kg	9400					
4-Chloroaniline	ND	ug/kg	9400					
2-Nitroaniline	ND	ug/kg	9400					
3-Nitroaniline	ND	ug/kg	9400					
4-Nitroaniline	ND	ug/kg	13000					
Dibenzofuran	ND	ug/kg	9400					
2-Methylnaphthalene	ND	ug/kg	9400					
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	37000					
Acetophenone	ND	ug/kg	37000					
2,4,6-Trichlorophenol	ND	ug/kg	9400					
P-Chloro-M-Cresol	ND	ug/kg	9400					
2-Chlorophenol	ND	ug/kg	11000					
2,4-Dichlorophenol	ND	ug/kg	19000					
2,4-Dimethylphenol	ND	ug/kg	9400					
2-Nitrophenol	ND	ug/kg	37000					
4-Nitrophenol	ND	ug/kg	19000					
2,4-Dinitrophenol	ND	ug/kg	37000					
4,6-Dinitro-o-cresol	ND	ug/kg	37000					
Pentachlorophenol	ND	ug/kg	37000					
Phenol	ND	ug/kg	13000					
2-Methylphenol	ND	ug/kg	11000					
3-Methylphenol/4-Methylphenol	ND	ug/kg	11000					
2,4,5-Trichlorophenol	ND	ug/kg	9400					
Benzoic Acid	ND	ug/kg	94000					
Benzyl Alcohol	ND	ug/kg	19000					
Carbazole	ND	ug/kg	9400					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	ND	%	25-120					
Phenol-d6	ND	%	10-120					
Nitrobenzene-d5	ND	%	23-120					
2-Fluorobiphenyl	ND	%	30-120					
2,4,6-Tribromophenol	ND	%	19-120					
4-Terphenyl-d14	ND	%	18-120					
Polychlorinated Biphenyls by EPA 8082				1	8082	0303 19:00	0305 18:31	SS
Aroclor 1016	ND	ug/kg	37.4					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-06
SB-4 (0-3')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Polychlorinated Biphenyls by EPA 8082 cont'd				1	8082	0303 19:00	0305 18:31	SS
Aroclor 1221	ND	ug/kg	37.4					
Aroclor 1232	ND	ug/kg	37.4					
Aroclor 1242	ND	ug/kg	37.4					
Aroclor 1248	ND	ug/kg	37.4					
Aroclor 1254	ND	ug/kg	37.4					
Aroclor 1260	ND	ug/kg	37.4					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	69.0	%	30-150					
Decachlorobiphenyl	92.0	%	30-150					
Organochlorine Pesticides by EPA 8081A				1	8081A	0303 18:00	0305 23:26	JB
Delta-BHC	ND	ug/kg	3.74					
Lindane	ND	ug/kg	3.74					
Alpha-BHC	ND	ug/kg	3.74					
Beta-BHC	ND	ug/kg	3.74					
Heptachlor	ND	ug/kg	3.74					
Aldrin	ND	ug/kg	3.74					
Heptachlor epoxide	ND	ug/kg	3.74					
Endrin	ND	ug/kg	3.74					
Endrin ketone	ND	ug/kg	3.74					
Dieldrin	ND	ug/kg	3.74					
4,4'-DDE	ND	ug/kg	3.74					
4,4'-DDD	ND	ug/kg	3.74					
4,4'-DDT	ND	ug/kg	3.74					
Endosulfan I	ND	ug/kg	3.74					
Endosulfan II	ND	ug/kg	3.74					
Endosulfan sulfate	ND	ug/kg	3.74					
Methoxychlor	ND	ug/kg	15.0					
trans-Chlordane	ND	ug/kg	3.74					
Chlordane	ND	ug/kg	37.4					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	43.0	%	30-150					
Decachlorobiphenyl	30.0	%	30-150					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0802902-07
SB-4 (5-7')
Sample Matrix: SOIL

Date Collected: 29-FEB-2008 10:45
Date Received : 29-FEB-2008
Date Reported : 10-MAR-2008

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber,1-Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	93	%	0.10	30	2540G		0303 20:10	NM
Total Metals								
Aluminum, Total	7200	mg/kg	5.2	1	6010B	0301 13:50	0303 10:30	MG
Antimony, Total	ND	mg/kg	2.6	1	6010B	0301 13:50	0303 10:30	MG
Arsenic, Total	1.1	mg/kg	0.52	1	6010B	0301 13:50	0303 10:30	MG
Barium, Total	80	mg/kg	0.52	1	6010B	0301 13:50	0303 10:30	MG
Beryllium, Total	0.41	mg/kg	0.26	1	6010B	0301 13:50	0303 10:30	MG
Cadmium, Total	ND	mg/kg	0.52	1	6010B	0301 13:50	0303 10:30	MG
Calcium, Total	1900	mg/kg	5.2	1	6010B	0301 13:50	0303 10:30	MG
Chromium, Total	32	mg/kg	0.52	1	6010B	0301 13:50	0303 10:30	MG
Cobalt, Total	6.6	mg/kg	1.0	1	6010B	0301 13:50	0303 10:30	MG
Copper, Total	24	mg/kg	0.52	1	6010B	0301 13:50	0303 10:30	MG
Iron, Total	8800	mg/kg	2.6	1	6010B	0301 13:50	0303 10:30	MG
Lead, Total	5.2	mg/kg	2.6	1	6010B	0301 13:50	0303 10:30	MG
Magnesium, Total	3600	mg/kg	5.2	1	6010B	0301 13:50	0303 10:30	MG
Manganese, Total	620	mg/kg	0.52	1	6010B	0301 13:50	0303 10:30	MG
Mercury, Total	ND	mg/kg	0.08	1	7471A	0304 20:00	0305 10:39	DM
Nickel, Total	20	mg/kg	1.3	1	6010B	0301 13:50	0303 10:30	MG
Potassium, Total	760	mg/kg	130	1	6010B	0301 13:50	0303 10:30	MG
Selenium, Total	ND	mg/kg	2.6	1	6010B	0301 13:50	0303 10:30	MG
Silver, Total	ND	mg/kg	0.52	1	6010B	0301 13:50	0303 10:30	MG
Sodium, Total	390	mg/kg	100	1	6010B	0301 13:50	0303 10:30	MG
Thallium, Total	ND	mg/kg	2.6	1	6010B	0301 13:50	0303 10:30	MG
Vanadium, Total	17	mg/kg	0.52	1	6010B	0301 13:50	0303 10:30	MG
Zinc, Total	25	mg/kg	2.6	1	6010B	0301 13:50	0303 10:30	MG
Volatile Organics by EPA 8260B				1	8260B		0306 15:19	GK
Methylene chloride	ND	ug/kg	27.					
1,1-Dichloroethane	ND	ug/kg	4.0					
Chloroform	ND	ug/kg	4.0					
Carbon tetrachloride	ND	ug/kg	2.7					
1,2-Dichloropropane	ND	ug/kg	9.4					
Dibromochloromethane	ND	ug/kg	2.7					
1,1,2-Trichloroethane	ND	ug/kg	4.0					
Tetrachloroethene	ND	ug/kg	2.7					
Chlorobenzene	ND	ug/kg	2.7					
Trichlorofluoromethane	ND	ug/kg	13.					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-07
SB-4 (5-7')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0306 15:19	GK
1,2-Dichloroethane	ND	ug/kg	2.7					
1,1,1-Trichloroethane	ND	ug/kg	2.7					
Bromodichloromethane	ND	ug/kg	2.7					
trans-1,3-Dichloropropene	ND	ug/kg	2.7					
cis-1,3-Dichloropropene	ND	ug/kg	2.7					
1,1-Dichloropropene	ND	ug/kg	13.					
Bromoform	ND	ug/kg	11.					
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.7					
Benzene	ND	ug/kg	2.7					
Toluene	ND	ug/kg	4.0					
Ethylbenzene	ND	ug/kg	2.7					
Chloromethane	ND	ug/kg	13.					
Bromomethane	ND	ug/kg	5.4					
Vinyl chloride	ND	ug/kg	5.4					
Chloroethane	ND	ug/kg	5.4					
1,1-Dichloroethene	ND	ug/kg	2.7					
trans-1,2-Dichloroethene	ND	ug/kg	4.0					
Trichloroethene	ND	ug/kg	2.7					
1,2-Dichlorobenzene	ND	ug/kg	13.					
1,3-Dichlorobenzene	ND	ug/kg	13.					
1,4-Dichlorobenzene	ND	ug/kg	13.					
Methyl tert butyl ether	ND	ug/kg	5.4					
p/m-Xylene	ND	ug/kg	5.4					
o-Xylene	ND	ug/kg	5.4					
cis-1,2-Dichloroethene	ND	ug/kg	2.7					
Dibromomethane	ND	ug/kg	27.					
Styrene	ND	ug/kg	5.4					
Dichlorodifluoromethane	ND	ug/kg	27.					
Acetone	ND	ug/kg	27.					
Carbon disulfide	ND	ug/kg	27.					
2-Butanone	ND	ug/kg	27.					
Vinyl acetate	ND	ug/kg	27.					
4-Methyl-2-pentanone	ND	ug/kg	27.					
1,2,3-Trichloropropane	ND	ug/kg	27.					
2-Hexanone	ND	ug/kg	27.					
Bromochloromethane	ND	ug/kg	13.					
2,2-Dichloropropane	ND	ug/kg	13.					
1,2-Dibromoethane	ND	ug/kg	11.					
1,3-Dichloropropane	ND	ug/kg	13.					
1,1,1,2-Tetrachloroethane	ND	ug/kg	2.7					
Bromobenzene	ND	ug/kg	13.					
n-Butylbenzene	ND	ug/kg	2.7					
sec-Butylbenzene	ND	ug/kg	2.7					
tert-Butylbenzene	ND	ug/kg	13.					
o-Chlorotoluene	ND	ug/kg	13.					
p-Chlorotoluene	ND	ug/kg	13.					
1,2-Dibromo-3-chloropropane	ND	ug/kg	13.					
Hexachlorobutadiene	ND	ug/kg	13.					
Isopropylbenzene	ND	ug/kg	2.7					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-07
SB-4 (5-7')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0306 15:19	GK
p-Isopropyltoluene	ND	ug/kg	2.7					
Naphthalene	ND	ug/kg	13.					
n-Propylbenzene	ND	ug/kg	2.7					
1,2,3-Trichlorobenzene	ND	ug/kg	13.					
1,2,4-Trichlorobenzene	ND	ug/kg	13.					
1,3,5-Trimethylbenzene	ND	ug/kg	13.					
1,2,4-Trimethylbenzene	ND	ug/kg	13.					
1,4-Diethylbenzene	ND	ug/kg	2.7					
4-Ethyltoluene	ND	ug/kg	2.7					
1,2,4,5-Tetramethylbenzene	ND	ug/kg	2.7					
Surrogate(s)	Recovery		QC Criteria					
1,2-Dichloroethane-d4	126	%	70-130					
Toluene-d8	107	%	70-130					
4-Bromofluorobenzene	131	%	70-130					
Dibromofluoromethane	112	%	70-130					
Semivolatile Organics by EPA 8270C				1	8270C	0303 21:30	0305 19:16	AK
Acenaphthene	ND	ug/kg	9000					
1,2,4-Trichlorobenzene	ND	ug/kg	9000					
Hexachlorobenzene	ND	ug/kg	9000					
Bis(2-chloroethyl)ether	ND	ug/kg	9000					
2-Chloronaphthalene	ND	ug/kg	11000					
1,2-Dichlorobenzene	ND	ug/kg	9000					
1,3-Dichlorobenzene	ND	ug/kg	9000					
1,4-Dichlorobenzene	ND	ug/kg	9000					
3,3'-Dichlorobenzidine	ND	ug/kg	18000					
2,4-Dinitrotoluene	ND	ug/kg	9000					
2,6-Dinitrotoluene	ND	ug/kg	9000					
Fluoranthene	ND	ug/kg	9000					
4-Chlorophenyl phenyl ether	ND	ug/kg	9000					
4-Bromophenyl phenyl ether	ND	ug/kg	9000					
Bis(2-chloroisopropyl)ether	ND	ug/kg	9000					
Bis(2-chloroethoxy)methane	ND	ug/kg	9000					
Hexachlorobutadiene	ND	ug/kg	18000					
Hexachlorocyclopentadiene	ND	ug/kg	18000					
Hexachloroethane	ND	ug/kg	9000					
Isophorone	ND	ug/kg	9000					
Naphthalene	ND	ug/kg	9000					
Nitrobenzene	ND	ug/kg	9000					
NitrosoDiPhenylAmine(NDPA)/DPA	ND	ug/kg	27000					
n-Nitrosodi-n-propylamine	ND	ug/kg	9000					
Bis(2-Ethylhexyl)phthalate	ND	ug/kg	18000					
Butyl benzyl phthalate	ND	ug/kg	9000					
Di-n-butylphthalate	ND	ug/kg	9000					
Di-n-octylphthalate	ND	ug/kg	9000					
Diethyl phthalate	ND	ug/kg	9000					
Dimethyl phthalate	ND	ug/kg	9000					
Benzo(a)anthracene	ND	ug/kg	9000					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-07
SB-4 (5-7')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0303 21:30	0305 19:16	AK
Benzo(a)pyrene	ND	ug/kg	9000					
Benzo(b)fluoranthene	ND	ug/kg	9000					
Benzo(k)fluoranthene	ND	ug/kg	9000					
Chrysene	ND	ug/kg	9000					
Acenaphthylene	ND	ug/kg	9000					
Anthracene	ND	ug/kg	9000					
Benzo(ghi)perylene	ND	ug/kg	9000					
Fluorene	ND	ug/kg	9000					
Phenanthrene	ND	ug/kg	9000					
Dibenzo(a,h)anthracene	ND	ug/kg	9000					
Indeno(1,2,3-cd)Pyrene	ND	ug/kg	9000					
Pyrene	ND	ug/kg	9000					
Biphenyl	ND	ug/kg	9000					
4-Chloroaniline	ND	ug/kg	9000					
2-Nitroaniline	ND	ug/kg	9000					
3-Nitroaniline	ND	ug/kg	9000					
4-Nitroaniline	ND	ug/kg	12000					
Dibenzofuran	ND	ug/kg	9000					
2-Methylnaphthalene	ND	ug/kg	9000					
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	36000					
Acetophenone	ND	ug/kg	36000					
2,4,6-Trichlorophenol	ND	ug/kg	9000					
P-Chloro-M-Cresol	ND	ug/kg	9000					
2-Chlorophenol	ND	ug/kg	11000					
2,4-Dichlorophenol	ND	ug/kg	18000					
2,4-Dimethylphenol	ND	ug/kg	9000					
2-Nitrophenol	ND	ug/kg	36000					
4-Nitrophenol	ND	ug/kg	18000					
2,4-Dinitrophenol	ND	ug/kg	36000					
4,6-Dinitro-o-cresol	ND	ug/kg	36000					
Pentachlorophenol	ND	ug/kg	36000					
Phenol	ND	ug/kg	12000					
2-Methylphenol	ND	ug/kg	11000					
3-Methylphenol/4-Methylphenol	ND	ug/kg	11000					
2,4,5-Trichlorophenol	ND	ug/kg	9000					
Benzoic Acid	ND	ug/kg	90000					
Benzyl Alcohol	ND	ug/kg	18000					
Carbazole	ND	ug/kg	9000					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	ND	%	25-120					
Phenol-d6	ND	%	10-120					
Nitrobenzene-d5	ND	%	23-120					
2-Fluorobiphenyl	ND	%	30-120					
2,4,6-Tribromophenol	ND	%	19-120					
4-Terphenyl-d14	ND	%	18-120					
Polychlorinated Biphenyls by EPA 8082				1	8082	0303 19:00	0305 22:47	SS
Aroclor 1016	ND	ug/kg	35.8					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-07
SB-4 (5-7')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Polychlorinated Biphenyls by EPA 8082 cont'd				1	8082	0303 19:00	0305 22:47	SS
Aroclor 1221	ND	ug/kg	35.8					
Aroclor 1232	ND	ug/kg	35.8					
Aroclor 1242	ND	ug/kg	35.8					
Aroclor 1248	ND	ug/kg	35.8					
Aroclor 1254	ND	ug/kg	35.8					
Aroclor 1260	ND	ug/kg	35.8					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	72.0	%	30-150					
Decachlorobiphenyl	96.0	%	30-150					
Organochlorine Pesticides by EPA 8081A				1	8081A	0303 18:00	0305 23:39	JB
Delta-BHC	ND	ug/kg	3.58					
Lindane	ND	ug/kg	3.58					
Alpha-BHC	ND	ug/kg	3.58					
Beta-BHC	ND	ug/kg	3.58					
Heptachlor	ND	ug/kg	3.58					
Aldrin	ND	ug/kg	3.58					
Heptachlor epoxide	ND	ug/kg	3.58					
Endrin	ND	ug/kg	3.58					
Endrin ketone	ND	ug/kg	3.58					
Dieldrin	ND	ug/kg	3.58					
4,4'-DDE	ND	ug/kg	3.58					
4,4'-DDD	ND	ug/kg	3.58					
4,4'-DDT	ND	ug/kg	3.58					
Endosulfan I	ND	ug/kg	3.58					
Endosulfan II	ND	ug/kg	3.58					
Endosulfan sulfate	ND	ug/kg	3.58					
Methoxychlor	ND	ug/kg	14.3					
trans-Chlordane	ND	ug/kg	3.58					
Chlordane	ND	ug/kg	35.8					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	49.0	%	30-150					
Decachlorobiphenyl	39.0	%	30-150					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0802902-08
SB-5 (0-3')
Sample Matrix: SOIL

Date Collected: 29-FEB-2008 11:00
Date Received : 29-FEB-2008
Date Reported : 10-MAR-2008

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber,1-Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	92	%	0.10	30	2540G		0303 20:10	NM
Total Metals								
Aluminum, Total	11000	mg/kg	5.3	1	6010B	0301 13:50	0303 10:33	MG
Antimony, Total	ND	mg/kg	2.6	1	6010B	0301 13:50	0303 10:33	MG
Arsenic, Total	4.5	mg/kg	0.53	1	6010B	0301 13:50	0303 10:33	MG
Barium, Total	60	mg/kg	0.53	1	6010B	0301 13:50	0303 10:33	MG
Beryllium, Total	0.50	mg/kg	0.26	1	6010B	0301 13:50	0303 10:33	MG
Cadmium, Total	1.2	mg/kg	0.53	1	6010B	0301 13:50	0303 10:33	MG
Calcium, Total	9500	mg/kg	5.3	1	6010B	0301 13:50	0303 10:33	MG
Chromium, Total	14	mg/kg	0.53	1	6010B	0301 13:50	0303 10:33	MG
Cobalt, Total	10	mg/kg	1.0	1	6010B	0301 13:50	0303 10:33	MG
Copper, Total	46	mg/kg	0.53	1	6010B	0301 13:50	0303 10:33	MG
Iron, Total	20000	mg/kg	2.6	1	6010B	0301 13:50	0303 10:33	MG
Lead, Total	130	mg/kg	2.6	1	6010B	0301 13:50	0303 10:33	MG
Magnesium, Total	6400	mg/kg	5.3	1	6010B	0301 13:50	0303 10:33	MG
Manganese, Total	310	mg/kg	0.53	1	6010B	0301 13:50	0303 10:33	MG
Mercury, Total	0.16	mg/kg	0.09	1	7471A	0304 20:00	0305 10:44	DM
Nickel, Total	32	mg/kg	1.3	1	6010B	0301 13:50	0303 10:33	MG
Potassium, Total	1500	mg/kg	130	1	6010B	0301 13:50	0303 10:33	MG
Selenium, Total	ND	mg/kg	2.6	1	6010B	0301 13:50	0303 10:33	MG
Silver, Total	ND	mg/kg	0.53	1	6010B	0301 13:50	0303 10:33	MG
Sodium, Total	1700	mg/kg	100	1	6010B	0301 13:50	0303 10:33	MG
Thallium, Total	ND	mg/kg	2.6	1	6010B	0301 13:50	0303 10:33	MG
Vanadium, Total	18	mg/kg	0.53	1	6010B	0301 13:50	0303 10:33	MG
Zinc, Total	430	mg/kg	2.6	1	6010B	0301 13:50	0303 10:33	MG
Volatile Organics by EPA 8260B				1	8260B		0305 16:45	GK
Methylene chloride	ND	ug/kg	27.					
1,1-Dichloroethane	ND	ug/kg	4.1					
Chloroform	ND	ug/kg	4.1					
Carbon tetrachloride	ND	ug/kg	2.7					
1,2-Dichloropropane	ND	ug/kg	9.5					
Dibromochloromethane	ND	ug/kg	2.7					
1,1,2-Trichloroethane	ND	ug/kg	4.1					
Tetrachloroethene	ND	ug/kg	2.7					
Chlorobenzene	ND	ug/kg	2.7					
Trichlorofluoromethane	ND	ug/kg	14.					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-08
SB-5 (0-3')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0305 16:45	GK
1,2-Dichloroethane	ND	ug/kg	2.7					
1,1,1-Trichloroethane	ND	ug/kg	2.7					
Bromodichloromethane	ND	ug/kg	2.7					
trans-1,3-Dichloropropene	ND	ug/kg	2.7					
cis-1,3-Dichloropropene	ND	ug/kg	2.7					
1,1-Dichloropropene	ND	ug/kg	14.					
Bromoform	ND	ug/kg	11.					
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.7					
Benzene	ND	ug/kg	2.7					
Toluene	ND	ug/kg	4.1					
Ethylbenzene	ND	ug/kg	2.7					
Chloromethane	ND	ug/kg	14.					
Bromomethane	ND	ug/kg	5.4					
Vinyl chloride	ND	ug/kg	5.4					
Chloroethane	ND	ug/kg	5.4					
1,1-Dichloroethene	ND	ug/kg	2.7					
trans-1,2-Dichloroethene	ND	ug/kg	4.1					
Trichloroethene	ND	ug/kg	2.7					
1,2-Dichlorobenzene	ND	ug/kg	14.					
1,3-Dichlorobenzene	ND	ug/kg	14.					
1,4-Dichlorobenzene	ND	ug/kg	14.					
Methyl tert butyl ether	ND	ug/kg	5.4					
p/m-Xylene	ND	ug/kg	5.4					
o-Xylene	ND	ug/kg	5.4					
cis-1,2-Dichloroethene	ND	ug/kg	2.7					
Dibromomethane	ND	ug/kg	27.					
Styrene	ND	ug/kg	5.4					
Dichlorodifluoromethane	ND	ug/kg	27.					
Acetone	ND	ug/kg	27.					
Carbon disulfide	ND	ug/kg	27.					
2-Butanone	ND	ug/kg	27.					
Vinyl acetate	ND	ug/kg	27.					
4-Methyl-2-pentanone	ND	ug/kg	27.					
1,2,3-Trichloropropane	ND	ug/kg	27.					
2-Hexanone	ND	ug/kg	27.					
Bromochloromethane	ND	ug/kg	14.					
2,2-Dichloropropane	ND	ug/kg	14.					
1,2-Dibromoethane	ND	ug/kg	11.					
1,3-Dichloropropane	ND	ug/kg	14.					
1,1,1,2-Tetrachloroethane	ND	ug/kg	2.7					
Bromobenzene	ND	ug/kg	14.					
n-Butylbenzene	ND	ug/kg	2.7					
sec-Butylbenzene	ND	ug/kg	2.7					
tert-Butylbenzene	ND	ug/kg	14.					
o-Chlorotoluene	ND	ug/kg	14.					
p-Chlorotoluene	ND	ug/kg	14.					
1,2-Dibromo-3-chloropropane	ND	ug/kg	14.					
Hexachlorobutadiene	ND	ug/kg	14.					
Isopropylbenzene	ND	ug/kg	2.7					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-08
SB-5 (0-3')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0305 16:45	GK
p-Isopropyltoluene	ND	ug/kg	2.7					
Naphthalene	ND	ug/kg	14.					
n-Propylbenzene	ND	ug/kg	2.7					
1,2,3-Trichlorobenzene	ND	ug/kg	14.					
1,2,4-Trichlorobenzene	ND	ug/kg	14.					
1,3,5-Trimethylbenzene	ND	ug/kg	14.					
1,2,4-Trimethylbenzene	ND	ug/kg	14.					
1,4-Diethylbenzene	ND	ug/kg	2.7					
4-Ethyltoluene	ND	ug/kg	2.7					
1,2,4,5-Tetramethylbenzene	ND	ug/kg	2.7					
Surrogate(s)	Recovery		QC Criteria					
1,2-Dichloroethane-d4	129	%	70-130					
Toluene-d8	103	%	70-130					
4-Bromofluorobenzene	109	%	70-130					
Dibromofluoromethane	88.0	%	70-130					
Semivolatile Organics by EPA 8270C				1	8270C	0303 21:30	0305 19:40	AK
Acenaphthene	ND	ug/kg	360					
1,2,4-Trichlorobenzene	ND	ug/kg	360					
Hexachlorobenzene	ND	ug/kg	360					
Bis(2-chloroethyl)ether	ND	ug/kg	360					
2-Chloronaphthalene	ND	ug/kg	430					
1,2-Dichlorobenzene	ND	ug/kg	360					
1,3-Dichlorobenzene	ND	ug/kg	360					
1,4-Dichlorobenzene	ND	ug/kg	360					
3,3'-Dichlorobenzidine	ND	ug/kg	720					
2,4-Dinitrotoluene	ND	ug/kg	360					
2,6-Dinitrotoluene	ND	ug/kg	360					
Fluoranthene	450	ug/kg	360					
4-Chlorophenyl phenyl ether	ND	ug/kg	360					
4-Bromophenyl phenyl ether	ND	ug/kg	360					
Bis(2-chloroisopropyl)ether	ND	ug/kg	360					
Bis(2-chloroethoxy)methane	ND	ug/kg	360					
Hexachlorobutadiene	ND	ug/kg	720					
Hexachlorocyclopentadiene	ND	ug/kg	720					
Hexachloroethane	ND	ug/kg	360					
Isophorone	ND	ug/kg	360					
Naphthalene	ND	ug/kg	360					
Nitrobenzene	ND	ug/kg	360					
NitrosoDiPhenylAmine(NDPA)/DPA	ND	ug/kg	1100					
n-Nitrosodi-n-propylamine	ND	ug/kg	360					
Bis(2-Ethylhexyl)phthalate	ND	ug/kg	720					
Butyl benzyl phthalate	ND	ug/kg	360					
Di-n-butylphthalate	ND	ug/kg	360					
Di-n-octylphthalate	ND	ug/kg	360					
Diethyl phthalate	ND	ug/kg	360					
Dimethyl phthalate	ND	ug/kg	360					
Benzo(a)anthracene	360	ug/kg	360					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-08
SB-5 (0-3')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0303 21:30	0305 19:40	AK
Benzo(a)pyrene	380	ug/kg	360					
Benzo(b)fluoranthene	560	ug/kg	360					
Benzo(k)fluoranthene	ND	ug/kg	360					
Chrysene	360	ug/kg	360					
Acenaphthylene	ND	ug/kg	360					
Anthracene	ND	ug/kg	360					
Benzo(ghi)perylene	ND	ug/kg	360					
Fluorene	ND	ug/kg	360					
Phenanthrene	ND	ug/kg	360					
Dibenzo(a,h)anthracene	ND	ug/kg	360					
Indeno(1,2,3-cd)Pyrene	ND	ug/kg	360					
Pyrene	430	ug/kg	360					
Biphenyl	ND	ug/kg	360					
4-Chloroaniline	ND	ug/kg	360					
2-Nitroaniline	ND	ug/kg	360					
3-Nitroaniline	ND	ug/kg	360					
4-Nitroaniline	ND	ug/kg	510					
Dibenzofuran	ND	ug/kg	360					
2-Methylnaphthalene	ND	ug/kg	360					
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	1400					
Acetophenone	ND	ug/kg	1400					
2,4,6-Trichlorophenol	ND	ug/kg	360					
P-Chloro-M-Cresol	ND	ug/kg	360					
2-Chlorophenol	ND	ug/kg	430					
2,4-Dichlorophenol	ND	ug/kg	720					
2,4-Dimethylphenol	ND	ug/kg	360					
2-Nitrophenol	ND	ug/kg	1400					
4-Nitrophenol	ND	ug/kg	720					
2,4-Dinitrophenol	ND	ug/kg	1400					
4,6-Dinitro-o-cresol	ND	ug/kg	1400					
Pentachlorophenol	ND	ug/kg	1400					
Phenol	ND	ug/kg	510					
2-Methylphenol	ND	ug/kg	430					
3-Methylphenol/4-Methylphenol	ND	ug/kg	430					
2,4,5-Trichlorophenol	ND	ug/kg	360					
Benzoic Acid	ND	ug/kg	3600					
Benzyl Alcohol	ND	ug/kg	720					
Carbazole	ND	ug/kg	360					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	68.0	%	25-120					
Phenol-d6	75.0	%	10-120					
Nitrobenzene-d5	63.0	%	23-120					
2-Fluorobiphenyl	72.0	%	30-120					
2,4,6-Tribromophenol	78.0	%	19-120					
4-Terphenyl-d14	87.0	%	18-120					
Polychlorinated Biphenyls by EPA 8082				1	8082	0303 19:00	0305 23:16	SS
Aroclor 1016	ND	ug/kg	36.2					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-08
SB-5 (0-3')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Polychlorinated Biphenyls by EPA 8082 cont'd				1	8082	0303 19:00	0305 23:16	SS
Aroclor 1221	ND	ug/kg	36.2					
Aroclor 1232	ND	ug/kg	36.2					
Aroclor 1242	ND	ug/kg	36.2					
Aroclor 1248	ND	ug/kg	36.2					
Aroclor 1254	ND	ug/kg	36.2					
Aroclor 1260	ND	ug/kg	36.2					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	83.0	%	30-150					
Decachlorobiphenyl	90.0	%	30-150					
Organochlorine Pesticides by EPA 8081A				1	8081A	0303 18:00	0305 21:24	JB
Delta-BHC	ND	ug/kg	3.62					
Lindane	ND	ug/kg	3.62					
Alpha-BHC	ND	ug/kg	3.62					
Beta-BHC	ND	ug/kg	3.62					
Heptachlor	ND	ug/kg	3.62					
Aldrin	ND	ug/kg	3.62					
Heptachlor epoxide	ND	ug/kg	3.62					
Endrin	ND	ug/kg	3.62					
Endrin ketone	ND	ug/kg	3.62					
Dieldrin	ND	ug/kg	3.62					
4,4'-DDE	ND	ug/kg	3.62					
4,4'-DDD	ND	ug/kg	3.62					
4,4'-DDT	ND	ug/kg	3.62					
Endosulfan I	ND	ug/kg	3.62					
Endosulfan II	ND	ug/kg	3.62					
Endosulfan sulfate	ND	ug/kg	3.62					
Methoxychlor	ND	ug/kg	14.5					
trans-Chlordane	ND	ug/kg	3.62					
Chlordane	ND	ug/kg	36.2					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	71.0	%	30-150					
Decachlorobiphenyl	55.0	%	30-150					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0802902-09
SB-5 (5-7')
Sample Matrix: SOIL

Date Collected: 29-FEB-2008 11:15
Date Received : 29-FEB-2008
Date Reported : 10-MAR-2008

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber,1-Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	94	%	0.10	30	2540G		0303 20:10	NM
Total Metals								
Aluminum, Total	5700	mg/kg	4.9	1	6010B	0301 13:50	0303 10:35	MG
Antimony, Total	ND	mg/kg	2.4	1	6010B	0301 13:50	0303 10:35	MG
Arsenic, Total	3.7	mg/kg	0.49	1	6010B	0301 13:50	0303 10:35	MG
Barium, Total	99	mg/kg	0.49	1	6010B	0301 13:50	0303 10:35	MG
Beryllium, Total	0.33	mg/kg	0.24	1	6010B	0301 13:50	0303 10:35	MG
Cadmium, Total	0.93	mg/kg	0.49	1	6010B	0301 13:50	0303 10:35	MG
Calcium, Total	40000	mg/kg	49	1	6010B	0301 13:50	0306 13:47	MG
Chromium, Total	8.8	mg/kg	0.49	1	6010B	0301 13:50	0303 10:35	MG
Cobalt, Total	3.3	mg/kg	0.98	1	6010B	0301 13:50	0303 10:35	MG
Copper, Total	25	mg/kg	0.49	1	6010B	0301 13:50	0303 10:35	MG
Iron, Total	10000	mg/kg	2.4	1	6010B	0301 13:50	0303 10:35	MG
Lead, Total	220	mg/kg	2.4	1	6010B	0301 13:50	0303 10:35	MG
Magnesium, Total	4300	mg/kg	4.9	1	6010B	0301 13:50	0303 10:35	MG
Manganese, Total	240	mg/kg	0.49	1	6010B	0301 13:50	0303 10:35	MG
Mercury, Total	0.16	mg/kg	0.09	1	7471A	0304 20:00	0305 10:46	DM
Nickel, Total	8.5	mg/kg	1.2	1	6010B	0301 13:50	0303 10:35	MG
Potassium, Total	1200	mg/kg	120	1	6010B	0301 13:50	0303 10:35	MG
Selenium, Total	ND	mg/kg	2.4	1	6010B	0301 13:50	0303 10:35	MG
Silver, Total	ND	mg/kg	0.49	1	6010B	0301 13:50	0303 10:35	MG
Sodium, Total	860	mg/kg	98	1	6010B	0301 13:50	0303 10:35	MG
Thallium, Total	ND	mg/kg	2.4	1	6010B	0301 13:50	0303 10:35	MG
Vanadium, Total	11	mg/kg	0.49	1	6010B	0301 13:50	0303 10:35	MG
Zinc, Total	180	mg/kg	2.4	1	6010B	0301 13:50	0303 10:35	MG
Volatile Organics by EPA 8260B				1	8260B		0305 17:23	GK
Methylene chloride	ND	ug/kg	26.					
1,1-Dichloroethane	ND	ug/kg	4.0					
Chloroform	ND	ug/kg	4.0					
Carbon tetrachloride	ND	ug/kg	2.6					
1,2-Dichloropropane	ND	ug/kg	9.3					
Dibromochloromethane	ND	ug/kg	2.6					
1,1,2-Trichloroethane	ND	ug/kg	4.0					
Tetrachloroethene	ND	ug/kg	2.6					
Chlorobenzene	ND	ug/kg	2.6					
Trichlorofluoromethane	ND	ug/kg	13.					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-09
SB-5 (5-7')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1 8260B		0305 17:23	GK
1,2-Dichloroethane	ND	ug/kg	2.6				
1,1,1-Trichloroethane	ND	ug/kg	2.6				
Bromodichloromethane	ND	ug/kg	2.6				
trans-1,3-Dichloropropene	ND	ug/kg	2.6				
cis-1,3-Dichloropropene	ND	ug/kg	2.6				
1,1-Dichloropropene	ND	ug/kg	13.				
Bromoform	ND	ug/kg	11.				
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.6				
Benzene	ND	ug/kg	2.6				
Toluene	ND	ug/kg	4.0				
Ethylbenzene	ND	ug/kg	2.6				
Chloromethane	ND	ug/kg	13.				
Bromomethane	ND	ug/kg	5.3				
Vinyl chloride	ND	ug/kg	5.3				
Chloroethane	ND	ug/kg	5.3				
1,1-Dichloroethene	ND	ug/kg	2.6				
trans-1,2-Dichloroethene	ND	ug/kg	4.0				
Trichloroethene	ND	ug/kg	2.6				
1,2-Dichlorobenzene	ND	ug/kg	13.				
1,3-Dichlorobenzene	ND	ug/kg	13.				
1,4-Dichlorobenzene	ND	ug/kg	13.				
Methyl tert butyl ether	ND	ug/kg	5.3				
p/m-Xylene	ND	ug/kg	5.3				
o-Xylene	ND	ug/kg	5.3				
cis-1,2-Dichloroethene	ND	ug/kg	2.6				
Dibromomethane	ND	ug/kg	26.				
Styrene	ND	ug/kg	5.3				
Dichlorodifluoromethane	ND	ug/kg	26.				
Acetone	31	ug/kg	26				
Carbon disulfide	ND	ug/kg	26.				
2-Butanone	ND	ug/kg	26.				
Vinyl acetate	ND	ug/kg	26.				
4-Methyl-2-pentanone	ND	ug/kg	26.				
1,2,3-Trichloropropane	ND	ug/kg	26.				
2-Hexanone	ND	ug/kg	26.				
Bromochloromethane	ND	ug/kg	13.				
2,2-Dichloropropane	ND	ug/kg	13.				
1,2-Dibromoethane	ND	ug/kg	11.				
1,3-Dichloropropane	ND	ug/kg	13.				
1,1,1,2-Tetrachloroethane	ND	ug/kg	2.6				
Bromobenzene	ND	ug/kg	13.				
n-Butylbenzene	ND	ug/kg	2.6				
sec-Butylbenzene	ND	ug/kg	2.6				
tert-Butylbenzene	ND	ug/kg	13.				
o-Chlorotoluene	ND	ug/kg	13.				
p-Chlorotoluene	ND	ug/kg	13.				
1,2-Dibromo-3-chloropropane	ND	ug/kg	13.				
Hexachlorobutadiene	ND	ug/kg	13.				
Isopropylbenzene	ND	ug/kg	2.6				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-09
SB-5 (5-7')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0305 17:23	GK
p-Isopropyltoluene	ND	ug/kg	2.6					
Naphthalene	ND	ug/kg	13.					
n-Propylbenzene	ND	ug/kg	2.6					
1,2,3-Trichlorobenzene	ND	ug/kg	13.					
1,2,4-Trichlorobenzene	ND	ug/kg	13.					
1,3,5-Trimethylbenzene	ND	ug/kg	13.					
1,2,4-Trimethylbenzene	ND	ug/kg	13.					
1,4-Diethylbenzene	ND	ug/kg	2.6					
4-Ethyltoluene	ND	ug/kg	2.6					
1,2,4,5-Tetramethylbenzene	ND	ug/kg	2.6					
Surrogate(s)	Recovery		QC Criteria					
1,2-Dichloroethane-d4	122	%	70-130					
Toluene-d8	97.0	%	70-130					
4-Bromofluorobenzene	105	%	70-130					
Dibromofluoromethane	81.0	%	70-130					
Semivolatile Organics by EPA 8270C				1	8270C	0303 21:30	0306 13:00	AK
Acenaphthene	ND	ug/kg	3500					
1,2,4-Trichlorobenzene	ND	ug/kg	3500					
Hexachlorobenzene	ND	ug/kg	3500					
Bis(2-chloroethyl)ether	ND	ug/kg	3500					
2-Chloronaphthalene	ND	ug/kg	4200					
1,2-Dichlorobenzene	ND	ug/kg	3500					
1,3-Dichlorobenzene	ND	ug/kg	3500					
1,4-Dichlorobenzene	ND	ug/kg	3500					
3,3'-Dichlorobenzidine	ND	ug/kg	7100					
2,4-Dinitrotoluene	ND	ug/kg	3500					
2,6-Dinitrotoluene	ND	ug/kg	3500					
Fluoranthene	ND	ug/kg	3500					
4-Chlorophenyl phenyl ether	ND	ug/kg	3500					
4-Bromophenyl phenyl ether	ND	ug/kg	3500					
Bis(2-chloroisopropyl)ether	ND	ug/kg	3500					
Bis(2-chloroethoxy)methane	ND	ug/kg	3500					
Hexachlorobutadiene	ND	ug/kg	7100					
Hexachlorocyclopentadiene	ND	ug/kg	7100					
Hexachloroethane	ND	ug/kg	3500					
Isophorone	ND	ug/kg	3500					
Naphthalene	ND	ug/kg	3500					
Nitrobenzene	ND	ug/kg	3500					
NitrosoDiPhenylAmine(NDPA)/DPA	ND	ug/kg	11000					
n-Nitrosodi-n-propylamine	ND	ug/kg	3500					
Bis(2-Ethylhexyl)phthalate	ND	ug/kg	7100					
Butyl benzyl phthalate	ND	ug/kg	3500					
Di-n-butylphthalate	ND	ug/kg	3500					
Di-n-octylphthalate	ND	ug/kg	3500					
Diethyl phthalate	ND	ug/kg	3500					
Dimethyl phthalate	ND	ug/kg	3500					
Benzo(a)anthracene	ND	ug/kg	3500					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-09
SB-5 (5-7')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0303 21:30	0306 13:00	AK
Benzo(a)pyrene	ND	ug/kg	3500					
Benzo(b)fluoranthene	ND	ug/kg	3500					
Benzo(k)fluoranthene	ND	ug/kg	3500					
Chrysene	ND	ug/kg	3500					
Acenaphthylene	ND	ug/kg	3500					
Anthracene	ND	ug/kg	3500					
Benzo(ghi)perylene	ND	ug/kg	3500					
Fluorene	ND	ug/kg	3500					
Phenanthrene	ND	ug/kg	3500					
Dibenzo(a,h)anthracene	ND	ug/kg	3500					
Indeno(1,2,3-cd)Pyrene	ND	ug/kg	3500					
Pyrene	ND	ug/kg	3500					
Biphenyl	ND	ug/kg	3500					
4-Chloroaniline	ND	ug/kg	3500					
2-Nitroaniline	ND	ug/kg	3500					
3-Nitroaniline	ND	ug/kg	3500					
4-Nitroaniline	ND	ug/kg	5000					
Dibenzofuran	ND	ug/kg	3500					
2-Methylnaphthalene	ND	ug/kg	3500					
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	14000					
Acetophenone	ND	ug/kg	14000					
2,4,6-Trichlorophenol	ND	ug/kg	3500					
P-Chloro-M-Cresol	ND	ug/kg	3500					
2-Chlorophenol	ND	ug/kg	4200					
2,4-Dichlorophenol	ND	ug/kg	7100					
2,4-Dimethylphenol	ND	ug/kg	3500					
2-Nitrophenol	ND	ug/kg	14000					
4-Nitrophenol	ND	ug/kg	7100					
2,4-Dinitrophenol	ND	ug/kg	14000					
4,6-Dinitro-o-cresol	ND	ug/kg	14000					
Pentachlorophenol	ND	ug/kg	14000					
Phenol	ND	ug/kg	5000					
2-Methylphenol	ND	ug/kg	4200					
3-Methylphenol/4-Methylphenol	ND	ug/kg	4200					
2,4,5-Trichlorophenol	ND	ug/kg	3500					
Benzoic Acid	ND	ug/kg	35000					
Benzyl Alcohol	ND	ug/kg	7100					
Carbazole	ND	ug/kg	3500					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	71.0	%	25-120					
Phenol-d6	95.0	%	10-120					
Nitrobenzene-d5	88.0	%	23-120					
2-Fluorobiphenyl	86.0	%	30-120					
2,4,6-Tribromophenol	41.0	%	19-120					
4-Terphenyl-d14	84.0	%	18-120					
Polychlorinated Biphenyls by EPA 8082				1	8082	0303 19:00	0305 23:45	SS
Aroclor 1016	ND	ug/kg	35.5					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-09
SB-5 (5-7')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Polychlorinated Biphenyls by EPA 8082 cont'd				1	8082	0303 19:00	0305 23:45	SS
Aroclor 1221	ND	ug/kg	35.5					
Aroclor 1232	ND	ug/kg	35.5					
Aroclor 1242	ND	ug/kg	35.5					
Aroclor 1248	ND	ug/kg	35.5					
Aroclor 1254	ND	ug/kg	35.5					
Aroclor 1260	ND	ug/kg	35.5					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	82.0	%	30-150					
Decachlorobiphenyl	87.0	%	30-150					
Organochlorine Pesticides by EPA 8081A				1	8081A	0303 18:00	0305 21:38	JB
Delta-BHC	ND	ug/kg	3.55					
Lindane	ND	ug/kg	3.55					
Alpha-BHC	ND	ug/kg	3.55					
Beta-BHC	ND	ug/kg	3.55					
Heptachlor	ND	ug/kg	3.55					
Aldrin	ND	ug/kg	3.55					
Heptachlor epoxide	ND	ug/kg	3.55					
Endrin	ND	ug/kg	3.55					
Endrin ketone	ND	ug/kg	3.55					
Dieldrin	ND	ug/kg	3.55					
4,4'-DDE	ND	ug/kg	3.55					
4,4'-DDD	ND	ug/kg	3.55					
4,4'-DDT	ND	ug/kg	3.55					
Endosulfan I	ND	ug/kg	3.55					
Endosulfan II	ND	ug/kg	3.55					
Endosulfan sulfate	ND	ug/kg	3.55					
Methoxychlor	ND	ug/kg	14.2					
trans-Chlordane	ND	ug/kg	3.55					
Chlordane	ND	ug/kg	35.5					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	61.0	%	30-150					
Decachlorobiphenyl	56.0	%	30-150					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0802902-10
FD-1
Sample Matrix: SOIL

Date Collected: 29-FEB-2008 11:10
Date Received : 29-FEB-2008
Date Reported : 10-MAR-2008

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber,1-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID

******* THIS SAMPLE IS ON HOLD *******

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0802902-11
TB-1
Sample Matrix: WATER

Date Collected: 25-FEB-2008 21:00
Date Received : 29-FEB-2008
Date Reported : 10-MAR-2008

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B				1 8260B		0310 15:36	BS
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	ND	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
p/m-Xylene	ND	ug/l	1.0				
o-Xylene	ND	ug/l	1.0				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Styrene	ND	ug/l	1.0				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-11
TB-1

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0310 15:36	BS
Dichlorodifluoromethane	ND	ug/l	5.0					
Acetone	ND	ug/l	5.0					
Carbon disulfide	ND	ug/l	5.0					
2-Butanone	ND	ug/l	5.0					
Vinyl acetate	ND	ug/l	5.0					
4-Methyl-2-pentanone	ND	ug/l	5.0					
2-Hexanone	ND	ug/l	5.0					
Bromochloromethane	ND	ug/l	2.5					
2,2-Dichloropropane	ND	ug/l	2.5					
1,2-Dibromoethane	ND	ug/l	2.0					
1,3-Dichloropropane	ND	ug/l	2.5					
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50					
Bromobenzene	ND	ug/l	2.5					
n-Butylbenzene	ND	ug/l	0.50					
sec-Butylbenzene	ND	ug/l	0.50					
tert-Butylbenzene	ND	ug/l	2.5					
o-Chlorotoluene	ND	ug/l	2.5					
p-Chlorotoluene	ND	ug/l	2.5					
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5					
Hexachlorobutadiene	ND	ug/l	0.60					
Isopropylbenzene	ND	ug/l	0.50					
p-Isopropyltoluene	ND	ug/l	0.50					
Naphthalene	ND	ug/l	2.5					
n-Propylbenzene	ND	ug/l	0.50					
1,2,3-Trichlorobenzene	ND	ug/l	2.5					
1,2,4-Trichlorobenzene	ND	ug/l	2.5					
1,3,5-Trimethylbenzene	ND	ug/l	2.5					
1,2,4-Trimethylbenzene	ND	ug/l	2.5					

Surrogate(s)	Recovery		QC Criteria
1,2-Dichloroethane-d4	100	%	70-130
Toluene-d8	99.0	%	70-130
4-Bromofluorobenzene	102	%	70-130
Dibromofluoromethane	103	%	70-130

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH DUPLICATE ANALYSIS

Laboratory Job Number: L0802902

Parameter	Value 1	Value 2	Units	RPD	RPD Limits
Solids, Total for sample(s) 02-09 (L0802902-02, WG313370-1)					
Solids, Total	87	88	%	1	20
Total Metals for sample(s) 02-09 (L0802902-02, WG313283-1)					
Aluminum, Total	12000	13000	mg/kg	8	35
Antimony, Total	ND	ND	mg/kg	NC	35
Arsenic, Total	3.1	2.0	mg/kg	43	35
Barium, Total	75	97	mg/kg	26	35
Beryllium, Total	0.58	0.65	mg/kg	11	35
Cadmium, Total	ND	ND	mg/kg	NC	35
Calcium, Total	4400	5100	mg/kg	15	35
Chromium, Total	18	20	mg/kg	11	35
Cobalt, Total	9.1	11	mg/kg	19	35
Copper, Total	17	12	mg/kg	34	35
Iron, Total	19000	19000	mg/kg	0	35
Lead, Total	12	10	mg/kg	18	35
Magnesium, Total	5200	6700	mg/kg	25	35
Manganese, Total	260	240	mg/kg	8	35
Nickel, Total	20	22	mg/kg	10	35
Potassium, Total	4400	6100	mg/kg	32	35
Selenium, Total	ND	ND	mg/kg	NC	35
Silver, Total	ND	ND	mg/kg	NC	35
Sodium, Total	110	ND	mg/kg	NC	35
Thallium, Total	ND	ND	mg/kg	NC	35
Vanadium, Total	29	34	mg/kg	16	35
Zinc, Total	44	37	mg/kg	17	35
Total Metals for sample(s) 01 (L0802902-01, WG313460-1)					
Aluminum, Total	ND	ND	mg/l	NC	20
Antimony, Total	ND	ND	mg/l	NC	20
Arsenic, Total	ND	ND	mg/l	NC	20
Barium, Total	ND	ND	mg/l	NC	20
Beryllium, Total	ND	ND	mg/l	NC	20
Cadmium, Total	ND	ND	mg/l	NC	20
Calcium, Total	0.15	0.20	mg/l	29	20
Chromium, Total	ND	ND	mg/l	NC	20
Cobalt, Total	ND	ND	mg/l	NC	20
Copper, Total	ND	ND	mg/l	NC	20
Iron, Total	ND	ND	mg/l	NC	20
Lead, Total	ND	ND	mg/l	NC	20
Magnesium, Total	ND	ND	mg/l	NC	20
Manganese, Total	ND	ND	mg/l	NC	20
Nickel, Total	ND	ND	mg/l	NC	20
Potassium, Total	ND	ND	mg/l	NC	20
Selenium, Total	ND	ND	mg/l	NC	20
Silver, Total	ND	ND	mg/l	NC	20
Sodium, Total	ND	ND	mg/l	NC	20
Thallium, Total	ND	ND	mg/l	NC	20
Vanadium, Total	ND	ND	mg/l	NC	20

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH DUPLICATE ANALYSIS

Laboratory Job Number: L0802902

Continued

Parameter	Value 1	Value 2	Units	RPD	RPD Limits
Total Metals for sample(s) 01 (L0802902-01, WG313460-1)					
Zinc, Total	ND	ND	mg/l	NC	20
Total Metals for sample(s) 02-09 (L0802902-02, WG313495-3)					
Mercury, Total	ND	ND	mg/kg	NC	35
Total Metals for sample(s) 01 (L0802902-01, WG313415-3)					
Mercury, Total	ND	ND	mg/l	NC	20
Dissolved Metals for sample(s) 01 (L0802902-01, WG313270-1)					
Aluminum, Dissolved	ND	ND	mg/l	NC	20
Antimony, Dissolved	ND	ND	mg/l	NC	20
Arsenic, Dissolved	ND	ND	mg/l	NC	20
Barium, Dissolved	ND	ND	mg/l	NC	20
Beryllium, Dissolved	ND	ND	mg/l	NC	20
Cadmium, Dissolved	ND	ND	mg/l	NC	20
Calcium, Dissolved	0.18	0.17	mg/l	6	20
Chromium, Dissolved	ND	ND	mg/l	NC	20
Cobalt, Dissolved	ND	ND	mg/l	NC	20
Copper, Dissolved	ND	ND	mg/l	NC	20
Iron, Dissolved	ND	ND	mg/l	NC	20
Lead, Dissolved	ND	ND	mg/l	NC	20
Magnesium, Dissolved	ND	ND	mg/l	NC	20
Manganese, Dissolved	ND	ND	mg/l	NC	20
Nickel, Dissolved	ND	ND	mg/l	NC	20
Potassium, Dissolved	ND	ND	mg/l	NC	20
Selenium, Dissolved	ND	ND	mg/l	NC	20
Silver, Dissolved	ND	ND	mg/l	NC	20
Sodium, Dissolved	ND	ND	mg/l	NC	20
Thallium, Dissolved	ND	ND	mg/l	NC	20
Vanadium, Dissolved	ND	ND	mg/l	NC	20
Zinc, Dissolved	ND	ND	mg/l	NC	20
Dissolved Metals for sample(s) 01 (L0802902-01, WG313615-3)					
Mercury, Dissolved	ND	ND	mg/l	NC	20

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0802902

Parameter	% Recovery	QC Criteria
Total Metals LCS for sample(s) 02-09 (WG313283-4)		
Aluminum, Total	95	75-125
Antimony, Total	97	75-125
Arsenic, Total	97	75-125
Barium, Total	94	75-125
Beryllium, Total	97	75-125
Cadmium, Total	103	75-125
Calcium, Total	93	75-125
Chromium, Total	96	75-125
Cobalt, Total	93	75-125
Copper, Total	97	75-125
Iron, Total	99	75-125
Lead, Total	99	75-125
Magnesium, Total	91	75-125
Manganese, Total	93	75-125
Nickel, Total	93	75-125
Potassium, Total	87	75-125
Selenium, Total	92	75-125
Silver, Total	94	75-125
Sodium, Total	89	75-125
Thallium, Total	94	75-125
Vanadium, Total	97	75-125
Zinc, Total	97	75-125
Total Metals LCS for sample(s) 01 (WG313460-4)		
Aluminum, Total	95	80-120
Antimony, Total	97	80-120
Arsenic, Total	104	80-120
Barium, Total	96	80-120
Beryllium, Total	99	80-120
Cadmium, Total	105	80-120
Calcium, Total	96	80-120
Chromium, Total	95	80-120
Cobalt, Total	97	80-120
Copper, Total	95	80-120
Iron, Total	97	80-120
Lead, Total	102	80-120
Magnesium, Total	95	80-120
Manganese, Total	95	80-120
Nickel, Total	93	80-120
Potassium, Total	95	80-120
Selenium, Total	103	80-120
Silver, Total	98	80-120
Sodium, Total	100	80-120
Thallium, Total	97	80-120
Vanadium, Total	96	80-120
Zinc, Total	98	80-120

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0802902

Continued

Parameter	% Recovery	QC Criteria
Total Metals LCS for sample(s) 01 (WG313415-1)		
Mercury, Total	99	80-120
Total Metals LCS for sample(s) 02-09 (WG313495-1)		
Mercury, Total	97	85-115
Dissolved Metals LCS for sample(s) 01 (WG313270-4)		
Aluminum, Dissolved	95	80-120
Antimony, Dissolved	99	80-120
Arsenic, Dissolved	107	80-120
Barium, Dissolved	98	80-120
Beryllium, Dissolved	102	80-120
Cadmium, Dissolved	106	80-120
Calcium, Dissolved	98	80-120
Chromium, Dissolved	100	80-120
Cobalt, Dissolved	99	80-120
Copper, Dissolved	98	80-120
Iron, Dissolved	97	80-120
Lead, Dissolved	102	80-120
Magnesium, Dissolved	96	80-120
Manganese, Dissolved	97	80-120
Nickel, Dissolved	93	80-120
Potassium, Dissolved	95	80-120
Selenium, Dissolved	110	80-120
Silver, Dissolved	100	80-120
Sodium, Dissolved	100	80-120
Thallium, Dissolved	100	80-120
Vanadium, Dissolved	98	80-120
Zinc, Dissolved	99	80-120
Dissolved Metals LCS for sample(s) 01 (WG313615-1)		
Mercury, Dissolved	107	70-130
Volatile Organics by EPA 8260B LCS for sample(s) 02-06,08-09 (WG313815-3)		
Chlorobenzene	104	60-133
Benzene	104	66-142
Toluene	106	59-139
1,1-Dichloroethene	100	59-172
Trichloroethene	97	62-137
Surrogate(s)		
1,2-Dichloroethane-d4	103	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	99	70-130
Dibromofluoromethane	104	70-130

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0802902

Continued

Parameter	% Recovery	QC Criteria
Volatile Organics by EPA 8260B LCS for sample(s) 05,07 (WG313815-5)		
Chlorobenzene	100	60-133
Benzene	98	66-142
Toluene	102	59-139
1,1-Dichloroethene	98	59-172
Trichloroethene	99	62-137
Surrogate(s)		
1,2-Dichloroethane-d4	116	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	93	70-130
Dibromofluoromethane	113	70-130
Semivolatile Organics by EPA 8270C LCS for sample(s) 02-09 (WG313384-2)		
Acenaphthene	87	31-137
1,2,4-Trichlorobenzene	80	38-107
2-Chloronaphthalene	87	40-140
1,2-Dichlorobenzene	76	40-140
1,4-Dichlorobenzene	79	28-104
2,4-Dinitrotoluene	107	28-89
2,6-Dinitrotoluene	114	40-140
Fluoranthene	94	40-140
4-Chlorophenyl phenyl ether	113	40-140
n-Nitrosodi-n-propylamine	71	41-126
Butyl benzyl phthalate	101	40-140
Anthracene	75	40-140
Pyrene	93	35-142
P-Chloro-M-Cresol	82	26-103
2-Chlorophenol	68	25-102
2-Nitrophenol	85	30-130
4-Nitrophenol	85	11-114
2,4-Dinitrophenol	27	30-130
Pentachlorophenol	77	17-109
Phenol	87	26-90
Surrogate(s)		
2-Fluorophenol	70	25-120
Phenol-d6	93	10-120
Nitrobenzene-d5	87	23-120
2-Fluorobiphenyl	94	30-120
2,4,6-Tribromophenol	91	19-120
4-Terphenyl-d14	105	18-120
Polychlorinated Biphenyls by EPA 8082 LCS for sample(s) 02-09 (WG313379-2)		
Aroclor 1016	77	40-140
Aroclor 1260	90	40-140

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0802902

Continued

Parameter	% Recovery	QC Criteria
Polychlorinated Biphenyls by EPA 8082 LCS for sample(s) 02-09 (WG313379-2)		
Surrogate(s)		
2,4,5,6-Tetrachloro-m-xylene	71	30-150
Decachlorobiphenyl	108	30-150
Organochlorine Pesticides by EPA 8081A LCS for sample(s) 02-09 (WG313378-2)		
Delta-BHC	53	30-150
Lindane	61	30-150
Alpha-BHC	61	30-150
Beta-BHC	59	30-150
Heptachlor	63	30-150
Aldrin	57	30-150
Heptachlor epoxide	63	30-150
Endrin	72	30-150
Endrin ketone	66	30-150
Dieldrin	65	30-150
4,4'-DDE	66	30-150
4,4'-DDD	69	30-150
4,4'-DDT	68	30-150
Endosulfan I	60	30-150
Endosulfan II	60	30-150
Endosulfan sulfate	60	30-150
Methoxychlor	76	30-150
trans-Chlordane	58	30-150
Surrogate(s)		
2,4,5,6-Tetrachloro-m-xylene	58	30-150
Decachlorobiphenyl	50	30-150
Total Metals SPIKE for sample(s) 01 (L0802902-01, WG313460-2)		
Aluminum, Total	95	75-125
Antimony, Total	97	75-125
Arsenic, Total	102	75-125
Barium, Total	95	75-125
Beryllium, Total	98	75-125
Cadmium, Total	104	75-125
Calcium, Total	96	75-125
Chromium, Total	95	75-125
Cobalt, Total	96	75-125
Copper, Total	95	75-125
Iron, Total	100	75-125
Lead, Total	100	75-125
Magnesium, Total	95	75-125
Manganese, Total	95	75-125
Nickel, Total	92	75-125
Potassium, Total	95	75-125
Selenium, Total	102	75-125
Silver, Total	98	75-125

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0802902

Continued

Parameter	% Recovery	QC Criteria
Total Metals SPIKE for sample(s) 01 (L0802902-01, WG313460-2)		
Sodium, Total	99	75-125
Thallium, Total	102	75-125
Vanadium, Total	96	75-125
Zinc, Total	98	75-125
Total Metals SPIKE for sample(s) 02-09 (L0802902-02, WG313283-2)		
Aluminum, Total	1860	75-125
Antimony, Total	31	75-125
Arsenic, Total	82	75-125
Barium, Total	89	75-125
Beryllium, Total	90	75-125
Cadmium, Total	99	75-125
Calcium, Total	0	75-125
Chromium, Total	93	75-125
Cobalt, Total	85	75-125
Copper, Total	82	75-125
Iron, Total	1860	75-125
Lead, Total	88	75-125
Magnesium, Total	205	75-125
Manganese, Total	0	75-125
Nickel, Total	86	75-125
Potassium, Total	205	75-125
Selenium, Total	82	75-125
Silver, Total	93	75-125
Sodium, Total	127	75-125
Thallium, Total	106	75-125
Vanadium, Total	93	75-125
Zinc, Total	97	75-125
Total Metals SPIKE for sample(s) 02-09 (L0802902-02, WG313495-2)		
Mercury, Total	119	70-130
Total Metals SPIKE for sample(s) 01 (L0802902-01, WG313415-2)		
Mercury, Total	116	70-130
Dissolved Metals SPIKE for sample(s) 01 (L0802902-01, WG313270-2)		
Aluminum, Dissolved	95	75-125
Antimony, Dissolved	97	75-125
Arsenic, Dissolved	103	75-125
Barium, Dissolved	96	75-125
Beryllium, Dissolved	99	75-125
Cadmium, Dissolved	103	75-125
Calcium, Dissolved	95	75-125
Chromium, Dissolved	95	75-125
Cobalt, Dissolved	97	75-125
Copper, Dissolved	95	75-125
Iron, Dissolved	96	75-125
Lead, Dissolved	100	75-125

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0802902

Continued

Parameter	% Recovery	QC Criteria
Dissolved Metals SPIKE for sample(s) 01 (L0802902-01, WG313270-2)		
Magnesium, Dissolved	95	75-125
Manganese, Dissolved	95	75-125
Nickel, Dissolved	91	75-125
Potassium, Dissolved	92	75-125
Selenium, Dissolved	103	75-125
Silver, Dissolved	97	75-125
Sodium, Dissolved	100	75-125
Thallium, Dissolved	99	75-125
Vanadium, Dissolved	96	75-125
Zinc, Dissolved	97	75-125
Dissolved Metals SPIKE for sample(s) 01 (L0802902-01, WG313615-2)		
Mercury, Dissolved	117	70-130

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0802902

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by EPA 8260B for sample(s) 01,11 (WG314073-1, WG314073-2)					
Chlorobenzene	95	81	16	20	75-130
Benzene	95	80	17	20	76-127
Toluene	95	80	17	20	76-125
1,1-Dichloroethene	92	82	11	20	61-145
Trichloroethene	98	84	15	20	71-120
Surrogate(s)					
1,2-Dichloroethane-d4	94	98	4		70-130
Toluene-d8	99	98	1		70-130
4-Bromofluorobenzene	102	100	2		70-130
Dibromofluoromethane	98	100	2		70-130
Semivolatile Organics by EPA 8270C for sample(s) 01 (WG313450-2, WG313450-3)					
Acenaphthene	73	58	23	30	46-118
1,2,4-Trichlorobenzene	64	44	37	30	39-98
2-Chloronaphthalene	70	52	30	30	40-140
1,2-Dichlorobenzene	58	40	37	30	40-140
1,4-Dichlorobenzene	59	38	43	30	36-97
2,4-Dinitrotoluene	83	81	2	30	24-96
2,6-Dinitrotoluene	85	77	10	30	40-140
Fluoranthene	77	75	3	30	40-140
4-Chlorophenyl phenyl ether	80	68	16	30	40-140
n-Nitrosodi-n-propylamine	56	43	26	30	41-116
Butyl benzyl phthalate	87	85	2	30	40-140
Anthracene	68	68	0	30	40-140
Pyrene	77	74	4	30	26-127
P-Chloro-M-Cresol	76	60	24	30	23-97
2-Chlorophenol	57	41	33	30	27-123
2-Nitrophenol	73	55	28	30	30-130
4-Nitrophenol	38	37	3	30	10-80
2,4-Dinitrophenol	74	73	1	30	30-130
Pentachlorophenol	66	64	3	30	9-103
Phenol	24	18	29	30	12-110
Surrogate(s)					
2-Fluorophenol	37	26	35		21-120
Phenol-d6	32	23	33		10-120
Nitrobenzene-d5	77	57	30		23-120
2-Fluorobiphenyl	74	56	28		43-120
2,4,6-Tribromophenol	86	79	8		10-120
4-Terphenyl-d14	86	82	5		33-120
Polychlorinated Biphenyls by EPA 8082 for sample(s) 01 (WG313452-2, WG313452-3)					
Aroclor 1016	70	75	6	30	40-140
Aroclor 1260	89	91	1	30	40-140

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0802902

Continued

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Polychlorinated Biphenyls by EPA 8082 for sample(s) 01 (WG313452-2, WG313452-3)					
Surrogate(s)					
2,4,5,6-Tetrachloro-m-xylene	61	64	5		30-150
Decachlorobiphenyl	83	86	4		30-150
Organochlorine Pesticides by EPA 8081A for sample(s) 01 (WG313451-2, WG313451-3)					
Delta-BHC	39	56	36		30-150
Lindane	53	64	19		30-150
Alpha-BHC	53	63	18		30-150
Beta-BHC	52	63	18		30-150
Heptachlor	45	51	12		30-150
Aldrin	49	53	8		30-150
Heptachlor epoxide	54	68	23		30-150
Endrin	67	80	19		30-150
Endrin ketone	50	67	29		30-150
Dieldrin	56	72	25		30-150
4,4'-DDE	58	72	22		30-150
4,4'-DDD	62	74	18		30-150
4,4'-DDT	53	67	23		30-150
Endosulfan I	54	68	23		30-150
Endosulfan II	57	73	24		30-150
Endosulfan sulfate	49	70	34		30-150
Methoxychlor	53	71	28		30-150
trans-Chlordane	53	66	21		30-150
Surrogate(s)					
2,4,5,6-Tetrachloro-m-xylene	45	50	11		30-150
Decachlorobiphenyl	41	58	34		30-150

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH MS/MSD ANALYSIS

Laboratory Job Number: L0802902

Parameter	MS %	MSD %	RPD	RPD Limit	MS/MSD Limits
Volatile Organics by EPA 8260B for sample(s) 02-09 (L0802902-07, WG313815-2)					
Chlorobenzene	82	80	2	30	60-133
Benzene	83	80	4	30	66-142
Toluene	85	87	2	30	59-139
1,1-Dichloroethene	87	87	0	30	59-172
Trichloroethene	82	82	0	30	62-137
Surrogate(s)					
1,2-Dichloroethane-d4	127	122	4		70-130
Toluene-d8	102	105	3		70-130
4-Bromofluorobenzene	126	127	1		70-130
Dibromofluoromethane	104	106	2		70-130
Semivolatile Organics by EPA 8270C for sample(s) 02-09 (L0802902-02, WG313384-4)					
Acenaphthene	94	82	14	50	31-137
1,2,4-Trichlorobenzene	74	65	13	50	38-107
2-Chloronaphthalene	73	65	12	50	40-140
1,2-Dichlorobenzene	67	60	11	50	40-140
1,4-Dichlorobenzene	65	59	10	50	28-104
2,4-Dinitrotoluene	81	80	1	50	28-89
2,6-Dinitrotoluene	70	68	3	50	40-140
Fluoranthene	160	98	48	50	40-140
4-Chlorophenyl phenyl ether	78	77	1	50	40-140
n-Nitrosodi-n-propylamine	60	55	9	50	41-126
Butyl benzyl phthalate	76	76	0	50	40-140
Anthracene	100	81	21	50	40-140
Pyrene	160	99	47	50	35-142
P-Chloro-M-Cresol	78	72	8	50	26-103
2-Chlorophenol	65	59	10	50	25-102
2-Nitrophenol	61	54	12	50	30-130
4-Nitrophenol	78	78	0	50	11-114
2,4-Dinitrophenol	56	57	2	50	30-130
Pentachlorophenol	72	46	44	50	17-109
Phenol	59	54	9	50	26-90
Surrogate(s)					
2-Fluorophenol	73	64	13		25-120
Phenol-d6	75	69	8		10-120
Nitrobenzene-d5	66	59	11		23-120
2-Fluorobiphenyl	77	69	11		30-120
2,4,6-Tribromophenol	95	91	4		19-120
4-Terphenyl-d14	82	82	0		18-120
Polychlorinated Biphenyls by EPA 8082 for sample(s) 02-09 (L0802902-02, WG313379-4)					
Aroclor 1016	60	84	33	50	40-140
Aroclor 1260	58	76	27	50	40-140

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH MS/MSD ANALYSIS

Laboratory Job Number: L0802902

Continued

Parameter	MS %	MSD %	RPD	RPD Limit	MS/MSD Limits
Polychlorinated Biphenyls by EPA 8082 for sample(s) 02-09 (L0802902-02, WG313379-4)					
Surrogate(s)					
2,4,5,6-Tetrachloro-m-xylene	62	79	24		30-150
Decachlorobiphenyl	72	96	29		30-150
Organochlorine Pesticides by EPA 8081A for sample(s) 02-09 (L0802902-02, WG313378-4)					
Delta-BHC	59	54	9	50	30-150
Lindane	64	57	12	50	30-150
Alpha-BHC	66	59	11	50	30-150
Beta-BHC	64	59	8	50	30-150
Heptachlor	69	62	10	50	30-150
Aldrin	62	57	9	50	30-150
Heptachlor epoxide	69	64	7	50	30-150
Endrin	80	74	8	50	30-150
Endrin ketone	74	69	6	50	30-150
Dieldrin	71	67	7	50	30-150
4,4'-DDE	72	65	11	50	30-150
4,4'-DDD	78	72	8	50	30-150
4,4'-DDT	76	71	6	50	30-150
Endosulfan I	64	57	11	50	30-150
Endosulfan II	67	62	7	50	30-150
Endosulfan sulfate	67	62	8	50	30-150
Methoxychlor	86	80	6	50	30-150
trans-Chlordane	63	58	8	50	30-150
Surrogate(s)					
2,4,5,6-Tetrachloro-m-xylene	63	49	25		30-150
Decachlorobiphenyl	58	48	19		30-150

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0802902

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 02-09 (WG313283-3)								
Total Metals								
Aluminum, Total	ND	mg/kg	5.0	1	6010B	0301 13:50	0303 09:15	MG
Antimony, Total	ND	mg/kg	2.5	1	6010B	0301 13:50	0303 09:15	MG
Arsenic, Total	ND	mg/kg	0.50	1	6010B	0301 13:50	0303 09:15	MG
Barium, Total	ND	mg/kg	0.50	1	6010B	0301 13:50	0303 09:15	MG
Beryllium, Total	ND	mg/kg	0.25	1	6010B	0301 13:50	0303 09:15	MG
Cadmium, Total	ND	mg/kg	0.50	1	6010B	0301 13:50	0303 09:15	MG
Calcium, Total	18	mg/kg	5.0	1	6010B	0301 13:50	0303 09:15	MG
Chromium, Total	ND	mg/kg	0.50	1	6010B	0301 13:50	0303 09:15	MG
Cobalt, Total	ND	mg/kg	1.0	1	6010B	0301 13:50	0303 09:15	MG
Copper, Total	ND	mg/kg	0.50	1	6010B	0301 13:50	0303 09:15	MG
Iron, Total	ND	mg/kg	2.5	1	6010B	0301 13:50	0303 09:15	MG
Lead, Total	ND	mg/kg	2.5	1	6010B	0301 13:50	0303 09:15	MG
Magnesium, Total	ND	mg/kg	5.0	1	6010B	0301 13:50	0303 09:15	MG
Manganese, Total	ND	mg/kg	0.50	1	6010B	0301 13:50	0303 09:15	MG
Nickel, Total	ND	mg/kg	1.2	1	6010B	0301 13:50	0303 09:15	MG
Potassium, Total	ND	mg/kg	120	1	6010B	0301 13:50	0303 09:15	MG
Selenium, Total	ND	mg/kg	2.5	1	6010B	0301 13:50	0303 09:15	MG
Silver, Total	ND	mg/kg	0.50	1	6010B	0301 13:50	0303 09:15	MG
Sodium, Total	ND	mg/kg	100	1	6010B	0301 13:50	0303 09:15	MG
Thallium, Total	ND	mg/kg	2.5	1	6010B	0301 13:50	0303 09:15	MG
Vanadium, Total	ND	mg/kg	0.50	1	6010B	0301 13:50	0303 09:15	MG
Zinc, Total	ND	mg/kg	2.5	1	6010B	0301 13:50	0303 09:15	MG
Blank Analysis for sample(s) 01 (WG313460-3)								
Total Metals								
Aluminum, Total	ND	mg/l	0.10	1	6010B	0304 15:00	0306 10:20	AI
Antimony, Total	ND	mg/l	0.050	1	6010B	0304 15:00	0306 10:20	AI
Arsenic, Total	ND	mg/l	0.005	1	6010B	0304 15:00	0306 10:20	AI
Barium, Total	ND	mg/l	0.010	1	6010B	0304 15:00	0306 10:20	AI
Beryllium, Total	ND	mg/l	0.005	1	6010B	0304 15:00	0306 10:20	AI
Cadmium, Total	ND	mg/l	0.005	1	6010B	0304 15:00	0306 10:20	AI
Calcium, Total	ND	mg/l	0.10	1	6010B	0304 15:00	0306 10:20	AI
Chromium, Total	ND	mg/l	0.01	1	6010B	0304 15:00	0306 10:20	AI
Cobalt, Total	ND	mg/l	0.020	1	6010B	0304 15:00	0306 10:20	AI
Copper, Total	ND	mg/l	0.010	1	6010B	0304 15:00	0306 10:20	AI
Iron, Total	ND	mg/l	0.05	1	6010B	0304 15:00	0306 10:20	AI
Lead, Total	ND	mg/l	0.010	1	6010B	0304 15:00	0306 10:20	AI
Magnesium, Total	ND	mg/l	0.10	1	6010B	0304 15:00	0306 10:20	AI
Manganese, Total	ND	mg/l	0.010	1	6010B	0304 15:00	0306 10:20	AI
Nickel, Total	ND	mg/l	0.025	1	6010B	0304 15:00	0306 10:20	AI
Potassium, Total	ND	mg/l	2.5	1	6010B	0304 15:00	0306 10:20	AI
Selenium, Total	ND	mg/l	0.010	1	6010B	0304 15:00	0306 10:20	AI
Silver, Total	ND	mg/l	0.007	1	6010B	0304 15:00	0306 10:20	AI
Sodium, Total	ND	mg/l	2.0	1	6010B	0304 15:00	0306 10:20	AI

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Blank Analysis for sample(s) 01 (WG313460-3)								
Total Metals								
Thallium, Total	ND	mg/l	0.020	1	6010B	0304 15:00	0306 10:20	AI
Vanadium, Total	ND	mg/l	0.010	1	6010B	0304 15:00	0306 10:20	AI
Zinc, Total	ND	mg/l	0.050	1	6010B	0304 15:00	0306 10:20	AI
Blank Analysis for sample(s) 01 (WG313415-4)								
Total Metals								
Mercury, Total	ND	mg/l	0.0002	1	7470A	0304 10:15	0304 14:52	RC
Blank Analysis for sample(s) 02-09 (WG313495-4)								
Total Metals								
Mercury, Total	ND	mg/kg	0.08	1	7471A	0304 20:00	0305 10:23	DM
Blank Analysis for sample(s) 01 (WG313270-3)								
Dissolved Metals								
Aluminum, Dissolved	ND	mg/l	0.10	1	6010B	0301 11:45	0304 10:46	AI
Antimony, Dissolved	ND	mg/l	0.050	1	6010B	0301 11:45	0304 10:46	AI
Arsenic, Dissolved	ND	mg/l	0.005	1	6010B	0301 11:45	0304 10:46	AI
Barium, Dissolved	ND	mg/l	0.010	1	6010B	0301 11:45	0304 10:46	AI
Beryllium, Dissolved	ND	mg/l	0.005	1	6010B	0301 11:45	0304 10:46	AI
Cadmium, Dissolved	ND	mg/l	0.005	1	6010B	0301 11:45	0304 10:46	AI
Calcium, Dissolved	ND	mg/l	0.10	1	6010B	0301 11:45	0304 10:46	AI
Chromium, Dissolved	ND	mg/l	0.01	1	6010B	0301 11:45	0304 10:46	AI
Cobalt, Dissolved	ND	mg/l	0.020	1	6010B	0301 11:45	0304 10:46	AI
Copper, Dissolved	ND	mg/l	0.010	1	6010B	0301 11:45	0304 10:46	AI
Iron, Dissolved	ND	mg/l	0.05	1	6010B	0301 11:45	0304 10:46	AI
Lead, Dissolved	ND	mg/l	0.010	1	6010B	0301 11:45	0304 10:46	AI
Magnesium, Dissolved	ND	mg/l	0.10	1	6010B	0301 11:45	0304 10:46	AI
Manganese, Dissolved	ND	mg/l	0.010	1	6010B	0301 11:45	0304 10:46	AI
Nickel, Dissolved	ND	mg/l	0.025	1	6010B	0301 11:45	0304 10:46	AI
Potassium, Dissolved	ND	mg/l	2.5	1	6010B	0301 11:45	0304 10:46	AI
Selenium, Dissolved	ND	mg/l	0.010	1	6010B	0301 11:45	0304 10:46	AI
Silver, Dissolved	ND	mg/l	0.007	1	6010B	0301 11:45	0304 10:46	AI
Sodium, Dissolved	ND	mg/l	2.0	1	6010B	0301 11:45	0304 10:46	AI
Thallium, Dissolved	ND	mg/l	0.020	1	6010B	0301 11:45	0304 10:46	AI
Vanadium, Dissolved	ND	mg/l	0.010	1	6010B	0301 11:45	0304 10:46	AI
Zinc, Dissolved	ND	mg/l	0.050	1	6010B	0301 11:45	0304 10:46	AI

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PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01 (WG313615-4)								
Dissolved Metals								
Mercury, Dissolved	ND	mg/l	0.0002	1	7470A	0305 16:00	0306 18:04	RC
Blank Analysis for sample(s) 02-06,08-09 (WG313815-4)								
Volatile Organics by EPA 8260B				1	8260B		0305 12:20	GK
Methylene chloride	ND	ug/kg	25.					
1,1-Dichloroethane	ND	ug/kg	3.8					
Chloroform	ND	ug/kg	3.8					
Carbon tetrachloride	ND	ug/kg	2.5					
1,2-Dichloropropane	ND	ug/kg	8.8					
Dibromochloromethane	ND	ug/kg	2.5					
1,1,2-Trichloroethane	ND	ug/kg	3.8					
Tetrachloroethene	ND	ug/kg	2.5					
Chlorobenzene	ND	ug/kg	2.5					
Trichlorofluoromethane	ND	ug/kg	12.					
1,2-Dichloroethane	ND	ug/kg	2.5					
1,1,1-Trichloroethane	ND	ug/kg	2.5					
Bromodichloromethane	ND	ug/kg	2.5					
trans-1,3-Dichloropropene	ND	ug/kg	2.5					
cis-1,3-Dichloropropene	ND	ug/kg	2.5					
1,1-Dichloropropene	ND	ug/kg	12.					
Bromoform	ND	ug/kg	10.					
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.5					
Benzene	ND	ug/kg	2.5					
Toluene	ND	ug/kg	3.8					
Ethylbenzene	ND	ug/kg	2.5					
Chloromethane	ND	ug/kg	12.					
Bromomethane	ND	ug/kg	5.0					
Vinyl chloride	ND	ug/kg	5.0					
Chloroethane	ND	ug/kg	5.0					
1,1-Dichloroethene	ND	ug/kg	2.5					
trans-1,2-Dichloroethene	ND	ug/kg	3.8					
Trichloroethene	ND	ug/kg	2.5					
1,2-Dichlorobenzene	ND	ug/kg	12.					
1,3-Dichlorobenzene	ND	ug/kg	12.					
1,4-Dichlorobenzene	ND	ug/kg	12.					
Methyl tert butyl ether	ND	ug/kg	5.0					
p/m-Xylene	ND	ug/kg	5.0					
o-Xylene	ND	ug/kg	5.0					
cis-1,2-Dichloroethene	ND	ug/kg	2.5					
Dibromomethane	ND	ug/kg	25.					
Styrene	ND	ug/kg	5.0					
Dichlorodifluoromethane	ND	ug/kg	25.					
Acetone	ND	ug/kg	25.					
Carbon disulfide	ND	ug/kg	25.					
2-Butanone	ND	ug/kg	25.					

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PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 02-06,08-09 (WG313815-4)							
Volatile Organics by EPA 8260B cont'd				1 8260B		0305 12:20	GK
Vinyl acetate	ND	ug/kg	25.				
4-Methyl-2-pentanone	ND	ug/kg	25.				
1,2,3-Trichloropropane	ND	ug/kg	25.				
2-Hexanone	ND	ug/kg	25.				
Bromochloromethane	ND	ug/kg	12.				
2,2-Dichloropropane	ND	ug/kg	12.				
1,2-Dibromoethane	ND	ug/kg	10.				
1,3-Dichloropropane	ND	ug/kg	12.				
1,1,1,2-Tetrachloroethane	ND	ug/kg	2.5				
Bromobenzene	ND	ug/kg	12.				
n-Butylbenzene	ND	ug/kg	2.5				
sec-Butylbenzene	ND	ug/kg	2.5				
tert-Butylbenzene	ND	ug/kg	12.				
o-Chlorotoluene	ND	ug/kg	12.				
p-Chlorotoluene	ND	ug/kg	12.				
1,2-Dibromo-3-chloropropane	ND	ug/kg	12.				
Hexachlorobutadiene	ND	ug/kg	12.				
Isopropylbenzene	ND	ug/kg	2.5				
p-Isopropyltoluene	ND	ug/kg	2.5				
Naphthalene	ND	ug/kg	12.				
n-Propylbenzene	ND	ug/kg	2.5				
1,2,3-Trichlorobenzene	ND	ug/kg	12.				
1,2,4-Trichlorobenzene	ND	ug/kg	12.				
1,3,5-Trimethylbenzene	ND	ug/kg	12.				
1,2,4-Trimethylbenzene	ND	ug/kg	12.				
1,4-Diethylbenzene	ND	ug/kg	2.5				
4-Ethyltoluene	ND	ug/kg	2.5				
1,2,4,5-Tetramethylbenzene	ND	ug/kg	2.5				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	108	%	70-130				
Toluene-d8	101	%	70-130				
4-Bromofluorobenzene	105	%	70-130				
Dibromofluoromethane	88.0	%	70-130				
Blank Analysis for sample(s) 05,07 (WG313815-6)							
Volatile Organics by EPA 8260B				1 8260B		0306 13:58	GK
Methylene chloride	ND	ug/kg	25.				
1,1-Dichloroethane	ND	ug/kg	3.8				
Chloroform	ND	ug/kg	3.8				
Carbon tetrachloride	ND	ug/kg	2.5				
1,2-Dichloropropane	ND	ug/kg	8.8				
Dibromochloromethane	ND	ug/kg	2.5				
1,1,2-Trichloroethane	ND	ug/kg	3.8				
Tetrachloroethene	ND	ug/kg	2.5				
Chlorobenzene	ND	ug/kg	2.5				

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Blank Analysis for sample(s) 05,07 (WG313815-6)							
Volatile Organics by EPA 8260B cont'd				1 8260B		0306 13:58	GK
Trichlorofluoromethane	ND	ug/kg	12.				
1,2-Dichloroethane	ND	ug/kg	2.5				
1,1,1-Trichloroethane	ND	ug/kg	2.5				
Bromodichloromethane	ND	ug/kg	2.5				
trans-1,3-Dichloropropene	ND	ug/kg	2.5				
cis-1,3-Dichloropropene	ND	ug/kg	2.5				
1,1-Dichloropropene	ND	ug/kg	12.				
Bromoform	ND	ug/kg	10.				
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.5				
Benzene	ND	ug/kg	2.5				
Toluene	ND	ug/kg	3.8				
Ethylbenzene	ND	ug/kg	2.5				
Chloromethane	ND	ug/kg	12.				
Bromomethane	ND	ug/kg	5.0				
Vinyl chloride	ND	ug/kg	5.0				
Chloroethane	ND	ug/kg	5.0				
1,1-Dichloroethene	ND	ug/kg	2.5				
trans-1,2-Dichloroethene	ND	ug/kg	3.8				
Trichloroethene	ND	ug/kg	2.5				
1,2-Dichlorobenzene	ND	ug/kg	12.				
1,3-Dichlorobenzene	ND	ug/kg	12.				
1,4-Dichlorobenzene	ND	ug/kg	12.				
Methyl tert butyl ether	ND	ug/kg	5.0				
p/m-Xylene	ND	ug/kg	5.0				
o-Xylene	ND	ug/kg	5.0				
cis-1,2-Dichloroethene	ND	ug/kg	2.5				
Dibromomethane	ND	ug/kg	25.				
Styrene	ND	ug/kg	5.0				
Dichlorodifluoromethane	ND	ug/kg	25.				
Acetone	ND	ug/kg	25.				
Carbon disulfide	ND	ug/kg	25.				
2-Butanone	ND	ug/kg	25.				
Vinyl acetate	ND	ug/kg	25.				
4-Methyl-2-pentanone	ND	ug/kg	25.				
1,2,3-Trichloropropane	ND	ug/kg	25.				
2-Hexanone	ND	ug/kg	25.				
Bromochloromethane	ND	ug/kg	12.				
2,2-Dichloropropane	ND	ug/kg	12.				
1,2-Dibromoethane	ND	ug/kg	10.				
1,3-Dichloropropane	ND	ug/kg	12.				
1,1,1,2-Tetrachloroethane	ND	ug/kg	2.5				
Bromobenzene	ND	ug/kg	12.				
n-Butylbenzene	ND	ug/kg	2.5				
sec-Butylbenzene	ND	ug/kg	2.5				
tert-Butylbenzene	ND	ug/kg	12.				
o-Chlorotoluene	ND	ug/kg	12.				

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Blank Analysis for sample(s) 05,07 (WG313815-6)							
Volatile Organics by EPA 8260B cont'd				1 8260B		0306 13:58	GK
p-Chlorotoluene	ND	ug/kg	12.				
1,2-Dibromo-3-chloropropane	ND	ug/kg	12.				
Hexachlorobutadiene	ND	ug/kg	12.				
Isopropylbenzene	ND	ug/kg	2.5				
p-Isopropyltoluene	ND	ug/kg	2.5				
Naphthalene	ND	ug/kg	12.				
n-Propylbenzene	ND	ug/kg	2.5				
1,2,3-Trichlorobenzene	ND	ug/kg	12.				
1,2,4-Trichlorobenzene	ND	ug/kg	12.				
1,3,5-Trimethylbenzene	ND	ug/kg	12.				
1,2,4-Trimethylbenzene	ND	ug/kg	12.				
1,4-Diethylbenzene	ND	ug/kg	2.5				
4-Ethyltoluene	ND	ug/kg	2.5				
1,2,4,5-Tetramethylbenzene	ND	ug/kg	2.5				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	124	%	70-130				
Toluene-d8	97.0	%	70-130				
4-Bromofluorobenzene	99.0	%	70-130				
Dibromofluoromethane	111	%	70-130				
Blank Analysis for sample(s) 01,11 (WG314073-3)							
Volatile Organics by EPA 8260B				1 8260B		0310 13:41	BS
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				

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Blank Analysis for sample(s) 01,11 (WG314073-3)								
Volatile Organics by EPA 8260B cont'd				1	8260B		0310 13:41	BS
Vinyl chloride	ND	ug/l	1.0					
Chloroethane	ND	ug/l	1.0					
1,1-Dichloroethene	ND	ug/l	0.50					
trans-1,2-Dichloroethene	ND	ug/l	0.75					
Trichloroethene	ND	ug/l	0.50					
1,2-Dichlorobenzene	ND	ug/l	2.5					
1,3-Dichlorobenzene	ND	ug/l	2.5					
1,4-Dichlorobenzene	ND	ug/l	2.5					
Methyl tert butyl ether	ND	ug/l	1.0					
p/m-Xylene	ND	ug/l	1.0					
o-Xylene	ND	ug/l	1.0					
cis-1,2-Dichloroethene	ND	ug/l	0.50					
Dibromomethane	ND	ug/l	5.0					
1,2,3-Trichloropropane	ND	ug/l	5.0					
Styrene	ND	ug/l	1.0					
Dichlorodifluoromethane	ND	ug/l	5.0					
Acetone	ND	ug/l	5.0					
Carbon disulfide	ND	ug/l	5.0					
2-Butanone	ND	ug/l	5.0					
Vinyl acetate	ND	ug/l	5.0					
4-Methyl-2-pentanone	ND	ug/l	5.0					
2-Hexanone	ND	ug/l	5.0					
Bromochloromethane	ND	ug/l	2.5					
2,2-Dichloropropane	ND	ug/l	2.5					
1,2-Dibromoethane	ND	ug/l	2.0					
1,3-Dichloropropane	ND	ug/l	2.5					
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50					
Bromobenzene	ND	ug/l	2.5					
n-Butylbenzene	ND	ug/l	0.50					
sec-Butylbenzene	ND	ug/l	0.50					
tert-Butylbenzene	ND	ug/l	2.5					
o-Chlorotoluene	ND	ug/l	2.5					
p-Chlorotoluene	ND	ug/l	2.5					
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5					
Hexachlorobutadiene	ND	ug/l	0.60					
Isopropylbenzene	ND	ug/l	0.50					
p-Isopropyltoluene	ND	ug/l	0.50					
Naphthalene	ND	ug/l	2.5					
n-Propylbenzene	ND	ug/l	0.50					
1,2,3-Trichlorobenzene	ND	ug/l	2.5					
1,2,4-Trichlorobenzene	ND	ug/l	2.5					
1,3,5-Trimethylbenzene	ND	ug/l	2.5					
1,2,4-Trimethylbenzene	ND	ug/l	2.5					

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PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01,11 (WG314073-3)								
Volatile Organics by EPA 8260B cont'd				1	8260B		0310 13:41	BS
Surrogate(s)	Recovery		QC Criteria					
1,2-Dichloroethane-d4	94.0	%	70-130					
Toluene-d8	101	%	70-130					
4-Bromofluorobenzene	102	%	70-130					
Dibromofluoromethane	99.0	%	70-130					
Blank Analysis for sample(s) 02-09 (WG313384-1)								
Semivolatile Organics by EPA 8270C				1	8270C	0303 21:30	0305 16:01	AK
Acenaphthene	ND	ug/kg	330					
1,2,4-Trichlorobenzene	ND	ug/kg	330					
Hexachlorobenzene	ND	ug/kg	330					
Bis(2-chloroethyl)ether	ND	ug/kg	330					
2-Chloronaphthalene	ND	ug/kg	400					
1,2-Dichlorobenzene	ND	ug/kg	330					
1,3-Dichlorobenzene	ND	ug/kg	330					
1,4-Dichlorobenzene	ND	ug/kg	330					
3,3'-Dichlorobenzidine	ND	ug/kg	670					
2,4-Dinitrotoluene	ND	ug/kg	330					
2,6-Dinitrotoluene	ND	ug/kg	330					
Fluoranthene	ND	ug/kg	330					
4-Chlorophenyl phenyl ether	ND	ug/kg	330					
4-Bromophenyl phenyl ether	ND	ug/kg	330					
Bis(2-chloroisopropyl)ether	ND	ug/kg	330					
Bis(2-chloroethoxy)methane	ND	ug/kg	330					
Hexachlorobutadiene	ND	ug/kg	670					
Hexachlorocyclopentadiene	ND	ug/kg	670					
Hexachloroethane	ND	ug/kg	330					
Isophorone	ND	ug/kg	330					
Naphthalene	ND	ug/kg	330					
Nitrobenzene	ND	ug/kg	330					
NitrosoDiPhenylAmine(NDPA)/DPA	ND	ug/kg	1000					
n-Nitrosodi-n-propylamine	ND	ug/kg	330					
Bis(2-Ethylhexyl)phthalate	ND	ug/kg	670					
Butyl benzyl phthalate	ND	ug/kg	330					
Di-n-butylphthalate	ND	ug/kg	330					
Di-n-octylphthalate	ND	ug/kg	330					
Diethyl phthalate	ND	ug/kg	330					
Dimethyl phthalate	ND	ug/kg	330					
Benzo(a)anthracene	ND	ug/kg	330					
Benzo(a)pyrene	ND	ug/kg	330					
Benzo(b)fluoranthene	ND	ug/kg	330					
Benzo(k)fluoranthene	ND	ug/kg	330					
Chrysene	ND	ug/kg	330					
Acenaphthylene	ND	ug/kg	330					
Anthracene	ND	ug/kg	330					
Benzo(ghi)perylene	ND	ug/kg	330					

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Blank Analysis for sample(s) 02-09 (WG313384-1)								
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0303 21:30	0305 16:01	AK
Fluorene	ND	ug/kg	330					
Phenanthrene	ND	ug/kg	330					
Dibenzo(a,h)anthracene	ND	ug/kg	330					
Indeno(1,2,3-cd)Pyrene	ND	ug/kg	330					
Pyrene	ND	ug/kg	330					
Biphenyl	ND	ug/kg	330					
4-Chloroaniline	ND	ug/kg	330					
2-Nitroaniline	ND	ug/kg	330					
3-Nitroaniline	ND	ug/kg	330					
4-Nitroaniline	ND	ug/kg	470					
Dibenzofuran	ND	ug/kg	330					
2-Methylnaphthalene	ND	ug/kg	330					
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	1300					
Acetophenone	ND	ug/kg	1300					
2,4,6-Trichlorophenol	ND	ug/kg	330					
P-Chloro-M-Cresol	ND	ug/kg	330					
2-Chlorophenol	ND	ug/kg	400					
2,4-Dichlorophenol	ND	ug/kg	670					
2,4-Dimethylphenol	ND	ug/kg	330					
2-Nitrophenol	ND	ug/kg	1300					
4-Nitrophenol	ND	ug/kg	670					
2,4-Dinitrophenol	ND	ug/kg	1300					
4,6-Dinitro-o-cresol	ND	ug/kg	1300					
Pentachlorophenol	ND	ug/kg	1300					
Phenol	ND	ug/kg	470					
2-Methylphenol	ND	ug/kg	400					
3-Methylphenol/4-Methylphenol	ND	ug/kg	400					
2,4,5-Trichlorophenol	ND	ug/kg	330					
Benzoic Acid	ND	ug/kg	3300					
Benzyl Alcohol	ND	ug/kg	670					
Carbazole	ND	ug/kg	330					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	78.0	%	25-120					
Phenol-d6	103	%	10-120					
Nitrobenzene-d5	90.0	%	23-120					
2-Fluorobiphenyl	89.0	%	30-120					
2,4,6-Tribromophenol	73.0	%	19-120					
4-Terphenyl-d14	109	%	18-120					
Blank Analysis for sample(s) 01 (WG313450-1)								
Semivolatile Organics by EPA 8270C				1	8270C	0304 14:30	0305 14:33	AK
Acenaphthene	ND	ug/l	5.0					
1,2,4-Trichlorobenzene	ND	ug/l	5.0					
Hexachlorobenzene	ND	ug/l	5.0					
Bis(2-chloroethyl)ether	ND	ug/l	5.0					

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0802902

Continued

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01 (WG313450-1)								
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0304 14:30	0305 14:33	AK
2-Chloronaphthalene	ND	ug/l	6.0					
1,2-Dichlorobenzene	ND	ug/l	5.0					
1,3-Dichlorobenzene	ND	ug/l	5.0					
1,4-Dichlorobenzene	ND	ug/l	5.0					
3,3'-Dichlorobenzidine	ND	ug/l	50.					
2,4-Dinitrotoluene	ND	ug/l	6.0					
2,6-Dinitrotoluene	ND	ug/l	5.0					
Fluoranthene	ND	ug/l	5.0					
4-Chlorophenyl phenyl ether	ND	ug/l	5.0					
4-Bromophenyl phenyl ether	ND	ug/l	5.0					
Bis(2-chloroisopropyl)ether	ND	ug/l	5.0					
Bis(2-chloroethoxy)methane	ND	ug/l	5.0					
Hexachlorobutadiene	ND	ug/l	10.					
Hexachlorocyclopentadiene	ND	ug/l	30.					
Hexachloroethane	ND	ug/l	5.0					
Isophorone	ND	ug/l	5.0					
Naphthalene	ND	ug/l	5.0					
Nitrobenzene	ND	ug/l	5.0					
NitrosoDiPhenylAmine(NDPA)/DPA	ND	ug/l	15.					
n-Nitrosodi-n-propylamine	ND	ug/l	5.0					
Bis(2-Ethylhexyl)phthalate	ND	ug/l	5.0					
Butyl benzyl phthalate	ND	ug/l	5.0					
Di-n-butylphthalate	ND	ug/l	5.0					
Di-n-octylphthalate	ND	ug/l	5.0					
Diethyl phthalate	ND	ug/l	5.0					
Dimethyl phthalate	ND	ug/l	5.0					
Benzo(a)anthracene	ND	ug/l	5.0					
Benzo(a)pyrene	ND	ug/l	5.0					
Benzo(b)fluoranthene	ND	ug/l	5.0					
Benzo(k)fluoranthene	ND	ug/l	5.0					
Chrysene	ND	ug/l	5.0					
Acenaphthylene	ND	ug/l	5.0					
Anthracene	ND	ug/l	5.0					
Benzo(ghi)perylene	ND	ug/l	5.0					
Fluorene	ND	ug/l	5.0					
Phenanthrene	ND	ug/l	5.0					
Dibenzo(a,h)anthracene	ND	ug/l	5.0					
Indeno(1,2,3-cd)Pyrene	ND	ug/l	7.0					
Pyrene	ND	ug/l	5.0					
Biphenyl	ND	ug/l	5.0					
4-Chloroaniline	ND	ug/l	5.0					
2-Nitroaniline	ND	ug/l	5.0					
3-Nitroaniline	ND	ug/l	5.0					
4-Nitroaniline	ND	ug/l	7.0					
Dibenzofuran	ND	ug/l	5.0					
2-Methylnaphthalene	ND	ug/l	5.0					

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0802902

Continued

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01 (WG313450-1)								
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0304 14:30	0305 14:33	AK
1,2,4,5-Tetrachlorobenzene	ND	ug/l	20.					
Acetophenone	ND	ug/l	20.					
2,4,6-Trichlorophenol	ND	ug/l	5.0					
P-Chloro-M-Cresol	ND	ug/l	5.0					
2-Chlorophenol	ND	ug/l	6.0					
2,4-Dichlorophenol	ND	ug/l	10.					
2,4-Dimethylphenol	ND	ug/l	10.					
2-Nitrophenol	ND	ug/l	20.					
4-Nitrophenol	ND	ug/l	10.					
2,4-Dinitrophenol	ND	ug/l	30.					
4,6-Dinitro-o-cresol	ND	ug/l	20.					
Pentachlorophenol	ND	ug/l	10.					
Phenol	ND	ug/l	7.0					
2-Methylphenol	ND	ug/l	6.0					
3-Methylphenol/4-Methylphenol	ND	ug/l	6.0					
2,4,5-Trichlorophenol	ND	ug/l	5.0					
Benzoic Acid	ND	ug/l	50.					
Benzyl Alcohol	ND	ug/l	10.					
Carbazole	ND	ug/l	5.0					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	34.0	%	21-120					
Phenol-d6	28.0	%	10-120					
Nitrobenzene-d5	68.0	%	23-120					
2-Fluorobiphenyl	63.0	%	43-120					
2,4,6-Tribromophenol	76.0	%	10-120					
4-Terphenyl-d14	83.0	%	33-120					
Blank Analysis for sample(s) 02-09 (WG313379-1)								
Polychlorinated Biphenyls by EPA 8082				1	8082	0303 19:00	0306 02:07	SS
Aroclor 1016	ND	ug/kg	33.3					
Aroclor 1221	ND	ug/kg	33.3					
Aroclor 1232	ND	ug/kg	33.3					
Aroclor 1242	ND	ug/kg	33.3					
Aroclor 1248	ND	ug/kg	33.3					
Aroclor 1254	ND	ug/kg	33.3					
Aroclor 1260	ND	ug/kg	33.3					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	60.0	%	30-150					
Decachlorobiphenyl	71.0	%	30-150					
Blank Analysis for sample(s) 01 (WG313452-1)								
Polychlorinated Biphenyls by EPA 8082				1	8082	0304 14:30	0306 22:47	SS
Aroclor 1016	ND	ug/l	0.100					
Aroclor 1221	ND	ug/l	0.100					

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0802902

Continued

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01 (WG313452-1)								
Polychlorinated Biphenyls by EPA 8082 cont'd				1	8082	0304 14:30	0306 22:47	SS
Aroclor 1232	ND	ug/l	0.100					
Aroclor 1242	ND	ug/l	0.100					
Aroclor 1248	ND	ug/l	0.100					
Aroclor 1254	ND	ug/l	0.100					
Aroclor 1260	ND	ug/l	0.100					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	54.0	%	30-150					
Decachlorobiphenyl	80.0	%	30-150					
Blank Analysis for sample(s) 02-09 (WG313378-1)								
Organochlorine Pesticides by EPA 8081A				1	8081A	0303 18:00	0305 19:50	JB
Delta-BHC	ND	ug/kg	3.33					
Lindane	ND	ug/kg	3.33					
Alpha-BHC	ND	ug/kg	3.33					
Beta-BHC	ND	ug/kg	3.33					
Heptachlor	ND	ug/kg	3.33					
Aldrin	ND	ug/kg	3.33					
Heptachlor epoxide	ND	ug/kg	3.33					
Endrin	ND	ug/kg	3.33					
Endrin ketone	ND	ug/kg	3.33					
Dieldrin	ND	ug/kg	3.33					
4,4'-DDE	ND	ug/kg	3.33					
4,4'-DDD	ND	ug/kg	3.33					
4,4'-DDT	ND	ug/kg	3.33					
Endosulfan I	ND	ug/kg	3.33					
Endosulfan II	ND	ug/kg	3.33					
Endosulfan sulfate	ND	ug/kg	3.33					
Methoxychlor	ND	ug/kg	13.3					
trans-Chlordane	ND	ug/kg	3.33					
Chlordane	ND	ug/kg	33.3					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	63.0	%	30-150					
Decachlorobiphenyl	58.0	%	30-150					
Blank Analysis for sample(s) 01 (WG313451-1)								
Organochlorine Pesticides by EPA 8081A				1	8081A	0304 14:30	0306 14:26	JB
Delta-BHC	ND	ug/l	0.020					
Lindane	ND	ug/l	0.020					
Alpha-BHC	ND	ug/l	0.020					
Beta-BHC	ND	ug/l	0.020					
Heptachlor	ND	ug/l	0.020					
Aldrin	ND	ug/l	0.020					
Heptachlor epoxide	ND	ug/l	0.020					
Endrin	ND	ug/l	0.040					

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0802902

Continued

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01 (WG313451-1)								
Organochlorine Pesticides by EPA 8081A cont'd				1	8081A	0304 14:30	0306 14:26	JB
Endrin ketone	ND	ug/l	0.040					
Dieldrin	ND	ug/l	0.040					
4,4'-DDE	ND	ug/l	0.040					
4,4'-DDD	ND	ug/l	0.040					
4,4'-DDT	ND	ug/l	0.040					
Endosulfan I	ND	ug/l	0.020					
Endosulfan II	ND	ug/l	0.040					
Endosulfan sulfate	ND	ug/l	0.040					
Methoxychlor	ND	ug/l	0.200					
trans-Chlordane	ND	ug/l	0.020					
Chlordane	ND	ug/l	0.200					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	48.0	%	30-150					
Decachlorobiphenyl	39.0	%	30-150					

REFERENCES

1. Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30. Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

GLOSSARY OF TERMS AND SYMBOLS

REF	Reference number in which test method may be found.
METHOD	Method number by which analysis was performed.
ID	Initials of the analyst.
ND	Not detected in comparison to the reported detection limit.
NI	Not Ignitable.
ug/cart	Micrograms per Cartridge.
H	The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

LIMITATION OF LIABILITIES

Alpha Analytical, Inc. performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical, Inc., shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical, Inc. be held liable for any incidental consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical, Inc.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding times and splitting of samples in the field.

CHAIN OF CUSTODY PAGE 1 OF

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 2/29/08

ALPHA Job #: L0802902

Client Information

Client: AKRF
Address: 440 Park Ave South, 7th fl.
New York, NY 10016
Phone: 917-617-0921
Fax:
Email: akleyn@akrf.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 487 W. 129th Street
Project Location: New York, NY
Project #: 10825
Project Manager: Asya Kleyn
ALPHA Quote #:

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 2/7/08 Time:

Report Information - Data Deliverables

☐ FAX ☐ EMAIL
☑ ADEx ☐ Add'l Deliverables

Billing Information

☑ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program: Criteria: NY State ASP A

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTOCOLS

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

ANALYSIS: VOCs 8260 | SVOCs 8270 | PCBs | Pesticides 8082 | TAL Metals 8081 | TAL Metals (filter) | TAL Metals (unfilt.)

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☑ Lab to do
Preservation
☐ Lab to do
(Please specify below)

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs 8260	SVOCs 8270	PCBs	Pesticides 8082	TAL Metals 8081	TAL Metals (filter)	TAL Metals (unfilt.)	Sample Specific Comments
02902-1	FB-1	2/29/08	1120	W	AK	X	X	X	X		X	X	
2	SB-1 (0-2')		1000	S		X	X	X	X	X			
3	SB-2 (0-2')		920			X	X	X	X	X			
4	SB-2 (12-14')		945			X	X	X	X	X			
5	SB-3 (0-2')		1015			X	X	X	X	X			
6	SB-4 (0-3')		1030			X	X	X	X	X			
7	SB-4 (5-7')		1045			X	X	X	X	X			
8	SB-5 (0-3')		1100			X	X	X	X	X			
9	SB-5 (5-7')		1115			X	X	X	X	X			
10	FD-1		1110			X	X	X	X	X			
	TB-1	2/25/08	2100	W	KO2	X							

Container Type
Preservative

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
Asya Kleyn	2/29 2:00PM	[illegible]	2/29 14:00
Dan Banks	2/29/8 16:15	Dan Banks	2/29/8 1645
			2/29/08 1850

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms. See reverse side.

FORM NO: 01-01 (rev. 30-JUL-07)

The City of New York

DEPARTMENT OF ENVIRONMENTAL PROTECTION
59-17 Junction Boulevard
Flushing, New York 11373

Emily Lloyd
Commissioner

Tel. (718) 595-6565
Fax (718) 595-3525
elloyd@dep.nyc.gov

Angela Licata
Deputy Commissioner

Bureau of Environmental Planning & Analysis

Tel. (718) 595-4398
Fax: (718) 595-4479
alicata@dep.nyc.gov

April 16, 2008

Robert Dobruskin
Director, Environmental Assessment and Review
New York City Department of City Planning
22 Reade Street, Room 4E
New York, NY 10007

Re: West 129th Street Rezoning
Block 1969, Lots 1 - 6, 12, 19, 65, 66, 68, 78 - 81 & 104
07DCP076M/ 08DEPTECH069M

Dear Mr. Dobruskin:

The New York City Department of Environmental Protection Bureau of Environmental Planning and Analysis (DEP) has reviewed the March 2008 Phase II Subsurface Investigation prepared by AKRF for the above referenced project site. It is our understanding that the applicant is seeking to rezone Block 1969 from the existing manufacturing M1-1 and R7-2 zones to a R7A zone. The C1-4 overlay along Amsterdam Avenue would remain. The rezoning would permit development at a floor area ratio of 4.0 and would facilitate construction of a 9-story residential building with approximately 130 units and 63 accessory parking spaces on Lots 6. The project site is located in Manhattan Community District 10.

The Phase II concluded that soil disposal requirements for the proposed development project/excavation activities may require hazardous waste disposal/recycling options if future disposal analysis reveals significant contaminant concentrations.

Based upon our review of the submitted documents, DEP has the following comments:

- As a result of Phase II findings, a Remedial Action Plan (RAP) and site-specific Construction Health and Safety Plan (CHASP) for Lot 6 should be submitted for DEP review and approval.

- An adequate sub-slab vapor barrier must be installed during the proposed construction project to reduce/eliminate potential on-site/off-site groundwater contamination from impacting the proposed site/structure.

- Due to the elevated concentration levels of volatile organic compounds detected on-site which are associated with an off-site spill and the engineering controls (vapor barrier) necessary to avoid significant hazardous materials impacts, the applicant should enter into a Restrictive Declaration

NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DEP
www.nyc.gov/dep
DIAL 311 Government Information and Services for NYC

must be designed to restrict the manner in which the property may be developed or redeveloped, by requiring that additional testing or remediation measures, if required, serve as a condition precedent to any change of use or sub-surface excavation conducted as part of any future development or redevelopment of the property. All other development sites should receive Hazardous Materials "E" designations.

- Please note that the February 2008 Site Investigation was completed without DEP's written Workplan/HASP approval.

- Please note, as previously indicated in our March 21, 2008 correspondence, that based on the results of the Phase I Investigation, all development sites which are not controlled by the applicant should receive an "E" designation for hazardous materials to ensure that the appropriate level of investigation and, if necessary, remediation be conducted to the satisfaction of DEP prior to development of those sites.

Please include DEP tracking number 08DEPTECH069M on all future correspondence and submittals related to this project. If you have any questions, please contact Gosia Pawluszko at (718) 595-6450.

Sincerely,

Terrell Estesen
Director, Office of City Project Review

cc: J. Wuthenow
D. Cole
G. Pawluszko
D. Doobay – DCP

NYC DEPARTMENT OF FINANCE
OFFICE OF THE CITY REGISTER

This page is part of the instrument. The City Register will rely on the information provided by you on this page for purposes of indexing this instrument. The information on this page will control for indexing purposes in the event of any conflict with the rest of the document.

2008042101443001002EADF3

RECORDING AND ENDORSEMENT COVER PAGE **PAGE 1 OF 20**

Document ID: 2008042101443001 Document Date: 04-21-2008 Preparation Date: 04-21-2008
Document Type: SUNDRY AGREEMENT
Document Page Count: 18

PRESENTER:	**RETURN TO:**
JEREMIAH H. CANDREVA KRAMER LEVIN NAFTALIS & FRANKEL LLP 1177 AVENUE OF THE AMERICAS NEW YORK, NY 10036 212-715-9100 jcandreva@kramerlevin.com	JEREMIAH H. CANDREVA KRAMER LEVIN NAFTALIS & FRANKEL LLP 1177 AVENUE OF THE AMERICAS NEW YORK, NY 10036 212-715-9100 jcandreva@kramerlevin.com

PROPERTY DATA

Borough	Block	Lot	Unit	Address
MANHATTAN	1969	6	Entire Lot	487 WEST 129 STREET

Property Type: NON-RESIDENTIAL VACANT LAND

CROSS REFERENCE DATA

CRFN_____ *or* Document ID_____ *or* _____ Year____ Reel ___ Page____ *or* File Number_____

PARTIES

PARTY 1:
WEST 129TH STREET REALTY I, LLC
161 SUFFOLK STREET
NEW YORK, NY 10002

x Additional Parties Listed on Continuation Page

FEES AND TAXES

Mortgage		
Mortgage Amount:	$	0.00
Taxable Mortgage Amount:	$	0.00
Exemption:		
TAXES: County (Basic):	$	0.00
City (Additional):	$	0.00
Spec (Additional):	$	0.00
TASF:	$	0.00
MTA:	$	0.00
NYCTA:	$	0.00
Additional MRT:	$	0.00
TOTAL:	$	0.00
Recording Fee:	$	127.00
Affidavit Fee:	$	0.00

Filing Fee: $ 0.00
NYC Real Property Transfer Tax: $ 0.00
NYS Real Estate Transfer Tax: $ 0.00

RECORDED OR FILED IN THE OFFICE OF THE CITY REGISTER OF THE CITY OF NEW YORK
Recorded/Filed 04-23-2008 11:48
City Register File No.(CRFN): **2008000162921**

City Register Official Signature

NYC DEPARTMENT OF FINANCE
OFFICE OF THE CITY REGISTER

2008042101443001002CAF73

RECORDING AND ENDORSEMENT COVER PAGE (CONTINUATION) **PAGE 2 OF 20**

Document ID: 2008042101443001 Document Date: 04-21-2008 Preparation Date: 04-21-2008
Document Type: SUNDRY AGREEMENT

PARTIES
PARTY 1:
WEST 129TH STREET REALTY II, LLC
161 SUFFOLK STREET
NEW YORK, NY 10002

DECLARATION

This DECLARATION made as of the 21st day of April, 2008, by West 129th Street Realty I, LLC having an office located at 161 Suffolk Street, New York, NY 10002 and West 129th Street Realty II, LLC having an office located at 161 Suffolk Street, New York, NY 10002 (hereinafter referred to collectively as the "Declarants");

WITNESSETH

WHEREAS, the Declarants are the fee owner of certain real property located in the County of New York, City and State of New York, designated for real property tax purposes as Lot 6 of Tax Block 1969 commonly known by the street address as 487 West 129th Street (the "Subject Property") and is more particularly described in Exhibit A, annexed hereto and made part hereof; and

WHEREAS, Lawyers Title Insurance Corporation has issued a Certification of Parties in Interest, annexed hereto as Exhibit B and made a part hereof, that as of the 17th, day of March, 2008, the Declarants, herein after also referred to as the ("Party(ies)-in-Interest"), are the only Party(ies)-in-Interest (as defined in subdivision (d) of the definition of "zoning lot" set forth in Section 12-10 of the Zoning Resolution of the City of New York) in the Subject Property; and

WHEREAS, all Parties-in-Interest to the Subject Property have executed this Declaration; and

WHEREAS, Declarants have proposed to rezone the Subject Property from M1-1 to R7A and has submitted an application numbered 080039ZMM (the "Application") for review by the New York City Department of City Planning (the "DCP") under the Uniform Land Use Review Procedure (the "ULURP") as set forth in the New York City Charter, sections 197-c, 197-d, 200 and 201 and the procedures set forth in the paragraph immediately following; and

WHEREAS, an environmental assessment of the Subject Property pursuant to the State Environmental Quality Review Act (the "SEQRA") and the City Environmental Quality Review (the "CEQR") is under review in connection with the Application (CEQR # 07DCP076M) and, pursuant to the SEQRA and CEQR, the Department of Environmental Protection (the "DEP") has reviewed the environmental assessment, including the historic land use of the Subject Property; and

WHEREAS, the results of such review as documented in DEP's April 16, 2008 attached hereto as Exhibit C and made a part hereof, indicate the potential presence of hazardous materials; and

WHEREAS, the Declarants desire to identify the existence of any potential hazardous materials and remediate any such hazardous materials found in connection with the development or redevelopment of the Subject Property and has agreed to submit a hazardous materials sampling protocol prepared by a qualified consultant and including a health and safety plan, (as approved

by DEP the "Sampling Protocol"), which shall be submitted for the approval of DEP and to test and identify any potential hazardous materials pursuant to the approved Sampling Protocol and, if such hazardous materials are found, to submit a hazardous materials remediation plan, including a health and safety plan, (as approved by DEP the "Remediation Plan") and upon the approval of the Remediation Plan by DEP, the Declarants shall provide for the remediation of such hazardous materials; and

WHEREAS, the Declarants agree to implement the Sampling Protocol and all hazardous material remediation required by the Remediation Plan, if any, and desires to restrict the manner in which the Subject Property may be developed or redeveloped by having the implementation of the Sampling Protocol and Remediation Plan, if any, performed to the satisfaction of DEP, as evidenced by a writing as set forth herein, be a condition precedent to any change of use or soil disturbance for any such development or redevelopment; and

WHEREAS, the Declarants intend this Declaration to be binding upon all successors and assigns; and

WHEREAS, the Declarants intend this Declaration to benefit all land owners and tenants including the City of New York ("the City") without consenting to the enforcement of this Declaration by any party or entity other than the City.

NOW, THEREFORE, the Declarants hereby declare and agree that the Subject Property shall be held, sold, transferred, and conveyed, subject to the restrictions and obligations which are for the purpose of protecting the value and desirability of the Subject Property and which shall run with the land, binding the successors and assigns of the Declarants so long as they have any right, title or interest in the Subject Property or any part thereof:

1. (a) Declarants covenant and agree that no application for grading, excavation, foundation, alteration, building or other permit respecting the Subject Property which permits soil disturbance shall be submitted to or accepted from the Department of Buildings (the "DOB") by the Declarants until DEP has issued to DOB, as applicable, either a Notice of No Objection as set forth in Paragraph 2(a), a Notice to Proceed as set forth in Paragraph 2(b), a Notice of Satisfaction as set forth in Paragraph 2(c) or a Final Notice of Satisfaction as set forth in Paragraph 2(d). Declarants shall submit a copy of the Notice of No Objection, Notice to Proceed, Notice of Satisfaction or Final Notice of Satisfaction to the DOB at the time of filing of any application set forth in this Paragraph 1(a).

(b) Declarants further covenant and agree that no application for a temporary or permanent Certificate of Occupancy that reflects a change in use group respecting the Subject Property shall be submitted to or accepted from DOB by the Declarants until DEP has issued to DOB, as applicable, either a Notice of No Objection as set forth in Paragraph 2(a), a Notice of Satisfaction as set forth in Paragraph 2(c) or a Final Notice of Satisfaction as set forth in Paragraph 2(d). Declarants shall submit a copy of the Notice of No Objection, Notice of

Satisfaction or Final Notice of Satisfaction to the DOB at the time of filing of any application set forth in this Paragraph 1(b).

2. (a) Notice of No Objection - DEP shall issue a Notice of No Objection after the Declarants have completed the work set forth in the DEP approved Sampling Protocol and DEP has determined in writing that the results of such sampling demonstrate that no hazardous materials remediation is required for the proposed project.

(b) Notice to Proceed - DEP shall issue a Notice to Proceed after it determines that: (i) the Remediation Plan has been approved by DEP and (ii) the permit(s) respecting the Subject Property that permit grading, excavation, foundation, alteration, building or other permit respecting the Subject Property which permits soil disturbance or construction of the superstructure are necessary to further the implementation of the DEP approved Remediation Plan.

(c) Notice of Satisfaction - DEP shall issue a Notice of Satisfaction after the Remediation Plan has been prepared and accepted by DEP and DEP has determined in writing that the Remediation Plan has been completed to the satisfaction of DEP.

(d) Final Notice of Satisfaction - DEP shall issue a Final Notice of Satisfaction after the Remediation Plan has been prepared and accepted by DEP and DEP has set forth in writing, that the Remediation Plan has been completed to the satisfaction of DEP and all potential hazardous materials have been removed or remediated and no further hazardous remediation is required on the Subject Property as determined by DEP.

3. Declarants represent and warrant with respect to the Subject Property, that no restrictions of record, nor any present or presently existing estate or interest in the Subject Property nor any lien, encumbrance, obligation, covenant of any kind preclude, presently or potentially, the imposition of the obligations and agreements of this Declaration.

4. Declarants acknowledge that the City is an interested party to this Declaration and consents to the enforcement of this Declaration solely by the City, administratively or at law or at equity, of the obligations, restrictions and agreements pursuant to this Declaration.

5. The provisions of this Declaration shall inure to the benefit of and be binding upon the respective successors and assigns of the Declarants, and references to the Declarants shall be deemed to include such successors and assigns as well as successors to their interest in the Subject Property. References in this Declaration to agencies or instrumentalities of the City shall be deemed to include agencies or instrumentalities succeeding to the jurisdiction thereof.

6. Declarants shall be liable in the performance of any term, provision, or covenant in this Declaration, subject to the following provisions:

The City and any other party relying on this Declaration will look solely to the fee estate interest of the Declarants in the Subject Property for the collection of any money judgment recovered against Declarants, and no other property of the Declarants shall be subject to levy, execution, or other enforcement procedure for the satisfaction of the remedies of the City or any other person or entity with respect to this Declaration. The Declarants, including its officers, managers and members, shall have no personal liability under this Declaration.

7. The obligations, restrictions and agreements herein shall be binding on the Declarants or other parties in interest only for the period during which the Declarants and any such Party-in-Interest holds an interest in the Subject Property; provided, however, that the obligations, restrictions and agreements contained in this Declaration may not be enforced against the holder of any mortgage unless and until such holder succeeds to the fee interest of the Declarants by way of foreclosure or deed in lieu of foreclosure.

8. Declarants shall indemnify the City, its respective officers, employees and agents from all claims, actions, or judgments for loss, damage or injury, including death or property damage of whatsoever kind or nature, arising from Declarants' obligations under this Declaration, including without limitation, the negligence or carelessness of the Declarants, its agents, servants or employees in undertaking such obligations; provided, however, that should such a claim be made or action brought, Declarants shall have the right to defend such claim or action with attorneys reasonably acceptable to the City and no such claim or action shall be settled without the written consent of the City.

9. If Declarants are found by a court of competent jurisdiction to have been in default in the performance of its obligations under this Declaration, and such finding is upheld on a final appeal by a court of competent jurisdiction or by other proceeding or the time for further review of such finding or appeal has lapsed, Declarants shall indemnify and hold harmless the City from and against all reasonable legal and administrative expenses arising out of or in connection with the enforcement of Declarants' obligations under this Declaration as well as any reasonable legal and administrative expenses arising out of or in connection with the enforcement of any judgment obtained against the Declarants, including but not limited to the cost of undertaking the Remediation Plan, if any.

10. Declarants shall cause every individual or entity that between the date hereof and the date of recordation of this Declaration, becomes a Party-in-Interest (as defined in subdivision (c) of the definition of "zoning lot" set forth in Section 12-10 of the Zoning Resolution of the City of New York) to all or a portion of the Subject Property to waive its right to execute this Declaration and subordinate its interest in the Subject Property to this Declaration. Any mortgage or other lien encumbering the Subject Property in effect after the recording date of this Declaration shall be subject and subordinate hereto as provided herein. Such waivers and subordination shall be attached to this Declaration as Exhibits and recorded in the Office of the County or City Register.

11. This Declaration and the provisions hereof shall become effective as of the date of this Declaration. Within five (5) business days of the date hereof, Declarants shall submit this Declaration for recording or shall cause this Declaration to be submitted for recording in the Office of the County or City Register, where it will be indexed against the Subject Property. Declarants shall promptly deliver to the DEP and the Department of City Planning proof of recording in the form of an affidavit of recording attaching the filing receipt and a copy of the Declaration as submitted for recording. Declarants shall also provide a certified copy of this Declaration as recorded to DEP and DCP as soon as a certified copy is available.

12. This Declaration may be amended or modified by Declarants only with the approval of DEP or the agency succeeding to its jurisdiction and no other approval or consent shall be required from any other public body, private person or legal entity of any kind. A statement signed by the Deputy Commissioner of the Bureau of Environmental Planning and Assessment of DEP, or such person as authorized by the Deputy Commissioner, certifying approval of an amendment or modification of this Declaration shall be annexed to any instrument embodying such amendment or modification.

13. Any submittals necessary under this Declaration from Declarants to DEP shall be addressed to the Deputy Commissioner of the Bureau of Environmental Planning and Assessment of DEP, or such person as authorized by the Deputy Commissioner. As of the date of this Declaration DEP's address is:

New York City Department of Environmental Protection
59-17 Junction Blvd
Flushing, New York 11373

14. Declarants expressly acknowledge that this Declaration is an essential element of the SEQRA review conducted in connection with the Application and as such the filing and recordation of this Declaration may be a precondition to the determination of significance pursuant to the SEQRA Regulations, Title 6 New York Code of Rules and Regulations ("NYCRR") Part 617.7.

15. Declarants acknowledge that the satisfaction of the obligations set forth in this Declaration does not relieve Declarants of any additional requirements imposed by Federal, State or Local laws.

16. This Declaration shall be governed by and construed in accordance with the laws of the State of New York.

17. Wherever in this Declaration, the certification, consent, approval, notice or other action of Declarants, DEP or the City is required or permitted, such certification, consent, approval, notice or other action shall not be unreasonably withheld or delayed.

18. In the event that any provision of this Declaration is deemed, decreed, adjudged or determined to be invalid or unlawful by a court of competent jurisdiction, such provision shall be severable and the remainder of this Declaration shall continue to be in full force and effect.

19. This Declaration and its obligations and agreements are in contemplation of Declarants receiving approvals or modified approvals of the Application. In the event that the Declarants withdraws the Application before a final determination or the Application is not approved, the obligations and agreements pursuant to this Declaration shall have no force and effect and this Declaration shall be cancelled.

20. Notice of Cancellation - Declarants may request that DEP issue a Notice of Cancellation upon the occurrence of the following steps: (i) Declarants has withdrawn the Application in writing before a final determination on the Application; (ii) the Application was not approved by the DCP; or (iii) DEP has issued a Final Notice of Satisfaction indicating that all potential hazardous materials have been removed or remediated and no further hazardous remediation is required on the Subject Property. Upon such request, DEP shall issue a Notice of Cancellation after it has determined to DEP's own satisfaction that the above referenced steps, as applicable, have occurred. Upon receipt of a Notice of Cancellation from DEP, Declarants shall cause such Notice to be recorded in the same manner as the Declaration herein, thus rendering this Restrictive Declaration null and void. Declarants shall promptly deliver to DEP and the DCP a certified copy of such Notice of Cancellation as recorded.

IN WITNESS WHEREOF, Declarants have executed this Declaration as of the day and year first above written.

West 129th Street Realty II LLC

By: _____
Jonathan Faust, Title Member

West 129th Street Realty II LLC

By: _____
Michael Faust, Title Member

CERTIFICATE OF ACKNOWLEDGMENT

STATE OF NEW YORK)
) .ss.: New York
COUNTY OF NEW YORK)

On the 21 day of April in the year 2008 before me, the undersigned, personally appeared Mr. Jonathan Faust, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name(s) ~~is~~ (are) subscribed to the within instrument and acknowledged to me that ~~he/she~~/they executed the same in ~~his/her~~/their capacity (ies), and that by ~~his/her~~/their signature on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

Hardat Ramdath
Notary Public

SEAL

HARDAT RAMDATH
Notary Public, State of New York
NO. 01RA6142605
Qualified in Kings County
Commission Expires March 20, 2010

CERTIFICATE OF ACKNOWLEDGMENT

STATE OF NEW YORK)
) ss.: New York
COUNTY OF NEW YORK)

On the 21 day of April in the year 2008 before me, the undersigned, personally appeared Mr. Michael Faust, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name(s) ~~is~~ (are) subscribed to the within instrument and acknowledged to me that ~~he/she~~/they executed the same in ~~his/her~~/their capacity (ies), and that by ~~his/her~~/their signature on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

Hardat Ramdath
Notary Public

HARDAT RAMDATH
Notary Public, State of New York
NO. 01RA6142605
Qualified in Kings County
Commission Expires March 20, 2010

SEAL

EXHIBIT A

LEGAL DESCRIPTION OF SUBJECT PROPERTY
Tax Block 1969, Lot 6

ALL that certain plot, piece or parcel of land, situate, lying and being in the Borough of Manhattan, City, County and State of New York, bounded and described as follows:

BEGINNING at a point on the southerly side of West 130th Street (as now open and in use, 60 feet wide) distant 154 feet 7 inches easterly from the corner formed by the intersection of the said southerly side of West 130th Street and the easterly side of Amsterdam Avenue (as now open and in use, 100 feet wide);

RUNNING THENCE easterly along the southerly side of West 130th Street, 95 feet 5 inches;

THENCE southerly along a line at right angles with the southerly side of West 130th Street, a distance of 198 feet 8-3/4 inches to an angle point (survey) 198 feet 7 inches (deed)

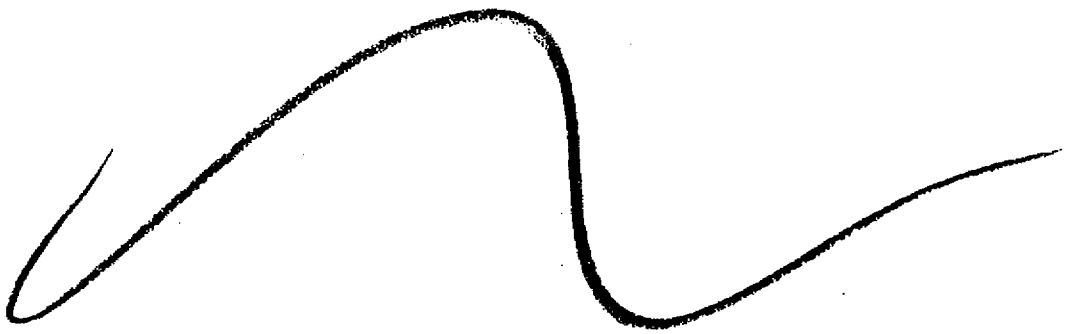
(Tax Map shows 198 feet 8 inches to the northerly side of West 129th Street)

THENCE southeasterly along a line forming an interior angle of 242 degrees 03 minutes 10 seconds with the last mentioned line 2 feet 4-1/4 inches to a point on the northerly side of West 129th Street;

THENCE westerly along the northerly side of West 129th Street a distance of 97 feet 6 inches;

THENCE northerly along a line at right angles with the northerly side of West 129th Street, 199 feet 10 inches to the point or place of BEGINNING.

EXHIBIT B



Title No. LT080176

EXHIBIT "II"

CERTIFICATION PURSUANT TO ZONING LOT SUBDIVISION D OF SECTION 12 - 10 OF THE ZONING RESOLUTION OF DECEMBER 15, 1961 OF THE CITY OF NEW YORK - AS AMENDED EFFECTIVE AUGUST 18, 1977

LAWYERS TITLE INSURANCE CORPORATION, a Title Insurance Company licensed to do business in the State of New York and having its principal office at 140 East 45th Street, New York, New York, hereby certifies that as to the land hereafter described being a tract of land, either unsubdivided or consisting of two or more lots of record, contiguous for a minimum of ten linear feet, located within a single block, that all the parties in interest constituting a party as defined in Section 12 - 10, subdivision (d) of the Zoning Resolution of the City of New York, effective December 15, 1961, as amended, are the following:

NAME/ADDRESS	NATURE OF INTEREST	DECLARATION OR WAIVER
1. West 129th Street Realty I, LLC 161 Suffolk Street New York, NY 10002	Fee owner (Tenant-in-common)	
2. West 129th Street Realty II, LLC 161 Suffolk Street New York, NY 10002	Fee owner (Tenant-in-common)	

The subject tract of land with respect to which the foregoing parties are the parties in interest as aforesaid, is known as Tax Lot Number 6 in Block 1969 on the Tax Map of the City of New York, New York County and more particularly described as follows:

SEE ATTACHED SCHEDULE "A"

SCHEDULE A

ALL that certain plot, piece or parcel of land, situate, lying and being in the Borough of Manhattan, City, County and State of New York, bounded and described as follows:

BEGINNING at a point on the southerly side of West 130th Street (as now open and in use, 60 feet wide) distant 154 feet 7 inches easterly from the corner formed by the intersection of the said southerly side of West 130th Street and the easterly side of Amsterdam Avenue (as now open and in use, 100 feet wide);

RUNNING THENCE easterly along the southerly side of West 130th Street, 95 feet 5 inches;

THENCE southerly along a line at right angles with the southerly side of West 130th Street, a distance of 198 feet 8-3/4 inches to an angle point (survey) 198 feet 7 inches (deed)

(Tax Map shows 198 feet 8 inches to the northerly side of West 129th Street)

THENCE southeasterly along a line forming an interior angle of 242 degrees 03 minutes 10 seconds with the last mentioned line 2 feet 4-1/4 inches to a point on the northerly side of West 129th Street;

THENCE westerly along the northerly side of West 129th Street a distance of 97 feet 6 inches;

THENCE northerly along a line at right angles with the northerly side of West 129th Street, 199 feet 10 inches to the point or place of BEGINNING.

The said premises are known as and by street address 487 West 129 Street, New York, NY as shown on the following DIAGRAM:

SEE ATTACHED DIAGRAM

CERTIFIED 3/17/2008 to:

Jeremiah H. Candreva, Esq.
Kramer Levin Naftalis & Frankel LLP
1177 Avenue of the Americas
jcandreva@kramerlevin.com
New York, NY 10036

NOTE: A Zoning Lot may or may not coincide with a lot as shown on the Official Tax Map of the City of New York, or on any recorded subdivision plot or deed. A Zoning Lot may be subdivided into two or more Zoning Lots provided all the resulting Zoning Lots and all the buildings thereon shall comply with the applicable provisions of the Zoning Lot Resolution.

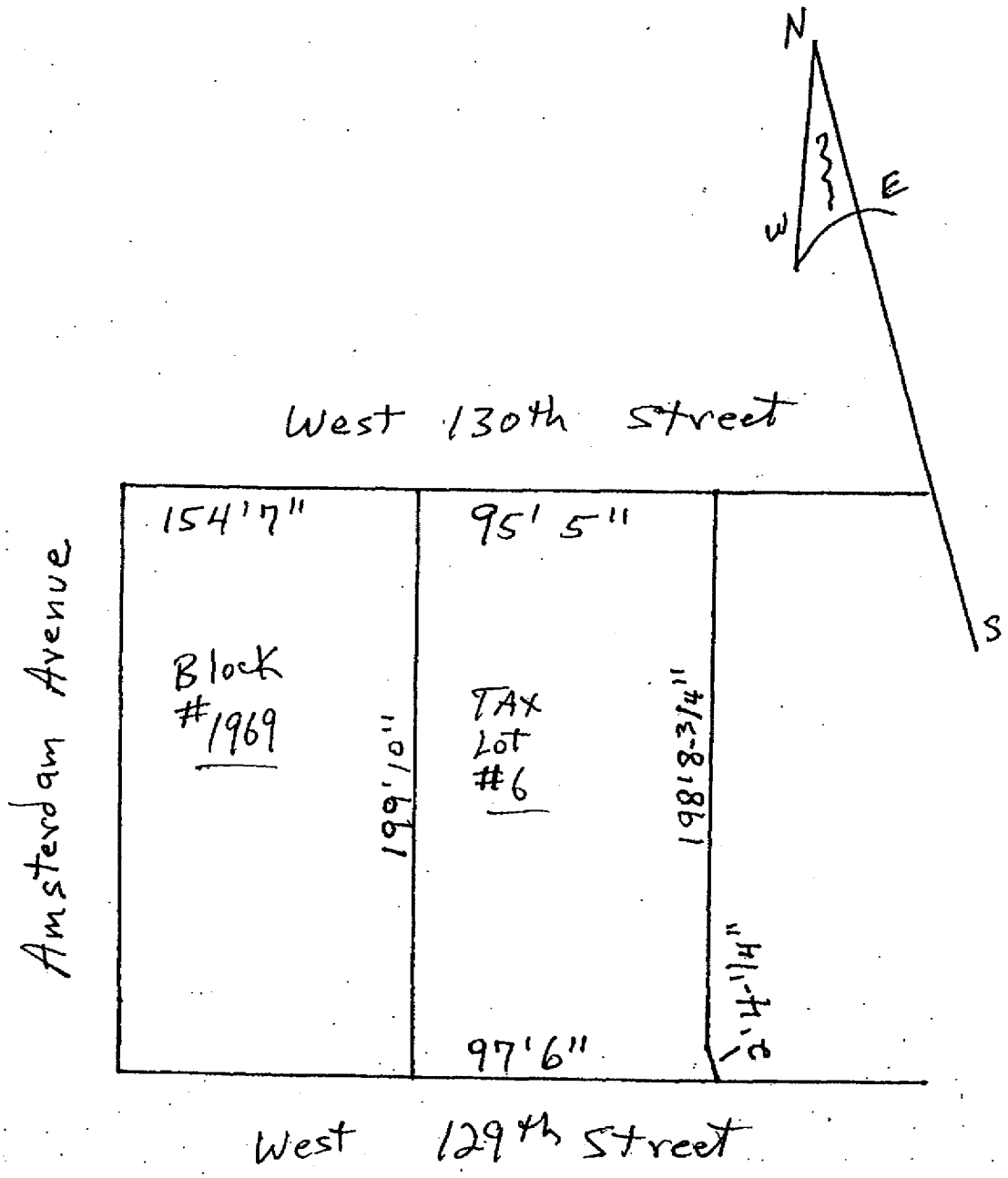
THIS CERTIFICATE IS MADE FOR AND ACCEPTED BY THE APPLICANT UPON THE EXPRESS UNDERSTANDING THAT LIABILITY HEREUNDER IS LIMITED TO ONE THOUSAND ($1,000.00) DOLLARS.

LAWYERS TITLE INSURANCE CORPORATION

Francis M. Hoffman
Assistant Vice President
Associate Branch Counsel

Title No.

DIAGRAM



Title No. LT080176

STATE OF NEW YORK, COUNTY OF NEW YORK ss:

On the 14th day of April, 2008, before me, the undersigned, personally appeared Francis M. Hoffman personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name(s) is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

Jennifer Vella
Notary Public, State of New York
No. 01VE6012828
Qualified in New York County
Commission Expires Sept 8, 2010

Jennifer Vella
Notary Public, State of New York
No. 01VE6012828
Qualified in New York County
Commission Expires Sept 8, 2010

SEAL

EXHIBIT C

DEP letter dated April 16, 2008 to follow

April 16, 2008

Robert Dobruskin
Director, Environmental Assessment and Review
New York City Department of City Planning
22 Reade Street, Room 4E
New York, NY 10007

Re: West 129th Street Rezoning
Block 1969, Lots 1 - 6, 12, 19, 65, 66, 68, 78 - 81 & 104
07DCP076M/ 08DEPTECH069M

Dear Mr. Dobruskin:

The New York City Department of Environmental Protection Bureau of Environmental Planning and Analysis (DEP) has reviewed the March 2008 Phase II Subsurface Investigation prepared by AKRF for the above referenced project site. It is our understanding that the applicant is seeking to rezone Block 1969 from the existing manufacturing M1-1 and R7-2 zones to a R7A zone. The C1-4 overlay along Amsterdam Avenue would remain. The rezoning would permit development at a floor area ratio of 4.0 and would facilitate construction of a 9-story residential building with approximately 130 units and 63 accessory parking spaces on Lots 6. The project site is located in Manhattan Community District 10.

The Phase II concluded that soil disposal requirements for the proposed development project/excavation activities may require hazardous waste disposal/recycling options if future disposal analysis reveals significant contaminant concentrations.

Based upon our review of the submitted documents, DEP has the following comments:

- As a result of Phase II findings, a Remedial Action Plan (RAP) and site-specific Construction Health and Safety Plan (CHASP) for Lot 6 should be submitted for DEP review and approval.

- An adequate sub-slab vapor barrier must be installed during the proposed construction project to reduce/eliminate potential on-site/off-site groundwater contamination from impacting the proposed site/structure.

- Due to the elevated concentration levels of volatile organic compounds detected on-site which are associated with an off-site spill and the engineering controls (vapor barrier) necessary to avoid significant hazardous materials impacts, the applicant should enter into a Restrictive Declaration for Lot 6 with DEP to ensure all remediation activities are completed prior to or during construction of the proposed development. The Restrictive Declaration

must be designed to restrict the manner in which the property may be developed or redeveloped, by requiring that additional testing or remediation measures, if required, serve as a condition precedent to any change of use or sub-surface excavation conducted as part of any future development or redevelopment of the property. All other development sites should receive Hazardous Materials "E" designations.

- Please note that the February 2008 Site Investigation was completed without DEP's written Workplan/HASP approval.

- Please note, as previously indicated in our March 21, 2008 correspondence, that based on the results of the Phase I Investigation, all development sites which are not controlled by the applicant should receive an "E" designation for hazardous materials to ensure that the appropriate level of investigation and, if necessary, remediation be conducted to the satisfaction of DEP prior to development of those sites.

Please include DEP tracking number 08DEPTECH069M on all future correspondence and submittals related to this project. If you have any questions, please contact Gosia Pawluszko at (718) 595-6450.

Sincerely,

Terrell Estesen
Director, Office of City Project Review

cc: J. Wuthenow
D. Cole
G. Pawluszko
D. Doobay – DCP

487 West 129th Street

NEW YORK, NEW YORK

Remedial Action Plan

AKRF Project Number: 10825

Prepared for:

Inner City Contracting, LLC
161 Suffolk Street
New York, NY 10002

Prepared by:

AKRF, Inc.
440 Park Avenue South, 7th Floor
New York, NY 10016
212-696-0670

MAY 2008

TABLE OF CONTENTS

FIGURES

1.0 INTRODUCTION

Inner City Contracting, LLC is proposing to construct a new residential building with a ground-floor parking garage at 487 West 129th Street in Manhattan, New York. The site is located in the central portion of the block bounded by Convent Avenue to the east, West 129th Street to the south, Amsterdam Avenue to the west, and West 130th Street to the north, and comprises Lot 6 of Tax Block 1969. The site is currently occupied by the eastern half of a one-story warehouse, and is vacant. A site location map is provided as Figure 1.

The purpose of this Remedial Action Plan (RAP) is to present procedures for managing on-site soil and groundwater in accordance with applicable federal, state, and local regulations, including guidelines for temporary on-site stockpiling and off-site transportation and disposal of soil. The plan is based upon the findings presented in AKRF, Inc.'s Phase I Environmental Site Assessment dated November 2007 and Subsurface (Phase II) Investigation Report dated March 2008. A site plan is provided as Figure 2.

2.0 SITE BACKGROUND

2.1 Site Characterization

Based on a survey of the site conducted on April 16, 2005 by Albert A. Bianco, Professional Land Surveyor, the site is located at an elevation of approximately 36.4 feet (all elevations given relative to Manhattan borough datum). The north-adjacent sidewalk at West 130th Street is at an elevation of approximately 60.8 to 53.9 feet. Below the concrete floor, the top 4.5 to 6.5 feet of soil on the site is fill, which consists of mainly sand with traces of gravel, silt, brick, concrete, ash and glass. In two borings advanced during AKRF's March 2008 Subsurface Investigation, the fill was underlain by sand with traces of silt and gravel, which may be native soil. In the remaining three borings, refusal was encountered at shallow depths, on apparent bedrock.

Although groundwater was encountered in a boring at approximately 13 feet below grade, no groundwater could be recovered from the boring, which encountered refusal at approximately 14 feet below grade. Based on the shallow depth of refusal over most of the site and that groundwater was not encountered at any other testing location, this water was indicative of a perched water table on the bedrock; there appears to be no surficial groundwater table at the site.

2.2 Proposed Project

The proposed project involves the demolition of the on-site half of the existing one-story warehouse, and the construction of a new residential building with a ground-floor parking garage. Excavation for the proposed construction is expected to a depth of four feet below existing grade. Although not anticipated, if groundwater is encountered during development activities and/or dewatering is required for construction, testing would be necessary to ensure compliance with NYCDEP sewer discharge requirements. If necessary, the water would be pre-treated prior discharge to the City's sewer system, as required by NYCDEP permit/approval requirements.

2.3 Previous Environmental Investigations

Phase I Environmental Site Assessment, AKRF, Inc., November 2007

To identify potential sources of hazardous materials, a Phase I Environmental Site Assessment of the site was conducted by AKRF in November 2007. The Phase I identified Recognized Environmental Conditions pertaining to past uses of the site as the Metropolitan Street Railway Company Third Avenue Division Power Station, and the Third Avenue Railway Company car house and repair shop; and past and present uses of the surrounding area, including properties with buried gasoline tanks and/or reported spills in an anticipated upgradient groundwater flow direction and/or in close proximity to the site. In addition, the Phase I noted the presence of floor drains that were suspect drywells. However, during the Phase II, pipes were observed in the floor drains. These pipes most likely connect to the municipal sewer system, and the floor drains are thus not drywells. After 1951, the site was used as a Metropolitan Opera Association warehouse.

NYC Buildings Department records included a 1941 Oil Burner Application and a 1949 Certificate of Occupancy for 495 West 129th Street (the collective address of the on-site and off-site warehouse halves) noted that the building had a boiler room in the cellar. Neither the cellar nor the boiler room was observed on-site, and no evidence of tanks was noted during the site visit or in regulatory databases. A cellar was observed in the off-site western half of the subject building, which contained the Metropolitan Opera warehouse. Although the warehouse employees interviewed during the Phase I had no knowledge of any tanks in the building, the suspect tank indicated by the Oil Burner Application may have been located in the off-site warehouse's cellar in the past.

Subsurface (Phase II) Investigation, AKRF, Inc., March 2008

AKRF, Inc. (AKRF) conducted a subsurface (Phase II) investigation at the 487 West 129th Street property in Manhattan, New York. The Phase II study was intended to determine whether current or former on- or off-site activities have adversely affected the subject property. The scope of the Phase II study was based on the findings of the Phase I Environmental Site Assessment (ESA) performed for the site by AKRF, Inc., dated November 19, 2007, and in accordance with the New York City Department of Environmental Conservation (NYSDEC)-approved Sampling Protocol and Health and Safety Plan dated February 2008.

Eight soil samples were collected for laboratory analysis. Soil sample analytical results were compared to New York State Department of Environmental Conservation (NYSDEC) Technical and Administrative Guidance Memorandum #4046 (TAGM) Recommended Soil Cleanup Objectives (RSCOs) and NYSDEC Part 375 Soil Cleanup Objectives (SCOs) for restricted residential use.

An elevated photoionization detector (PID) reading and a petroleum-like odor were detected in boring SB-2 at approximately 10.5-14.5 feet below the building's floor slab. A slight petroleum-like odor and an elevated PID reading were noted in boring SB-1 at a depth of approximately 4.5 feet, but the sample recovery was poor and consisted mainly of gravel and concrete; a sufficient amount of soil could not be collected for laboratory analysis. Laboratory analysis detected nine VOCs exceeding their respective TAGM RSCOs in sample SB-2 (12-14'), which was collected within the perched water table, observed at approximately 13 feet below the floor slab during drilling. This sample had elevated VOC reportable detection limits (RDLs) due to sample dilution for analysis. As a result, fifteen VOCs had detection limits above their respective TAGM

RSCOs, therefore, additional VOCs may be present in the sample that could not be reported above TAGM RSCOs. Only one VOC (1,2,4-trimethylbenzene) exceeded its Part 375 SCO in soil sample SB-2 (12'-14'). Trace levels of several VOCs were detected in samples SB-2 (0-2'), SB-3 (0-2') and SB-5 (5-7'). Based on field observations and the elevated levels of VOCs and low levels of SVOCs detected in sample SB-2 (12-14'), the elevated VOC levels in this sample did not appear to originate from an on-site petroleum spill, which would have resulted in elevated VOC and/or SVOC levels in the overlying soil. The elevated concentrations of VOCs in SB-2 (12-14') were possibly attributable to an off-site spill that migrated on-site.

Twelve SVOCs, mainly polycyclic aromatic hydrocarbons (PAHs), were detected in five of the soil samples. Six common PAHs exceeded their respective TAGM RSCOs in four of the soil samples. All of these PAHs, except phenanthrene, also exceeded their respective Part 375 SCOs in sample SB-3 (0-2'), which had a total PAH concentration of 282 parts per million (ppm). All of the soil samples had elevated SVOC reportable detection limits (RDL) due to sample dilutions for analysis. As a result, 33 SVOCs had detection limits above their respective TAGM RSCOs. Thus, additional SVOCs were noted to be potentially present in these samples above TAGM RSCOs. In addition, the RDL for the nine SVOCs were above their respective Part 375 SCOs. Based on the nature and distribution of the compounds detected and field observations, the elevated levels of SVOCs were attributed to the presence of urban fill beneath the site. In some of the borings, the fill was noted to include ash, which contains high levels of PAHs.

Lead exceeded its SCO in sample SB-3 (0-2'), and mercury slightly exceeded its SCO in two soil samples [SB-2 (0-2') and SB-3 (0-2')]. Other metals were present in the soil samples at concentrations below their respective SCOs. Based on the type and distribution of the identified metals concentrations, the metals may be attributable to the historical uses of the site as a railway power station and a railway car house and repair shop, and/or to urban fill. No PCBs or pesticides were detected in any of the soil samples.

Groundwater was encountered at approximately 13 feet below grade in boring SB-2. This boring encountered refusal on apparent bedrock at approximately 14 feet. A sufficient volume of water could not be collected for analysis. Based on the shallow depth of refusal in the remaining borings and that groundwater was not encountered in any other boring, it appears that this water is perched above the bedrock, and that there was no surficial groundwater at the site. Based on the depth of the detected contamination (8 to 10 feet below the planned excavation depth for the proposed development), it was not anticipated that this contamination would affect the proposed development. Due to the detection of VOCs in the deep soil sample [SB-2 (12-14') in the southern portion of the site], it was recommended to include a vapor barrier in the building's design to alleviate the possibility of vapor intrusion into the building.

3.0 CONSTRUCTION MEASURES

Excavation for the proposed construction is expected to four feet below existing grade. Based on the Phase II Subsurface Investigation, on-site soil includes primarily urban fill. Any soil and fill materials excavated as part of any future site development activities at the site will be managed in accordance with all applicable regulations as detailed in Section 3.3. Based on observations and laboratory analysis, the southern portion of the site may have been affected by off-site petroleum releases; however, the affected area may be limited to the interval just above the bedrock. If petroleum-contaminated soil or any other type of contamination is identified, it will be managed in accordance with all applicable requirements. Soil intended for off-site disposal will be tested in accordance with the requirements of the receiving facility. Transportation of material leaving the site for off-site disposal will be tested in accordance with

federal, state and local requirements covering licensing of haulers and trucks, placarding, truck routes, manifesting, etc., as detailed in Section 3.4.

Although not anticipated, it is possible that previously unidentified tanks, drums, and/or containers may be encountered during excavation. A contingency plan for the removal of such tanks is provided in Section 3.1. In the event that petroleum-contaminated soil is encountered, a contingency plan is provided in Section 3.2 for appropriate handling, testing, and disposal of these materials during general excavation. All work outlined within the RAP is subject to the Construction Phase Environmental Health and Safety Plan (CHASP) developed for the site.

3.1 Petroleum Tank Removal

If underground storage tanks (USTs) are encountered, the tanks and any appurtenances will be cleaned, removed and disposed of in accordance with accepted industry standards and applicable federal, state, and local regulatory agency requirements. Tank and soil removal from the vicinity of any discovered underground storage tanks will be conducted in accordance with the New York State Department of Environmental Conservation (NYSDEC), Division of Spills Management Spill Prevention Operations Technology Series (SPOTS) Memo No. 14 “Site Assessments at Bulk Storage Facilities” and in accordance with the NYSDEC, Bureau of Spill Response, STARS Memo No. 1, "Petroleum-Contaminated Soil Guidance Policy," August 1992. Laboratory testing of both characterization samples and of samples obtained from the excavation areas will include STARS Method 8021 for VOCs and STARS Method 8270 for SVOCs.

According to 6 NYCRR Part 612.2, the existing State Petroleum Bulk Storage listing for the site must be updated to reflect the discovery and subsequent removal of any known or additional tanks from the site. Tank removal activities and any associated petroleum-contaminated soil removal must be documented in a Spill Closure Report, which will be submitted to NYSDEC. In addition, the removal of any gasoline underground storage tanks must be reported to the New York City Fire Department.

Typical tank removal procedures are summarized as follows:

1. Open fill cap or vent pipe and measure for product. Collect a sample of the product. Tank contents will be sampled in accordance with applicable federal, state and local requirements and tested in accordance with the requirements of the receiving facility. Proper disposal of tank contents at an approved facility will be dictated by sample results.
2. Excavate to expose the tank. Vacuum liquid tank contents and pumpable tank bottom residue.
3. Excavate around the tank with care to avoid release of tank and piping contents. Hand excavation around the tank may be necessary. The sides of all excavated areas will be properly stabilized in accordance with OSHA regulations. Continuously monitor the excavated areas in the worker breathing zone for the presence of flammable, toxic or oxygen deficient atmosphere with a photoionization detector (PID), a combustible gas indicator (CGI), and an oxygen meter.
4. Inert the tank of flammable vapors using dry ice and verify using an oxygen meter (less than 7 percent). An access hole will be cut in the tank and the tank will be thoroughly cleaned of residual liquids and sludges.
5. Entry of the tank, if necessary, will be conducted in conformance with OSHA confined space requirements.

6. Remaining fuels, loose slurry, sludge materials and wastewater will be collected in DOT-approved drums, sampled and analyzed for disposal characterization. After disposal characterization, waste material will be removed and disposed of in accordance with applicable regulations.
7. Remove the tank and all associated piping from the ground and clean the outside of the tank. The tank and piping will be rendered "not reusable," removed from the site and disposed of according to applicable regulations with proper documentation. Remove and dispose of all concrete tank support structures or vaults as encountered.
8. Spill reporting to the NYSDEC Spill Hotline (800-457-7362) will be conducted, as necessary.
9. After tank removal, examine for evidence of petroleum releases in accordance with NYSDEC, Division of Spills Management Spill Prevention Operations Technology Series (SPOTS) Memo No. 14 "Site Assessments at Bulk Storage Facilities." If there is evidence of a petroleum release, follow procedures for Soil Contamination Plan in addition to the procedures below.
10. Suspect materials will be field-screened with a photoionization detector (PID). If soil contamination is present, excavate and remove contaminated soil from the tank areas in accordance with the stockpiling and/or direct-loading procedures presented in Sections 3.2.1 and 3.2.2. Material will be excavated until field screening with a PID yields concentrations of less than 20 ppm and until there are no remaining visible signs of contamination or odors. After contaminated soil removal, collect endpoint samples at each sidewall and at the bottom of the excavation for analytical testing as specified in the NYSDEC, Bureau of Spill Response, STARS Memo No. 1, "Petroleum-Contaminated Soil Guidance Policy," August 1992.
11. Photo-document all procedures and record all procedures in a bound field notebook.
12. Copies of all testing results, correspondence with disposal facilities concerning classification of materials, and permits/approvals will be maintained by the project manager and will be submitted to the NYSDEC in a Tank Closure Report.
13. A signed affidavit will be prepared by the licensed tank installation (removal) contractor and submitted to the New York City Fire Department certifying proper removal of the tank(s).

3.2 Soil Contamination Plan

If sludges or soil known to be contaminated or showing evidence of potential contamination, such as discoloration, staining, or odors is encountered during excavation activities, the following procedures will be implemented:

1. Spill reporting to the NYSDEC Spill Hotline (800-457-7362) will be conducted, as necessary.
2. The suspected soil will be sampled for laboratory analyses. Soil samples will be analyzed for parameters required by the intended disposal facility.
3. If the suspect soil is contaminated based on sampling results, it will be excavated and removed in accordance with the stockpiling and/or direct-loading procedures presented below. Soils intended for off-site disposal will be disposed of in accordance with applicable federal, state and local requirements and tested in accordance with the requirements of the

receiving facility. Additional sample analysis may be required by alternative disposal facilities. Additional analysis may be run on existing sample material at the laboratory as long as all holding time and preservation requirements have not been exceeded. If there are exceedances to these requirements or if additional sampling material is required by the laboratory to complete the required analysis, additional samples may be collected.

4. The excavated soil will then be disposed of in accordance with all applicable federal, state and local regulations, as described in Section 3.4.
5. The excavation will continue vertically until no evidence of contamination is noted in the base of the excavation or until groundwater is encountered. The excavation will continue horizontally until no evidence of contamination is noted in the sidewalls of the excavation. Post-excavation endpoint samples will be collected from the sides and bottom of the excavated area, as required by the NYSDEC. Analytic parameters for post excavation soil samples will be determined based on NYSDEC. If post-excavation samples exceed action levels, then additional excavation will be performed, as warranted.
6. Copies of correspondence with disposal facilities concerning classification of materials, testing results, and permits/approvals will be maintained by the project manager and will be submitted to NYSDEC in a Spill Closure Report.

3.2.1 Stockpiling Procedures

Petroleum-contaminated soil or excess fill material intended for off-site disposal may be stockpiled temporarily or loaded directly onto trucks for off-site disposal, if pre-approved by the receiving facility. No petroleum-contaminated soil encountered that is excavated from the site will be re-used on-site for grading or other purposes. For soil that will be stockpiled, the stockpiles will be placed on polyethylene sheeting. If the soil is expected to remain on-site overnight or longer, the stockpile will be covered with similar polyethylene sheeting and be secured with large rocks or other appropriate weights to protect against leaching or runoff of contaminants into groundwater or stormwater. The surface surrounding the stockpile will be graded to provide for positive drainage away from the pile. Stockpiles will be managed to minimize dust generation, run-off and erosion, using water, plastic covers, silt fences, and/or hay bales, as necessary.

Soil will be segregated and stockpiled based on its known or anticipated type and/or level of contamination (based on analytical data, PID readings, odor, staining, etc.). Stockpiles will be separated by a sufficient distance to ensure that mixing of dissimilar or potentially dissimilar materials does not occur. The location and classification of stockpiles will be tracked on site drawings and updated, if necessary, at the end of each workday according to the following categories:

- Non-petroleum contaminated soil for off-site disposal;
- Petroleum-contaminated soil for off-site disposal; and
- Soil pending analysis.

Copies of site drawings will be kept in the field log book. Stockpiles intended for off-site disposal may be mixed with other compatible stockpiles on-site (compatibility will be determined by the requirements of the receiving disposal facility), but hazardous wastes (if any) will not be mixed with non-hazardous wastes.

3.2.2 Alternatives to Stockpiling

Alternative procedures to stockpiling could include, but are not limited to, agreement(s) from the intended disposal or treatment facilities to accept boring data and/or analytical data previously obtained so that materials may be directly loaded into trucks for shipment to the disposal facility.

3.3 Soil Disposal

Disposal will be in accordance with applicable federal, state and local requirements, including those for hazardous waste, industrial waste, petroleum-contaminated soil, construction and demolition debris, etc.

The testing performed on the site indicates that most of the soil that would be disturbed during the development of the project site is historic fill. This material must be disposed of at a permitted Part 360 disposal facility and cannot be sent to a Soil Recycling Facility (Part 360-16 Registration Facility) except in accordance with a Beneficial Use Determination.

If excess excavated soil is intended for re-use off-site, approval of a generic or case-specific Beneficial Use Determination (under 6 NYCRR Part 360) from the NYSDEC may be required. Such alternatives may include, but are not limited to, cold mix and hot mix asphalt manufacture at permitted off-site facilities.

As applicable, manifest forms and shipment manifest records will be completed as required by the appropriate regulatory agencies for verifying the material and quantity of each load in unit of volume and weight.

3.4 Transportation

Transportation of material leaving the site for off-site disposal will be in accordance with federal, state and local requirements (including 6NYCRR Part 364 and U.S. DOT regulations) covering licensing of haulers and trucks, placarding, truck routes, manifesting, etc.

The schedule for truck arrival will be coordinated to meet the approved project schedule. The schedule will be compatible with the availability of equipment and personnel for material handling operations at the job site. Trucks will be protected against contamination by properly covering and lining them with compatible material (such as polyethylene) or by decontaminating them prior to any use other than hauling contaminated materials.

All vehicles leaving the project site will be inspected to ensure that contaminated soil adhering to the wheels or under carriage is removed prior to the vehicle leaving the site. Any situations involving material spilled in transit or mud and dust tracked off-site will be remedied. The access routes will be inspected for road conditions, overhead clearance, and weight restrictions.

Contaminated materials from other projects will not be combined with material from the construction area. The transporter will not deliver waste to any facility other than the disposal facility(s) listed on the shipping manifest.

3.5 Dust Control

To prevent the potential off-site transport of dust that may contain above-background levels of contaminants, the following dust control measures will be implemented during all earth-disturbing operations:

- Water will be available (and used) on-site for sprinkling/wetting to suppress dust in dry weather or as necessary.
- All haul trucks will have tarp covers.
- Stabilized construction entrances (gravel pads) and wash stations will be placed at access points to prevent tracking out of dust.

All work that involves soil disturbance or otherwise generates dust will be performed utilizing methods to minimize dust generation to the extent practicable. Particulate air monitoring requirements will be conducted as discussed in Section 3.6 of this Plan.

3.6 Air Monitoring

An air monitoring program will be implemented during all earth-disturbing operations. The air monitoring is intended to avoid or minimize exposure of the field personnel and the public to potential environmental hazards in the soil during excavation of such soil. Results of this air monitoring times will be used to determine the appropriate response action, if needed. A photoionization detector (PID) will be used to perform the air monitoring and will be calibrated with isobutylene in accordance with the manufacturer's recommendations.

A Dust Trak® dust monitor or equivalent will be used to measure concentration of total particulate matter during excavation activities.

Measurements for particulate, and if necessary, volatile organic compounds, will be taken prior to commencement of the work and for at least 1 minute every 60 minutes during the work. The action levels developed for the site are based upon 15-minute averages of the monitoring data. The measurements will be made as close to the workers as practicable and at the breathing height of the workers. The Site Safety Officer (SSO) will set up the equipment and confirm that it is working properly. His/her designee may oversee the air measurements during the day. The initial measurement for the day will be performed before the start of work and will establish the background level for that day. The final measurement for the day will be performed after the end of work. The action levels and required responses are listed in Table 1.

Table 1
Action Levels and Required Responses

Instrument	Action Level[1]	Response Action
Particulate Monitoring (during all excavation activities disturbing on-site fill or petroleum-contaminated soil)	Less than 5 mg/m^3	**Level D**
	Between 5 mg/m^3 and 125 mg/m^3	**Level C.** Apply dust suppression measures. If less than 2.5 mg/m3, resume work using Level D. Otherwise, upgrade Level C.
	Above 125 mg/m^3	**Stop work.** Apply additional dust suppression measures. Resume work when less than 125 mg/m3 and maintain Level C.
Volatile Organic Compound Monitoring (with PID)	Less than 10 ppm in breathing zone.	**Level D or D-Modified** (Requires coveralls and steel toe boots) (As applicable: Chemical resistant gloves, chemical resistant boot covers, Hard hat, safety glasses, face shield, or escape mask)
	Between 10 and 20 ppm	**Level C**. (Requires Full Face or half face respirator, Hooded chemical resistant two piece Tyvek suite or overalls, Chemical resistant inner and outer gloves, Chemical resistant boot covers, Steel toe and shank boots) (As applicable: Hard hat, face shield, or escape mask)
	More than 20 ppm	**Stop work.** Resume work when source of vapors is abated and readings are less than 20 ppm above background

Notes: [1] 15-minute time-weighted average; parts per million (ppm); milligrams per cubic meter (mg/m^3)

3.7 Groundwater Management Plan

Based on AKRF's observations during the March 2008 Phase II Subsurface Investigation, a perched water table may be present on bedrock in the southwestern portion of the site, at a depth of 13 (or more) feet below surface grade. No surficial groundwater is present on the site. Groundwater is not anticipated to be encountered during development activities, however, if dewatering is required for construction, testing would be required to ensure compliance with NYCDEP sewer discharge requirements. Regulatory protocols may require pretreatment of groundwater pumped from the site before discharge into the sewer system. Prior to initiating any dewatering activities, a groundwater sample should be analyzed to ensure it meets the New York City Department of Environmental Protection (NYCDEP) criteria for effluent to municipal sewers as part of the application process for the NYCDEP Bureau of Wastewater Treatment (BWT) Wastewater Quality Control Permit. Any contaminated groundwater generated by construction dewatering will be treated on-site, if necessary, to meet discharge limitations. Following on-site treatment, the water would be discharged to the City sewer with the appropriate permit.

4.0 PROJECT DESIGN MEASURES

4.1 Site Cap and Importation of Fill

The proposed development would include the demolition of the on-site half of the existing one-story warehouse, and the construction of a new residential building with a ground-floor parking garage. If any areas are not covered in this manner, such areas would be covered with a minimum of two feet of imported clean soil. There is no planned importation of fill; however, if plans change and soil must be imported, any such soil imported to the site would meet the criteria outlined in NYSDEC TAGM 4046. Non-virgin imported material that does not have an approved NYSDEC Beneficial Use Determination will be tested at the originating facility for Target Compound List (TCL) VOCs, TCL SVOCs, pesticides, PCBs, and Target Analyte List (TAL) metals by a New York State-certified laboratory. The results will be compared to the appropriate NYSDEC Recommended Soil Cleanup Objectives and submitted to the NYCDEP for review and approval prior to importing of the material. No construction and demolition (C&D) debris will be imported to the site for use as fill.

A vapor barrier will be installed below the buildings as part of the proposed construction. The vapor barrier will consist of a 10 millimeter high density polyethylene (HDPE) membrane, or equivalent, which will be applied to the underside of the foundation slab, as shown on Figure 3. Any penetrations through the foundations will be sealed in accordance with the manufacturer's specifications.

5.0 QUALITY ASSURANCE/QUALITY CONTROL

All necessary analyses will be performed by a laboratory that has received approval from the New York State Department of Health's Environmental Laboratory Approval Program (ELAP) for the methods that require analysis.

5.1 Sample Collection

Samples will be collected in accordance with the following procedures:

- Record sample observations (evidence of contamination, PID readings, soil classification) in field log book.
- Collect an aliquot of soil or groundwater using a dedicated and disposable plastic sample spoon or sample bailer and place in laboratory-supplied sample jars. One grab sample will be collected for volatile organic compound analysis, if applicable. One composite sample will be collected for all other analyses.
- Seal and label the sample jars as described in Section 5.6 and place in a chilled cooler.

5.2 Decontamination Procedures

To avoid contamination and cross-contamination of samples, only dedicated or disposable sampling equipment may be used to collect these samples. All non-disposable equipment involved in field sampling must be decontaminated before being brought to the sampling location, and must be properly decontaminated after use.

5.3 Sample Identification

All samples will be consistently identified in all field documentation, chain-of-custody documents and laboratory reports using an alpha-numeric or alpha-alpha code. For stockpiled soil, the alpha prefix will be "SP" and the numbers following the alpha prefix will correspond to excavated stockpiles, beginning with "1, 2, 3…etc." For example, the first sample collected from the first stockpile will be labeled "SP-1-1" and the first sample collected from the second stockpile will be labeled "SP-2-1."

For groundwater samples, the alpha prefix will be "GW" and the number following the prefix will correspond to the sample number. For example, the first groundwater sample collected for sample analysis will be labeled "GW-1" and the second sample will be "GW-2."

5.4 Sample Labeling and Shipping

All sample containers will be labeled with the following information:

- Site identification
- Sample identification
- Date and time of collection
- Analysis(es) to be performed
- Sampler's initials

Once the samples are collected and labeled, they will be placed in chilled coolers and stored in a cool area away from direct sunlight to await shipment to the laboratory. Soil samples will be shipped to the laboratory at a frequency that will not result in an exceedance of applicable holding times for sample methods. At the start and end of each workday, field personnel will add ice to the coolers as needed.

The samples will be prepared for shipment by placing each sample jar in a sealable plastic bag, then wrapping each bag in bubble wrap to prevent breakage, adding freezer packs and/or fresh ice in sealable plastic bags and the chain-of-custody form. Samples will be shipped overnight (e.g., Federal Express) or transported by a laboratory courier. All coolers shipped to the laboratory will be sealed with mailing tape and a chain-of-custody (COC) seal to ensure that the coolers remain sealed during delivery.

5.5 Sample Custody

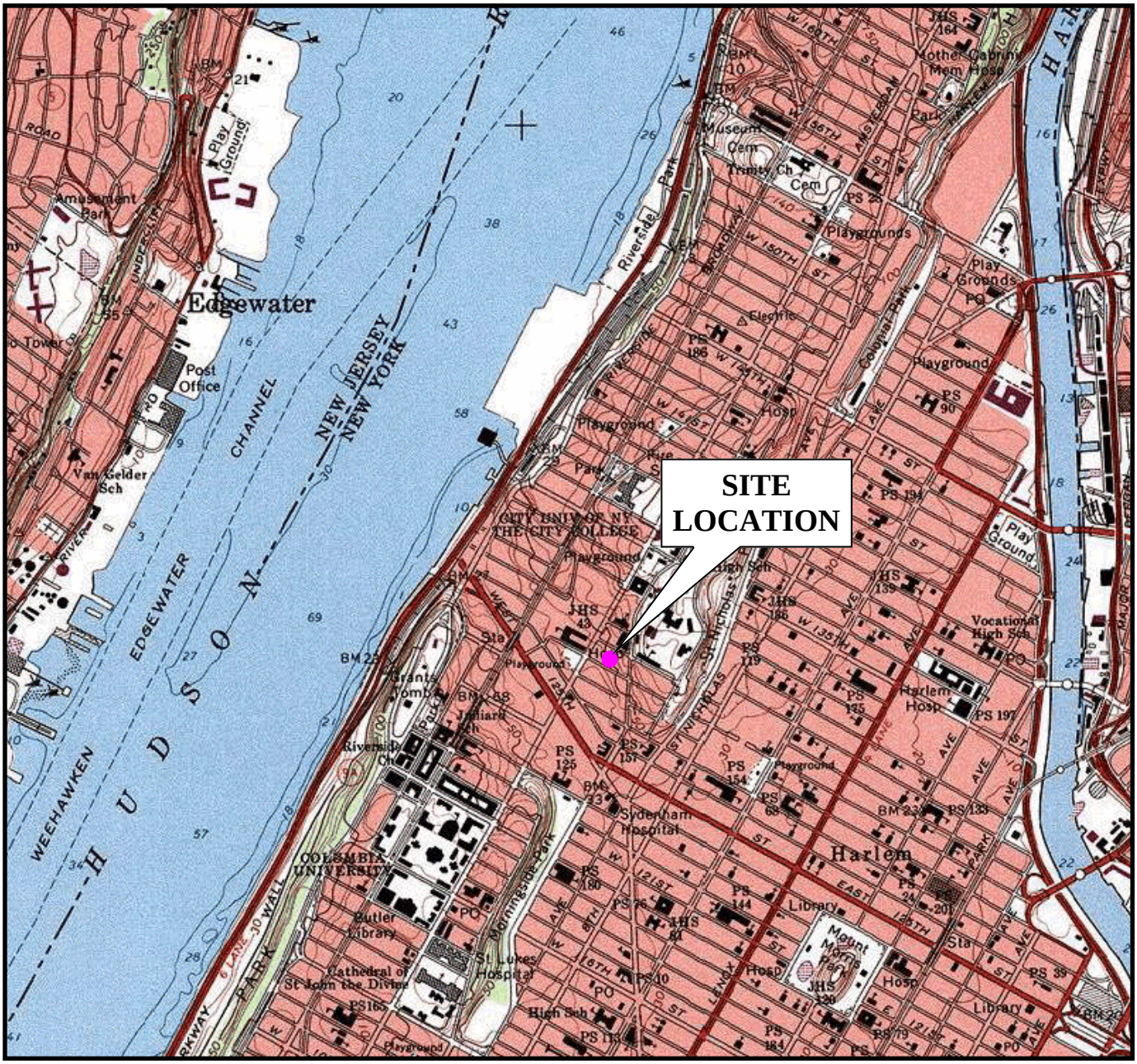
Field personnel will be responsible for maintaining the sample coolers in a secured location until they are picked up and/or sent to the laboratory. The record of possession of samples from the time they are obtained in the field to the time they are delivered to the laboratory or shipped off-site will be documented on COC forms. The COC forms will contain the following information: project name; names of sampling personnel; sample number; date and time of collection and matrix; and signatures of individuals involved in sample transfer, and the dates and times of transfers. Laboratory personnel will note the condition of the custody seal and sample containers at sample check-in.

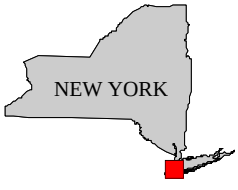
5.6 Documentation

A sample log book will be maintained. The following information, as a minimum will be recorded to the log.

- Sample identification number
- Sample location
- Field Observations
- Sample Type
- Analyses
- Date/Time of collection
- Collector's name
- Sample procedures and equipment utilized
- Date sent to laboratory/name of laboratory
- Copies of site drawings indicating stockpile numbers and locations

FIGURES





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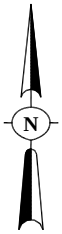
0’ 1000’ 2000’ 4000’

SCALE: 1”=2000’



SOURCE:

7.5 MINUTE SERIES USGS TOPOGRAPHIC MAP
QUADRANGLE: CENTRAL PARK, NY 1995

487 WEST 129th STREET
NEW YORK, NEW YORK

PROJECT SITE LOCATION

AKRF

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

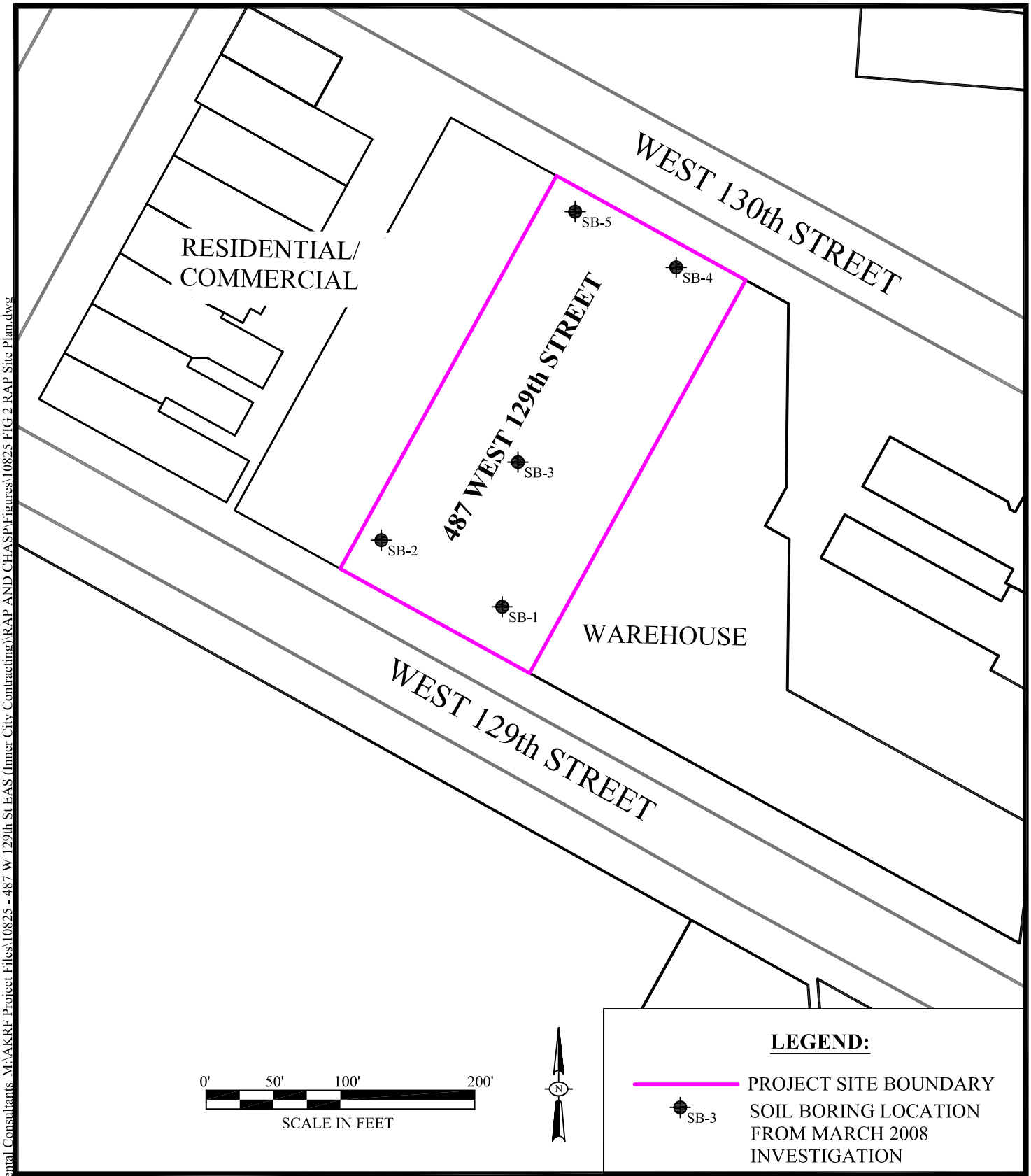
DATE **3.12.07**

PROJECT No. **10825**

SCALE **AS SHOWN**

FIGURE **1**

© 2007 AKRF, Inc. Environmental Consultants M:\AKRF Project Files\10825 - 487 W 129th St EAS (Inner City Contracting)\Phase II Work Plan\Figures\10825 Fig 1 loc map.pub



487 WEST 129th STREET

NEW YORK, NEW YORK

SITE PLAN DETAIL

AKRF

Environmental Consultants

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

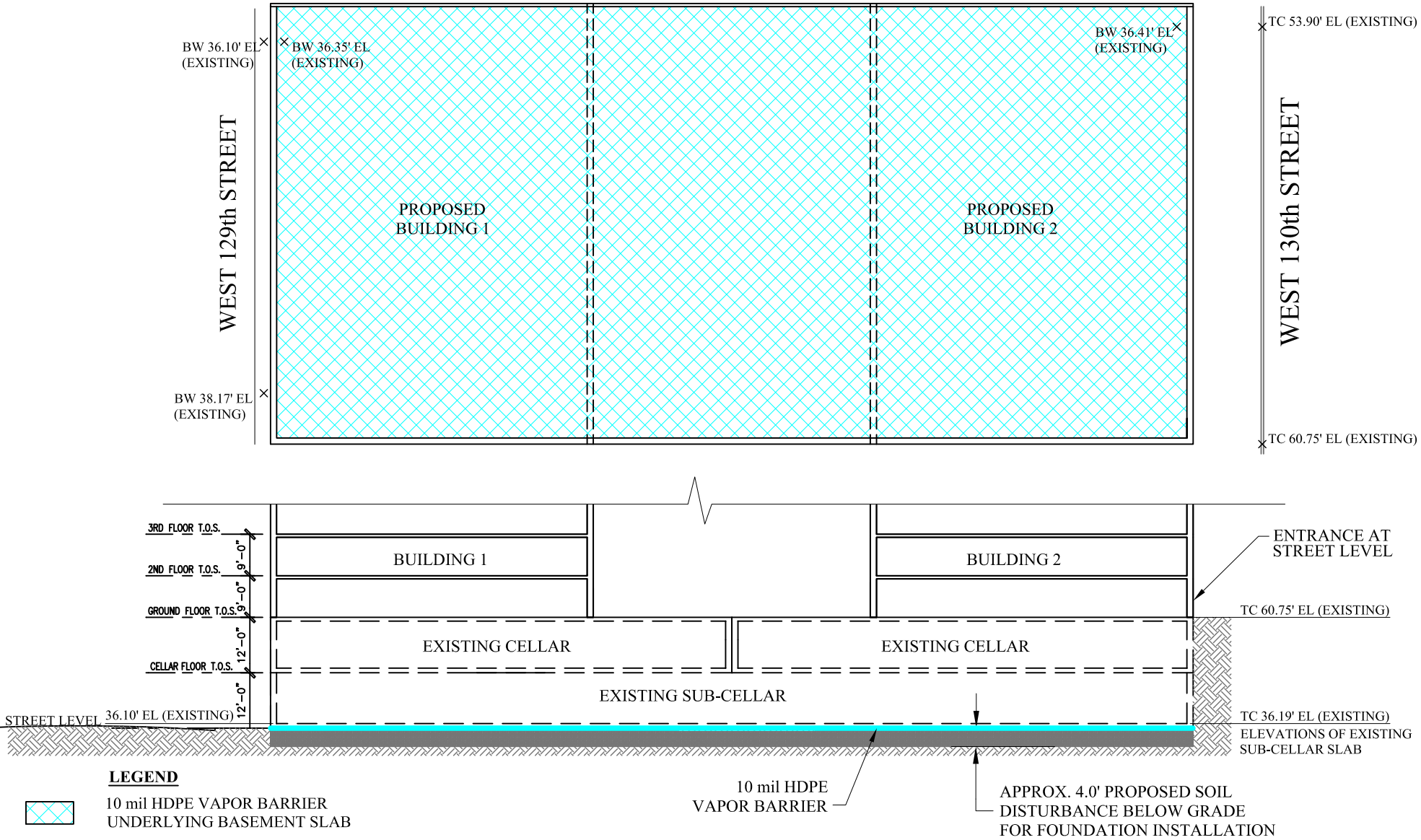
DATE **04.30.08**

PROJECT No. **10825**

SCALE **AS SHOWN**

FIGURE **2**

© 2008 AKRF, Inc. Environmental Consultants M:\AKRF Project Files\10825 - 487 W 129th St EAS (Inner City Contracting)\RAP AND CHASP\Figures\10825 FIG 2 RAP Site Plan.dwg



NOTES:

1. ELEVATIONS SHOWN REFER TO THE MANHATTAN DATUM WHICH IS 2.75 FEET ABOVE MEAN SEA LEVEL AT SANDY HOOK, NJ AS ESTBLISHED BY THE U.S. COAST AND GEODETIC SURVEY.
2. BASE MAP PROVIDED BY THOMAS O'HARA(ARCHITECT, PLLC136 35th STREET NEW YORK, NY 10018 MARCH 2006.

487 WEST 129th STREET

NEW YORK, NEW YORK

SITE SURVEY AND PROPOSED VAPOR BARRIER INSTALLATION DETAIL

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

DATE 4.30.08
PROJECT No. 10825
SCALE nts
FIGURE 3

© 2008 AKRF, Inc. Environmental Consultants M:\AKRF Project Files\10825 - 487 W 129th St EAS (Inner City Contracting)\Phase II\Figures\10825 Fig 3 Vapor Barrier install.dwg

487 West 129th Street

NEW YORK, NEW YORK

Construction Health and Safety Plan

AKRF Project Number: 10825

Prepared for:

Inner City Contracting, LLC
161 Suffolk Street
New York, NY 10002

Prepared by:

AKRF, Inc.
440 Park Avenue South, 7th Floor
New York, NY 10016
212-696-0670

MAY 2008

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FIGURES

APPENDICES

1.0 PURPOSE

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

This plan is not designed to address potential geotechnical, mechanical, or structural safety concerns, nor to supersede or replace any OSHA regulation and/or local and state construction codes or regulations.

2.0 APPLICABILITY

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

3.0 SITE DESCRIPTION

3.1 General Information

Inner City Contracting, LLC is proposing to construct a new residential building with a ground-floor parking garage at 487 West 129th Street in Manhattan, New York. The site is located in the central portion of the block bounded by Convent Avenue to the east, West 129th Street to the south, Amsterdam Avenue to the west, and West 130th Street to the north, and comprises Lot 6 of Tax Block 1969. The site is currently occupied by the eastern half of a one-story warehouse, and is vacant. The proposed development would include the demolition of the on-site half of the existing one-story warehouse.

3.2 Hazard Potential

AKRF, Inc. (AKRF) conducted a subsurface (Phase II) investigation at the 487 West 129th Street property in Manhattan, New York in March 2008. The Phase II study was intended to determine whether current or former on- or off-site activities have adversely affected the subject property. The scope of the Phase II study was based on the findings of the Phase I Environmental Site Assessment (ESA) performed for the site by AKRF, Inc., dated November 19, 2007 and in accordance with the New York City Department of Environmental Conservation (NYSDEC)-approved Sampling Protocol and Health and Safety Plan dated February 2008.

Eight soil samples were collected for laboratory analysis. Soil sample analytical results were compared to New York State Department of Environmental Conservation (NYSDEC) Technical and Administrative Guidance Memorandum #4046 (TAGM) Recommended Soil Cleanup Objectives (RSCOs) and NYSDEC Part 375 Soil Cleanup Objectives (SCOs) for restricted residential use.

An elevated photoionization detector (PID) reading and a petroleum-like odor were detected in boring SB-2 at approximately 10.5-14.5 feet below the building's floor slab. A slight petroleum-like odor and an elevated PID reading were noted in boring SB-1 at a depth of approximately 4.5 feet, but the sample recovery was poor and consisted mainly of gravel and concrete; a sufficient amount of soil could not be collected for laboratory analysis. Laboratory analysis detected nine

VOCs exceeding their respective TAGM RSCOs in sample SB-2 (12-14'). This sample had elevated VOC reportable detection limits (RDL) due to sample dilution for analysis. As a result, fifteen VOCs had detection limits above their respective TAGM RSCOs, therefore, additional VOCs may be present in the sample that could not be reported above TAGM RSCOs. Only one VOC (1,2,4-trimethylbenzene) exceeded its Part 375 SCO in soil sample SB-2 (12'-14'). Trace levels of several VOCs were detected in samples SB-2 (0-2'), SB-3 (0-2') and SB-5 (5-7'). Based on field observations and the elevated levels of VOCs and low levels of SVOCs detected in sample SB-2 (12-14'), the elevated VOC levels in this sample did not appear to originate from an on-site petroleum spill, which would have resulted in elevated VOC and/or SVOC levels in the overlying soil. The elevated concentrations of VOCs in SB-2 (12-14') were possibly attributable to an off-site spill that migrated on-site.

Twelve SVOCs, mainly polycyclic aromatic hydrocarbons (PAHs), were detected in five of the soil samples. Six common PAHs exceeded their respective TAGM RSCOs in four of the soil samples. All of these PAHs, except phenanthrene, also exceeded their respective Part 375 SCOs in sample SB-3 (0-2'), which had a total PAH concentration of 282 parts per million (ppm). All of the soil samples had elevated SVOC reportable detection limits (RDL) due to sample dilutions for analysis. As a result, 33 SVOCs had detection limits above their respective TAGM RSCOs. Thus, additional SVOCs were noted to be potentially present in these samples above TAGM RSCOs. In addition, the RDL for the nine SVOCs were above their respective Part 375 SCOs. Based on the nature and distribution of the compounds detected and field observations, the elevated levels of SVOCs were attributed to the presence of urban fill beneath the site. In some of the borings, the fill was noted to include ash, which contains high levels of PAHs.

Lead exceeded its SCO in sample SB-3 (0-2'), and mercury slightly exceeded its SCO in two soil samples [SB-2 (0-2') and SB-3 (0-2')]. Other metals were present in the soil samples at concentrations below their respective SCOs. Based on the type and distribution of the identified metals concentrations, the metals may be attributable to the historical uses of the site as a railway power station and a railway car house and repair shop, and/or to urban fill. No PCBs or pesticides were detected in any of the soil samples.

Groundwater was encountered at approximately 13 feet below grade in boring SB-2. However, this boring encountered refusal on apparent bedrock at approximately 14 feet, and a groundwater sample could not be collected. Based on the shallow depth of refusal in the remaining borings and that groundwater was not encountered in any other boring, it appears that this water is perched above the bedrock, and that there is no surficial groundwater at the site. Based on the depth of the detected contamination (8 to 10 feet below the planned excavation depth for the proposed development), it was not anticipated that this contamination would affect the proposed development. Due to the detection of VOCs in the deep soil sample [SB-2 (12-14') in the southern portion of the site], it was recommended to include a vapor barrier in the building's design to alleviate the possibility of vapor intrusion into the building.

3.3 Hazard Evaluation

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

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

This CHASP addresses potential environmental hazards from the presence of hazardous materials. It is not intended to address the normal hazards of construction work, which are separately covered by OSHA regulations and/or local and state construction codes and regulations. Although some of the chemicals of concern listed in the sections below were not detected during the Phase II study conducted, they are included here as a precaution.

3.3.1 Hazards of Concern

Check all that apply		
(x) Organic Chemicals	(x) Inorganic Chemicals	( ) Radiological
( ) Biological	( ) Explosive/Flammable	( ) Oxygen Deficient Atm.
(x) Heat Stress	( ) Cold Stress	( ) Other
Comments: No personnel are permitted to enter permit confined spaces		

3.3.2 Physical Characteristics

Check all that apply		
(x) Liquid	(x) Solid	( ) Sludge
(x) Vapors	(x) Unknown	( ) Other
Comments:		

3.3.3 Hazardous Materials

Check all that apply					
Chemicals	**Solids**	**Sludges**	**Solvents**	**Oils**	**Other**
( ) Acids	( ) Ash	( ) Paints	( ) Halogens	( ) Transformer	( ) Lab
( ) Caustics	( ) Asbestos	( ) Metals	(x) Petroleum	( ) Other DF	( ) Pharm.
( ) Pesticides	( ) Tailings	( ) POTW	( ) Other	(x) Motor or Hydraulic Oil	( ) Hospital
(x) Petroleum	(x) Other: Fill Material	( ) Other – Tars & Other NAPL		(x) Gasoline	( ) Rad.
( ) Inks				(x) Fuel Oil	( ) MGP
( ) PCBs					( ) Mold
(x) Metals					( ) Cyanide
(x) Other: VOCs & SVOCs					

3.3.4 Chemicals of Concern

Chemicals	REL/PEL/STEL (ppm)	Health Hazards
Benzene	REL = 0.1 ppm PEL = 1 ppm STEL = 5 ppm	Irritation eyes, skin, nose, respiratory system; dizziness; headache, nausea, staggered gait; anorexia, lassitude, dermatitis; bone marrow depression, potential occupational carcinogen.
Xylenes	REL = 100 ppm PEL = 100 ppm	Irritation eyes, skin, nose, throat; dizziness, excitement, drowsiness, uncoordination, staggering gait; corneal vacuolization; anorexia, nausea, vomiting, abdominal pain; dermatitis
Ethylbenzene	REL = 100 ppm PEL = 100 ppm	Irritation eyes, skin, mucous membrane; headache; dermatitis; narcosis, coma.
Naphthalene	REL = 10 ppm PEL = 10 ppm	Irritation eyes; headache, confusion, excitement, malaise; nausea, vomiting, abdominal pain; irritation bladder; profuse sweating; jaundice; hematuria (blood in the urine), renal shutdown; dermatitis, optical neuritis, corneal damage
Polycyclic Aromatic Hydrocarbons (PAHs)	REL = 0.1 mg/m^3 PEL = 0.2 mg/m^3	Irritation skin, body fluids; reduced ability to fight disease; birth defects; carcinogen
Lead	REL= 0.1 mg/m^3 PEL= 0.05 mg/m^3	Weak, lassitude, insomnia; facial pallor, pale eye, anorexia, low-weight, malnutrition, constipation, abdominal pain, colic; anemia; gingival lead line; tremors, paralysis wrists and ankles; encephalopathy; kidney disease; irritation eyes; hypotension.
Particulate	PEL = 15 mg/m^3 (total) PEL = 5 mg/m^3 (respirable)	Irritation eyes, skin, throat, upper respiratory system
Comments: REL = NIOSH Recommended Exposure Limit PEL = OSHA Permissible Exposure Limit STEL = OSHA Short Term Exposure Limit mg/m^3 = milligrams per cubic meter ppm = parts per million		

4.0 HEALTH AND SAFETY OFFICER

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

5.0 TRAINING

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

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

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

6.0 GENERAL WORK PRACTICES

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

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

7.0 PERSONAL PROTECTIVE EQUIPMENT & AIR MONITORING

7.1 Personal Protective Equipment

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

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

Level of Protection Summary

LEVEL OF PROTECTION & PPE		**1 – Excavation**	**2 – Other Earth Moving Activities**
Level D (x) Steel Toe Shoes (x) Hard Hat **(within 25 ft of excavator)** (x) Work Gloves	(x) Safety Glasses ( ) Face Shield (x) Ear Plugs (within 25 ft of drill rig/excavator) (x) Latex Gloves	Yes	Yes
Level D – Modified ***(in addition to Level D)*** (x) Tyvek Coveralls	(x) Nitrile Gloves ( ) Overboots ( ) Saranex Coveralls	As necessary	As necessary
Level C *(in addition to Level D – Modified)* ( ) Half-Face Respirator (x) Full Face Respirator ( ) Full-Face PAPR	( ) Particulate Cartridge ( ) Organic Cartridge (x) Dual Organic/ Particulate Cartridge	If PID > 10 ppm (breathing zone)	If PID > 10 ppm (breathing zone)
Comments: Cartridges to be changed out at least once per shift unless warranted beforehand (e.g., more difficult to breath or any odors detected).			

7.2 Work Zone Air Monitoring

Real time air monitoring will be performed with a photoionization detector (PID) during sampling and excavation work at areas where petroleum or other volatile organic compounds are detected. Monitoring with a particulate air monitor will be conducted during excavation and other earth moving activities. Measurements would be taken prior to commencement of work and continuously during the work as outlined in the following table. Measurements will be made as close to the workers as practicable and at the breathing height of the workers. The SSO will set up the equipment and confirm that it is working properly. His/her designee may oversee the air measurements during the day. The initial measurement for the day will be performed before the start of work and will establish the background level for that day. The final measurement for the day will be performed after the end of work. The action levels and required responses are listed in the following table:

Action Levels and Required Safety Response Actions

Instrument	Task to be Monitored	Action Level	Response Action
PID (OVM 580B or equivalent)	All tasks	Less than 10 ppm in breathing zone.	Level D or D-Modified
		Between 10 and 500 ppm	Level C
		More than 500 ppm	Stop work. Resume work when readings are less than 500 ppm.
Particulate monitor (DustTrak 8520 Aerosol Monitor or equivalent)	All tasks	Less than 5 mg/m^3	Level D
		Between 5 mg/m^3 and 125 mg/m^3	Level C. Apply dust suppression measures. If < 2.5 mg/m^3, resume work using Level D. Otherwise, use Level C.
		Above 125 mg/m^3	Stop work. Apply additional dust suppression measures. Resume work when less than 125 mg/m^3.

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

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

8.0 DECONTAMINATION PROCEDURES

8.1 Personnel Decontamination

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

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

- Field wash of hands and face.

8.2 Sampling Equipment Decontamination

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

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

8.3 Heavy Equipment Decontamination

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

9.0 EMERGENCY RESPONSE

9.1 Emergency Procedures

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

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

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

9.1.1 Chemical Exposure

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

- Another team member (buddy) should remove the individual from the immediate area of contamination. The buddy should communicate to the SSO (via voice and hand signals) of the chemical exposure. The SSO should contact the appropriate emergency response agency.
- Precautions should be taken to avoid exposure of other individuals to the chemical.
- If the chemical is on the individual's clothing, the chemical should be neutralized or removed if it is safe to do so.

- If the chemical has contacted the skin, the skin should be washed with copious amounts of water.
- In case of eye contact, an emergency eye wash should be used. Eyes should be washed for at least 15 minutes.
- All chemical exposure incidents must be reported in writing to the AKRF Health and Safety Officer. The SSO is responsible for completing the Incident Report Form.

9.1.2 Personal Injury

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

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

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

9.1.3 Evacuation Procedures

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

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

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

9.1.5 Spill Response

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

9.2 Hospital Directions

The location of the nearest hospital, as shown on Figure 1, is Harlem Hospital Center. The address of the hospital is 506 Lenox Avenue New York, NY (New York). The hospital entrance is on the left (north) side of West 135th Street, between Lenox Avenue and Fifth Avenue.

Hospital Information and Directions

Hospital Name:	Harlem Hospital Center
Phone Number:	(212) 434-2000
Address/Location:	506 Lenox Avenue, New York, NY 10037 intersection of West 135th Street
Directions:	From site, go EAST on **West 129th Street** toward **Convent Avenue** Turn RIGHT onto **Convent Avenue** **Convent Avenue** becomes **Morningside Avenue** Turn LEFT onto **West 125th Street / Dr. Martin Luther King Jr. Boulevard** Turn LEFT onto **Lenox Avenue** Turn RIGHT on **West 135th Street**. **The hospital entrance is on the left (north) side of West 135th Street, between Lenox Avenue and Fifth Avenue.**

9.3 CHASP Contact Information

AKRF Project Manager – Axel Schwendt ..... (646) 388-9529 (office)

Site Safety Officer (SSO) – Asya Kleyn ..... (917) 617-0921(cell)

Client Project Manager – Michael Faust ..... (212) 477-3057 (office)

Harlem Hospital Emergency ..... (212) 434-2000

Ambulance, Fire and Police Departments 911

Local Poison Control ..... (212) 764-7667 or (212) 340-4494(pm/weekend)
NYSDEC Spill Response Team ..... (800) 457-7362

NYCDEP Hotline ..... (718) DEP-HELP

10.0 APPROVAL & ACKNOWLEDGMENTS OF CHASP

APPROVAL

Signed: _____ Date: _____

Project Manager

Signed: _____ Date: _____

Health and Safety Officer

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

AFFIDAVIT

I,_____(name), of_____(company name), have read the Construction Health and Safety Plan (CHASP) for the 487 West 129th Street property in the New York, New York site. I agree to conduct all on-site work in accordance with the requirements set forth in this HASP and understand that failure to comply with this HASP could lead to my removal from the site.

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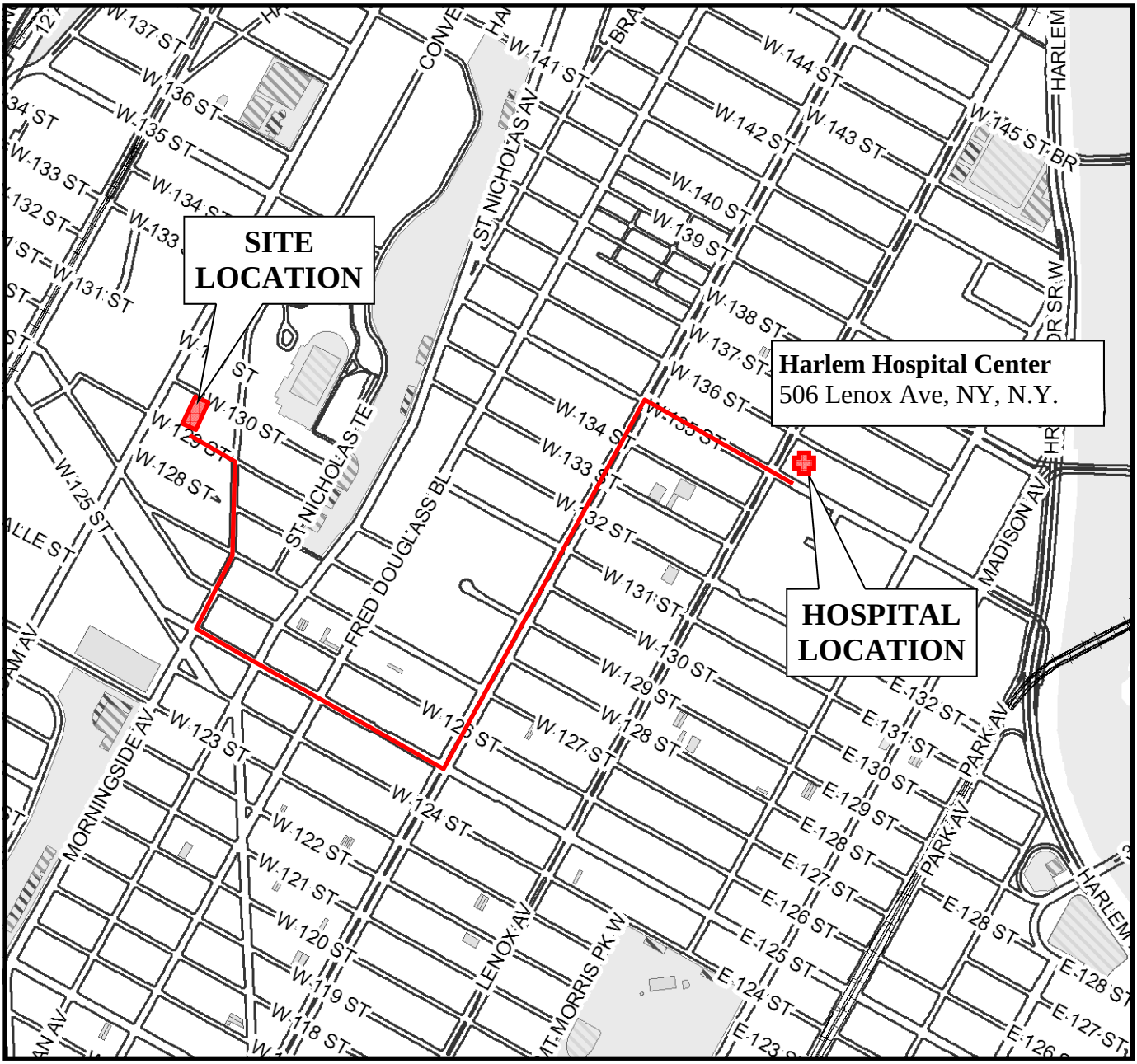
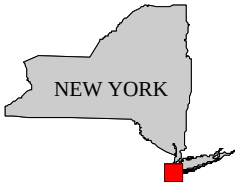
FIGURES





SCALE IN FEET

0’ 500’ 1000’ 2000’

SCALE: 1”=1000’

N

487 WEST 129th STREET
NEW YORK, NEW YORK

HOSPITAL LOCATION MAP

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

DATE **03.05.08**
PROJECT No. **10825**
SCALE **AS SHOWN**
FIGURE **1**

© 2008 AKRF, Inc. Environmental Consultants M:\AKRF Project Files\10825 - 487 W 129th St EAS (Inner City Contracting)\Phase II Work Plan\Figures\10825 Hosp loc map.pub

APPENDIX A

POTENTIAL HEALTH EFFECTS FROM ON-SITE CONTAMINANTS

ATSDR
AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY

BENZENE
CAS # 71-43-2

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

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

What is benzene?

(Pronounced bĕn′zēn′)

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

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

What happens to benzene when it enters the environment?

- Industrial processes are the main source of benzene in the environment.
- Benzene can pass into the air from water and soil.
- It reacts with other chemicals in the air and breaks down within a few days.
- Benzene in the air can attach to rain or snow and be carried back down to the ground.
- It breaks down more slowly in water and soil, and can pass through the soil into underground water.
- Benzene does not build up in plants or animals.

How might I be exposed to benzene?

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

How can benzene affect my health?

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

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

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

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

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

How likely is benzene to cause cancer?

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

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

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

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

Has the federal government made recommendations to protect human health?

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

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

Glossary

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

Carcinogen: A substance with the ability to cause cancer.

CAS: Chemical Abstracts Service.

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

Metabolites: Breakdown products of chemicals.

Milligram (mg): One thousandth of a gram.

Pesticide: A substance that kills pests.

References

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

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

ATSDR
AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY

ETHYLBENZENE
CAS # 100-41-4

Agency for Toxic Substances and Disease Registry ToxFAQs **June 1999**

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

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

What is ethylbenzene?

(Pronounced ĕth′ əl bĕn′ zēn′)

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

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

What happens to ethylbenzene when it enters the environment?

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

How might I be exposed to ethylbenzene?

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

How can ethylbenzene affect my health?

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

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

How likely is ethylbenzene to cause cancer?

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

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

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

How can ethylbenzene affect children?

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

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

How can families reduce the risk of exposure to ethylbenzene?

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

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

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

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

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

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

Has the federal government made recommendations to protect human health?

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

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

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

References

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

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

ATSDR
AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY

LEAD
CAS # 7439-92-1

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

HIGHLIGHTS: Exposure to lead can happen from breathing workplace air or dust, eating contaminated foods, or drinking contaminated water. Children can be exposed from eating lead-based paint chips or playing in contaminated soil. Lead can damage the nervous system, kidneys, and reproductive system. Lead has been found in at least 1,026 of 1,467 National Priorities List sites identified by the Environmental Protection Agency (EPA).

What is lead?

(Pronounced lĕd)

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

Lead has many different uses. It is used in the production of batteries, ammunition, metal products (solder and pipes), and devices to shield X-rays.

Because of health concerns, lead from gasoline, paints and ceramic products, caulking, and pipe solder has been dramatically reduced in recent years.

What happens to lead when it enters the environment?

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

How might I be exposed to lead?

- Eating food or drinking water that contains lead.
- Spending time in areas where lead-based paints have been used and are deteriorating.
- Working in a job where lead is used.
- Using health-care products or folk remedies that contain lead.
- Engaging in certain hobbies in which lead is used (for example, stained glass).

How can lead affect my health?

Lead can affect almost every organ and system in your body. The most sensitive is the central nervous system, particularly in children. Lead also damages kidneys and the reproductive system. The effects are the same whether it is breathed or swallowed.

At high levels, lead may decrease reaction time, cause weakness in fingers, wrists, or ankles, and possibly affect the memory. Lead may cause anemia, a disorder of the blood. It can also damage the male reproductive system. The connection between these effects and exposure to low levels of lead is uncertain.

How likely is lead to cause cancer?

The Department of Health and Human Services has determined that lead acetate and lead phosphate may reasonably

be anticipated to be carcinogens based on studies in animals. There is inadequate evidence to clearly determine lead's carcinogenicity in people.

How can lead affect children?

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

Children are more vulnerable to lead poisoning than adults. A child who swallows large amounts of lead may develop blood anemia, severe stomachache, muscle weakness, and brain damage. A large amount of lead might get into a child's body if the child ate small pieces of old paint that contained large amounts of lead. If a child swallows smaller amounts of lead, much less severe effects on blood and brain function may occur. Even at much lower levels of exposure, lead can affect a child's mental and physical growth.

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

How can families reduce the risk of exposure to lead?

Avoid exposure to sources of lead. Do not allow children to chew or mouth painted surfaces that may have been painted with lead-based paint (homes built before 1978). Run your water for 15 to 30 seconds before drinking or cooking with it. This will get rid of lead that may have leached out of pipes. Some types of paints and pigments that are used as make-up or hair coloring contain lead. Keep these kinds of products away from children. Wash children's hands and faces often to remove lead dusts and soil, and regularly clean the house of dust and tracked in soil.

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

A blood test is available to measure the amount of lead in your blood and to estimate the amount of your exposure to lead. Blood tests are commonly used to screen children for lead poisoning. Lead in teeth and bones can be measured with X-rays, but this test is not as readily available. Medical treatment may be necessary in children if the lead concentration in blood is higher than 45 micrograms per deciliter (45 µg/dL).

Has the federal government made recommendations to protect human health?

The Centers for Disease Control and Prevention (CDC) recommends that children ages 1 and 2 be screened for lead poisoning. Children who are 3 to 6 years old should be tested for lead if they have never been tested for lead before and if they receive services from public assistance programs; if they live in or regularly visit a building built before 1950; if they live in or visit a home built before 1978 that is being remodeled; or if they have a brother, sister, or playmate who has had lead poisoning. CDC considers children to have an elevated level of lead if the amount in the blood is 10 µg/dL.

The EPA requires lead in air not to exceed 1.5 micrograms per cubic meter (1.5 $\mu g/m^3$) averaged over 3 months. EPA limits lead in drinking water to 15 µg per liter.

The Occupational Health and Safety Administration (OSHA) develops regulations for workers exposed to lead. The Clean Air Act Amendments of 1990 banned the sale of leaded gasoline. The Federal Hazardous Substance Act bans children's products that contain hazardous amounts of lead.

References

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

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

ATSDR
AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY

NAPHTHALENE
CAS # 91-20-3

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

SUMMARY: Exposure to naphthalene happens mostly from breathing air contaminated from the burning of wood or fossil fuels, industrial discharges, tobacco smoke, or moth repellents. Exposure to large amounts of naphthalene may damage or destroy some of your red blood cells. Naphthalene has been found in at least 536 of the 1,430 National Priorities List sites identified by the Environmental Protection Agency (EPA).

What is naphthalene?

(Pronounced năfʹthə-lēnʹ)

Naphthalene is a white solid that is found naturally in fossil fuels. Burning tobacco or wood produces naphthalene. It has a strong, but not unpleasant smell.

The major products made from naphthalene are moth repellents. It is also used for making dyes, resins, leather, tanning agents, and the insecticide, carbaryl.

What happens to naphthalene when it enters the environment?

- Naphthalene enters the environment from industrial uses, and from its use as a moth repellent.
- It also enters from the burning of wood or tobacco, and from accidental spills.
- Naphthalene evaporates easily.
- In air, moisture and sunlight break it down, often within 1 day.
- Naphthalene in water is destroyed by bacteria or evaporates into the air.
- Naphthalene binds weakly to soils and sediment.
- It does not accumulate in animals or fish.
- If dairy cows are exposed to naphthalene, some of it will be in their milk.
- If laying hens are exposed, some of it will be in their eggs.

How might I be exposed to naphthalene?

- Breathing low levels in outdoor air.
- Breathing air contaminated from industrial discharges or from burning wood or fossil fuels.
- Breathing air in homes or businesses where cigarettes are smoked, wood is burned, or moth repellents are used.
- Drinking water from contaminated wells.
- Touching clothing, blankets, or coverlets that are treated with naphthalene.

How can naphthalene affect my health?

Exposure to large amounts of naphthalene may damage or destroy some of your red blood cells. This could cause you to have too few red blood cells until your body replaces the destroyed cells. People, particularly children, have developed this problem after eating naphthalene-containing mothballs or deodorant blocks. Some of the symptoms of this

problem are fatigue, lack of appetite, restlessness, and pale skin. Exposure to large amounts of naphthalene may also cause nausea, vomiting, diarrhea, blood in the urine, and a yellow color to the skin.

Animals sometimes develop cloudiness in their eyes after swallowing naphthalene. It is not clear if this also develops in people.

When mice were repeatedly exposed to naphthalene vapors for 2 years, their noses and lungs became inflamed and irritated.

How likely is naphthalene to cause cancer?

The Department of Health and Human Services (DHHS), the International Agency for Research on Cancer (IARC) and the EPA have not classified naphthalene as to its human carcinogenicity.

No studies are available in people. Naphthalene has caused cancer in studies in female mice, but not in male mice or in rats of either sex.

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

Tests are available that measure levels of naphthalene and its breakdown products in urine, stool, blood, or maternal milk. A small sample of your body fat can also be removed and analyzed for naphthalene. These tests are not routinely available in a doctor's office. However, a sample taken in a doctor's office can be sent to a special laboratory, if needed.

These tests cannot determine exactly how much naphthalene you were exposed to or predict whether harmful effects will occur.

Has the federal government made recommendations to protect human health?

The EPA recommends that children not drink water containing over 0.5 parts of naphthalene per million parts of water (0.5 ppm) for more than 10 days, or 0.4 ppm for longer than 7 years. Adults should not drink water with more than 1 ppm for more than 7 years. For water consumed over a lifetime, the EPA suggests it contain no more than 0.02 ppm naphthalene. The EPA requires that discharges or spills into the environment of 100 pounds or more be reported.

The Occupational Safety and Health Administration (OSHA) has set a limit of 10 parts per million (10 ppm) for the level of naphthalene in workplace air over an 8-hour workday, 40-hour workweek.

The National Institute for Occupational Safety and Health (NIOSH) considers more than 250 ppm of naphthalene in air to be immediately dangerous to life or health. This is the exposure level of a chemical that is likely to cause permanent health problems or death.

Glossary

Carcinogenicity: Ability of a substance to cause cancer.

CAS: Chemical Abstracts Service.

Insecticide: A substance that kills insects.

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

References

Agency for Toxic Substances and Disease Registry (ATSDR). 1995. Toxicological profile for naphthalene, 1-methylnaphthalene, and 2-methylnaphthalene (update). Atlanta, GA: U.S. Department of Health and Human Services, Public Health Services.

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

ATSDR
AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY

POLYCYCLIC AROMATIC HYDROCARBONS (PAHs)

Agency for Toxic Substances and Disease Registry ToxFAQs **September 1996**

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

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

What are polycyclic aromatic hydrocarbons?

(Pronounced pŏl′ĭ-sī′klĭk ăr′ə-măt′ĭk hī′drə-kar′bənz)

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

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

What happens to PAHs when they enter the environment?

- PAHs enter the air mostly as releases from volcanoes, forest fires, burning coal, and automobile exhaust.
- PAHs can occur in air attached to dust particles.
- Some PAH particles can readily evaporate into the air from soil or surface waters.
- PAHs can break down by reacting with sunlight and other chemicals in the air, over a period of days to weeks.
- PAHs enter water through discharges from industrial and wastewater treatment plants.
- Most PAHs do not dissolve easily in water. They stick to solid particles and settle to the bottoms of lakes or rivers.
- Microorganisms can break down PAHs in soil or water after a period of weeks to months.
- In soils, PAHs are most likely to stick tightly to particles; certain PAHs move through soil to contaminate underground water.
- PAH contents of plants and animals may be much higher than PAH contents of soil or water in which they live.

How might I be exposed to PAHs?

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

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

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

How can PAHs affect my health?

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

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

How likely are PAHs to cause cancer?

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

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

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

In the body, PAHs are changed into chemicals that can attach to substances within the body. There are special tests that can detect PAHs attached to these substances in body tissues or blood. However, these tests cannot tell whether any health effects will occur or find out the extent or source of your exposure to the PAHs. The tests aren't usually available in your doctor's office because special equipment is needed to conduct them.

Has the federal government made recommendations to protect human health?

The Occupational Safety and Health Administration (OSHA) has set a limit of 0.2 milligrams of PAHs per cubic meter of air (0.2 mg/m^3). The OSHA Permissible Exposure Limit (PEL) for mineral oil mist that contains PAHs is 5 mg/m^3 averaged over an 8-hour exposure period.

The National Institute for Occupational Safety and Health (NIOSH) recommends that the average workplace air levels for coal tar products not exceed 0.1 mg/m^3 for a 10-hour workday, within a 40-hour workweek. There are other limits for workplace exposure for things that contain PAHs, such as coal, coal tar, and mineral oil.

Glossary

Carcinogen: A substance that can cause cancer.

Ingest: Take food or drink into your body.

References

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

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

ATSDR
AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY

XYLENE
CAS # 1330-20-7

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

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

What is xylene?

(Pronounced zī′lēn)

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

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

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

What happens to xylene when it enters the environment?

- Xylene has been found in waste sites and landfills when discarded as used solvent, or in varnish, paint, or paint thinners.
- It evaporates quickly from the soil and surface water into the air.
- In the air, it is broken down by sunlight into other less harmful chemicals.
- It is broken down by microorganisms in soil and water.
- Only a small amount of it builds up in fish, shellfish, plants, and animals living in xylene-contaminated water.

How might I be exposed to xylene?

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

How can xylene affect my health?

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

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

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

How likely is xylene to cause cancer?

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

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

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

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

Has the federal government made recommendations to protect human health?

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

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

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

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

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

Glossary

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

Carcinogenic: Having the ability to cause cancer.

CAS: Chemical Abstracts Service.

ppm: Parts per million.

Solvent: A liquid that can dissolve other substances.

References

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

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

APPENDIX B

REPORT FORMS

WEEKLY SAFETY REPORT FORM

Week Ending: _____ Project Name/Number: _____

Report Date: _____ Project Manager Name: _____

Summary of any violations of procedures occurring that week:

_____

_____

_____

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

_____

_____

_____

_____

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

_____

_____

_____

Comments:

_____

_____

_____

Name: _____ Company: _____

Signature: _____ Title: _____

INCIDENT REPORT FORM

Date of Report: _____

Injured: _____

Employer: _____

Site: _____ Site Location: _____

Report Prepared By: _____ _____
Signature Title

ACCIDENT/INCIDENT CATEGORY (check all that applies)

___Injury	___ Illness	___ Near Miss
__ Property Damage	___ Fire	___ Chemical Exposure
__ On-site Equipment	___ Motor Vehicle	___ Electrical
__ Mechanical	___ Spill	___ Other

DATE AND TIME OF ACCIDENT/INCIDENT: Narrative report of Accident/Incident: Identify: 1) actions leading to or contributing to the accident/incident; 2) the accident/incident occurrence; and 3) actions following the accident/incident.

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

WITNESS TO ACCIDENT/INCIDENT:

Name:	_____	Company:	_____
Address:	_____	Address:	_____
Phone No.:	_____	Phone No.:	_____
Name:	_____	Company:	_____
Address:	_____	Address:	_____
Phone No.:	_____	Phone No.:	_____

INJURED - ILL:

Name: _____ SSN: _____

Address: _____ Age: _____

Length of Service: _____ Time on Present Job: _____

Time/Classification: _____

SEVERITY OF INJURY OR ILLNESS:

____ Disabling ___ Non-disabling ___ Fatality

____ Medical Treatment ___ First Aid Only

ESTIMATED NUMBER OF DAYS AWAY FROM JOB: _____

NATURE OF INJURY OR ILLNESS: _____

_____

_____

_____

CLASSIFICATION OF INJURY:

__ Abrasions _____ Dislocations ____ Punctures

__ Bites _____ Faint/Dizziness ____ Radiation Burns

__ Blisters _____ Fractures ____ Respiratory Allergy

__ Bruises _____ Frostbite ____ Sprains

__ Chemical Burns _____ Heat Burns ____ Toxic Resp. Exposure

__ Cold Exposure _____ Heat Exhaustion ____ Toxic Ingestion

__ Concussion _____ Heat Stroke ____ Dermal Allergy

__ Lacerations

Part of Body Affected: _____

Degree of Disability: _____

Date Medical Care was Received: _____

Where Medical Care was Received: _____

Address (if off-site): _____

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

PROPERTY DAMAGE:

Description of Damage: _____

_____

Cost of Damage: $ _____

ACCIDENT/INCIDENT LOCATION: _____

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

_____

_____

_____

_____

Was weather a factor?:_____

_____

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

_____

_____

_____

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

_____

_____

ON-SITE ACCIDENTS/INCIDENTS:

Level of personal protection equipment required in Site Safety Plan:

_____

_____

Modifications:

_____

Was injured using required equipment?:

_____

_____

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

_____

_____

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

_____

_____

_____

_____

_____

ACCIDENT/INCIDENT REPORT REVIEWED BY:

_____ _____

SSO Name Printed SSO Signature

OTHERS PARTICIPATING IN INVESTIGATION:

_____ _____

Signature Title

_____ _____

Signature Title

_____ _____

Signature Title

ACCIDENT/INCIDENT FOLLOW-UP: Date: _____

Outcome of accident/incident: _____

_____

_____

_____

Physician's recommendations: _____

_____

_____

_____

Date injured returned to work: _____

Follow-up performed by:

_____ _____

Signature Title

ATTACH ANY ADDITIONAL INFORMATION TO THIS FORM

APPENDIX C

EMERGENCY HAND SIGNALS

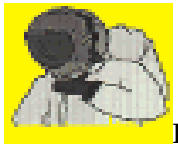
EMERGENCY SIGNALS

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

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

EMERGENCY HAND SIGNALS

OUT OF AIR, CAN'T BREATH!



Hand gripping throat

LEAVE AREA IMMEDIATELY, NO DEBATE!

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

NEED ASSISTANCE!

Hands on top of head

OKAY! – I'M ALL RIGHT!

- I UNDERSTAND!

Thumbs up

NO! - NEGATIVE!

Thumbs down

DEPARTMENT OF CITY PLANNING
CITY OF NEW YORK

ENVIRONMENTAL ASSESSMENT AND REVIEW DIVISION

Amanda M. Burden, A.I.C.P, *Director*
Department of City Planning

ENVIRONMENTAL ASSESSMENT AND REVIEW DIVISION
FACSIMILE TRANSMITTAL SHEET

TO: Lisa Lou

FAX #: 212-532-1726

RE: [redacted] 129th St.

FROM: Dev Dasbay

DATE: 5-27-09

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Robert Dobruskin, *Director*
James P. Merani, *Deputy Director*
22 Reade Street, New York, N.Y. 10007-1216 Room 4E (212) 720-3420
FAX (212) 720-3495
Rdobrus@planning.nyc.gov

Dobday

The City of New York

DEPARTMENT OF ENVIRONMENTAL PROTECTION
59-17 Junction Boulevard
Flushing, New York 11373

Emily Lloyd
Commissioner

Tel. (718) 595-6565
Fax (718) 595-3525
elloyd@dep.nyc.gov

Angela Licata
Deputy Commissioner

Bureau of Environmental Planning & Analysis

Tel. (718) 595-4398
Fax: (718) 595-4479
alicata@dep.nyc.gov

July 31, 2008

Robert Dobruskin
Director, Environmental Assessment and Review
New York City Department of City Planning
22 Reade Street, Room 4E
New York, NY 10007

DEPT OF CITY PLANNING
RECEIVED
2008 AUG -6 PM 3:00
ENVIRONMENTAL REVIEW DIV.

Re: West 129th Street Rezoning
Block 1969, Lots 1 - 6, 12, 19, 65, 66, 68, 78 - 81 & 104
07DCP076M/ 08DEPTECH069M

Dear Mr. Dobruskin:

The New York City Department of Environmental Protection Bureau of Environmental Planning and Analysis (DEP) has reviewed the May 2008 Remedial Action Plan (RAP) and site-specific Construction Health and Safety Plan (CHASP) prepared by AKRF for the above referenced project site. It is our understanding that the applicant is seeking to rezone Block 1969 from the existing manufacturing M1-1 and R7-2 zones to a R7A zone. The C1-4 overlay along Amsterdam Avenue would remain. The rezoning would permit development at a floor area ratio of 4.0 and would facilitate construction of a 9-story residential building with approximately 130 units and 63 accessory parking spaces on Lots 5 and 6. The project site is located in Manhattan Community District 10.

The RAP and CHASP are acceptable as long as the following comments and recommendations are incorporated into a final/revised RAP and CHASP.

- Clean fill text, page 10 of the RAP - Two (2) feet of certified clean fill/top soil must be imported from an approved facility/source and graded across all landscaped/grass covered areas of the site not capped with concrete/asphalt. The certified clean fill/top soil must be segregated at the source/facility, have qualified environmental personnel collect representative samples at a frequency of one (1) sample for every 250 cubic yards, analyze the samples for Target Compound List (TCL) volatile organic compounds, semi-volatile organic compounds, pesticides/PCBs and Target Analyte List (TAL) metals by a New York State Department of Health Environmental Laboratories Approval Program-certified laboratory, compare to New York State Department of Environmental Conservation Technical and Administrative Guidance Memorandum 4046 Recommended Soil Clean-up Objectives, and receive DEP written approval to use the clean fill/top soil. Upon receipt of DEPs written approval, the clean fill/top soil may be transported to the site for grading. The clean fill/top soil should not be comprised of any construction and demolition debris. A highly visible demarcation barrier

NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DEP
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DIAL 311 Government Information and Services for NYC

(i.e., orange plastic construction fence or equivalent) must be installed below the 2 foot certified clean fill/top soil cap;

- The vapor barrier must be 15-mil in thickness (not 10-mil as proposed). A specific vapor barrier manufacturer, type, sample, and chemical resistance information fact sheet(s) for the identified on-site contaminants must be included in the RAP;

- Upon completion of all DEP requested remedial requirements, a P.E.-certified Remedial Closure Report should be submitted to DEP. This report should demonstrate that all remedial activities have been properly implemented. At a minimum, the report should include all transportation manifests, soil disposal/recycling certificates, proof of importing and grading certified clean fill/top soil for all landscaped areas as well as all pre-approved soil analytical testing results for the imported fill/top soil, proof of vapor barrier installation beneath all slabs (including photographs), etc;

- The EAS should describe the remedial measures necessary to avoid significant adverse hazardous materials impacts consistent with the RAP and CHASP;

- Due to the identified site conditions and required remedial measures, a Restrictive Declaration that would be binding on the property's successors and assigns is necessary to prevent future exposure to either construction workers or future occupants. The Restrictive Declaration must be designed to restrict the manner in which the property may be developed or redeveloped, by requiring that additional testing or remediation measures, if required, serve as a condition precedent to any change of use or sub-surface excavation conducted as part of any future development or redevelopment of the property. The Restrictive Declaration should be drafted for review and approval by DEP prior to being executed and recorded.

Please include DEP tracking number 08DEPTECH069M on all future correspondence and submittals related to this project. If you have any questions, please contact me at (718) 595-4473.

Sincerely,

Terrell Estesen
Director, Office of City Project Review

cc: J. Wuthenow
D. Cole
T. Estesen
D. Doobay – DCP

Geotechnical Engineering Report
Proposed Apartment Towers
487 West 129th Street
New York, New York

Prepared For:

Inner City Contracting, LLC
161 Suffolk Street
New York, New York 10002

Prepared By:

Heller and Johnsen
Foot of Broad Street
Stratford, Connecticut 06615

File No. 76704
December, 2012

HELLER AND JOHNSEN

Geotechnical Engineering Consultants

December 10, 2012
File No. 76704

Inner City Contracting, LLC
161 Suffolk Street
New York, New York 10002

Attn.: Mr. Jonathon Feigenbaum

Re: 487 West 129th Street
Manhattan, New York

Dear Mr. Feigenbaum:

In accordance with our proposal of September 20, 2012, we have completed our geotechnical investigation for the proposed apartment towers in Manhattan, New York. The attached report, "Geotechnical Engineering Report, Proposed Apartment Towers, 487 West 129th Street, Manhattan, New York", summarizes our findings.

Please contact the undersigned if you have any questions.

Very truly yours,

Lawrence F. Johnsen, P.E.

Foot of Broad Street, Stratford, CT 06615 *203-380-8188* *Fax: 203-380-8198*

1.0 Introduction

1.1 General

This report presents the results of a subsurface investigation and geotechnical evaluation for two proposed apartment towers at 487 West 129th Street in Manhattan, New York. The project is located on the north side of 129th Street between Amsterdam and Convent Avenues. It extends from 129th Street to 130th Street.

1.2 Project Description

The proposed project consists of two eight story apartment towers over a three level parking garage that covers the full site. The lowest floor level will be elevation approximately 11.6 feet below the existing slab-on-grade.

The building will be constructed of precast plank on load bearing masonry. No structural loadings are available at this time. For the purposes of this report we are assuming an average load of 150 psf per floor, excluding the weight of a possible mat foundation.

1.3 Scope of Study

This study was conducted in accordance with our proposal of September 20, 2012. The study analyzes subsurface information to determine the physical properties and characteristics of subsurface materials and evaluates this information for the purpose of establishing geotechnical design criteria. Specifically, conclusions and recommendations are presented regarding the following:

1. Foundation type.
2. Groundwater.
3. Site seismic classification and potential for soil liquefaction.
4. Other subsurface conditions which may affect design or construction of the proposed structure.

This report has been prepared for the exclusive use of Inner City Contracting, LLC, for specific application to the proposed project in New York, New York, in accordance with generally accepted geotechnical engineering practices in this area. In the event that the nature, design or location of the proposed construction changes, the conclusions and recommendations in this report may no longer be valid.

2.0 Geotechnical Investigation

2.1 Test Borings

Between October 9 and 25, 2012, CMI Subsurface Investigations, Inc. took eight test borings at the locations shown on Figure 1. The test borings were logged and monitored by Michal Thomas, P.E. of Heller and Johnsen. Logs are provided in Appendix A. The test borings were located by taping from existing site features. No surface elevations were obtained. However all borings were taken from the existing slab-on-grade which is relatively flat.

Each test boring was advanced with 2-3/4 inch I.D. hollow-stem augers which provided a cased hole from which samples could be extracted. Samples were taken with a 1-3/8 inch I.D. split-spoon sampler driven (normally) 24 inches into the ground with a 140 lb. hammer falling 30 inches. Blows per 6 inches on the sampler were recorded. The foregoing constitutes a standard penetration test from which relative density and other soil characteristics can be estimated. A donut hammer was used for the SPT testing. Donut hammers typically transmit about 45% of theoretical energy compared with 60% for safety hammers. Additionally, the driller reduced the drop height from the standard 30 inches to 24 inches on some of the tests. Therefore, the energy correction factor is in the range of 0.6 to 0.75.

Bedrock was cored in test boring HJ-1 through HJ-4 with an NX core barrel and diamond bit. Recovery, coring time, and RQD (Rock Quality Designation) for the core run are recorded on the appended logs. RQD is determined by measuring the total length of pieces of core 4 inches or greater and dividing by the length of the run, expressed as a percentage. Core fractures that can be attributed to the drilling operation are not considered as fractures in determining RQD.

2.2 Water Level Readings

Monitor wells were installed in HJ-3 and HJ-4. Water level readings were measured by the driller at the times recorded on the boring logs. It should be noted that future water level readings may vary due to tidal, seasonal and climatic fluctuations, storm events and stabilization time.

2.3 Laboratory Testing

Six water content determinations were performed on soil samples obtained from the test borings. Results are provided in Appendix B.

3.0 Site and Subsurface Conditions

3.1 Site

The site is covered by a warehouse that dates to at least 1902 based on available Sanborn maps. Its usage has been identified as the Metropolitan Street Railway Company (Third Avenue Division) Power Station; Third Avenue Railway Company Car House Repair Shop (1912); Metropolitan Opera House Storage (1951, 1976, 1989, 2006).

The warehouse floor slab is at the sidewalk level along 129th Street, but is approximately 24 feet below 130th Street due to the steep rise in grades to the north in this area. The north wall of the warehouse is a brick wall that appears to bear on the retaining wall. The brick wall is offset about five feet from the retaining wall at sidewalk level.

3.2 Local Geology

The bedrock in this area consists of Manhattan schist. Early glaciers from the northeast cut the bedrock troughs oriented in the direction of the glacier's path. Later glacials came from the northwest and overrode the soils embedded in the troughs. As a result, the deeper soils are dense and highly overconsolidated.

3.3 Subsurface Conditions

The test borings provide a generalized subsurface profile consisting, in descending order, of: fill, glacial deposits which generally become finer with depth and bedrock.

The fills vary in depth from 5 to 10 feet. Several, but not all, of the test borings encountered concrete at depths of about ten feet. It is likely that these represent abandoned and filled in repair pits. As such they would be limited in size, surrounded by buried foundation walls.

The glacial soils consist of dense sands and gravels to depths of 20 to 25 feet, overlying fine sand and then silt. The silts were encountered primarily in the southeastern portion of the site at depths of 40 to 50 feet. The high "N" values and local geology suggest that the silts are highly overconsolidated.

Water levels were measured at depths of 24.3 to 25.0 feet in monitor wells installed in test borings HJ-3 and HJ-4.

4.0 Evaluation

4.1 Foundations

Based on an average load of 150 psf per floor for a concrete framed building, and a 3 foot thick mat foundation, the average load will be 2100 psf. The lowest floor will extend 11.5 feet below the current slab-on-grade. Therefore, the bottom of the mat foundation will extend 14.5 feet below grade. Based on the 8 test borings, the excavation for the mat will extend through all of the existing fill materials.

The weight of the excavated materials will be on the order of 1750 psf. While this is less than the anticipated building weight, the underlying soils will act in recompression because of the glacial loadings.

The thickness of compressible soils between the bottom of the mat and the top of weathered bedrock or boulders overlying bedrock varies from 15 to 40 feet, increasing in a southerly direction. The more compressible of the soils are the silts penetrated in the southern portion of the building. The less compressible materials are the sands and gravelly sands. This will result in greater settlements in the southern portion of the site.

The differential settlement may be better dealt with by constructing separate mat foundations for the two towers. In this case, settlement of the northern tower would be in the range of ¼ to ½ inch, and the southern tower would be in the range of ½ to 1-¼ inches. The structural design of the mat foundations will require subgrade moduli, which will vary across the site because of the differential settlement. Once a structural engineer is selected, and we are able to discuss the soil structure interaction issues, we will develop and provide appropriate subgrade moduli for the proposed building.

Spread footing foundations are suitable for the section of the garage located between the two towers. Spread footings bearing on dense sand may be proportioned on the basis of an allowable bearing pressure of 4 tsf. Settlements for this section of the garage are expected to be in the range of ½ to 1 inch.

Groundwater is not expected to be a major problem for the excavation since measured water levels in the two wells were deeper than 24 feet.

4.2 Underdrainage System

An underdrainage system is recommended for the parking garage. Its purpose is to protect the garage from flooding in the case of an extreme event. It will also allow the mat foundations and foundation walls to be designed without hydrostatic pressure or waterproofing, and allow the

division of the mat foundation to accommodate differential settlement between the two towers.

4.3 Lateral Earth Pressures

All backfill placed behind foundation walls must consist of free-draining granular materials. The on-site granular fills, which will be excavated during construction, contain silt and foreign materials and are unsuitable for this use. In areas where foundation walls are cast against shoring or underpinning, vertical drainage boards should be provided. Their locations will depend in part on the type of shoring used.

Design basement walls as restrained walls. Use an equivalent fluid pressure of 55 psf per foot of depth plus a uniform pressure equal to one half of any surcharge. The lateral pressure from surcharges should be taken as a uniform pressure equal to one half the vertical surcharge pressure. All values of lateral earth pressure are based on a free-draining backfill being used and footing drains installed. The on-site soils are not suitable for reuse as free-draining backfill. For cast-in-place concrete and masonry walls, a friction factor of 0.5 can be used to determine the sliding resistance at the base.

4.4 Seismic Considerations

The on-site soils were determined to be not susceptible to liquefaction during the IBC design earthquake.

In accordance with NYCBC 2008, the site may be classified as Site Class D. The NYCBC provides MCE Spectral Accelerations of S_s=0.071 and S_1=0.365 for New York City.

4.5 Underpinning and Lateral Earth Support

At this time, the design and location of the north wall of the structure has not been finalized. A stone and mortar gravity retaining wall provides lateral support to the sidewalk along 130th Street and supports a differential soil height of 24 feet. The existing north wall of the warehouse consists of a brick wall located approximately five feet south of the sidewalk along 130th Street. It is assumed that the brick wall is bearing on the footing for the stone and mortar retaining wall. We understand that the new north wall will be designed in a manner which allows the retaining wall to remain in place, and minimize the underpinning and shoring requirements necessary to maintain the stability of the retaining wall. Test pits should be taken to determine the vertical and lateral extents of the retaining wall footing once the design of the new north wall is better understood.

The south wall of the parking garage will be adjacent to the sidewalk along 129th Street. It is expected that an H-pile and lagging earth support system can be installed in the sidewalk to allow excavation for the one level below grade.

The east wall will be adjacent to an existing building that does not have a basement. The lowest floor of that building matches the floor elevation of the warehouse. The foundations of the adjacent building must be underpinned prior to excavating for the parking garage. Approach pit underpinning is probably the most economical.

The west wall will be inside the existing warehouse but will abut a masonry wall that was added recently to sub-divide the warehouse. The wall and the portion of the warehouse to its west is owned by the Metropolitan Opera. Available foundation plans show that the concrete block wall is supported on a 2 ft wide footing that extends 18" below the bottom of the slab. The masonry wall is in line with the back side of a row of columns that pre-dated the construction of the wall. These columns are supported on stone piers and footings of unknown depth. The wall and column footings must be underpinned. Approach pit underpinning is probably the most economical.

5.0 Summary

Based on our review of available subsurface data, we offer the following conclusions and recommendations:

1. The existing fill is not suitable for support of foundations or slabs-on-grade. If any of these materials remain after the excavation for the mat foundation, these materials must be removed.

2. Support the structure on a combination of spread footings for the area between the towers and mat foundations for each tower. Anticipated maximum settlements are estimated at approximately ¾ inch.

3. A permanent underdrainage system is recommended beneath the mat foundation. It would consist of a network of perforated pipes placed in a layer of crushed stone that is underlain by filter fabric. The pipes would lead to a sump. It is anticipated that the system will be low flow levels if any except for extreme events.

4. Refer to Section 4.4 for lateral earth pressures and design of foundation and retaining walls.

5. Underpinning and shoring requirements for each side of the excavation are discussed in Section 4.5. Test pits should be taken prior to construction along the east, west and north sides of the project. The project specifications should require the contractor to engage a Professional Engineer licensed in New York State to design the underpinning and shoring.

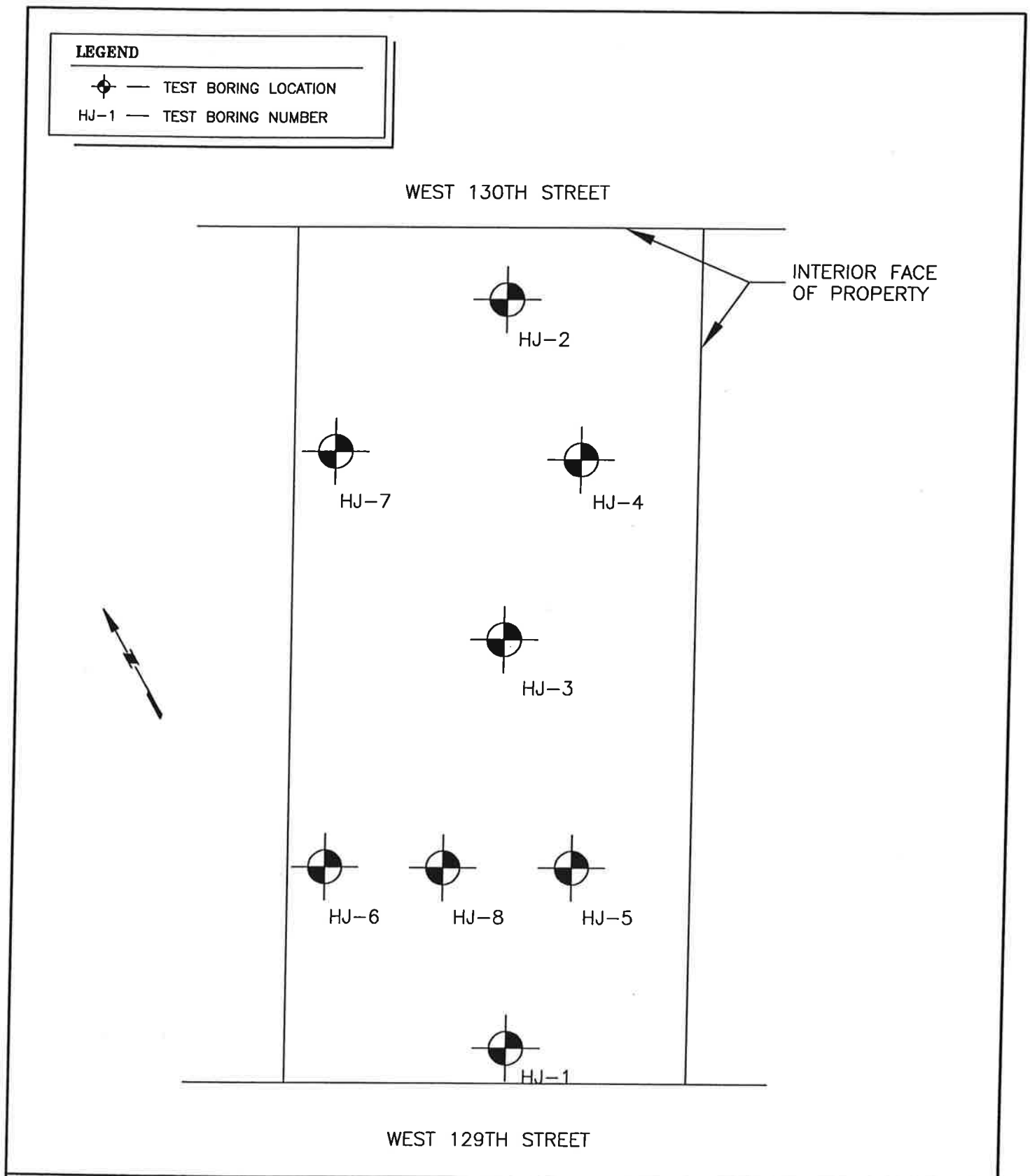
6. The on-site soils were determined to be not susceptible to liquefaction during the NYC Building Code design earthquake.

7. In accordance with the 2008 NYC Building Code, the site may be classified as Site Class D. The Code provides MCE Spectral Accelerations of S_s=0.071g and S_1=0.365g.

8. Provide Heller and Johnsen with an opportunity to review final plans and specifications prior to bidding to determine that our geotechnical recommendations have been properly interpreted and implemented.

9. Engage a geotechnical engineer to provide field monitoring services for the foundation and earthwork phases of construction and to make on site design modifications in the event unexpected conditions are encountered.

FIGURE 1



HELLER AND JOHNSEN
Geotechnical Engineering Consultants
Foot of Broad Street, Stratford, CT 06615
(203) 380-8188 Fax: (203) 380-8198

DESIGNED BY: LFJ
CHECKED BY: MDT
DRAWN BY: MDT
SCALE: 1"=30'
DATE: DEC. 10, 2012

487 WEST 129TH STREET
MANHATTAN, NEW YORK

TEST BORING LOCATION PLAN

PROJECT No. 76704

FIGURE No. 1

APPENDIX A

HELLER AND JOHNSEN
FOOT OF BROAD STREET
STRATFORD, CONNECTICUT 06615

TEST BORING REPORT

BORING NO. HJ-1

PROJECT 487 West 129th Street
LOCATION Harlem, New York
CLIENT Inner City Contracting, LLC
CONTRACTOR CMI Subsurface Investigations, Inc.

GROUNDWATER READINGS		
DATE	TIME	DEPTH
10/9/12 water added by driller prior to reaching groundwater table		

FILE NO. 76704
SHEET NO. 1 OF 3
LOCATION SEE PLAN
ELEVATION
DATUM
DATE 10/9/12 TO 10/11/12
START 1020 FINISH 0900
DRILLER Nick Moretti
H&J REP Michal D. Thomas, P.E.

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	FJ	SS	NX
INSIDE DIAMETER (IN)	4	1-3/8	2
HAMMER WEIGHT (LB)	--	140	
HAMMER FALL (IN)	--	30	

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE Mobile B-61
BIT TYPE Tri Cone Roller Bit
DRILL HEAD
HAMMER TYPE Donut Hammer with Cathead and Rope

DEPTH	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE TYPE NO. & REC.	SAMPLE DEPTH (FT)	VISUAL DESCRIPTION AND REMARKS	ELEV./ DEPTH (FT)	STRATUM DESCRIPTION
0							CONCRETE SLAB
		2	SS1 3"	1.0	Very loose, brown, black, red, fine to coarse SAND, little Brick, little Silt (Fill, SW, Class 7).	0.5'	
		1		3.0			
		3					
		6					
		16	SS2 6"	3.0	Red, black, brown, grey, Brick, some Asphalt, some Concrete, some fine to coarse Sand, trace Silt (Fill, SW, Class 7).		
		50/0"		3.5			
5							SAND (FILL)
		19	SS3 5"	5.0	Red, BRICK, little fine to coarse Sand, trace Silt (Fill, SW, Class 7).		
		50/1"		5.6			
		100/4"	SS4 4"	7.0	Red, BRICK (Fill, SW, Class 7).		
				7.3			
		7 min.	C1 12"	9.0	Top 5": CONCRETE.	9.0'	CONCRETE SLAB
10				14.0	Middle 4": Orange/brown, SILT, some fine to medium Sand, little fine to coarse Gravel (Fill, ML, Class 7).	10.0'	
		0.25 min.			Bottom 3": Stiff, Mottled CLAY (CL, Class 4b).		SANDY SILT (FILL)
		0.25 min.					
		0.25 min.					CLAY
		0.25 min.					
15		14	SS5 7"	15.0	Very dense, brown, fine to coarse SAND, some Silt, trace fine to coarse Gravel (SM, Class 3a).	15.0'	
		58		16.1			
		50/1"					
20		67	SS6 8"	20.0	Top 6": Grey, brown, fine to coarse GRAVEL, some fine to coarse Sand, little Silt (GW, Class 2a).		
		92		21.2			
		50/2"			Bottom 2": Purple, fine to medium SAND, some fine to coarse Gravel, trace Silt (SW, Class 3a).		SILTY SAND
25		14	SS7 6"	25.0	Dense, reddish brown, fine to medium SAND, little Silt (SM, Class 3a).		
		18		27.0			
		19					
		22					

HELLER AND JOHNSEN
FOOT OF BROAD STREET
STRATFORD, CONNECTICUT 06615

TEST BORING REPORT

BORING NO. HJ-1

PROJECT 487 West 129th Street
LOCATION Harlem, New York
CLIENT Inner City Contracting, LLC
CONTRACTOR CMI Subsurface Investigations, Inc.

GROUNDWATER READINGS		
DATE	TIME	DEPTH
10/9/12 water added by driller prior to reaching groundwater table		

FILE NO. 76704
SHEET NO. 2 OF 3
LOCATION SEE PLAN
ELEVATION
DATUM
DATE 10/9/12 TO 10/11/12
START 1020 FINISH 0900
DRILLER Nick Moretti
H&J REP Michal D. Thomas, P.E.

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	FJ	SS	NX
INSIDE DIAMETER (IN)	4	1-3/8	2
HAMMER WEIGHT (LB)	--	140	
HAMMER FALL (IN)	--	30	

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE Mobile B-61
BIT TYPE Tri Cone Roller Bit
DRILL HEAD
HAMMER TYPE Donut Hammer with Cathead and Rope

DEPTH	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE TYPE NO. & REC.	SAMPLE DEPTH (FT)	VISUAL DESCRIPTION AND REMARKS	ELEV./ DEPTH (FT)	STRATUM DESCRIPTION
30		14 11 12 18	SS8 16"	30.0 32.0	Top 8": Reddish brown, fine to medium SAND, little Silt (SM, Class 3b). Bottom 8": Reddish brown, SILT, some fine Sand (ML, Class 5b).		SILTY SAND
						31.0'	
35		11 8 13 16	SS9 19"	35.0 37.0	Medium dense, red/brown, fine SAND, some Silt (SM, Class 3b).		FINE SAND AND SILT
40		18 22 16 24	SS10 14"	40.0 42.0	Dense, Reddish brown, SILT, some fine Sand (ML, Class 5a).		
45		14 16 15 22	SS11 24"	45.0 47.0	Dense, brown, CLAY, some fine Sand (CL, Class 4a, LL=30, PL=20, PI=10, natural water content=30%).	45.0'	SANDY CLAY
50		36 45 100/4"	SS12 12"	50.0 51.3	Very dense, orange/brown, fine to medium SAND, little Silt (SP, Class 3a).	50.0'	SILTY SAND
						51.3'	GRAVEL AND BOULDERS
						53.5	SAND AND GRAVEL
55		50/0"	SS13 0"	55.0 55.0	No Penetration.	55.0'	GRAVEL AND BOULDERS

HELLER AND JOHNSEN
FOOT OF BROAD STREET
STRATFORD, CONNECTICUT 06615

TEST BORING REPORT

BORING NO. HJ-1

PROJECT 487 West 129th Street
LOCATION Harlem, New York
CLIENT Inner City Contracting, LLC
CONTRACTOR CMI Subsurface Investigations, Inc.

GROUNDWATER READINGS		
DATE	TIME	DEPTH
10/9/12 water added by driller prior to reaching groundwater table		

FILE NO. 76704
SHEET NO. 3 OF 3
LOCATION SEE PLAN
ELEVATION
DATUM
DATE 10/9/12 TO 10/11/12
START 1020 FINISH 0900
DRILLER Nick Moretti
H&J REP Michal D. Thomas, P.E.

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	FJ	SS	NX
INSIDE DIAMETER (IN)	4	1-3/8	2
HAMMER WEIGHT (LB)	--	140	
HAMMER FALL (IN)	--	30	

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE Mobile B-61
BIT TYPE Tri Cone Roller Bit
DRILL HEAD
HAMMER TYPE Donut Hammer with Cathead and Rope

DEPTH	CORING TIME PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE TYPE NO. & REC.	SAMPLE DEPTH (FT)	VISUAL DESCRIPTION AND REMARKS	ELEV./ DEPTH (FT)	STRATUM DESCRIPTION
60		100/4"	SS14 0"	60.0 60.3	No Recovery.		GRAVEL AND BOULDERS
			C2 31"	60.3 66.3	Grey, SCHIST, highly fractured, weathered. RQD=0%, Class 1d	61.8'	HIGHLY FRACTURED, WEATHERED SCHIST
65							
		7 min.	C3 44"	66.3 70.5	Grey, SCHIST, fractured, slightly weathered. RQD=71%, Class 1b	66.3'	FRACTURED SCHIST
		6 min.					
		8 min.					
70		8 min.				70.5'	E.O.B.
75							
80							
85							

HELLER AND JOHNSEN
FOOT OF BROAD STREET
STRATFORD, CONNECTICUT 06615

TEST BORING REPORT

BORING NO. HJ-2

PROJECT 487 West 129th Street
LOCATION Harlem, New York
CLIENT Inner City Contracting, LLC
CONTRACTOR CMI Subsurface Investigations, Inc.

GROUNDWATER READINGS		
DATE	TIME	DEPTH
Water added by driller prior to reaching groundwater table		

FILE NO. 76704
SHEET NO. 1 OF 2
LOCATION SEE PLAN
ELEVATION
DATUM
DATE 10/11/12 TO 10/12/12
START 0910 FINISH 1300
DRILLER Nick Moretti
H&J REP Michal D. Thomas, P.E.

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	FJ	SS	
INSIDE DIAMETER (IN)	4	1-3/8	
HAMMER WEIGHT (LB)	--	140	
HAMMER FALL (IN)	--	30	

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE Mobile B-61
BIT TYPE Tri-cone Roller Bit
DRILL HEAD
HAMMER TYPE Donut Hammer with Cathead and Rope

DEPTH	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE TYPE NO. & REC.	SAMPLE DEPTH (FT)	VISUAL DESCRIPTION AND REMARKS	ELEV./ DEPTH (FT)	STRATUM DESCRIPTION
0							CONCRETE SLAB
						0.4'	
		3	SS1	1.0	Very loose, brown, grey, fine to coarse SAND, some fine Gravel, little Silt, trace Plastic (Fill, SW Class 7).		
		2	4"	3.0			
		1					
		2					
		51	SS2	3.0	No Recovery.		SAND AND GRAVEL WITH POSSIBLE WOOD (FILL)
		9	0"	4.0			
		50/0"					
					Hard drilling at 4'.		
5		60	SS3	5.0	Dark grey, fine to coarse GRAVEL, and fine to coarse Sand, trace Silt (Fill, GW, Class 7).		
		100/2"	6"	5.7			
					Possible wood, 1' thick.		
		50/0"	SS4	7.0	No Penetration.		
			0"	7.0		7.0'	
					Hard drilling from 7 to 15 feet.		POSSIBLE CONCRETE
10		39	SS5	10.0	Very dense, reddish brown, fine to coarse SAND, little fine Gravel, trace Silt (SW, Class 3a).	10.0'	
		31	12"	12.0			
		20					GRAVELLY SAND
		76					
15		14	SS6	15.0	Dense, orange brown, brown, black, fine to coarse SAND, little fine Gravel, little Silt (SW, Class 3a).		
		18	7"	17.0			
		24					
		26					
						17.0'	
20		11	SS7	20.0	Medium dense, reddish brown, fine to medium SAND, little Silt (SM, Class 3b).		
		11	10"	22.0			
		14					
		16					SILTY SAND
25		4	SS8	25.0	Medium dense, reddish brown, fine SAND, some Silt (SM, Class 3b).		
		4	16"	27.0			
		9					
		14					
					Note: Hard drilling from 29.5 to 31.5 feet, lots of chatter. Contractor drilled with water from the start of test boring.	29.5'	BOULDERS

HELLER AND JOHNSEN
FOOT OF BROAD STREET
STRATFORD, CONNECTICUT 06615

TEST BORING REPORT

BORING NO. HJ-2

PROJECT 487 West 129th Street
LOCATION Harlem, New York
CLIENT Inner City Contracting, LLC
CONTRACTOR CMI Subsurface Investigations, Inc.

GROUNDWATER READINGS		
DATE	TIME	DEPTH
Water added by driller prior to reaching groundwater table		

FILE NO. 76704
SHEET NO. 2 OF 2
LOCATION SEE PLAN
ELEVATION
DATUM
DATE 10/11/12 TO 10/12/12
START 0910 FINISH 1300
DRILLER Nick Moretti
H&J REP Michal D. Thomas, P.E.

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	FJ	SS	
INSIDE DIAMETER (IN)	4	1-3/8	
HAMMER WEIGHT (LB)	--	140	
HAMMER FALL (IN)	--	30	

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE Mobile B-61
BIT TYPE Tri-cone Roller Bit
DRILL HEAD
HAMMER TYPE Donut Hammer with Cathead and Rope

DEPTH	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE TYPE NO. & REC.	SAMPLE DEPTH (FT)	VISUAL DESCRIPTION AND REMARKS	ELEV./ DEPTH (FT)	STRATUM DESCRIPTION
30		50/0"	SS9 0"	30.0 30.0	No Penetration		
					Hard drilling from 31.5 to 35 feet, no chatter.		BOULDERS
35		6 min.	C1 16"	35.0 37.6	Top 3": Grey, pink, coarse GRAVEL (Boulder). Middle 3": Dark grey, fine to coarse GRAVEL, little coarse Sand (Weathered Schist). Bottom 10": Dark grey, SCHIST, highly Fractured, some Weathering, Vertical seam. RQD=0%, Class 1d. Barrel clogged at 37.6 feet.	35.5'	WEATHERED SCHIST
		7 min.				36.0'	
		13 min./7"					
		11 min.	C2 60"	37.6 42.6	Dark grey SCHIST, Fractured, lightly weathered. RQD=66%, Class 1c. The bottom 4" is completely weathered and can be broken by hand easily.		FRACTURED SCHIST
40		11 min.					
		13 min.					
		13 min.					
		13 min.				42.3'	COMPLETELY WEATHERED SCHIST
						42.6'	E.O.B.
45							
50							
55							

Note: 30' FJ casing. C1 ending because a vertical fracture clogged the barrel. Chatter from 29.5 to 31.5 feet, slow drilling with no chatter from 31.5 to 35 feet.

HELLER AND JOHNSEN
FOOT OF BROAD STREET
STRATFORD, CONNECTICUT 06615

TEST BORING REPORT

BORING NO. HJ-3

PROJECT 487 West 129th Street
LOCATION Harlem, New York
CLIENT Inner City Contracting, LLC
CONTRACTOR CMI Subsurface Investigations, Inc.

GROUNDWATER READINGS		
DATE	TIME	DEPTH
10/19/12	0810	25.0'
10/24/12	1245	25.0'

FILE NO. 76704
SHEET NO. 1 OF 2
LOCATION SEE PLAN
ELEVATION
DATUM
DATE 10/12/12 TO 10/18/12
START 1300 FINISH 1000
DRILLER Nick Moretti
H&J REP Michal D. Thomas, P.E.

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	FJ	SS	
INSIDE DIAMETER (IN)	4	1-3/8	
HAMMER WEIGHT (LB)	--	140	
HAMMER FALL (IN)	--	30	

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE Mobile B-61
BIT TYPE Tri-cone Roller Bit
DRILL HEAD
HAMMER TYPE Donut Hammer with Cathead and Rope

DEPTH	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE TYPE NO. & REC.	SAMPLE DEPTH (FT)	VISUAL DESCRIPTION AND REMARKS	ELEV./ DEPTH (FT)	STRATUM DESCRIPTION
0							CONCRETE SLAB
		10	SS1	1.0	Very loose, dark brown, grey, fine to coarse Sand, some fine Gravel, some Silt,	1.0'	
		1	3"	3.0	trace Brick (Fill, SM, Class 7).		
		2					GRAVELLY SILTY SAND (FILL)
		2					
		2	SS2	3.0	Brown, fine to coarse Sand, some fine to coarse Gravel, some Silt, little Steel (Fill,		
		100/5"	3"	3.9	SM, Class 7).		
5							
		20	SS3	5.0	Medium dense, brown, fine to coarse SAND, some Silt, little fine to coarse Gravel	5.0'	
		9	10"	7.0	(Fill, SM, Class 7).		
		6					SILTY SAND (FILL)
		5					
		6	SS4	7.0	Medium dense, brown, fine to medium SAND, little Silt (Fill, SP Class 7).		
		6	12"	9.0			
		9					
		10					
10							
		66	SS5	10.0	Top 9": Reddish brown, fine to coarse SAND, some fine to coarse Gravel, little Silt	10.0'	
		100/5"	11"	10.9	(SW, Class 3a).		
					Bottom 2": Light grey, fine to coarse SAND, little fine Gravel, little Silt (broken		GRAVELLY SAND
					cobble, SW, Class 3a).		
15							
		19	SS6	15.0	Dense, reddish brown, fine to coarse SAND, little Silt (SW, Class 3a).	15.0'	
		25	11"	17.0			
		23					SAND
		23					
					Hard drilling form 19 to 27 feet.		
					Bentonite added after drilling to 20 feet.		
20							
		88	SS7	20.0	Very dense, reddish brown, fine to coarse GRAVEL, some fine to coarse Sand, little	20.0'	
		71	6"	22.0	Silt (GW, Class 2a).		
		66					SANDY GRAVEL
		46					
25							
		48	SS8	25.0	No Recovery.		
		27	0"	27.0			
		17				27.0'	
		17					SANDY SILT

HELLER AND JOHNSEN
FOOT OF BROAD STREET
STRATFORD, CONNECTICUT 06615

TEST BORING REPORT

BORING NO. HJ-3

PROJECT 487 West 129th Street
LOCATION Harlem, New York
CLIENT Inner City Contracting, LLC
CONTRACTOR CMI Subsurface Investigations, Inc.

GROUNDWATER READINGS		
DATE	TIME	DEPTH
10/19/12	0810	25.0'
10/24/12	1245	25.0'

FILE NO. 76704
SHEET NO. 2 OF 2
LOCATION SEE PLAN
ELEVATION
DATUM
DATE 10/12/12 TO 10/18/12
START 1300 FINISH 1000
DRILLER Nick Moretti
H&J REP Michal D. Thomas, P.E.

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	FJ	SS	NX
INSIDE DIAMETER (IN)	4	1-3/8	2
HAMMER WEIGHT (LB)	--	140	
HAMMER FALL (IN)	--	30	

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE Mobile B-61
BIT TYPE Tri Cone Roller Bit
DRILL HEAD
HAMMER TYPE Donut Hammer with Cathead and Rope

DEPTH	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE TYPE NO. & REC.	SAMPLE DEPTH (FT)	VISUAL DESCRIPTION AND REMARKS	ELEV./ DEPTH (FT)	STRATUM DESCRIPTION
30		4	SS9	30.0	Top 16": Reddish brown, SILT, some fine Sand (ML, Class 5a).		
		15	21"	32.0	Bottom 5": Reddish brown, fine to medium SAND, some Silt (SM, Class 3a).		SANDY SILT
		22				31.5'	
		24					SILTY SAND
35		6	SS10	35.0	Top 10": Reddish brown, fine to medium SAND, some Silt (SM, Class 3b).		
		13	18"	37.0	Bottom 8": Reddish brown, fine to coarse Gravel, some fine to coarse Sand, little Silt (GW, Class 2a).		
		54				36.0'	
		83					SILTY SANDY GRAVEL
40		57	SS11	40.0	Reddish brown, fine to coarse SAND, little fine to coarse Gravel, little Silt (SW, Class 3a).	40.0'	
		100/5"	7"	40.9			SILTY GRAVELLY SAND
						43.0'	
45		50/1"	SS12	45.0	No Recovery.		
			0"	45.1			POSSIBLE WEATHERED ROCK
		9 min.	C1	48.0	Grey, SCHIST, Fractured, slightly Weathered, RQD=27%, Class 1d.	48.0'	
		13 min.	22"	53.0			
50		11 min.					
		11 min.					
		12 min.					
		11 min.	C2	53.0	Grey, SCHIST, very Fractured, slightly Weathered, RQD=7%, Class 1d.		
		12 min.	36"	58.4	Core barrel clogged at 53.8 and 57.6 ft.		FRACTURED SCHIST
55		14 min.					
		8 min.					
		12 min.					
		13 min.			Note: The contractor installed a 1 ¼" OD PVC monitoring well to the bottom of the hole, 10' screen with 48' of riser. The contractor back filled the hole with sand up to 38.5' below grade. After pulling out the casing hole collapsed to 27.5' below grade. The contractor placed bentonite chips at 27.5' below grade.	58.4'	E.O.B.

HELLER AND JOHNSEN
FOOT OF BROAD STREET
STRATFORD, CONNECTICUT 06615

TEST BORING REPORT

BORING NO. HJ-4

PROJECT 487 West 129th Street
LOCATION Harlem, New York
CLIENT Inner City Contracting, LLC
CONTRACTOR CMI Subsurface Investigations, Inc.

GROUNDWATER READINGS		
DATE	TIME	DEPTH
10/22/12	0845	24.3'
10/24/12	1250	24.7'

FILE NO. 76704
SHEET NO. 1 OF 2
LOCATION SEE PLAN
ELEVATION
DATUM
DATE 10/15/12 TO 10/19/12
START 1235 FINISH 1400
DRILLER Nick Moretti
H&J REP Michal D. Thomas, P.E.

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	FJ	SS	NX
INSIDE DIAMETER (IN)	4	1-3/8	2
HAMMER WEIGHT (LB)	--	140	
HAMMER FALL (IN)	--	24	

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE Mobile B-61
BIT TYPE Tri Cone Roller Bit
DRILL HEAD
HAMMER TYPE Donut Hammer with Cathead and Rope

DEPTH	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE TYPE NO. & REC.	SAMPLE DEPTH (FT)	VISUAL DESCRIPTION AND REMARKS	ELEV./ DEPTH (FT)	STRATUM DESCRIPTION
0							CONCRETE SLAB
		12	SS1	1.0	Very dense, light grey, brown, fine to coarse SAND, some Silt, little fine to coarse	0.7'	
		13	8"	2.3	Gravel (broken brick in tip) (Fill, SP Class 7).		SILTY SAND WITH BRICK (FILL)
		50/3"					
		50/2"	SS2	3.0	No Recovery.		
			0"	3.2			
5		50	SS3	5.0	Brown, grey, fine to coarse Sand, some fine to coarse Gravel, little Silt (Fill, SW,		
		50/1"	6"	5.6	Class 7).	5.6'	POSSIBLE CONCRETE SLAB
		36	SS4	7.0	Very dense, reddish brown, fine to coarse SAND, little Silt, trace fine Gravel (SW,	6.5'	
		26	12"	9.0	Class 3a).		
		26					
		92					
10		49	SS5	10.0	Very dense, grey, coarse GRAVEL (one piece stuck in tip).		
		40	1"	12.0			
		30					
		37					
15		30	SS6	15.0	No Recovery.		SAND
		27	0"	17.0			
		25					
		28					
20		23	SS7	20.0	Dense, reddish brown, fine to coarse SAND, little Silt, trace fine Gravel (SW, Class		
		25	7"	22.0	3a).		
		18					
		23					
25		15	SS8	25.0	Very dense, reddish brown, black, fine to medium SAND, some Silt (SP, Class 3a).	25.0'	
		24	8"	27.0			SILTY SAND
		26					
		28				29.5'	BOULDER

HELLER AND JOHNSEN
FOOT OF BROAD STREET
STRATFORD, CONNECTICUT 06615

TEST BORING REPORT

BORING NO. HJ-4

PROJECT 487 West 129th Street
LOCATION Harlem, New York
CLIENT Inner City Contracting, LLC
CONTRACTOR CMI Subsurface Investigations, Inc.

GROUNDWATER READINGS		
DATE	TIME	DEPTH
10/22/12	0845	24.3'
10/24/12	1250	24.7'

FILE NO. 76704
SHEET NO. 2 OF 2
LOCATION SEE PLAN
ELEVATION
DATUM
DATE 10/15/12 TO 10/19/12
START 1235 FINISH 1400
DRILLER Nick Moretti
H&J REP Michal D. Thomas, P.E.

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	FJ	SS	
INSIDE DIAMETER (IN)	4	1-3/8	
HAMMER WEIGHT (LB)	--	140	
HAMMER FALL (IN)	--	24	

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE Mobile B-61
BIT TYPE Tri-cone Roller Bit
DRILL HEAD
HAMMER TYPE Donut Hammer with Cathead and Rope

DEPTH	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE TYPE NO. & REC.	SAMPLE DEPTH (FT)	VISUAL DESCRIPTION AND REMARKS	ELEV./ DEPTH (FT)	STRATUM DESCRIPTION
30		14	SS9	30.0	Very dense, reddish brown, fine to medium SAND, some Silt (SP, Class 3a).	30.0'	SILTY SAND
		60	0"	31.7	Note: The tip of the split spoon fell off of the sampler tube between the sampling process and the removal of the drill string. This may have resulted in the very high blow counts. No soil was in the sampler tube. The driller pounded a 3" sampler tube in an attempt to retrieve the tip. The soil description is based on the recovery in the 3" tube.	31.7'	BOULDERS
		78				33.0'	SAND
		50/2"				34.0'	BOULDER
35		100/5"	SS10	35.0	No Recovery.	35.0'	SAND
			0"	35.4	Note: SS10 sampled with a 3" split spoon and a 300 lb hammer, spoon bounced at 35.4 ft.	35.4'	BOULDERS
		26 min.	C1	35.4	No Recovery. A piece of the lost split spoon tip was stuck in the hole.		
			0"	36.4			
		7 min./5"	C2	36.4	No Recovery. A second piece of the lost split spoon and may have prevented any recovery of a sample.		
			0"	36.8			
					The contractor advanced the roller bit to 39.0 ft.		
		15 min.	C3	39.0	Grey, SCHIST, highly fractured, slightly weathered RQD=15%, Class 1d.	39.0'	FRACTURED SCHIST
40		10 min.	24"	44.0			
		7 min.					
		7 min.					
		10 min.				44.0'	E.O.B.
45							
50							
55							

Note: The contractor installed a 1¼" OD PVC monitoring well. 10 ft. screened PVC piping with 34 ft. solid PVC piping.

HELLER AND JOHNSEN
FOOT OF BROAD STREET
STRATFORD, CONNECTICUT 06615

TEST BORING REPORT

BORING NO. HJ-5

PROJECT 487 West 129th Street
LOCATION Harlem, New York
CLIENT Inner City Contracting, LLC
CONTRACTOR CMI Subsurface Investigations, Inc.

GROUNDWATER READINGS		
DATE	TIME	DEPTH
Driller added water from the start of the hole		

FILE NO. 76704
SHEET NO. 1 OF 2
LOCATION SEE PLAN
ELEVATION
DATUM
DATE 10/22/12 TO 10/23/12
START 0900 FINISH 1000
DRILLER John Imparato
H&J REP Michal D. Thomas, P.E.

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	FJ	SS	
INSIDE DIAMETER (IN)	4	1-3/8	
HAMMER WEIGHT (LB)	--	140	
HAMMER FALL (IN)	--	24	

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE Mobile B-61
BIT TYPE Tri-cone Roller Bit
DRILL HEAD
HAMMER TYPE Donut Hammer with Cathead and Rope

DEPTH	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE TYPE NO. & REC.	SAMPLE DEPTH (FT)	VISUAL DESCRIPTION AND REMARKS	ELEV./ DEPTH (FT)	STRATUM DESCRIPTION
0							CONCRETE SLAB
		50/2"	SS1 2"	0.5 0.7	Black, fine to coarse SAND, some fine Gravel, little Silt (Fill, SW, Class 7).	0.5'	SILTY GRAVELLY SAND (FILL)
						0.7'	BOULDER (FILL)
						1.7'	
		4	SS2 6"	3.0 5.0	Very loose, brown, fine to medium SAND, some Silt, little fine Gravel (Fill, SP, Class 7).		
		2					
		2					
		3					
5		3	SS3 6"	5.0 7.0	Loose, light brown, fine to medium SAND, some Silt (Fill, SP, Class 7).		SILTY SAND (FILL)
		4					
		4					
		4					
		8	SS4 8"	7.0 9.0	Medium dense, grey, light brown, fine to medium SAND, some Silt (Fill, SP Class 7).		
		8					
		7					
		8					
		7	SS5 9"	9.0 11.0	Top 2": Grey, fine to medium SAND, little Silt, trace Brick (Fill, SP, Class 7).		
		23			Bottom 7": Brown, fine to medium SAND, little Silt, trace Brick (SP, Class 3a).		
10		30				9.5'	
		61					SILTY SAND
						13.0'	
15		47	SS6 10"	15.0 16.8	Very dense, brown, grey, orange, red, fine to coarse SAND, and fine to coarse Gravel, trace Silt (SW, Class 3a).		
		68					
		78					
		50/3"					
							SAND AND GRAVEL
20		50	SS7 10"	20.0 22.0	Very dense, brown, orange/brown, grey, fine to coarse SAND, some fine to coarse Gravel, little Silt (SW, Class 3a).		
		59					
		62					
		56					
25		14	SS8 4"	25.0 27.0	Dense, reddish brown, fine to medium SAND, little Silt (SP, Class 3a).	25.0'	
		22					
		24					
		29					SILTY SAND
					Note: HJ-5 was offset 2 ft. to the east after encountering a steel I-beam directly under the concrete slab.		

HELLER AND JOHNSEN
FOOT OF BROAD STREET
STRATFORD, CONNECTICUT 06615

TEST BORING REPORT

BORING NO. HJ-5

PROJECT 487 West 129th Street
LOCATION Harlem, New York
CLIENT Inner City Contracting, LLC
CONTRACTOR CMI Subsurface Investigations, Inc.

GROUNDWATER READINGS		
DATE	TIME	DEPTH
Driller added water from the start of the hole		

FILE NO. 76704
SHEET NO. 2 OF 2
LOCATION SEE PLAN
ELEVATION
DATUM
DATE 10/9/12 TO 10/11/12
START 1020 FINISH 0900
DRILLER John Imparato
H&J REP Michal D. Thomas, P.E.

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	FJ	SS	NX
INSIDE DIAMETER (IN)	4	1-3/8	2
HAMMER WEIGHT (LB)	--	140	
HAMMER FALL (IN)	--	24	

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE Mobile B-61
BIT TYPE Tri Cone Roller Bit
DRILL HEAD
HAMMER TYPE Donut Hammer with Cathead and Rope

DEPTH	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE TYPE NO. & REC.	SAMPLE DEPTH (FT)	VISUAL DESCRIPTION AND REMARKS	ELEV./ DEPTH (FT)	STRATUM DESCRIPTION
30		12 18 31 24	SS9 6"	30.0 32.0	Top 3": Reddish brown, SILT, some fine to coarse Gravel, little fine Sand (ML, Class 5b). Bottom 3": Reddish brown, fine to medium SAND, little Silt (SP, Class 3a).		
35		17 25 27 29	SS10 16"	35.0 37.0	Very dense, reddish brown, fine SAND, some Silt (SM, Class 3a).		SILTY SAND
40		10 29 27 21	SS11 16"	40.0 42.0	Very dense, reddish brown, fine SAND, some Silt (SM, Class 3a).		
45		9 20 25 23	SS12 15"	45.0 47.0	Dense, brown, CLAY, some fine Sand (CL, Class 5a).	45.0'	SANDY CLAY
50		7 10 15 21	SS13 23"	50.0 52.0	Medium dense, brown, SILT, little fine Sand (ML, Class 5b).	50.0'	SANDY SILT
						53.0'	WEATHERED BEDROCK
55		50/0"	SS14 0"	55.0 55.0	No Penetration.	55.0'	E.O.B. Roller Bit Refusal

HELLER AND JOHNSEN
FOOT OF BROAD STREET
STRATFORD, CONNECTICUT 06615

TEST BORING REPORT

BORING NO. HJ-6

PROJECT 487 West 129th Street
LOCATION Harlem, New York
CLIENT Inner City Contracting, LLC
CONTRACTOR CMI Subsurface Investigations, Inc.

GROUNDWATER READINGS		
DATE	TIME	DEPTH
Driller added water from the start of the hole		

FILE NO. 76704
SHEET NO. 1 OF 2
LOCATION SEE PLAN
ELEVATION
DATUM
DATE 10/22/12 TO 10/23/12
START 1025 FINISH 1400
DRILLER Nick Moretti
H&J REP Michal D. Thomas, P.E.

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	FJ	SS	
INSIDE DIAMETER (IN)	4	1-3/8	
HAMMER WEIGHT (LB)	--	140	
HAMMER FALL (IN)	--	24	

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE Mobile B-61
BIT TYPE Tri-cone Roller Bit
DRILL HEAD
HAMMER TYPE Donut Hammer with Cathead and Rope

DEPTH	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE TYPE NO. & REC.	SAMPLE DEPTH (FT)	VISUAL DESCRIPTION AND REMARKS	ELEV./ DEPTH (FT)	STRATUM DESCRIPTION
0							CONCRETE SLAB
						0.3'	SAND, GRAVEL AND BRICK (FILL)
		15	SS1	1.0	Very dense, brown, fine to coarse Sand, some fine to coarse Gravel, some Silt (Fill,	0.6'	CONCRETE SLAB
		22	7"	2.1	SM, Class 7).	0.9'	
		50/1"					
		50/1"	SS2	3.0	Grey, fine to coarse SAND, some fine to coarse Gravel, little Silt (Fill, SW, Class 7).		
			1"	3.1			GRAVELLY SILTY SAND (FILL)
5							
		10	SS3	5.0	Loose, grey, brown, fine to coarse SAND, some fine to coarse Gravel, little Silt (Fill,		
		6	5"	7.0	SW, Class 7).		
		3					
		7					
		10	SS4	7.0	Medium dense, brown, grey, fine to medium SAND, some Silt (SM, Class 3b).	7.0'	
		13	8"	9.0			SILTY SAND
		15				8.5'	
		44					
10							
		29	SS5	10.0	Brown, fine to coarse SAND, some fine to coarse Gravel, little Silt (SW, Class 3a).		
		100/4"	4"	10.8			
15							
		100/4"	SS6	15.0	No Recovery.		
			0"	15.4			
							SILTY GRAVELLY SAND
20							
		100/3"	SS7	20.0	No Recovery.		
			0"	20.3			
25							
		38	SS8	25.0	Very dense, brown, grey, fine to coarse SAND, some fine to coarse Gravel, little Silt		
		67	1"	26.3	(SW, Class 3a).		
		100/3"					

HELLER AND JOHNSEN
FOOT OF BROAD STREET
STRATFORD, CONNECTICUT 06615

TEST BORING REPORT

BORING NO. HJ-6

PROJECT 487 West 129th Street
LOCATION Harlem, New York
CLIENT Inner City Contracting, LLC
CONTRACTOR CMI Subsurface Investigations, Inc.

GROUNDWATER READINGS		
DATE	TIME	DEPTH
Driller added water from the start of the hole		

FILE NO. 76704
SHEET NO. 2 OF 2
LOCATION SEE PLAN
ELEVATION
DATUM
DATE 10/22/12 TO 10/23/12
START 1025 FINISH 1400
DRILLER Nick Moretti
H&J REP Michal D. Thomas, P.E.

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	FJ	SS	NX
INSIDE DIAMETER (IN)	4	1-3/8	2
HAMMER WEIGHT (LB)	--	140	
HAMMER FALL (IN)	--	24	

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE Mobile B-61
BIT TYPE Tri Cone Roller Bit
DRILL HEAD
HAMMER TYPE Donut Hammer with Cathead and Rope

DEPTH	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE TYPE NO. & REC.	SAMPLE DEPTH (FT)	VISUAL DESCRIPTION AND REMARKS	ELEV./ DEPTH (FT)	STRATUM DESCRIPTION
30		10 19 27 22	SS9 4"	30.0 32.0	Dense, brown, fine to medium SAND, some Silt (SM, Class 3b).	30.0'	
35		12 13 14 46	SS10 4"	35.0 37.0	Medium dense, reddish brown, fine to medium SAND, some Silt, little Gravel (SM, Class 3b).		SILTY SAND
40		30 50/2"	SS11 2"	40.0 40.7	Grey, fine to coarse GRAVEL, little fine to medium Sand, little Silt (GW, Class 2a).		
					Very hard drilling from 43 ft. to 48 ft.	43.0'	
45		100/4"	SS12 0"	45.0 45.3	No Recovery.		WEATHERED BEDROCK
50						48.0'	E.O.B. Roller Bit Refusal
55							

HELLER AND JOHNSEN
FOOT OF BROAD STREET
STRATFORD, CONNECTICUT 06615

TEST BORING REPORT

BORING NO. HJ-7

PROJECT 487 West 129th Street
LOCATION Harlem, New York
CLIENT Inner City Contracting, LLC
CONTRACTOR CMI Subsurface Investigations, Inc.

GROUNDWATER READINGS		
DATE	TIME	DEPTH
Driller added water from the start of the hole		

FILE NO. 76704
SHEET NO. 1 OF 2
LOCATION SEE PLAN
ELEVATION
DATUM
DATE 10/23/12 TO 1024/12
START 1020 FINISH 1400
DRILLER John Imparato
H&J REP Michal D. Thomas, P.E.

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	FJ	SS	
INSIDE DIAMETER (IN)	4	1-3/8	
HAMMER WEIGHT (LB)	--	140	
HAMMER FALL (IN)	--	30	

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE Mobile B-61
BIT TYPE Tri-cone Roller Bit
DRILL HEAD
HAMMER TYPE Donut Hammer with Cathead and Rope

DEPTH	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE TYPE NO. & REC.	SAMPLE DEPTH (FT)	VISUAL DESCRIPTION AND REMARKS	ELEV./ DEPTH (FT)	STRATUM DESCRIPTION
0							CONCRETE SLAB
		50/0"	SS1 0"	1.0 1.0	No Penetration.	1.0'	
		4	SS2 10"	3.0 4.8	Top 7": Brown, fine to medium SAND, and Silt (Fill, SM, Class 7). Bottom 3": Brown, fine Gravel, some fine to coarse Sand, little Silt, little Brick (Fill, GP, Class 7).		SILTY GRAVELLY SAND WITH COBBLES (FILL)
		3					
		5					
		50/3"					
5		50/0"	SS3 0"	5.0 5.0	No Penetration.	4.8'	
					Very hard augering from 5 to 10 feet.		POSSIBLE CONCRETE
10		55	SS4 2"	10.0 11.3	Very dense, grey, coarse GRAVEL (Fill, GP, Class 2a). Note: The hammer fall height for SS4 was 24".	10.0'	GRAVEL (FILL)
		54					
		50/3"					
		26	SS5 6"	12.0 14.0	Dense, brown, fine to coarse SAND, little Silt, trace fine Gravel (SW, Class 3a).	12.0'	SILTY SAND
		23					
		20					
		37					
15		16	SS6 12"	15.0 17.0	Very dense, brown, fine to coarse Gravel, and fine to coarse Sand, trace Silt (GW, Class 2a).	15.0'	SAND AND GRAVEL
		37					
		35					
		18					
20		12	SS7 9"	20.0 22.0	Dense, reddish brown, fine to coarse SAND, little Silt, little fine Gravel (SW, Class 3a).	20.0'	
		24					
		23					
		15					
25		14	SS8 15"	25.0 27.0	Top 5": Red/brown, fine to coarse SAND, some Silt (SM, Class 3a). Bottom 10": Red/brown, fine to medium SAND, some Silt (SM, Class 3a).		SILTY SAND
		17					
		19					
		14					

HELLER AND JOHNSEN
FOOT OF BROAD STREET
STRATFORD, CONNECTICUT 06615

TEST BORING REPORT

BORING NO. HJ-7

PROJECT 487 West 129th Street
LOCATION Harlem, New York
CLIENT Inner City Contracting, LLC
CONTRACTOR CMI Subsurface Investigations, Inc.

GROUNDWATER READINGS		
DATE	TIME	DEPTH
Driller added water from the start of the hole		

FILE NO. 76704
SHEET NO. 2 OF 2
LOCATION SEE PLAN
ELEVATION
DATUM
DATE 10/23/12 TO 10/24/12
START 1020 FINISH 1400
DRILLER John Imparato
H&J REP Michal D. Thomas, P.E.

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	FJ	SS	
INSIDE DIAMETER (IN)	4	1-3/8	
HAMMER WEIGHT (LB)	--	140	
HAMMER FALL (IN)	--	30	

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE Mobile B-61
BIT TYPE Tri-cone Roller Bit
DRILL HEAD
HAMMER TYPE Donut Hammer with Cathead and Rope

DEPTH	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE TYPE NO. & REC.	SAMPLE DEPTH (FT)	VISUAL DESCRIPTION AND REMARKS	ELEV./ DEPTH (FT)	STRATUM DESCRIPTION
30		5	SS9 18"	30.0 32.0	Top 12": Red/brown, fine SAND, some Silt (SM, Class 3b). Bottom 6": CLAY, little fine Sand, (CL, Class 5b).		SILTY SAND
		12				31.0'	
		9					CLAY
		8					
35		11	SS10 20"	35.0 37.0	Top 10": Red/brown, fine SAND, and Silt (SM, Class 3b). Bottom 10": Red/brown, SILT, little fine Sand (ML, Class 5b).	35.0'	SAND AND SILT
		11				36.0'	
		11					SANDY SILT
		12				38.5'	
40		47	SS11 8"	40.0 40.8	Top 7": Red/brown, fine to coarse SAND, some Silt (SM, Class 3a). Bottom 1": Grey, Decomposed Schist Bedrock (GP, Class 2a).		SILTY SAND
		50/3"				40.5'	
							DECOMPOSED BEDROCK
45						44.5'	E.O.B. Roller Bit Refusal
50							
55							

HELLER AND JOHNSEN
FOOT OF BROAD STREET
STRATFORD, CONNECTICUT 06615

TEST BORING REPORT

BORING NO. HJ-8

PROJECT 487 West 129th Street
LOCATION Harlem, New York
CLIENT Inner City Contracting, LLC
CONTRACTOR CMI Subsurface Investigations, Inc.

GROUNDWATER READINGS		
DATE	TIME	DEPTH
The driller added water prior to encountering the groundwater table		

FILE NO. 76704
SHEET NO. 1 OF 2
LOCATION SEE PLAN
ELEVATION
DATUM
DATE 10/24/12 TO 10/25/12
START 0800 FINISH 1530
DRILLER Nick Moretti
H&J REP Michal D. Thomas, P.E.

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	FJ	SS	
INSIDE DIAMETER (IN)	4	1-3/8	
HAMMER WEIGHT (LB)	--	140	
HAMMER FALL (IN)	--	30	

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE Mobile B-56
BIT TYPE Tri-cone Roller Bit
DRILL HEAD
HAMMER TYPE Donut Hammer with Cathead and Rope

DEPTH	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE TYPE NO. & REC.	SAMPLE DEPTH (FT)	VISUAL DESCRIPTION AND REMARKS	ELEV./ DEPTH (FT)	STRATUM DESCRIPTION
0					Hard drilling.		CONCRETE SLAB
		50/2"	SS1 1"	2.0 2.2	One piece of concrete.	3.0'	
		6	SS2 6"	3.0 5.0	Top 5": Dark brown, fine to medium SAND, some Silt, little fine Gravel (Fill, SM, Class 7). Bottom 1": Light brown, fine to medium SAND, some Silt (SM, Class 3b).		SILTY GRAVELLY SAND (FILL)
		8				4.5'	
		8					
5		7					
		4	SS3 12"	5.0 7.0	Medium dense, light brown, brown, grey, fine to medium SAND, some Silt (SM, Class 3b).		SILTY SAND
		8					
		14					
		16					
10		10	SS4 8"	10.0 11.3	Very dense, brown, fine to medium SAND, some Silt (SM, Class 3a).	11.0'	
		15					
		50/3"					
15		27	SS5 3"	15.0 15.9	Very dense, reddish brown, fine to coarse SAND, some fine to coarse Gravel, little Silt (SW, Class 3a).		
		100/5"					
20		35	SS6 0"	20.0 20.8	No Recovery.		SILTY GRAVELLY SAND
		50/3"					
					Note: For SS1 through SS6, the hammer fall height was 24". Thereafter, it was 30".		
25		18	SS7 1"	25.0 27.0	Dense, reddish/brown, fine to coarse Sand, some fine to coarse Gravel, some Silt (SM, Class 3a).		
		21					
		28					
		41					

HELLER AND JOHNSEN
FOOT OF BROAD STREET
STRATFORD, CONNECTICUT 06615

TEST BORING REPORT

BORING NO. HJ-8

PROJECT 487 West 129th Street
LOCATION Harlem, New York
CLIENT Inner City Contracting, LLC
CONTRACTOR CMI Subsurface Investigations, Inc.

GROUNDWATER READINGS		
DATE	TIME	DEPTH
The driller added water prior to encountering the groundwater table		

FILE NO. 76704
SHEET NO. 2 OF 2
LOCATION SEE PLAN
ELEVATION
DATUM
DATE 10/24/12 TO 10/25/12
START 0800 FINISH 1530
DRILLER Nick Moretti
H&J REP Michal D. Thomas, P.E.

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	FJ	SS	
INSIDE DIAMETER (IN)	4	1-3/8	
HAMMER WEIGHT (LB)	--	140	
HAMMER FALL (IN)	--	30	

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE Mobile B-56
BIT TYPE Tri-cone Roller Bit
DRILL HEAD
HAMMER TYPE Donut Hammer with Cathead and Rope

DEPTH	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE TYPE NO. & REC.	SAMPLE DEPTH (FT)	VISUAL DESCRIPTION AND REMARKS	ELEV./ DEPTH (FT)	STRATUM DESCRIPTION
30		11 17 19 22	SS8 2"	30.0 32.0	Dense, brown, SILT, some fine Sand (ML, Class 5a).	30.0'	SANDY SILT
35		10 11 14 16	SS9 11"	35.0 37.0	Medium dense, brown, fine to medium SAND, some Silt (SM, Class 3b).	35.0'	SILTY SAND
40		5 8 15 13	SS10 16"	40.0 42.0	Medium dense, brown SILT, little fine Sand (ML, Class 5b).	40.0'	SILT
45		31 60 54 65	SS1 15"	45.0 47.0	Very dense, reddish/brown, fine to medium SAND, little Silt, little fine Gravel (SP, Class 3a).	44.0'	SILTY GRAVELLY SNAD
50		50/3"	SS12 1"	50.0 50.3	Brown, fine to coarse Gravel, some fine to coarse SAND, little Silt (GW, Class 2a) Note: The split spoon was advanced another 3" to a depth of 50.5 ft. with 9 blows using the 300 lb. hammer.	49.0'	WEATHERED BEDROCK
55						53.0'	E.O.B. Roller Bit Refusal

APPENDIX B

REPORT ON LABORATORY TESTING

CLIENT: Inner City Contracting, LLC
PROJECT: 487 West 129th Street
LOCATION: Manhattan, New York
FILE NO.: 76704
DATE: 12/10/12

MOISTURE CONTENT RESULTS FROM SIX SAMPLES:

SAMPLE NUMBER: 1
SAMPLE SOURCE: Test boring HJ-1, split spoon sample 11, 45 to 47 feet below grade
MOISTURE CONTENT: 29.7%

SAMPLE NUMBER: 2
SAMPLE SOURCE: Test boring HJ-5, split spoon sample 12, 45 to 47 feet below grade
MOISTURE CONTENT: 28.2%

SAMPLE NUMBER: 3
SAMPLE SOURCE: Test boring HJ-5, split spoon sample 13, 50 to 52 feet below grade
MOISTURE CONTENT: 33.5%

SAMPLE NUMBER: 4
SAMPLE SOURCE: Test boring HJ-7, split spoon sample 9, 30 to 32 feet below grade (bottom portion of recovery)
MOISTURE CONTENT: 37.1%

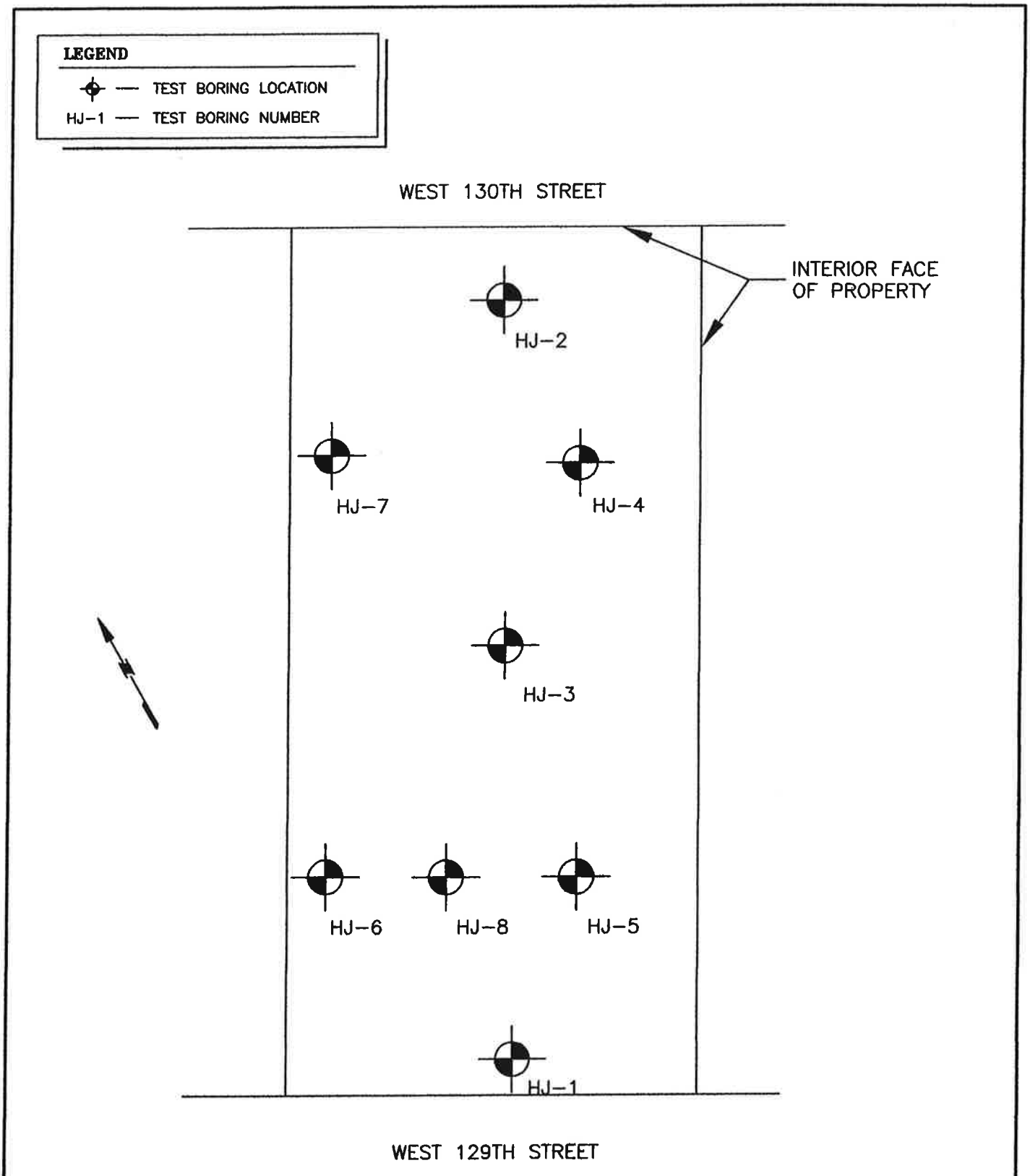
SAMPLE NUMBER: 5
SAMPLE SOURCE: Test boring HJ-7, split spoon sample 9, 35 to 37 feet below grade (bottom portion of recovery)
MOISTURE CONTENT: 29.3%

SAMPLE NUMBER: 6
SAMPLE SOURCE: Test boring HJ-8, split spoon sample 10, 40 to 42 feet below grade
MOISTURE CONTENT: 27.3%

Prepared by:

Michal D. Thomas, P.E.

HELLER AND JOHNSEN
Foot of Broad Street, Stratford, CT 06615
Telephone: 203-380-8188 Fax: 203-380-8198



HELLER AND JOHNSEN
Geotechnical Engineering Consultants
Foot of Broad Street, Stratford, CT 06615
(203) 380-8188 Fax: (203) 380-8198

DESIGNED BY: LFJ
CHECKED BY: MDT
DRAWN BY: MDT
SCALE: 1"=--'
DATE: NOV. 9, 2012

487 WEST 129TH STREET
MANHATTAN, NEW YORK

TEST BORING LOCATION PLAN

PROJECT No. 76704

FIGURE No. 1

AKRF

Environmental and Planning Consultants

440 Park Avenue South
7th Floor
New York, NY 10016
tel: 212 696-0670
fax: 212 213-3191
www.akrf.com

June 25, 2014

Mr. Jonathan Feigenbaum
Inner City Contracting LLC
161 Suffolk Street
New York, NY 10002

Re: Phase I Environmental Site Assessment
487 West 129th Street– New York, NY
AKRF Project Number 11978

Dear Mr. Feigenbaum:

AKRF, Inc. is pleased to submit this Phase I Environmental Site Assessment Report for the above-referenced Property. This report includes the findings of a reconnaissance of the Property, an evaluation of readily available historical information and selected environmental databases and electronic records. AKRF, Inc. met the requirements of American Society for Testing and Materials (ASTM) as established by ASTM Standard E1527-13 unless noted otherwise in Section 8.0: "Limitations and Data Gaps".

We appreciate the opportunity to provide you with our services. If you should have any questions, please do not hesitate to contact us.

Sincerely,
AKRF, Inc.

Michelle Lapin, P.E.
Senior Vice President

Asya Bychkov, P.E.
Environmental Engineer

Enc.

487 West 129th Street

Tax Block 1969, Lot 6

NEW YORK, NY

Phase I Environmental Site Assessment

AKRF Project Number: 11978

Prepared for:

Inner City Contracting LLC
161 Suffolk Street
New York, NY 10002

Prepared by:

AKRF, Inc.
440 Park Avenue South
New York, NY 10016
212-696-0670

JUNE 2014

EXECUTIVE SUMMARY

AKRF, Inc. (AKRF) was retained by Inner City Contracting LLC to perform a Phase I Environmental Site Assessment (ESA) of a Property located at 487 West 129th Street, New York, NY (also identified as Tax Block 1969, Lot 6). At the time of AKRF's reconnaissance, the approximately 20,000-square foot Property was a vacant portion of a one-story building with a partial cellar. AKRF previously conducted a *Phase I ESA* (November 2007) and *Subsurface (Phase II) Investigation* (March 2008) of the Property, and prepared a *Remedial Action Plan (RAP) and Construction Health and Safety Plan (CHASP)* for construction proposed at the Property (May 2008).

This Phase I Environmental Site Assessment was performed in conformance with ASTM Standard E1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Practice*. Any exceptions to, or deletions from, the Standard are described in Section 8.0. The term "Recognized Environmental Condition" or REC means the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. The Standard also includes definitions of Historic REC (HREC), Controlled REC (CREC), and *De Minimis* Condition. A *De Minimis* Condition is defined as an environmental concern that is not a threat to human health or the environment and would not be subject to enforcement action.

The Property building was constructed prior to 1902 and was historically occupied by: a power station, car house, and repair shop for a railway company; automobile repair; a bus garage; and a Metropolitan Opera warehouse. The building was vacant since 2006.

At the time of AKRF's reconnaissance, the Property consisted of the vacant eastern portion of a one-story building with a partial cellar. The abutting western portion of the building is considered to be off-site and was used by Metropolitan Opera as a warehouse to store stage sets. The greater surrounding area was predominantly commercial and residential. A Verizon garage and a Metropolitan Transit Authority (MTA) bus garage were located on the south-adjacent block.

This assessment revealed the following:

Recognized Environmental Conditions (RECs)

- No evidence of petroleum storage tanks was noted on the Property, and no tanks were registered for the Property with the New York State Department of Environmental Conservation (NYSDEC). Computerized NYC Buildings Department records noted fuel oil use and a cellar-level boiler room at 495 West 129th Street (the collective address of the Property and the off-site Metropolitan Opera warehouse) in 1949. Thus, the Property building's cellar, which was not accessible for inspection, may have historically contained an aboveground or underground fuel oil tank, which may remain on the Property, or may have been removed.
- Historical uses of the Property building as: a power station, car house, and repair shop for a railway company; an automobile repair shop; and a bus garage may have affected subsurface conditions beneath the Property.
- The May 2008 subsurface investigation noted an apparent perched groundwater table approximately 13 feet below the building floor. Field evidence of contamination [elevated photoionization detector (PID) readings and petroleum-like odors) were noted in two borings at the south side of the Property, and elevated concentrations of petroleum-related volatile organic compounds (VOCs) were detected in a soil sample collected within the perched water table at the southwestern corner of the building. Based on field observations indicating that the contamination appeared to be associated primarily

with the perched water table and laboratory analytical results, the Phase II report concluded that the contamination did not appear to originate from an on-site petroleum spill, and was instead attributable to contaminant migration from an off-site spill.

- The Property is underlain by approximately 5 to 10 feet of fill (sand, gravel, silt, brick, concrete, ash and glass). The May 2008 subsurface investigation identified somewhat elevated concentrations of semi-volatile organic compounds (SVOCs) and metals in on-site soil, likely associated with historical uses of the Property and/or the fill materials. An approximately 20-cubic yard pile of soil, brick, and concrete associated with test pit excavation was observed during the reconnaissance; no odors or staining were noted.
- The east-adjacent auto repair shop was historically a garage with gasoline USTs, and was listed in the regulatory database as a generator of hazardous waste (benzene and chlorinated solvents). A Chinese laundry (which may have included dry cleaning) was historically located on the eastern side of the Property block. An apartment building on the eastern site of the Property block was identified with a PBS listing and an active-status spill. A Verizon garage registered as a Petroleum Bulk Storage (PBS) facility and a bus garage (a historical railway car house listed in the regulatory database with closed-status spills, a PBS listing, Chemical Bulk Storage, and a Toxic Chemical Release Inventory listing) were located on the south-adjacent block.

Controlled Recognized Environmental Condition (CREC)

- A Metropolitan Transit Authority (MTA) bus garage located on the south-adjacent block was listed in the regulatory database with several closed-status spills, a PBS listing, Chemical Bulk Storage, and a Toxic Chemical Release Inventory listing. This facility was historically a railway car house.

Other On-Site Environmental Concerns (items outside the scope of E1527-13 such as ACM, LBP and/or PCBs in building materials or fill/debris)

- Based on the building's age, asbestos-containing materials (ACM) may be present. Suspect ACM observed during the reconnaissance included: thermal pipe insulation; window glazing and caulking; and roofing materials. These materials were observed to be in fair to poor condition, with damaged thermal pipe insulation and roofing.
- Based on the building's age, lead-based paint may be present. Painted surfaces were observed to be in fair to poor condition, with peeling paint noted throughout the building. During the reconnaissance, there was no observation of residential occupancy, child care facilities, or other facilities where the extended presence of children would be expected.
- Based on the building's age, fluorescent lighting fixtures and electrical equipment on the Property may contain polychlorinated biphenyls (PCBs). No evidence of leaks or stains from these fixtures and equipment was observed.
- The Property underwent City Environmental Quality Review (CEQR) in 2009 for a rezoning. As part of CEQR, the developer entered into a Restrictive Declaration in April 2008 to ensure that remedial activities are completed to the satisfaction of the NYC Department of Environmental Protection (DEP) prior to or during construction of the proposed development. This would include the implementation of a Remedial Action Plan (RAP) and Construction Health and Safety Plan (CHASP) prepared by AKRF in May 2008 for the proposed development, as well as DEP requirements outlined in a July 31, 2008 letter commenting on the RAP and CHASP.

Potential for Vapor Migration

This Phase I assessment identified a potential for subsurface vapors and thus a potential for vapor migration onto the Property, based on the RECs noted.

RECOMMENDATIONS

- Historical uses of the Property and surrounding area may have affected subsurface conditions beneath the Property, and the 2008 Phase II investigation indicated petroleum contamination beneath a portion of the Property. Although the contamination was attributed to an off-site source, it is possible that excavation for Property redevelopment will indicate evidence of an on-site spill reportable to NYSDEC. Since the preparation of the May 2008 DEP-approved RAP and CHASP, management of Restrictive Declaration sites was transferred from the DEP to the NYC Mayor's Office of Environmental Remediation (OER). The Property remediation/redevelopment will need to be conducted to the satisfaction of OER as a condition for obtaining a Certificate of Occupancy for the new building. AKRF recommends contacting OER to determine the appropriate remedial measures, which may include: producing an updated RAP and CHASP (due to the age of the original RAP and CHASP and/or changes in the proposed development); additional subsurface investigation (e.g., groundwater and soil vapor sampling); and more stringent requirements for environmental monitoring during construction, and for vapor control measures to prevent vapor intrusion into the new building.
- Any excavated soil should be handled and disposed of in accordance with all applicable federal, state and local regulations. If any petroleum storage tanks are encountered, they should be properly assessed, closed, and removed. Any evidence of a petroleum spill must be reported to NYSDEC and addressed in accordance with applicable requirements. If dewatering is required during construction activities, it should be in accordance with DEP requirements.
- AKRF recommends sampling the damaged suspect ACM to determine whether they contain asbestos. Any damaged ACM should be removed or repaired in accordance with applicable requirements by a licensed asbestos abatement contractor. Regulatory requirements for ACM (or suspect ACM until proven not to be ACM) include maintenance requirements and, prior to any renovation or demolition, inspection/sampling by a NYC-certified asbestos investigator to determine whether the project will disturb ACM. Any ACM that would be disturbed by the renovation or demolition must be properly removed prior to such activity.
- Unless there is labeling or test data indicating that fluorescent lighting fixtures are not mercury- and/or PCB-containing, and that electrical equipment does not contain PCBs, if disposal is required, it should be performed in accordance with applicable federal, state, and local regulations and guidelines.
- Any activities (such as renovation or demolition) with the potential to disturb lead-based paint must be performed in accordance with applicable requirements (including federal Occupational Safety and Health Administration regulation 29 CFR 1926.62 - *Lead Exposure in Construction*).

TABLE OF CONTENTS

FIGURES

APPENDICES

1.0 INTRODUCTION

AKRF, Inc. (AKRF) was retained by Inner City Contracting LLC to perform a Phase I Environmental Site Assessment of a Property located at 487 West 129th Street, New York, NY (also identified as Tax Block 1969, Lot 6). At the time of AKRF's reconnaissance, the approximately 20,000-square foot Property was a vacant portion of a one-story building with a partial cellar. AKRF previously conducted a *Phase I ESA* (November 2007) and *Subsurface (Phase II) Investigation* (March 2008) of the Property, and prepared a *Remedial Action Plan (RAP) and Construction Health and Safety Plan (CHASP)* for construction proposed at the Property (May 2008).

At the time of AKRF's reconnaissance, the Property consisted of the vacant eastern portion of a one-story building with a partial cellar. The off-site western portion of the building was a Metropolitan Opera warehouse used to store stage sets. The greater surrounding area was predominantly commercial and residential. A Verizon garage and a Metropolitan Transit Authority (MTA) bus garage were located on the south-adjacent block.

The scope of services for this assessment was in conformance with ASTM Standard E1527-13 (*Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Practice)*. Any exceptions to, or deletions from, this practice are described in Section 8.0. The scope included the following:

- Observations of the Property (reconnaissance) to identify potential sources or indications of hazardous substances, including: aboveground storage tanks (ASTs); underground storage tanks (USTs); tank vents and fill ports; transformers and other items that could contain polychlorinated biphenyls (PCBs), drums or areas where hazardous materials were used, stored, or disposed; stained surfaces and soils; stressed vegetation, leaks, odors. In addition, neighboring properties were viewed, but only from public rights-of-way, to identify similar concerns.
- Readily available geological and groundwater (hydrogeological) information was evaluated to assist in determining the potential for contamination migration (including in soil, soil vapor and/or groundwater) within, from and onto the Property.
- The reconnaissance of the Property included observation of any readily visible suspect asbestos-containing materials (ACMs) and potential lead-based paint. However, no samples were collected or analyzed and this reconnaissance provides neither definitive nor exhaustive information.
- A state database of county-level radon concentrations was used to determine typical indoor radon levels and compare them to United States Environmental Protection Agency (USEPA) guidelines.
- Historical land use maps for the Property and nearby sites were reviewed to evaluate historical land uses.
- The following federal regulatory databases were reviewed to determine the regulatory status of the Property and other properties within the ASTM-defined radii: National Priority List (NPL); Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS); Emergency Response Notification System (ERNS); Toxic Release Inventory System (TRIS); the Permit Compliance System of Toxic Wastewater Discharges (WWD); the Air Discharge Facilities Index (ADF) and the USEPA Civil Enforcement Docket. The federal listing of facilities which are subject to corrective action under the Resource Conservation and Recovery Act (CORRACTS) is discussed with the State databases of RCRA listings.

- The following state regulatory databases were reviewed to determine the regulatory status of the Property and other properties within predetermined radii: petroleum and hazardous material spills (SPILLS); Resource Conservation and Recovery Act Notifiers (RCRA); Chemical Bulk Storage (CBS); Solid Waste Facilities (SWF); Petroleum Bulk Storage (PBS); State Inactive Hazardous Waste Disposal Sites (SHWS); Hazardous Substance Disposal Site Draft Study; Hazardous Waste Treatment, Storage or Disposal Facilities; Major Oil Storage Facilities (MOSF); Brownfield Cleanup Program (BCP); and Historic Utility Sites.
- Local agency reviews including NYC Fire Department records (obtained as part of the database search), online Buildings and Finance Departments records, and Environmental Quality Review (CEQR) E Designation Sites were conducted for the Property only.

2.0 PHYSICAL SITE DESCRIPTION

On May 30, 2014, Ms. Asya Bychkov of AKRF conducted a reconnaissance of the Property accompanied by Mr. John Schroeder of Inner City Contracting LLC, who answered pertinent questions. Neighboring properties were also viewed, but only from public rights-of-way. The weather was sunny and approximately 80 °F, the visibility good, and the premises adequately illuminated. Photographs from the reconnaissance are included in Appendix A.

2.1 General Site Conditions

The Property was located at 487 West 129th Street and comprised the approximately 20,000-square foot eastern portion of a single-story warehouse structure with a partial cellar, which was vacant at the time of the reconnaissance. The Property building was not served by elevators, unheated, and illuminated by natural light from roof-level windows and fluorescent lights.

The western portion of the warehouse (considered to be off-site) was owned and operated by the Metropolitan Opera. According to Mr. Schroeder, the Property was vacant since at least 2006 and was formerly part of the west-adjacent Metropolitan Opera warehouse used for storing stage sets. A concrete block demising wall was constructed to separate the two portions of the building in 2006. A mezzanine level was observed along the entire eastern length of the building.

A two-level brick enclosure was located in the southeastern corner of the Property. The ground floor of this enclosure contained a bathroom, locker room, and utility room with an (apparently electrically-powered) hot water heater. A stairwell adjacent to the utility room led to a vacant room on the upper (mezzanine) level, which was connected to the open mezzanine that ran along the eastern edge of the building. Mr. Schroeder believed that floor drains noted throughout the building were connected to the municipal sewer system.

Interior finishing materials included painted brick and concrete walls, concrete floors, and metal and wood ceilings. The building materials were observed to be in fair to poor condition, with peeling paint observed throughout, and holes noted in the roof. Puddles of rainwater and water staining (due to the damaged roof) were observed on the building floor. Two test pits adjacent to building walls and several small holes (reportedly the locations of geotechnical borings) were noted in the floor. An approximately 20-cubic yard pile of soil, brick, and concrete associated with test pit excavation was observed in the building. No odors or oil-like staining were noted on the building floor or in the soil. A monitoring well installed during a 2012 geotechnical study (see Section 7.0) was observed in the northern portion of the Property. A second monitoring well installed in the central portion of the Property during the same study was not observed, but may remain on-site since no record of its removal was provided.

A doorway in the northeastern corner of the building led to a cellar, which could not be accessed due to a steep entrance staircase partially blocked by building debris and fallen leaves (a steel grate above the staircase was open to air). An approximately 20-foot by 20-foot area of the ground floor was elevated approximately six inches above the main floor grade, possibly corresponding to the cellar's ceiling. The steel grate and a metal hatch were located at the West 130th Street level above the cellar entrance, and were visible from West 130th Street. Mr. Schroeder was not aware of the existence or purpose of this cellar. A pulley system observed at the cellar entrance may have been used historically for moving items stored in the cellar.

2.2 Topography and Hydrogeology

Based on a 2005 survey, the Property is located at an elevation of approximately 36.4 feet above the Manhattan Borough Datum (MBD). Regional surface topography slopes down to the southwest. The north-adjacent sidewalk at West 130th Street is at an elevation of approximately 60.8 to 53.9 feet MBD. Previous studies summarized in Section 7.0 indicated that the Property is underlain by approximately 5 to 10 feet of fill (sand, gravel, silt, brick, concrete, ash and glass) above a layer of apparent native soil (sand, gravel, and silt). A geotechnical study in 2012 identified apparent concrete layers approximately 5 to 10 feet below the building floor, possibly associated with historical rail car repair pits. Weathered bedrock was encountered approximately 35 to 61 feet below the building floor, and competent bedrock was encountered approximately 36 to 66 feet below the building floor, sloping down toward the south.

A subsurface investigation (AKRF, May 2008) identified apparent perched groundwater approximately 13 feet below the building floor. The geotechnical study indicated that groundwater was approximately 24.3 to 25 feet below the building floor. Based on USGS mapping, groundwater is expected to flow in a southwesterly direction toward the Hudson River, approximately 0.45 mile away. However, actual water table depth and groundwater flow direction can be affected by many factors including subsurface openings or obstructions such as basements, underground utilities, bedrock geology, the A/B/C/D Line subway tunnels approximately 1,000 feet to the east, and other factors beyond the scope of this assessment. Groundwater in Manhattan is not used as a source of potable water.

2.3 Storage Tanks

2.3.1 Underground Storage Tanks (USTs)

During the reconnaissance, no evidence, such as vent pipes, fill caps, or concrete patches, was observed that would indicate USTs are or were present at the Property. No records relating to USTs on the Property were identified in the regulatory database or computerized NYC Fire Department (FDNY) records.

Computerized NYC Buildings Department records for 495 West 129th Street (a historical collective address of the Property and the off-site Metropolitan Opera warehouse) included a 1949 oil burner application, and a 1949 Certificate of Occupancy noting that the building had a boiler room in the cellar. No fuel tank was located in the cellar of the off-site warehouse at the time of the November 2007 Phase I ESA. The Property cellar was not accessed for inspection. The historical fuel tank may have been located on-site or in the off-site portion of the building, and may have been an aboveground storage tank (AST) or a UST.

Off-site USTs are discussed in Section 5.2.2.

2.3.2 Aboveground Storage Tanks (ASTs)

During the reconnaissance, no evidence, such as tanks or vaults likely to contain tanks, vent pipes, or fill caps, was observed to indicate that ASTs are or were present at the Property. No records relating to ASTs on the Property were identified in the regulatory database or computerized FDNY records.

As previously noted, computerized NYC Buildings Department records for 495 West 129th Street included a 1949 oil burner application and a 1949 Certificate of Occupancy noting that the building had a boiler room in the cellar. No fuel tank was located in the cellar of the abutting warehouse at the time of the November 2007 Phase I ESA. The Property cellar was not accessible for inspection. The historical fuel tank may have been located on-site or in the off-site portion of the building, and could have been an AST or a UST.

Off-site ASTs are discussed in Section 5.2.2.

2.4 Polychlorinated Biphenyls (PCBs)

Until 1979, polychlorinated biphenyls (PCBs), which provided beneficial insulating properties, were used in a variety of products, in particular electrical equipment such as transformers, capacitors, fluorescent light fixtures, and voltage regulators, but also in hydraulic fluids and some other products such as caulking.

Based on the building's age, fluorescent lighting fixtures and electrical equipment may contain PCBs. No evidence of leaks or stains from these fixtures was observed.

2.5 Lead-Based Paint

After 1977, the use of lead-based paint inside commercial structures was restricted and its use elsewhere became less common, but lead-based paint may still sometimes be used outdoors. Lead-based paint can present a hazard, particularly to children, especially when it is in poor condition.

Exterior and interior painted surfaces were observed to be in fair to poor condition, with peeling paint noted throughout the building. During the reconnaissance, there was no observation of residential occupancy, child care facilities, or other facilities where the extended presence of children would be expected.

Activities (such as renovation or demolition) with the potential to disturb lead-based paint are subject to a variety of requirements, including US Occupational Safety and Health Administration regulation 29 CFR 1926.62 (Lead Exposure in Construction).

2.6 Utilities

The Property was supplied with electricity. The Property was connected to the municipal water and sewer systems, and Mr. Schroeder believed that floor drains on the Property were connected to the municipal sewer system.

2.7 Waste Management and Chemical Handling

The Property was vacant, with no waste generation observed at the time of the reconnaissance. An approximately 20-cubic yard pile of soil, brick and concrete associated with test pit excavation was observed; no odors or staining were noted. No chemical storage was noted on the Property.

2.8 Radon

Radon is a colorless, odorless gas most commonly produced by the natural radioactive decay of certain rocks. According to a New York State Department of Health database the average level of radon found in basements in Manhattan is 2.08 picocuries/liter, below the USEPA recommended action level of 4.0 picocuries/liter.

3.0 ASBESTOS-CONTAINING MATERIALS (ACM)

Asbestos refers to a group of natural minerals that provide good fire resistance and insulation. Asbestos is also commonly found in vinyl flooring, plaster, sheetrock, joint compound, ceiling tiles, roofing materials, gaskets, mastics, caulks and other products. Materials containing more than one percent asbestos are considered asbestos-containing materials (ACM). ACM are classified as either friable (i.e., more readily release fibers, such as most spray-applied fireproofing) or non-friable (such as floor tiles).

Suspect ACM observed during the reconnaissance included: thermal pipe insulation; window glazing and caulking; and roofing materials. These materials were observed to be in fair to poor condition, with damaged thermal pipe insulation and roofing observed. ACM may also be present in other locations not readily accessible during the reconnaissance. This reconnaissance did not constitute and cannot substitute for an asbestos survey, which includes comprehensive inspection and material sampling with laboratory testing.

AKRF recommends sampling the damaged suspect ACM to determine whether they contain asbestos. Any damaged ACM should be removed or repaired in accordance with applicable requirements by a licensed asbestos abatement contractor. Regulatory requirements for ACM (or suspect ACM until proven not to be ACM) include maintenance requirements and, prior to any renovation or demolition, inspection/sampling by a NYC-certified asbestos investigator to determine whether the project will disturb ACM. Any ACM that would be disturbed by the renovation or demolition must be properly removed prior to such activity.

4.0 ADJACENT LAND USE

The western (off-site) portion of the building was a Metropolitan Opera warehouse used to store stage sets. The greater surrounding area was predominantly commercial and residential. An apparent vacant warehouse east-adjacent to the Property contained an auto repair shop on the ground floor. A Verizon garage and an MTA bus garage with a smokestack (the Amsterdam Bus Depot) were located on the south-adjacent block. The smokestack may be associated with historical industrial uses or a heating plant; however, no such uses were identified in the MTA garage on historical Sanborn maps. A park with a swimming pool was located on the southwest-adjacent block. Riverside Park was located two blocks to the east.

5.0 PROPERTY HISTORY AND RECORDS REVIEW

5.1 Prior Ownership and Usage

5.1.1 Historical Land Use Maps

Historical maps were reviewed for indications of uses (or other evidence) suggesting hazardous materials generation, usage or disposal on or near the Property. Specifically, Sanborn Fire Insurance Maps from 1893, 1902, 1909, 1912, 1951, 1969, 1976, 1989, and 2006 were reviewed.

1893

Sanborn coverage was not available for the Property in 1893.

Land north of the Property was shown on the 1893 map. The Convent of the Sacred Heart comprised a large campus located approximately 200 feet north-northeast of the Property. A coal storage facility was located at the northern end of the Convent. A contractor's yard and a hospital were located approximately 300 feet north of the Property on the corner of West 131st Street and Amsterdam Avenue. A coal yard was located approximately 400 feet northwest of the Property on West 130th Street. A factory labeled "Smith and Kaufman Silk Ribbon" was located approximately 600 feet north-northwest of the Property on West 132nd Street. The remainder of the surrounding area was developed primarily with two to five-story dwellings and commercial buildings.

1902

The Property was developed with as a one-story building labeled as a Metropolitan Street Railway Company power station.

A vacant lot was west-adjacent to the Property, with two to five-story dwellings and commercial buildings beyond. Vacant lots and a single-story dwelling were east-adjacent to the Property. A railway car house and a wagon yard were located south of the Property across West 129th Street. The Manhattan Brewery, an iron works, and a blacksmith were located approximately 500 feet south of the Property. The remainder of the surrounding area was developed primarily with two to five-story dwellings and commercial buildings. No other significant changes from the 1893 map were noted.

1909

Sanborn coverage was not available for the Property in 1909.

Land north of the Property was shown on the 1909 map. A Chinese Laundry was located approximately 700 feet northwest of the Property at the corner of West 131st Street and Old Broadway. A coal yard was present approximately 800 feet northeast of the Property. A school was shown on the northeast-adjacent block. The remainder of the surrounding area was primarily residential and commercial in nature.

1912

The Property building was labeled as the Third Avenue Railway Company Car House and Repair Shop.

Two to five-story dwellings and commercial buildings were located west of the Property on the same block. A garage and repair shop was located at the east-adjacent site and contained two 550-gallon gasoline USTs and one 825-gallon gasoline UST. The Bernaeimer and Schwartz Pilsner Brewing Company, which included an ice house and ice plant, were located approximately 200 feet southeast of the Property across West 129th Street. A Chinese laundry was located approximately 500 feet west of the Property on Old Broadway. A garage with one 250-gallon gasoline UST was located approximately 700 feet west of the Property, between West 129th and West 130th Streets. The remainder of the surrounding area was developed primarily with two- to six-story dwellings and commercial buildings, with some manufacturing and light industrial facilities throughout.

1951

The Property building was labeled the Metropolitan Opera Association Warehouse, and had been extended westward to include the former vacant lot west-adjacent to the Property (the current location of the off-site Metropolitan Opera warehouse). A small cellar with an apparent boiler was shown in the northeastern corner of the Property building, and a small enclosure (possibly the existing two-level brick enclosure) was shown in its southeastern corner.

The 825-gallon gasoline UST and one 550-gallon gasoline UST shown on the 1912 map remained in the east-adjacent garage, but the second 550-gallon gasoline UST was no longer shown in this building. A Chinese laundry was located approximately 150 feet east of the Property on the same block. The railway car house shown on the 1902-1912 maps south of the Property across West 129th Street was labeled as a bus garage, and a repair shop was located in the southeastern corner of this building. A garage located approximately 200 feet southeast of the Property across West 129th Street contained four 550-gallon gasoline USTs. Two garage and repair shops with gasoline USTs were located approximately 500 to 700 feet north-northwest of the Property. Three gasoline filling stations with several gasoline USTs were noted approximately 800 to 1,000 feet west of the Property. A building labeled the Uncle Sam Chemical Manufacturing Company, located approximately 1,000 feet north-northwest of the Property near the intersection of West 131st Street and Old Broadway, had two 550-gallon gasoline USTs. Two additional school buildings and a swimming pool were shown on the northeast-adjacent block. The remainder of the surrounding area was developed with two- to six-story dwellings, commercial buildings, garages, automotive-related facilities, hospitals, and warehouses.

1969

Sanborn coverage was not available for the Property in 1969.

Land to the north of the Property was shown on the map. The College of the City of New York, formerly the Convent of the Sacred Heart, was located approximately 200 feet north-northeast of the Property. A coal storage facility was located at the northern end of the college. A paint shop was located approximately two blocks north of the Property on Amsterdam Avenue between West 131st and West 133rd Streets. A laundry facility and a boiler room were shown at the Manhattanville Houses apartment building complex, located approximately 500 to

800 feet northwest of the Property. The remainder of the area denoted on the available maps was developed primarily with two- to six-story dwellings and commercial buildings.

1976

No changes from the 1951 map were noted at the Property.

The bus garage located south of the Property across West 129th Street was shown with two repair shops in its southern portion. The Chinese laundry shown on the 1951 map approximately 150 feet east of the Property was no longer present. No other significant changes from the 1951 and 1969 maps were noted in the surrounding area.

1989

No significant changes from the 1976 map were noted on the Property or in the surrounding area.

2006

The Property remained similar to the 1989 map.

The garage located approximately 200 feet southeast of the Property was labeled as a Verizon garage. Due to the level of detail, the map did not specify whether gasoline USTs were present in this garage or the garage east-adjacent to the Property. No further significant changes from the 1989 map were noted in the surrounding area.

To summarize, the Sanborn maps indicated that the Property building was constructed prior to 1902 and was historically occupied by a power station for a railway company, followed by a railway car house and repair shop. The building was used as a Metropolitan Opera warehouse since sometime between 1912 and 1951. The 1951-2006 Sanborn maps showed a small cellar with an apparent boiler in the northeastern corner of the Property building, and a one-story addition to the western side of the building (the existing abutting Metropolitan Opera warehouse).

Nearby sites with some potential to have affected subsurface conditions beneath the Property included: an east-adjacent garage and auto repair shop with gasoline USTs; a Chinese laundry on the eastern side of the Property block (which may have included dry cleaning); a railway car house (followed by a bus garage) with repair shops on the south-adjacent block; and a garage with gasoline USTs on the south-adjacent block. The surrounding area historically included residential, commercial, manufacturing and auto-related uses.

5.1.2 Historical Aerial Photographs

Since historical fire insurance maps were available for the Property (and surrounding area) and these maps included information relating to land use, aerial photographs would, most likely, not provide additional useful information relevant to the potential for recognized environmental conditions or other environmental concerns. As such, aerial photographs were not reviewed.

5.1.3 Property Tax Files and Zoning Records

Based on NYC Department of City Planning's Primary Land Use Tax Output (PLUTO) information provided by Toxics Targeting, Inc. of Ithaca, New York, the Property tax lot is zoned as R7A (general residence), and was listed with one building built in 1900 and classified as E1 (warehouse). This was consistent with historical Sanborn maps, which indicated that the Property building was constructed prior to 1902.

5.1.4 Recorded Land Title Records

Title records provided by Inner City Contracting LLC identified West 129th Street Realty LLC as the Property owner, and indicated that the Property was purchased from the Metropolitan Opera Association Inc. in 2005. No environmental liens or Activity and Use Limitations (AULs) were identified.

5.1.5 Local Street Directories

City Directories prepared by Environmental Data Resource, Inc. were reviewed. The City Directories consisted of the names of businesses located on-site and in adjacent properties, compiled from city and telephone directories and listed at approximately seven-year intervals starting with 1920. The directories identified the following at the Property address: automotive repair in 1927; a bus garage in 1934; a garage and warehouse in 1942; and a transit corporation in 1947. These historical on-site uses may have affected subsurface conditions beneath the Property.

The City Directory search results are included in Appendix E.

5.2 Regulatory Review

The regulatory database listings, shown in Appendix B, were obtained from Toxics Targeting, Inc. of Ithaca, New York. The introduction of Appendix C includes summaries of the databases searched, their radii around the Property and limitations of the data. The databases searched and associated radii were consistent with ASTM E1527-13.

5.2.1 Federal

Databases searched included the National Priority List (NPL); Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS); Emergency Response Notification System (ERNS); Toxic Chemical Release Inventory System (TRIS); the Permit Compliance System of Toxic Wastewater Discharges (WWD); the Air Discharge Facilities Index (ADF); and the USEPA Civil Enforcement Docket. Facilities subject to corrective action under the Resource Conservation and Recovery Act (CORRACTS) are discussed with State RCRA listings.

National Priority List (NPL)

The NPL is the USEPA's list of sites that probably require remedial action under the Superfund Program. Nearby NPL sites can sometimes pose a risk of stigmatizing surrounding properties and thus impacting property values.

One NPL site was identified within a one-mile radius of the Property. The Hudson River PCB Sediments site, associated with sediment contamination in the Hudson River, approximately 0.45 mile west of the Property, is not anticipated to affect the Property based on listing details.

Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS)

CERCLIS is a compilation of sites which the USEPA has investigated, or plans to investigate, pursuant to the Superfund Act of 1980 (CERCLA). As such, some of these sites may ultimately present concerns and others may not (but could still pose a perceived concern).

One CERCLIS site was identified within a ½-mile radius of the Property. The Hudson River PCB Sediments site, associated with sediment contamination in the Hudson River, approximately 0.45 mile west of the Property, is not anticipated to affect the Property based on listing details.

Emergency Response Notification System (ERNS)

This federal database, compiled by the Emergency Response Notification System, records and stores information on certain reported releases of petroleum and other potentially hazardous substances.

No potentially on-site ERNS listings were identified.

Toxic Chemical Release Inventory System (TRIS)

The TRIS contains information reported by a variety of industries on their annual estimated releases of certain chemicals.

One TRIS site was identified within a ⅛-mile radius of the Property. Amsterdam Bus Depot, located at 1381 Amsterdam Avenue, approximately 220 feet south-southwest of the Property, was listed for the transfer of 9,500 pounds of ethylene glycol (antifreeze) to a waste broker for recycling in 1997. Although a minor antifreeze spill was reported at this facility, based on its location in an anticipated downgradient groundwater flow direction, this listing not expected to have significantly affected the Property.

Permit Compliance System of Toxic Wastewater Discharge (WWD)

This database includes certain sites which discharge wastewater containing potentially hazardous chemicals.

No WWD facilities were reported within a ⅛-mile radius of the Property.

United States Environmental Protection Agency Civil Enforcement Docket

This database tracks civil judiciary cases filed on behalf of the USEPA by the Department of Justice.

No facilities were listed in the USEPA's Civil Enforcement Docket within a ⅛-mile radius of the Property.

Air Discharge Facilities Index (ADF)

This federal database includes information on certain air emission sources.

Two Air Discharge Facilities were identified within a ⅛-mile radius of the Property, but were not anticipated to affect the Property based on location (more than 240 feet away in anticipated downgradient or cross-gradient groundwater flow directions) and listing details.

5.2.2 State

State databases included the listings of petroleum/hazardous material spills (SPILLS); Resource Conservation and Recovery Act Notifiers (RCRA); Chemical Bulk Storage (CBS); Solid Waste Facilities (SWF); Petroleum Bulk Storage (PBS); State Inactive Hazardous Waste Disposal Sites (SHWS); Major Oil Storage Facilities (MOSF); Brownfield Cleanup Program (BCP) Sites; and Historic Utility Sites.

New York SPILLS Database

The New York SPILLS database includes a list of releases reported to the NYSDEC, including those attributed to tank test failures and tank failures. The tank test failures list only covers tanks that are below ground, while the tank failures list includes those that are either below or above ground. This database also lists spills that occur during the transportation of chemicals.

No spills were reported for the Property. Four hundred fifty-six spills were reported within a ½-mile radius of the Property, including 28 active-status spills and 428 closed-status spills. Releases with some potential to affect subsurface conditions beneath the Property included the following:

- In October 2012, a tank test failure was reported at an apartment building at 48 Convent Avenue, approximately 190 feet east-southeast of the Property. According to the listing, a No. 6 fuel oil AST failed a tightness test and was to be repaired and re-tested. The listing remains active.
- Amsterdam Bus Depot, located at 1381 Amsterdam Avenue, approximately 220 feet south-southwest of the Property, was listed for ten closed-status petroleum spills. Two spills were reported for tank test failures in January 1992 and July 1994. Additionally, approximately 400 gallons of petroleum, paint, lube oil, hydraulic oil, and/or antifreeze were reportedly released at the site during maintenance and other on-site activities between 1992 and 2002.

Although these listings may have affected the Property, the potential for impact is minor based on the listing details and the anticipated groundwater flow direction. Based on the listing details, distance, and/or the anticipated groundwater flow direction, other spill listings are not likely to have affected the Property. Details of all listed spills are included in Appendix C.

Resource Conservation and Recovery Act (RCRA) Notifiers Listings

The NYSDEC's Bureau of Hazardous Waste Facility Compliance regulates hazardous waste from the point of generation to the point of disposal. The identified sites tracked on this list are those which have filed notification forms in accordance with the Resource Conservation and Recovery Act requirements regarding their hazardous waste activity. These sites include treatment, storage and disposal facilities (TSDs); small-quantity and large-quantity generators; and transporters of hazardous waste regulated under RCRA. The discussion below includes any CORRACTS listings of facilities which are subject to corrective action under RCRA.

Two RCRA TSD facilities were identified within a ½-mile radius of the Property, but were not anticipated to affect the Property based on their locations of more than 1,490 feet in anticipated cross-gradient groundwater flow directions. One of these TSD

facilities was also identified as a CORRACTS facility. No other CORRACTS sites were reported within a one-mile radius of the Property.

Fifty-six RCRA Generators/Transporters were reported within a ⅛-mile radius of the Property. The nearest facility, LCS Development LLC, located at 40 Convent Avenue, east-adjacent to the Property, was listed as a Conditionally Exempt Small Quantity Generator (CESQG) of benzene, carbon tetrachloride, 1,1-dichloroethylene, tetrachloroethylene, trichloroethylene and vinyl chloride in 2014. This facility may have affected subsurface conditions beneath the Property. 40 Convent Avenue was identified as a garage and auto repair shop with gasoline USTs on historical Sanborn maps, and was observed to include auto repair during the reconnaissance. A Chinese Laundry (potentially a dry cleaner) was east-adjacent to this building on the 1951 Sanborn map.

Based on their location and/or listing details, the remaining RCRA facilities are not anticipated to have affected the Property.

Chemical Bulk Storage (CBS) Database

The New York CBS is a list of facilities that store regulated non-petroleum substances in aboveground tanks with capacities greater than 185 gallons and/or in underground tanks of any size.

Two CBS facilities were listed within a ⅛-mile radius of the Property. Amsterdam Bus Depot, located at 1381 Amsterdam Avenue, approximately 260 feet southwest of the Property, was listed with: two closed and removed ethylene glycol (antifreeze) ASTs; one former 500-gallon ethylene glycol AST converted to an unspecified use; and one active 500-gallon ethylene glycol AST. Although a minor antifreeze spill was reported at this facility, based on its location in an anticipated downgradient groundwater flow direction, this listing not expected to have significantly affected the Property. The second facility was unlikely to have affected the Property based on its location approximately 470 feet west-southwest (in an anticipated downgradient groundwater flow direction) of the Property.

Solid Waste Facilities (SWF)

This database includes a listing of landfills, incinerators, transfer stations, recycling centers, and other sites which manage solid waste.

No Solid Waste Facilities were identified within a ½-mile radius of the Property.

Petroleum Bulk Storage (PBS) Database

The New York State PBS lists commercial facilities with registered petroleum tanks located either above or below ground in excess of 1,100 gallons and less than 400,000 gallons.

The Property was not listed on the PBS database. Twenty-one PBS sites were identified within a ⅛-mile radius of the Property. Details of PBS facilities with some potential to affect environmental conditions at the Property based on their proximity and/or listing details are listed in Table 1.

Table 1
Area Petroleum Bulk Storage Facility Data

Location	Capacity (gallons)	Product Stored	Status	Approximate Distance/Direction from Property
Amsterdam Bus Depot 1381 Amsterdam Avenue	4 x 5,000 UST 1,000 UST 550 UST 15,000 AST 2 x 4,000 AST 4,000 AST 500 AST 500 AST 15,000 AST 1,080 UST 1,000 AST 3 x 400 AST 1,000 AST 10,000 AST	Diesel Lube Oil Other No. 2 Fuel Oil Diesel No. 2 Fuel Oil Waste Oil Other No. 2 Fuel Oil Lube Oil Lube Oil Other Other Diesel	Closed In Place Closed In Place Closed In Place Closed In Place Closed-Removed Closed-Removed In Service Administr. Closed In Service Closed In Place In Service Converted to Non-Regulated Use In Service Temp. Out of Service	220 feet south-southwest
Verizon New York 460 West 129th Street	2 x 4,000 UST 4,000 UST 550 AST	Gasoline Gasoline Waste Oil	Closed-Removed In Service In Service	350 feet south-southeast
48 Convent Avenue	5,000 AST	No. 2 Fuel Oil	In Service	200 feet east-southeast

Notes: AST - aboveground storage tank
UST - underground storage tank

An active-status spill at 48 Convent Avenue, and closed-status spills at Amsterdam Bus Depot, were identified with limited potential to affect the Property. Based on their distance and the anticipated groundwater flow direction, the remaining PBS listings are unlikely to have affected the Property. No releases with the potential to affect the Property were reported for the other PBS facilities. Details of the PBS facilities located within a ⅛-mile radius of the Property are included in Appendix C.

State Inactive Hazardous Waste Disposal Site Registry (SHWS)

This database maintains information and aids decision-making regarding the investigation and clean-up of hazardous sites. The Registry's information includes the clean-up status, type of clean-up, types and quantities of contaminants involved, and the assessment of health and environmental concerns.

Two State Inactive Hazardous Waste Disposal Sites were reported within a one-mile radius of the Property. Based on their location of more than 0.45 mile in anticipated downgradient groundwater flow directions, these sites are not expected to have affected the Property.

State Hazardous Substance Waste Disposal Site Study (SHSWDS)

This database tracks waste disposal sites that may pose threats to public health or the environment, but that cannot be remediated using monies from the Hazardous Waste Remediation Fund.

No SHSWDSs were identified within a one-mile radius of the Property.

Major Oil Storage Facilities (MOSF) Database

These facilities may be on-shore facilities or vessels with petroleum storage capacities of 400,000 gallons or more.

No Major Oil Storage Facilities were reported within a ⅛-mile radius of the Property.

Environmental Restoration Program

These sites (which are generally municipally-owned) are receiving New York State funding, through the Clean Water/Clean Air Bond Act of 1996, to reimburse costs for site investigation and remediation. Some sites in this program have known extensive contamination, whereas others have more limited contamination or have not had sufficient investigation to determine whether or not contamination is present.

No Environmental Restoration Programs were identified within a ½-mile radius of the Property.

Voluntary Cleanup Program

In contrast to the Environmental Restoration Program, the Voluntary Cleanup Program is a NYSDEC program for investigation and remediation of generally privately-owned sites. It allows volunteers to obtain NYSDEC liability releases following cleanup. New sites are no longer accepted into this program (see the Brownfield Cleanup Program, below) though existing sites may continue to be addressed. Some sites in this program have known extensive contamination, whereas others have more limited contamination or have not had sufficient investigation to determine whether or not contamination is present.

One Voluntary Cleanup Program site was identified within a ½-mile radius of the Property. Consolidated Edison-West 132nd Street Station, located approximately 1,700 feet northwest of the Property at 12th Avenue between West 131st and West 133rd Streets, was is the location of two former manufactured gas holders, the last of which was closed in 1962. Based on its distance and the anticipated groundwater flow direction, this facility is unlikely to have affected the Property.

Brownfield Cleanup Program

In 2003, a New York State law established this successor to the Voluntary Cleanup Program. In addition to liability releases, it established a variety of tax credits for sites remediated through the program. Some sites in this program have known extensive contamination, whereas others have more limited contamination or have not had sufficient investigation to determine whether or not contamination is present.

One Brownfield Cleanup Program site was identified within ½-mile of the Property, but based on its location of more than 0.45 mile south (in an anticipated cross-gradient groundwater flow direction), it is not likely to have affected the Property.

Historic Utility Sites

This is an inventory of certain power generating stations, manufactured gas plants, gas storage facilities, maintenance yards and other gas and electric utility sites identified in various historic documents, maps and annual reports from 1898 to 1950.

No historical utility sites were reported within a ⅛-mile radius of the Property.

5.2.3 Local Agency File Review

Records available online from the New York City Fire, Buildings and Finance Departments were viewed for the Property. The Fire Department records were obtained by Toxics Targeting, Inc. as part of the regulatory database search. Since the records typically address a multitude of issues, the review focused on items likely to relate to the potential presence of hazardous materials, e.g., petroleum tank installation applications and permits, and records indicating prior uses. Copies of pertinent information are included in Appendices C (Fire Department Records) and D (Buildings and Finance Department Records).

Fire Department (FDNY)

The computerized FDNY Tanks database was searched regarding past or current motor vehicle fuel and heating oil tank listings within a ⅛-mile radius of the Property. The Property was not identified in the FDNY database. Seven listings were identified in computerized FDNY tank records within the ⅛-mile radius. The nearest facility, located at 450 West 131st Street, approximately 295 feet northeast of the Property, was listed with a 10,000-gallon No. 2 fuel oil tank (unspecified whether UST or AST). Based on its proximity and the anticipated groundwater flow direction, although no spills were listed for this site in the NYSDEC database, potential undetected releases from this off-site facility may have affected the Property. Based on listing details, distance, and/or the anticipated groundwater flow direction, the remaining facilities are unlikely to have affected subsurface conditions beneath the Property.

Buildings Department (DOB)

Computerized Buildings Department records for the Property tax lot identified no records. The following records were identified for 497 West 129th Street (the off-site portion of the building):

- A 1921 Certificate of Occupancy (C of O) for a one-story garage at 487-497 West 129th Street.
- A 1949 C of O for a one-story warehouse with a boiler room in the cellar.
- A 1949 oil burner application.
- A 2006 application to install a demising wall dividing the building (signed off in 2011).
- A 2010 application to increase the height of the demising wall from 29 to 30 feet to extend to the roof (signed off in 2011).

The majority of the other listed actions were associated with various inspections, alterations and repairs. Files pertaining to the oil burner application were unavailable for review. The tank associated with this application (likely located in or near the boiler room) may have been located in the on-site cellar, or in the off-site portion of the building.

Land Title Records and Tax Records

Electronic property transaction records for the Property Block and Lot were reviewed from the New York City Department of Finance Office of the City Register Automated City Register Information System (ACRIS). Deed information obtained from the ACRIS files is summarized as follows:

Year	Grantor/Grantee Listed on Deed
2005	Grantor is: Metropolitan Opera Association, Inc.; Grantee is: West 129th Street Realty II, LLC
2005	Grantor is: : Metropolitan Opera Association, Inc.; Grantee is: Metropolitan Opera Association, Inc.

The ACRIS records also identified a Restrictive Declaration recorded in April 2008, which is discussed in Section 7.0.

Department of City Planning

A search of NYC Environmental Quality Review Requirements (CEQR) data by Toxics Targeting, Inc. indicated that three lots within a ⅛-mile radius of the Property, including one lot east-adjacent to the Property, were assigned (E) designations in December 2009 as a result of the West 129th Street Rezoning (07DCP076M). The designations included hazardous materials-related requirements, which may not represent known contamination, but indicate that the potential for hazardous materials issues at these locations was identified during environmental review for the rezoning. The Property was not assigned an (E) designation.

5.2.4 Additional Environmental Record Sources

To enhance the search, ASTM requires that additional local records be reviewed (i.e., beyond those included as part of the standard database search or checked online) when, in judgment of the environmental professional, such records for the Property or any adjoining property would be reasonably ascertainable; useful, accurate and complete in light of the objective of the records review. These records may include:

- Local Brownfields Lists
- Local Lists of Landfill/solid waste disposal sites
- Local Lists of Hazardous Waste/Contaminated Sites
- Local Lists of Registered Tanks
- Local Land Records (for activity use limitations)
- Records of emergency release reports
- Records of contaminated public wells

Sources for these records include:

- Department of Health/Environmental Division
- Fire Department
- Building Permit/Inspection Department

- Local/Regional Pollution Control Agency
- Local/Regional Water Quality Agency
- Local Electric Utility (for PCB records)

In AKRF's judgment, no such additional local records meeting the ASTM criteria are pertinent for the Property or any adjoining properties, and a review of additional records would not likely add significant pertinent information or affect the conclusions of this report.

6.0 USER-PROVIDED INFORMATION

In preparing this Phase I ESA, AKRF requested that Inner City Contracting LLC provide any pertinent information regarding the Property, specifically:

- Whether any *environmental liens* or *activity and land use limitations (AULs)* are in place or filed or recorded against the Property?
- Whether they had any specialized knowledge or experience related to the Property or nearby properties (e.g., specialized knowledge of any chemicals used on-site)?
- Whether they were aware of commonly known or reasonably ascertainable information about environmental conditions of the Property?
- Whether they were aware of any obvious indicators of contamination at the Property?
- Whether there is any historic fill on-site?
- Whether they had any information regarding an active spill on the Property?
- Whether they were aware of any pending, threatened, ongoing or past litigation/enforcement action/consent order/notice of violation related to hazardous substances or petroleum products?

According to Inner City Contracting LLC, the Phase I was performed to evaluate the Property prior to the demolition of the on-site portion of the building, followed by the construction of a new residential building. Previous studies provided by Inner City Contracting LLC are summarized in Section 7.0. Mr. Schroeder had no information regarding any hazardous waste generation on the Property, environmental liens or other activity use limitations on the Property, any pending, threatened, ongoing or past litigation/enforcement action/consent order/notice of violation related to hazardous substances or petroleum products, or any obvious indicators of contamination on the Property. To the extent that pertinent additional information was provided, it has been summarized elsewhere in this report.

7.0 PREVIOUS STUDIES

Phase I Environmental Site Assessment – 495 West 129th Street, AKRF, Inc., November 2007

A Phase I ESA was conducted for the Property in 2007 (495 West 129th Street was the collective address of the Property and the abutting Metropolitan Opera warehouse). The Phase I ESA indicated the following:

- Historical use of the Property as a power station, car house, and repair shop for a railway company, followed by a Metropolitan Opera warehouse.

- On-site floor drains that were suspected to be drywells. However, during the Subsurface (Phase II) Investigation, pipes were observed in the floor drains (i.e., these drains likely connected to the municipal sewer system, and were thus not drywells.)
- NYC Buildings Department records for 495 West 129th Street included a 1949 oil burner application, and a 1949 Certificate of Occupancy noting that the building had a boiler room in the cellar. The on-site cellar was not observed during the 2007 reconnaissance, likely due to the entrance being obscured by the mezzanine structure. A cellar was observed in the abutting Metropolitan Opera warehouse. Warehouse employees interviewed during the Phase I ESA had no knowledge of any tanks in the building. The Phase I ESA concluded that the suspect tank indicated by the oil burner application may have been located in the off-site warehouse's cellar in the past. However, the 2014 reconnaissance identified a small partial cellar on the Property, which was inaccessible for inspection. The suspect tank may be located in this cellar, or may have been located there in the past.
- Past and present uses of the surrounding area with some potential to have affected the Property, including properties with gasoline USTs and/or reported spills in an anticipated upgradient groundwater flow direction and/or in close proximity to the Property.

Subsurface (Phase II) Investigation – 487 West 129th Street, AKRF, Inc., March 2008

AKRF conducted a subsurface (Phase II) investigation at the Property in March 2008. The investigation entailed the advancement of five borings throughout the Property, and the collection of eight soil samples for laboratory analysis. The investigation identified the following:

- The Property was underlain by approximately 4.5 to 6.5 feet of fill materials (sand, gravel, silt, brick, concrete, ash and glass). In two borings, the fill was underlain by apparent native soil (sand, silt and gravel). Refusal was encountered at shallow depths (approximately 4.5 to 14 feet below Property floor grade). Groundwater was encountered approximately 13 feet below floor grade in boring SB-2 in the southwestern corner of the Property, and was likely perched on bedrock. A sufficient volume of water could not be collected for analysis.
- An elevated photoionization detector (PID) reading and a petroleum-like odor were detected in the boring in the southwestern corner of the Property at approximately 10.5-14.5 feet below floor grade. A slight petroleum-like odor and an elevated PID reading were noted in the boring in the southeastern corner of the Property at a depth of approximately 4.5 feet, but boring recovery was poor (mainly gravel and concrete); a sufficient amount of soil could not be collected for laboratory analysis. Laboratory analysis detected elevated concentrations of petroleum-related volatile organic compounds (VOCs) in the sample collected from the southwestern corner of the Property at a depth of 12 to 14 feet, within the perched water table. Several of these VOCs exceeded New York State Department of Environmental Conservation (NYSDEC) Subpart 375 Unrestricted Use Soil Cleanup Objectives (USCOs), with the VOC 1,2,4-trimethylbenzene [detected at 87 parts per million (ppm)] also exceeding its Subpart 375 Restricted Residential Use Soil Cleanup Objective (RRSCO) of 52 ppm. Trace levels of several VOCs were detected in three other soil samples.
- Twelve semi-volatile organic compounds (SVOCs), mainly polycyclic aromatic hydrocarbons (PAHs), were detected in five of the soil samples analyzed. Five PAHs exceeded their respective RRSCOs in one sample, which had a total PAH concentration of 282 parts per million (ppm). Fill material in this sample was noted to include ash, which contains high levels of PAHs. Samples from boring SB-2 contained no SVOCs in exceedance of USCOs or RRSCOs. Based on the nature and distribution of the compounds detected and field observations, the elevated levels of SVOCs were attributed to the urban fill materials.

- Six metals (chromium, copper, lead, mercury, nickel, and zinc) slightly exceeded USCOs in one to four samples. Lead and mercury also exceeded RRSCOs in one and two samples, respectively. Based on the type and distribution of the identified metals concentrations, the metals may be attributable to the historical uses of the Property as a railway power station, car house and repair shop, and/or to urban fill. No PCBs or pesticides were detected in any of the soil samples.

Based on field observations and the elevated levels of VOCs and low levels of SVOCs detected in the sample collected from 12 to 14 feet below grade in the southwestern corner of the Property, the Phase II report concluded that elevated VOC levels in this sample did not appear to originate from an on-site petroleum spill, and were attributed to contaminant migration from an off-site spill.

Remedial Action Plan (RAP) and Construction Health and Safety Plan (CHASP) – 487 West 129th Street, AKRF, Inc., May 2008

Based on the findings of the Phase II investigation, AKRF prepared a RAP and an associated CHASP for implementation during a proposed development, which entailed the demolition of the on-site portion of the former warehouse, followed by construction of a new residential building whose ground floor would be entirely occupied by a parking garage. Excavation for the new construction was anticipated to approximately four feet below the existing floor grade across the entire Property.

The RAP addressed requirements for items such as: soil stockpiling, disposal and transportation; dust control; quality assurance; procedures for closure and removal of any petroleum storage tanks encountered during construction; measures to be undertaken if contamination is encountered; capping of the Property with building foundations or (for any landscaped areas not covered by foundations) with two feet of clean soil approved by the New York City Department of Environmental Protection (DEP); and measures to prevent intrusion of any subsurface vapors into the new building. The vapor control measures included installation of a vapor barrier consisting of high-density polyethylene (HDPE) membrane beneath the new foundation slab. The CHASP included measures for worker and community protection, including personal protective equipment, air monitoring if contamination is encountered, and dust control.

Since the Property was undergoing City Environmental Quality Review (CEQR) for a rezoning, the RAP and CHASP were submitted to DEP for review and approval. In a letter dated July 31, 2008, DEP indicated that the RAP and CHASP were acceptable provided the following measures were undertaken: any imported clean fill must be tested at a frequency of 1 sample per 250 cubic yards prior to importation and compared to NYSDEC Technical and Administrative Guidance (TAGM) 4046 (a soil cleanup guidance used at the time); the vapor barrier must be a minimum of 15 mil thick, and specifications for the vapor barrier must be included in the RAP; a Professional Engineer (P.E.)-certified closure report must be submitted to DEP following the completion of remedial activities; and the developer must enter into a Restrictive Declaration to ensure that the remedial activities are carried out to DEP's satisfaction. A copy of DEP's letter is included in Appendix D.

Environmental Assessment Statement (EAS) – West 129th Street Rezoning, AKRF, Inc., May 2009

An EAS was prepared by AKRF in May 2009 as part of CEQR to rezone the Property and adjacent land prior to the proposed construction of a residential building on the Property. The EAS summarized the findings of AKRF's November 2007 Phase I ESA and March 2008 Phase II, and indicated that a RAP and a CHASP were prepared for the proposed development. The EAS also noted that the developer entered into a Restrictive Declaration to ensure that all remedial activities would be completed to the satisfaction of the DEP prior to or during construction of the proposed development. A copy of the Restrictive Declaration, recorded in April 2008, is included in Appendix D.

Geotechnical Engineering Report – Proposed Apartment Towers, 487 West 129th Street, New York, NY, Heller and Johnsen, December 2012

A geotechnical study was conducted at the Property in December 2012. Eight borings were advanced to approximately 42 to 70 feet below the building's floor. Two monitoring wells were installed to determine the groundwater elevation. The study indicated that the Property was underlain by a 5 to 10-foot layer of fill materials (sand, gravel, brick, concrete, and/or silt) above a layer of apparent native soil (sand, gravel, and silt). Several borings encountered concrete or hard drilling (possibly due to concrete) approximately 5 to 10 feet below grade, which was attributed to historical rail car repair pits. Weathered bedrock was encountered approximately 35 to 61 feet below grade, and competent bedrock was encountered approximately 36 to 66 feet below grade, sloping down toward the south. Groundwater was encountered approximately 24.3 to 25 feet below grade. No evidence of contamination was noted in the boring logs.

8.0 LIMITATIONS AND DATA GAPS

This assessment met the requirements of the American Society for Testing and Materials (ASTM) as established by ASTM Standard E1527-13 at the time it was performed, with the following limitations:

- Results of this investigation are valid as of the dates on which the investigation was performed.
- The Property building's cellar was not safely accessible for inspection. Although Mr. Schroeder was not aware of any petroleum storage tanks on the Property, historical Sanborn maps indicated an apparent boiler (possibly associated with a fuel tank) in this cellar.
- Interviews and user-provided information were limited to those discussed in Section 6.0. To the extent that interviews were not conducted with the list of interviewees cited in the ASTM Standard (past and present owners, operators, and occupants of the Property and local government officials), AKRF does not believe that this represents a significant data gap likely to result in additional or significantly changed recognized environmental conditions or conclusions.
- The Property area history was not conducted in five-year intervals. However, sufficient information about the history of the site and surrounding area could be obtained from the available historical Sanborn maps, and this data gap is not likely to alter the conclusions of this report.
- Agency file reviews for the Property and adjacent properties consisted of a review of standard databases and electronic records maintained by pertinent departments and agencies (summarized in Section 5.2). AKRF believes that this file review was sufficient in determining the potential for recognized environmental conditions or other environmental concerns at the Property and additional reviews beyond this are not warranted and would not likely change the conclusions of this assessment.

9.0 FINDINGS

This assessment revealed the following Recognized Environmental Conditions (RECs), Controlled RECs (CRECs), Historic RECs (HRECs), *De Minimis* Conditions and/or Environmental Concerns:

Recognized Environmental Conditions (RECs)

- No evidence of petroleum storage tanks was noted on the Property, and no tanks were registered for the Property with the New York State Department of Environmental Conservation (NYSDEC). Computerized NYC Buildings Department records noted fuel oil use and a cellar-level boiler room at 495 West 129th Street (the collective address of the Property and the off-site Metropolitan Opera warehouse) in 1949. Thus, the Property building's cellar, which was not accessible for inspection, may have historically contained an aboveground or underground fuel oil tank, which may remain on the Property, or may have been removed.
- Historical uses of the Property building as: a power station, car house, and repair shop for a railway company; an automobile repair shop; and a bus garage may have affected subsurface conditions beneath the Property.
- The May 2008 subsurface investigation noted an apparent perched groundwater table approximately 13 feet below the building floor. Field evidence of contamination [elevated photoionization detector (PID) readings and petroleum-like odors) were noted in two borings at the south side of the Property, and elevated concentrations of petroleum-related volatile organic compounds (VOCs) were detected in a soil sample collected within the perched water table at the southwestern corner of the building. Based on field observations indicating that the contamination appeared to be associated primarily with the perched water table and laboratory analytical results, the Phase II report concluded that the contamination did not appear to originate from an on-site petroleum spill, and was instead attributable to contaminant migration from an off-site spill.
- The Property is underlain by approximately 5 to 10 feet of fill (sand, gravel, silt, brick, concrete, ash and glass). The May 2008 subsurface investigation identified somewhat elevated concentrations of semi-volatile organic compounds (SVOCs) and metals in on-site soil, likely associated with historical uses of the Property and/or the fill materials. An approximately 20-cubic yard pile of soil, brick, and concrete associated with test pit excavation was observed during the reconnaissance; no odors or staining were noted.
- The east-adjacent auto repair shop was historically a garage with gasoline USTs, and was listed in the regulatory database as a generator of hazardous waste (benzene and chlorinated solvents). A Chinese laundry (which may have included dry cleaning) was historically located on the eastern side of the Property block. An apartment building on the eastern site of the Property block was identified with a PBS listing and an active-status spill. A Verizon garage registered as a Petroleum Bulk Storage (PBS) facility and a bus garage (a historical railway car house listed in the regulatory database with closed-status spills, a PBS listing, Chemical Bulk Storage, and a Toxic Chemical Release Inventory listing) were located on the south-adjacent block.

Controlled Recognized Environmental Condition (CREC)

- A Metropolitan Transit Authority (MTA) bus garage located on the south-adjacent block was listed in the regulatory database with several closed-status spills, a PBS listing, Chemical Bulk Storage, and a Toxic Chemical Release Inventory listing. This facility was historically a railway car house.

Other On-Site Environmental Concerns (items outside the scope of E1527-13 such as ACM, LBP and/or PCBs in building materials or fill/debris)

- Based on the building's age, asbestos-containing materials (ACM) may be present. Suspect ACM observed during the reconnaissance included: thermal pipe insulation; window glazing and caulking; and roofing materials. These materials were observed to be in fair to poor condition, with damaged thermal pipe insulation and roofing.
- Based on the building's age, lead-based paint may be present. Painted surfaces were observed to be in fair to poor condition, with peeling paint noted throughout the building. During the reconnaissance, there was no observation of residential occupancy, child care facilities, or other facilities where the extended presence of children would be expected.
- Based on the building's age, fluorescent lighting fixtures and electrical equipment on the Property may contain polychlorinated biphenyls (PCBs). No evidence of leaks or stains from these fixtures and equipment was observed.
- The Property underwent City Environmental Quality Review (CEQR) in 2009 for a rezoning. As part of CEQR, the developer entered into a Restrictive Declaration in April 2008 to ensure that remedial activities are completed to the satisfaction of the NYC Department of Environmental Protection (DEP) prior to or during construction of the proposed development. This would include the implementation of a Remedial Action Plan (RAP) and Construction Health and Safety Plan (CHASP) prepared by AKRF in May 2008 for the proposed development, as well as DEP requirements outlined in a July 31, 2008 letter commenting on the RAP and CHASP.

Potential for Vapor Migration

This Phase I assessment identified a potential for subsurface vapors and thus a potential for vapor migration onto the Property, based on the RECs noted.

10.0 CONCLUSIONS AND RECOMMENDATIONS

This Phase I Environmental Site Assessment was performed in conformance with ASTM Standard E1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Practice*. Any exceptions to, or deletions from, the Standard are described in Section 8.0. The term "Recognized Environmental Condition" or REC means the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. The Standard also includes definitions of Historic REC (HREC), Controlled REC (CREC), and *De Minimis* Condition. A *De Minimis* Condition is defined as an environmental concern that is not a threat to human health or the environment and would not be subject to enforcement action.

The Property building was constructed prior to 1902 and was historically occupied by: a power station, car house, and repair shop for a railway company; automobile repair; a bus garage; and a Metropolitan Opera warehouse. The building was vacant since 2006.

At the time of AKRF's reconnaissance, the Property consisted of the vacant eastern portion of a one-story building with a partial cellar. The off-site western portion of the building was a Metropolitan Opera warehouse used to store stage sets. The greater surrounding area was predominantly commercial and residential. A Verizon garage and a Metropolitan Transit Authority (MTA) bus garage were located on the south-adjacent block.

This assessment revealed the following:

Recognized Environmental Conditions (RECs)

- No evidence of petroleum storage tanks was noted on the Property, and no tanks were registered for the Property with the New York State Department of Environmental Conservation (NYSDEC). Computerized NYC Buildings Department records noted fuel oil use and a cellar-level boiler room at 495 West 129th Street (the collective address of the Property and the off-site Metropolitan Opera warehouse) in 1949. Thus, the Property building's cellar, which was not accessible for inspection, may have historically contained an aboveground or underground fuel oil tank, which may remain on the Property, or may have been removed.
- Historical uses of the Property building as: a power station, car house, and repair shop for a railway company; an automobile repair shop; and a bus garage may have affected subsurface conditions beneath the Property.
- The May 2008 subsurface investigation noted an apparent perched groundwater table approximately 13 feet below the building floor. Field evidence of contamination [elevated photoionization detector (PID) readings and petroleum-like odors) were noted in two borings at the south side of the Property, and elevated concentrations of petroleum-related volatile organic compounds (VOCs) were detected in a soil sample collected within the perched water table at the southwestern corner of the building. Based on field observations indicating that the contamination appeared to be associated primarily with the perched water table and laboratory analytical results, the Phase II report concluded that the contamination did not appear to originate from an on-site petroleum spill, and was instead attributable to contaminant migration from an off-site spill.
- The Property is underlain by approximately 5 to 10 feet of fill (sand, gravel, silt, brick, concrete, ash and glass). The May 2008 subsurface investigation identified somewhat elevated concentrations of semi-volatile organic compounds (SVOCs) and metals in on-site soil, likely associated with historical

uses of the Property and/or the fill materials. An approximately 20-cubic yard pile of soil, brick, and concrete associated with test pit excavation was observed during the reconnaissance; no odors or staining were noted.

- The east-adjacent auto repair shop was historically a garage with gasoline USTs, and was listed in the regulatory database as a generator of hazardous waste (benzene and chlorinated solvents). A Chinese laundry (which may have included dry cleaning) was historically located on the eastern side of the Property block. An apartment building on the eastern site of the Property block was identified with a PBS listing and an active-status spill. A Verizon garage registered as a Petroleum Bulk Storage (PBS) facility and a bus garage (a historical railway car house listed in the regulatory database with closed-status spills, a PBS listing, Chemical Bulk Storage, and a Toxic Chemical Release Inventory listing) were located on the south-adjacent block.

Controlled Recognized Environmental Condition (CREC)

- A Metropolitan Transit Authority (MTA) bus garage located on the south-adjacent block was listed in the regulatory database with several closed-status spills, a PBS listing, Chemical Bulk Storage, and a Toxic Chemical Release Inventory listing. This facility was historically a railway car house.

Other On-Site Environmental Concerns (items outside the scope of E1527-13 such as ACM, LBP and/or PCBs in building materials or fill/debris)

- Based on the building's age, asbestos-containing materials (ACM) may be present. Suspect ACM observed during the reconnaissance included: thermal pipe insulation; window glazing and caulking; and roofing materials. These materials were observed to be in fair to poor condition, with damaged thermal pipe insulation and roofing.
- Based on the building's age, lead-based paint may be present. Painted surfaces were observed to be in fair to poor condition, with peeling paint noted throughout the building. During the reconnaissance, there was no observation of residential occupancy, child care facilities, or other facilities where the extended presence of children would be expected.
- Based on the building's age, fluorescent lighting fixtures and electrical equipment on the Property may contain polychlorinated biphenyls (PCBs). No evidence of leaks or stains from these fixtures and equipment was observed.
- The Property underwent City Environmental Quality Review (CEQR) in 2009 for a rezoning. As part of CEQR, the developer entered into a Restrictive Declaration in April 2008 to ensure that remedial activities are completed to the satisfaction of the NYC Department of Environmental Protection (DEP) prior to or during construction of the proposed development. This would include the implementation of a Remedial Action Plan (RAP) and Construction Health and Safety Plan (CHASP) prepared by AKRF in May 2008 for the proposed development, as well as DEP requirements outlined in a July 31, 2008 letter commenting on the RAP and CHASP.

Potential for Vapor Migration

This Phase I assessment identified a potential for subsurface vapors and thus a potential for vapor migration onto the Property, based on the RECs noted.

RECOMMENDATIONS

- Historical uses of the Property and surrounding area may have affected subsurface conditions beneath the Property, and the 2008 Phase II investigation indicated petroleum contamination beneath a portion

of the Property. Although the contamination was attributed to an off-site source, it is possible that excavation for Property redevelopment will indicate evidence of an on-site spill reportable to NYSDEC. Since the preparation of the May 2008 DEP-approved RAP and CHASP, management of Restrictive Declaration sites was transferred from the DEP to the NYC Mayor's Office of Environmental Remediation (OER). The Property remediation/redevelopment will need to be conducted to the satisfaction of OER as a condition for obtaining a Certificate of Occupancy for the new building. AKRF recommends contacting OER to determine the appropriate remedial measures, which may include: producing an updated RAP and CHASP (due to the age of the original RAP and CHASP and/or changes in the proposed development); additional subsurface investigation (e.g., groundwater and soil vapor sampling); and more stringent requirements for environmental monitoring during construction, and for vapor control measures to prevent vapor intrusion into the new building.

- Any excavated soil should be handled and disposed of in accordance with all applicable federal, state and local regulations. If any petroleum storage tanks are encountered, they should be properly assessed, closed, and removed. Any evidence of a petroleum spill must be reported to NYSDEC and addressed in accordance with applicable requirements. If dewatering is required during construction activities, it should be in accordance with DEP requirements.
- AKRF recommends sampling the damaged suspect ACM to determine whether they contain asbestos. Any damaged ACM should be removed or repaired in accordance with applicable requirements by a licensed asbestos abatement contractor. Regulatory requirements for ACM (or suspect ACM until proven not to be ACM) include maintenance requirements and, prior to any renovation or demolition, inspection/sampling by a NYC-certified asbestos investigator to determine whether the project will disturb ACM. Any ACM that would be disturbed by the renovation or demolition must be properly removed prior to such activity.
- Unless there is labeling or test data indicating that fluorescent lighting fixtures are not mercury- and/or PCB-containing, and that electrical equipment does not contain PCBs, if disposal is required, it should be performed in accordance with applicable federal, state, and local regulations and guidelines.
- Any activities (such as renovation or demolition) with the potential to disturb lead-based paint must be performed in accordance with applicable requirements (including federal Occupational Safety and Health Administration regulation 29 CFR 1926.62 - *Lead Exposure in Construction*).

11.0 SIGNATURE PAGE

We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312.

We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Property for which the assessment was performed. We have performed all the appropriate inquiries in conformance with standards and practices set forth in 40 CFR Part 312.

Michelle Lapin, P.E.
Senior Vice President

Asya Bychkov, P.E.
Environmental Engineer

12.0 QUALIFICATIONS

The purpose of this assessment was to convey a professional opinion about the potential presence or absence of contamination, or possible sources of contamination on the Property, and to identify existing and/or potential environmental issues associated with the Property including *Recognized Environmental Conditions* as defined in ASTM Standard E1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Practice*.

The assessment was performed in accordance with customary principles and practices in the environmental consulting industry, and in accordance with the above-referenced ASTM Standard, except as noted otherwise in Section 8.0. It should only be used as a guide in determining the possible presence or absence of hazardous materials on the Property at the time of the reconnaissance, as it is based upon the review of readily available records relating to the Property and the surrounding area, as well as a visual reconnaissance of current conditions.

This Phase I Assessment is not, and should not be construed as, a guarantee, warranty, or certification of the presence or absence of hazardous substances, which can be made only with testing, and contains no formal plans or recommendations to rectify or remediate the presence of any hazardous substances which may be subject to regulatory approval. This report is not a regulatory compliance audit.

This report is based on services performed by AKRF, Inc. professional staff and observation of the Property and its surroundings. We represent that observations made in this assessment are accurate to the best of our knowledge, and that no findings or observations concerning the potential presence of hazardous substances have been withheld or amended. The research and reconnaissance have been carried to a level that meets accepted industry and professional standards. Nevertheless, AKRF and the undersigned shall have no liability or obligation to any party other than Inner City Contracting LLC and their successors or assignees, and AKRF's obligations and liabilities to the above, their successors or assignees is limited to fraudulent statements made, or grossly negligent or willful acts or omissions.

13.0 REFERENCES

1. Toxics Targeting, Inc., 487 West 129th Street – New York, NY 10027, Regulatory Radius Search, May 22, 2014.
2. U.S. Geological Survey, Central Park, N.Y. – N.J. Quadrangle, 7.5 minute Series (Topographic), Scale 1:24,000, 1966, Photorevised 2011.
3. U.S. Geological Survey, Open Files Report 89-462, Bedrock and Engineering Geologic Maps of New York County and Parts of Kings and Queens Counties, New York, and Parts of Bergen and Hudson Counties, New Jersey, Sheet 3 - Bedrock Contours and Outcrops, 1990.
4. New York State Department of Health: Office of Public Health - Environmental Radiation Section, Basement Radon Screening Data, October 2012.
5. Historical Sanborn maps dated 1893, 1902, 1909, 1912, 1951, 1969, 1976, 1989, and 2006.
6. Environmental Data Resources, Inc., 487 West 129th Street – New York, NY 11220, City Directory Abstract, May 21, 2014.
7. Survey of Block 1969, Lot 1 Subdivision – Manhattan, New York, Albert A. Bianco, April 16, 2005.
8. Phase I Environmental Site Assessment – 495 West 129th Street, AKRF, Inc., November 2007.
9. Subsurface (Phase II) Investigation – 487 West 129th Street, AKRF, Inc., March 2008.
10. Remedial Action Plan (RAP) and Construction Health and Safety Plan (CHASP) – 487 West 129th Street, AKRF, Inc., May 2008.
11. Environmental Assessment Statement – West 129th Street Rezoning, AKRF, Inc., May 2009.
12. Geotechnical Engineering Report – Proposed Apartment Towers, 487 West 129th Street, New York, NY, Heller and Johnsen, December 2012.

FIGURES

SOURCE
USGS 7.5 Minute Topographic Map
Central Park Quad 2011

0 500 1,000 1,500 Feet

487 WEST 129th Street

New York, New York

SITE LOCATION

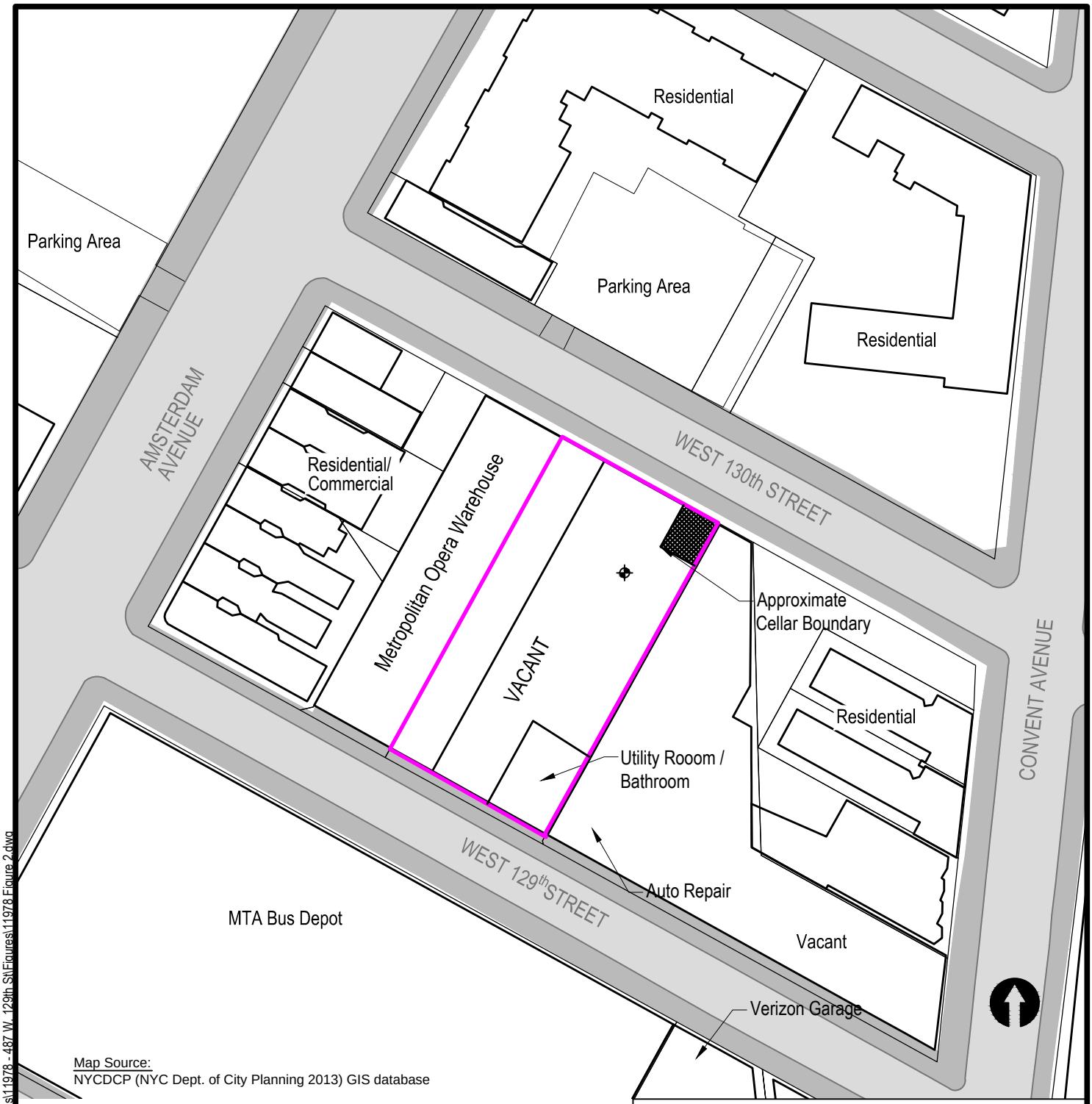
AKRF
Environmental Consultants
440 Park Avenue South, New York, N.Y. 10016

DATE
6/9/2014

PROJECT No.
11978

FIGURE
1

©2013 AKRF, Inc. Environmental Consultants O:\Projects\11978 - 487 W. 129TH ST\11978 Fig 1 loc map.mxd



Map Source:
NYCDCP (NYC Dept. of City Planning 2013) GIS database

0' 40' 80' 160'
SCALE IN FEET

LEGEND:

- PROJECT SITE BOUNDARY
- LOT LINE
- BUILDING LINE
- EXISTING MONITORING WELL

487 WEST 129th STREET

New York, New York

SITE PLAN

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

DATE 6.9.2014
PROJECT No. 11978
SCALE as shown
FIGURE 2

©2014 AKRF, Inc. Environmental Consultants M:\AKRF Project Files\11978 - 487 W. 129th St\Figures\11978 Figure 2.dwg

APPENDIX A
PHOTOGRAPHIC DOCUMENTATION

Photograph 1. The Property building, view northwest across West 129th Street.

Photograph 2. The interior of the Property building.

Photograph 3. A pile of concrete and soil from test pit excavation in the southern portion of the building.

Photograph 4. A mezzanine along the eastern portion of the building, with the cellar entrance in the rear.

Photograph 5. A bathroom in the brick enclosure in the southeastern corner of the Property.

Photograph 6. A geotechnical monitoring well in the northeastern portion of the Property.

Photograph 7. A partial cellar in the northeastern corner of the Property building.

Photograph 8. A steel grate above the cellar entrance, at the West 130th Street level (approximately 20 feet above the building's ground floor).

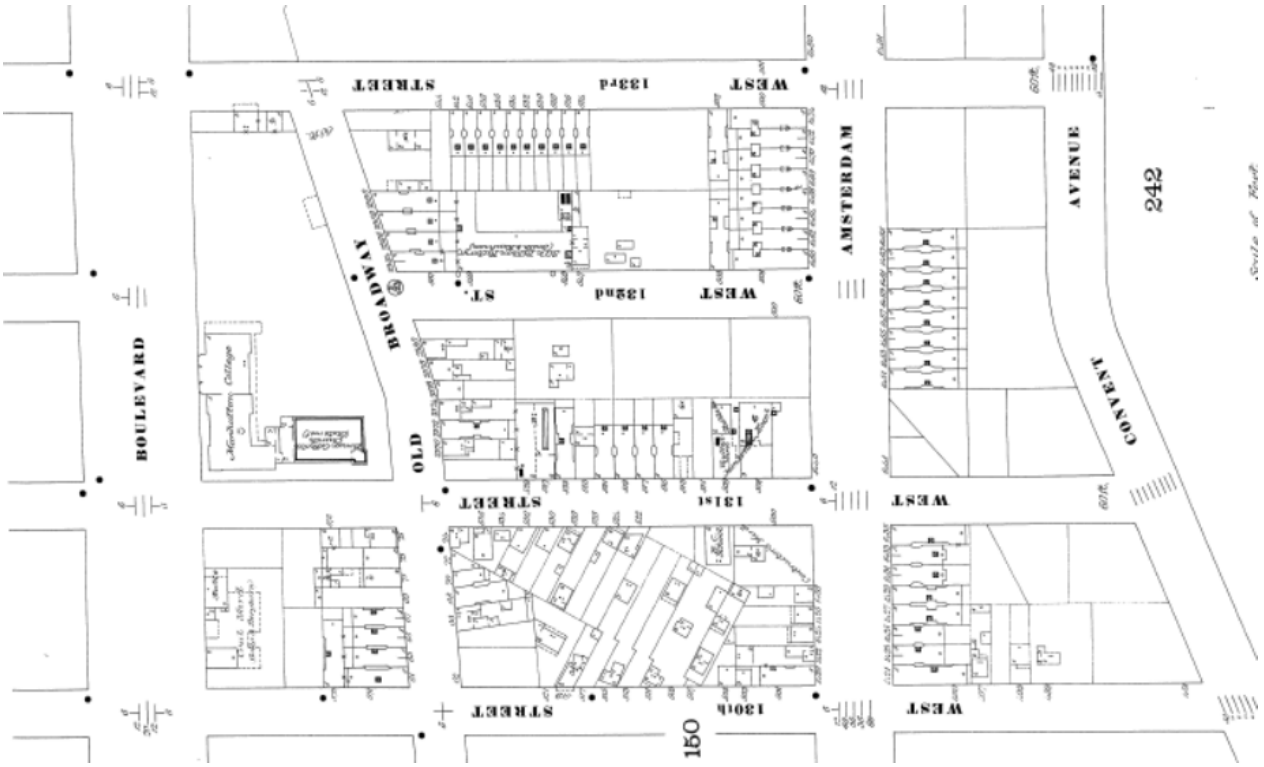
Photograph 9. A Metropolitan Opera warehouse west-adjacent to the Property in the same building, view northwest across West 129th Street.

Photograph 10. An apparent vacant warehouse east-adjacent to the Property, view west across West 129th Street.

Photograph 11. An auto repair shop on the ground floor of the east-adjacent former warehouse, view north across West 129th Street.

Photograph 12. A Verizon garage and a Metropolitan Transit Authority (MTA) bus garage (with smokestack) (view west along West 129th Street).

APPENDIX B
HISTORICAL SANBORN MAPS



MAP OF STUDY AREA NOT AVAILABLE

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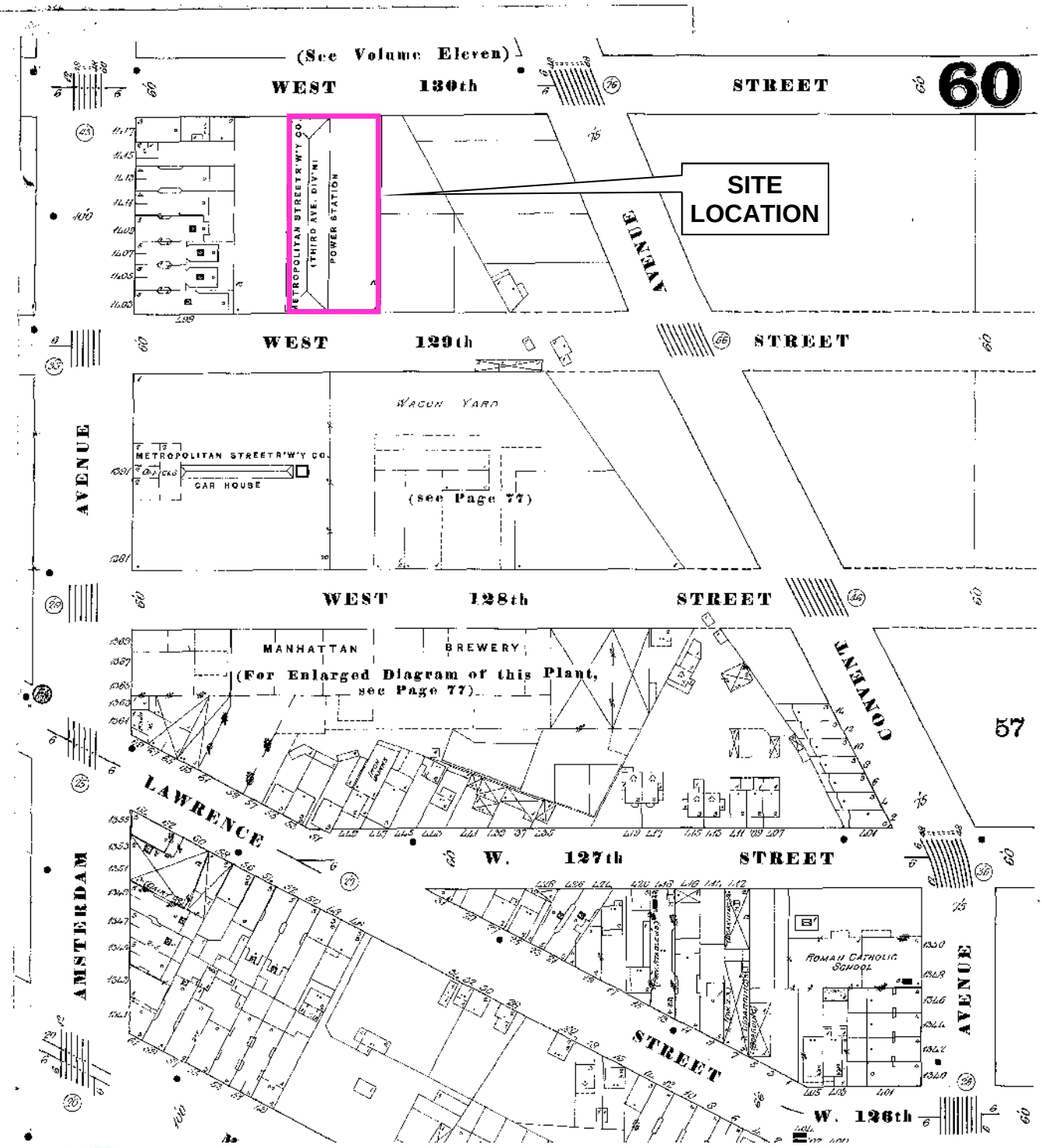
487 West 129th Street
New York, New York

1893 SANBORN MAP

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

DATE **06.09.14**
PROJECT No. **11978**
SCALE **nts**
FIGURE **Appx B**



LEGEND:

PROJECT SITE BOUNDARY

487 West 129th Street
New York, New York

1902 SANBORN MAP

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

DATE 06.09.14
PROJECT No. 11978
SCALE nts
FIGURE Appx B

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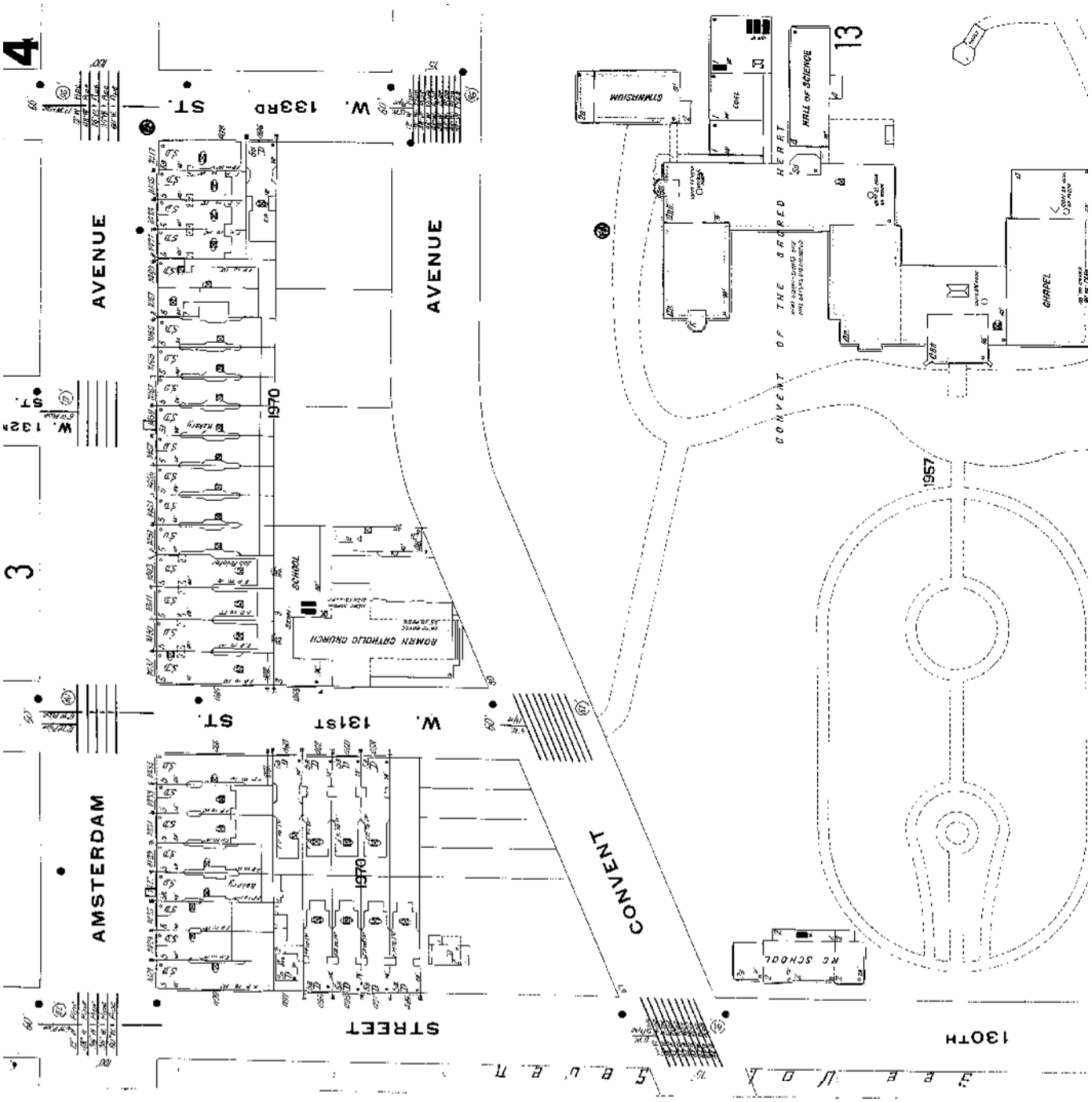

MAP OF STUDY AREA NOT AVAILABLE

487 West 129th Street
New York, New York

1909 SANBORN MAP

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

DATE **06.09.14**
PROJECT No. **11978**
SCALE **nts**
FIGURE **Appx B**

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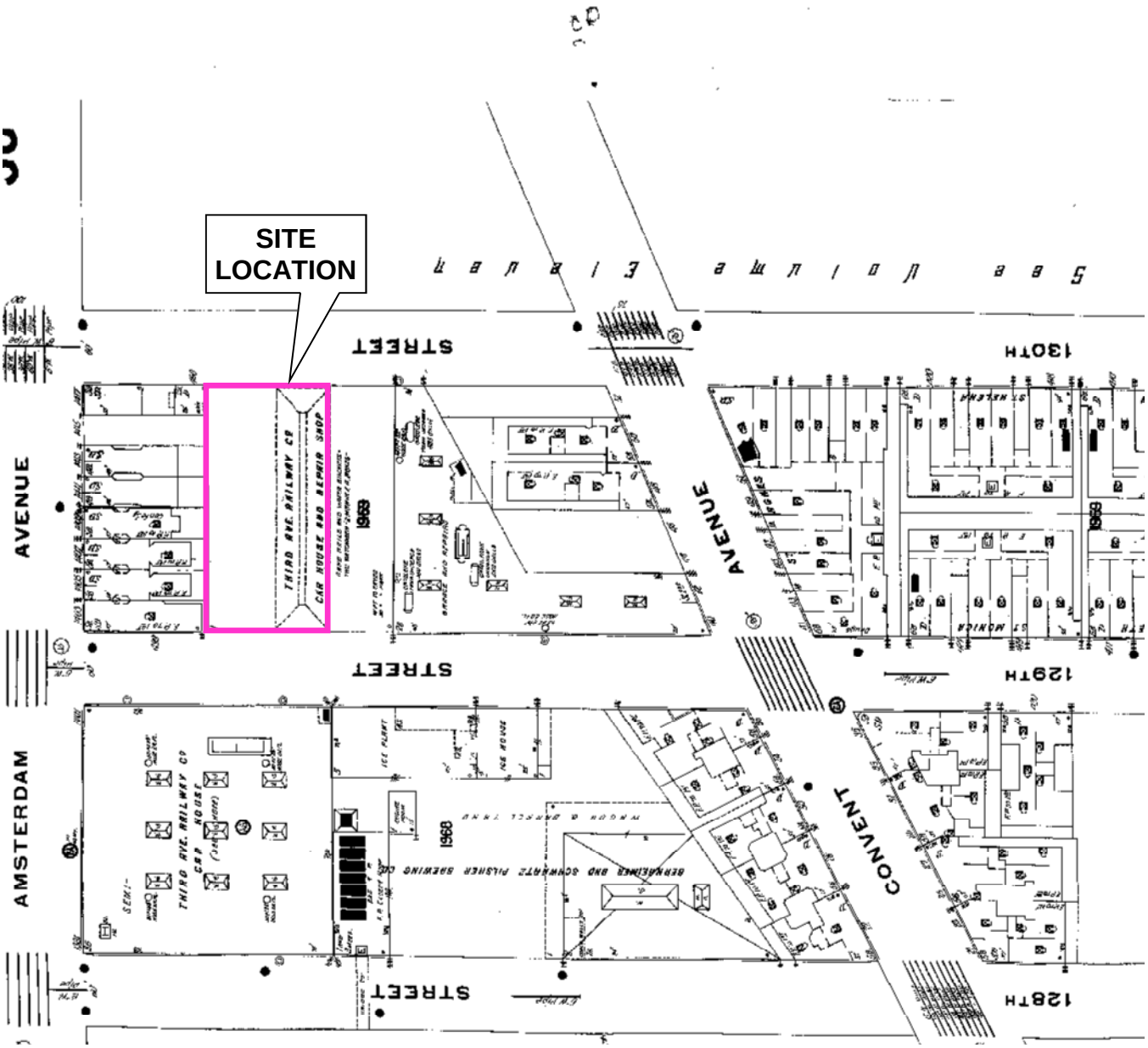

LEGEND:

PROJECT SITE BOUNDARY

487 West 129th Street
New York, New York

1912 SANBORN MAP

AKRF
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440 Park Avenue South, New York, N.Y. 10016

DATE 06.09.14
PROJECT No. 11978
SCALE nts
FIGURE Appx B

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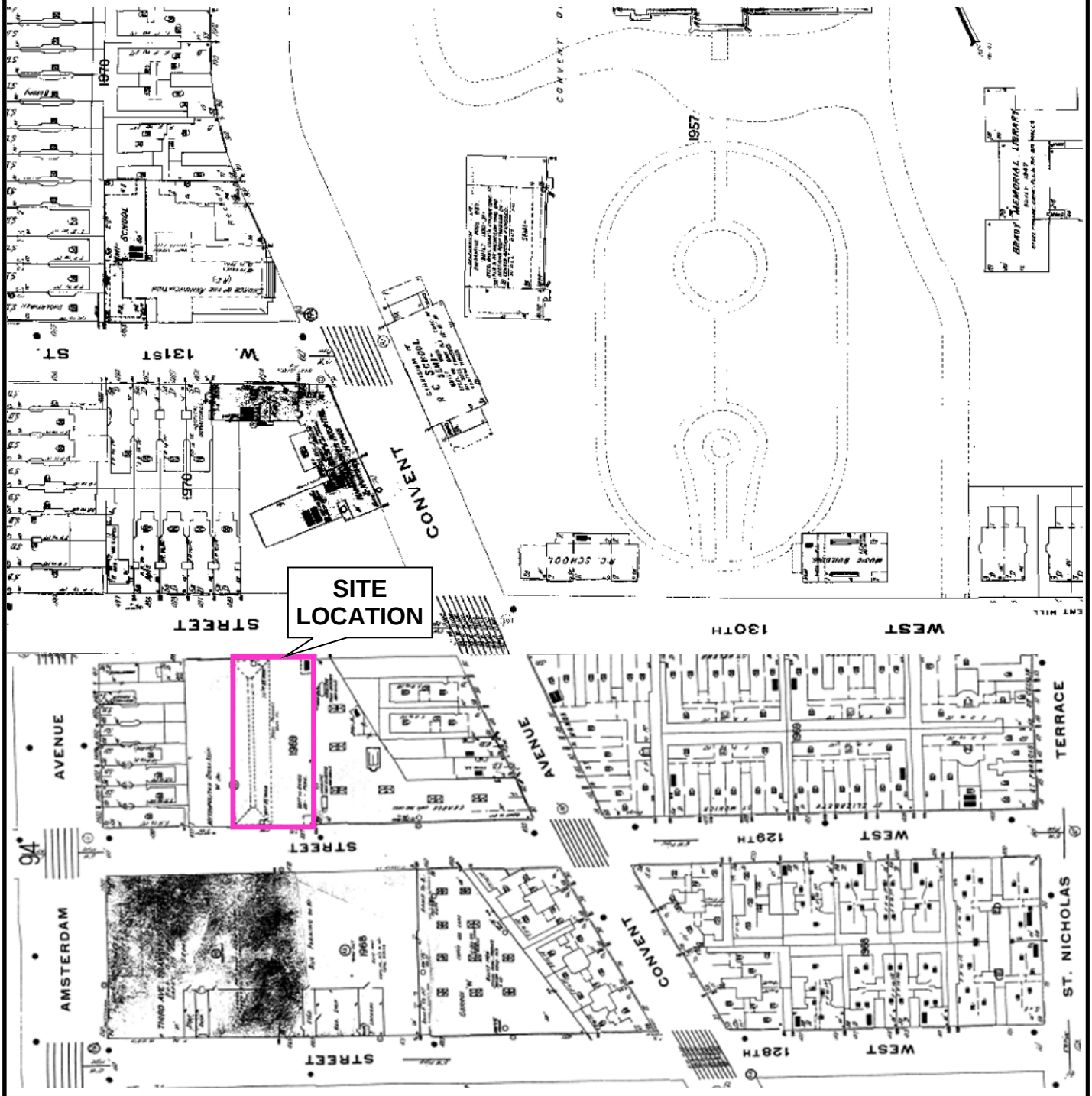

LEGEND:

PROJECT SITE BOUNDARY

487 West 129th Street
New York, New York

1951 SANBORN MAP

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

DATE **06.09.14**
PROJECT No. **11978**
SCALE **nts**
FIGURE **Appx B**

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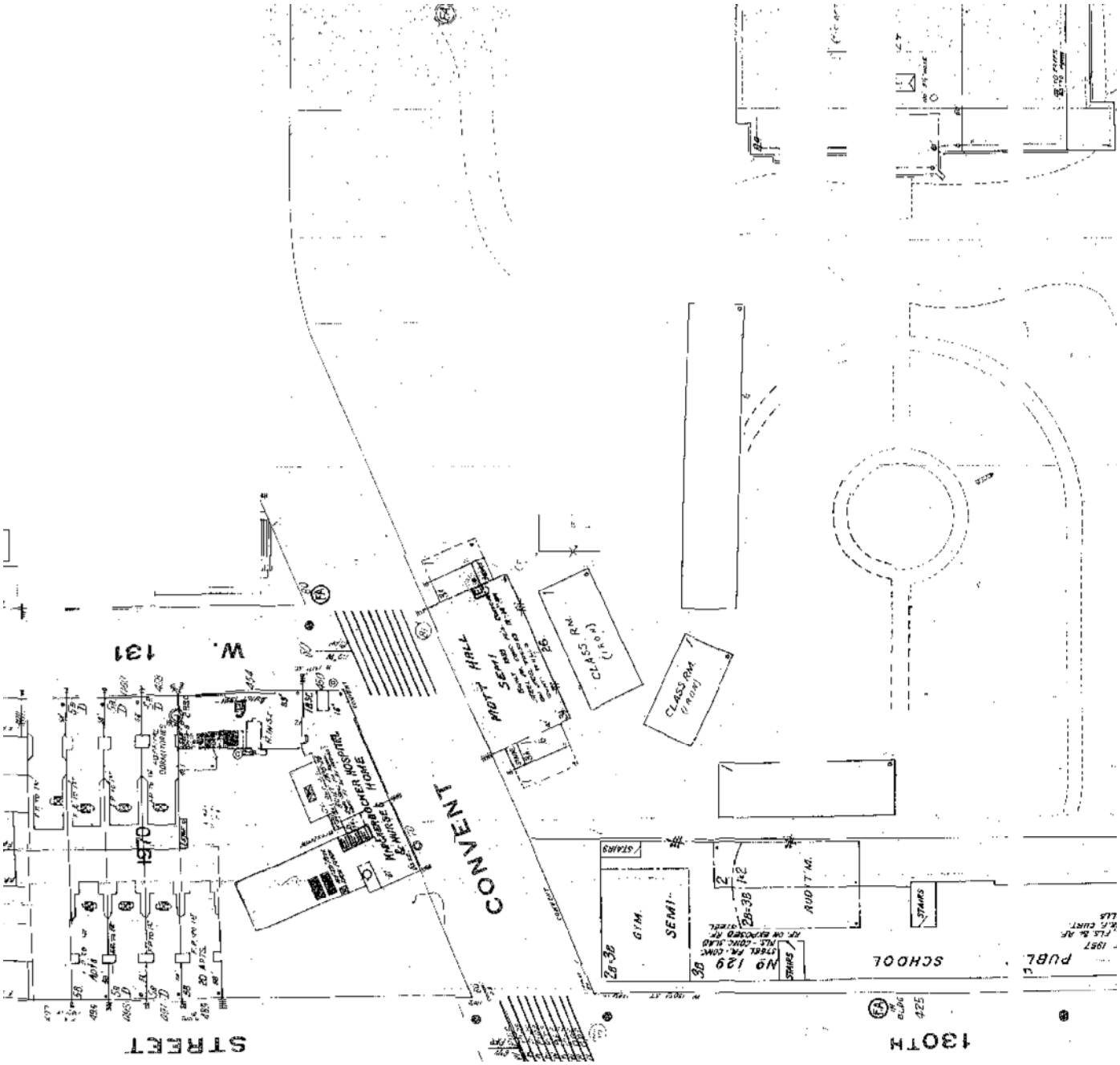

MAP OF STUDY AREA NOT AVAILABLE

487 West 129th Street
New York, New York

1969 SANBORN MAP

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

DATE
06.09.14

PROJECT No.
11978

SCALE
nts

FIGURE
Appx B

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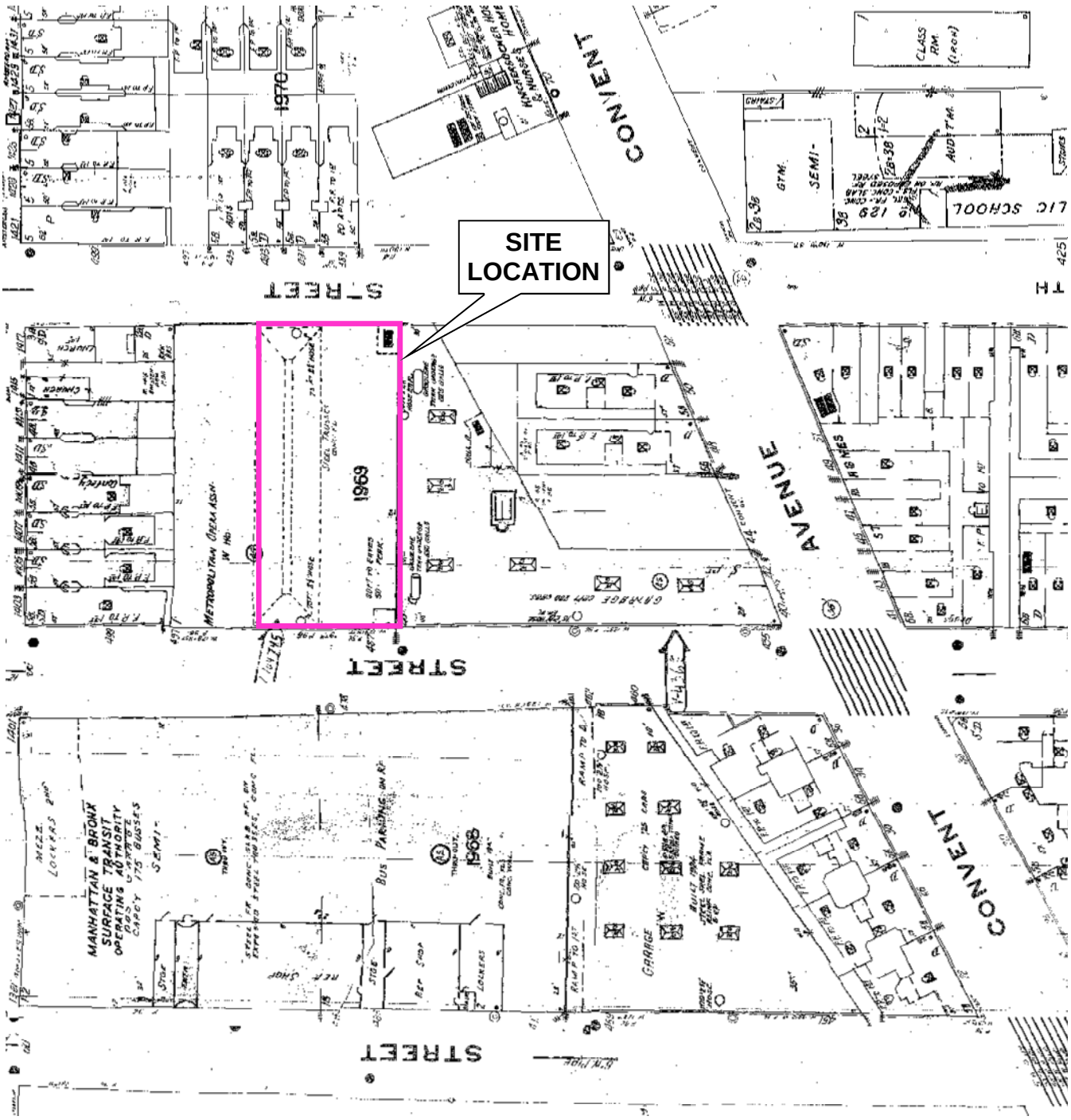

LEGEND:

PROJECT SITE BOUNDARY

487 West 129th Street
New York, New York

1976 SANBORN MAP

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DATE **06.09.14**
PROJECT No. **11978**
SCALE **nts**
FIGURE **Appx B**

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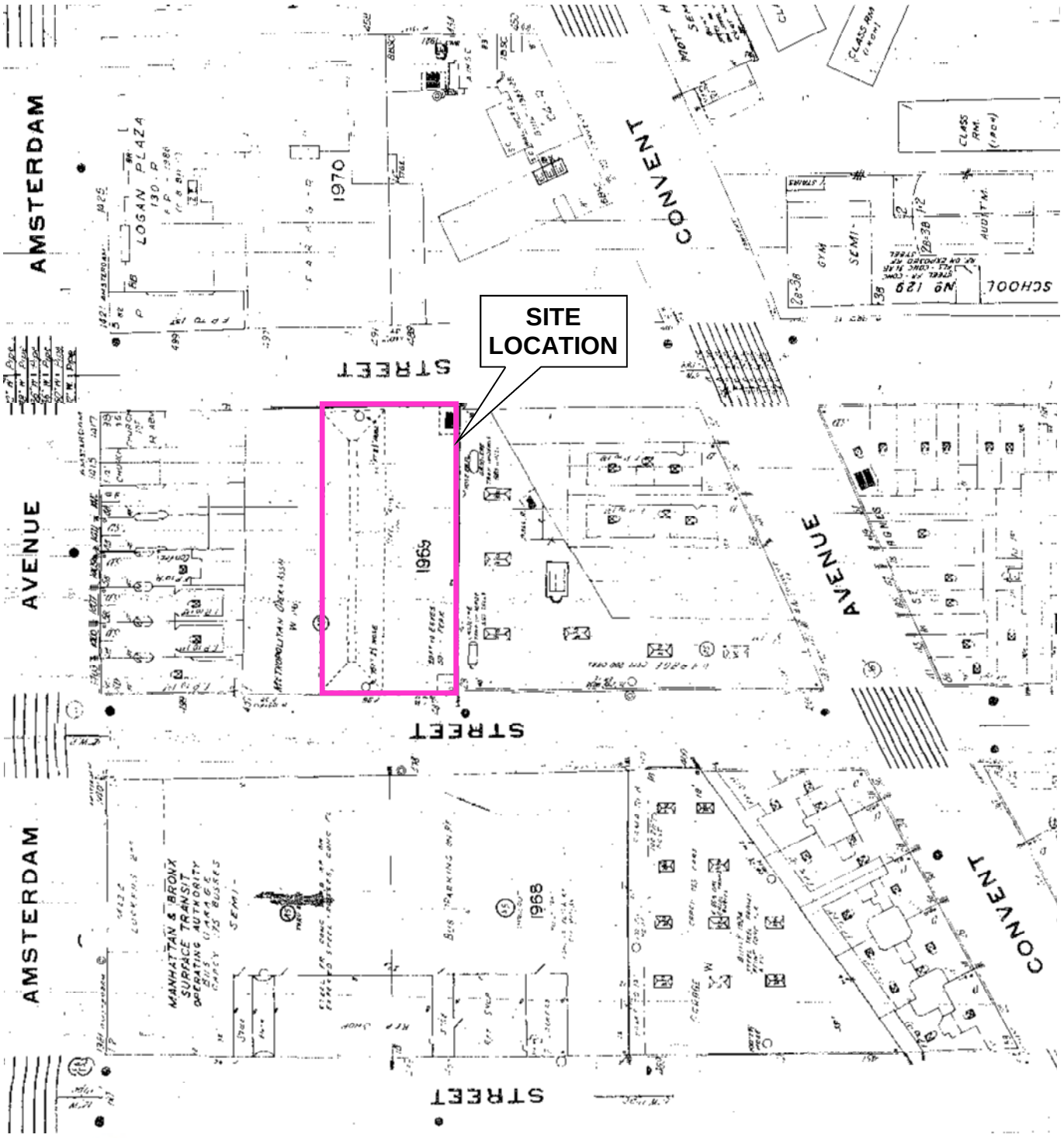

LEGEND:

PROJECT SITE BOUNDARY

487 West 129th Street
New York, New York

1989 SANBORN MAP

AKRF
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440 Park Avenue South, New York, N.Y. 10016

DATE **06.09.14**
PROJECT No. **11978**
SCALE **nts**
FIGURE **Appx B**

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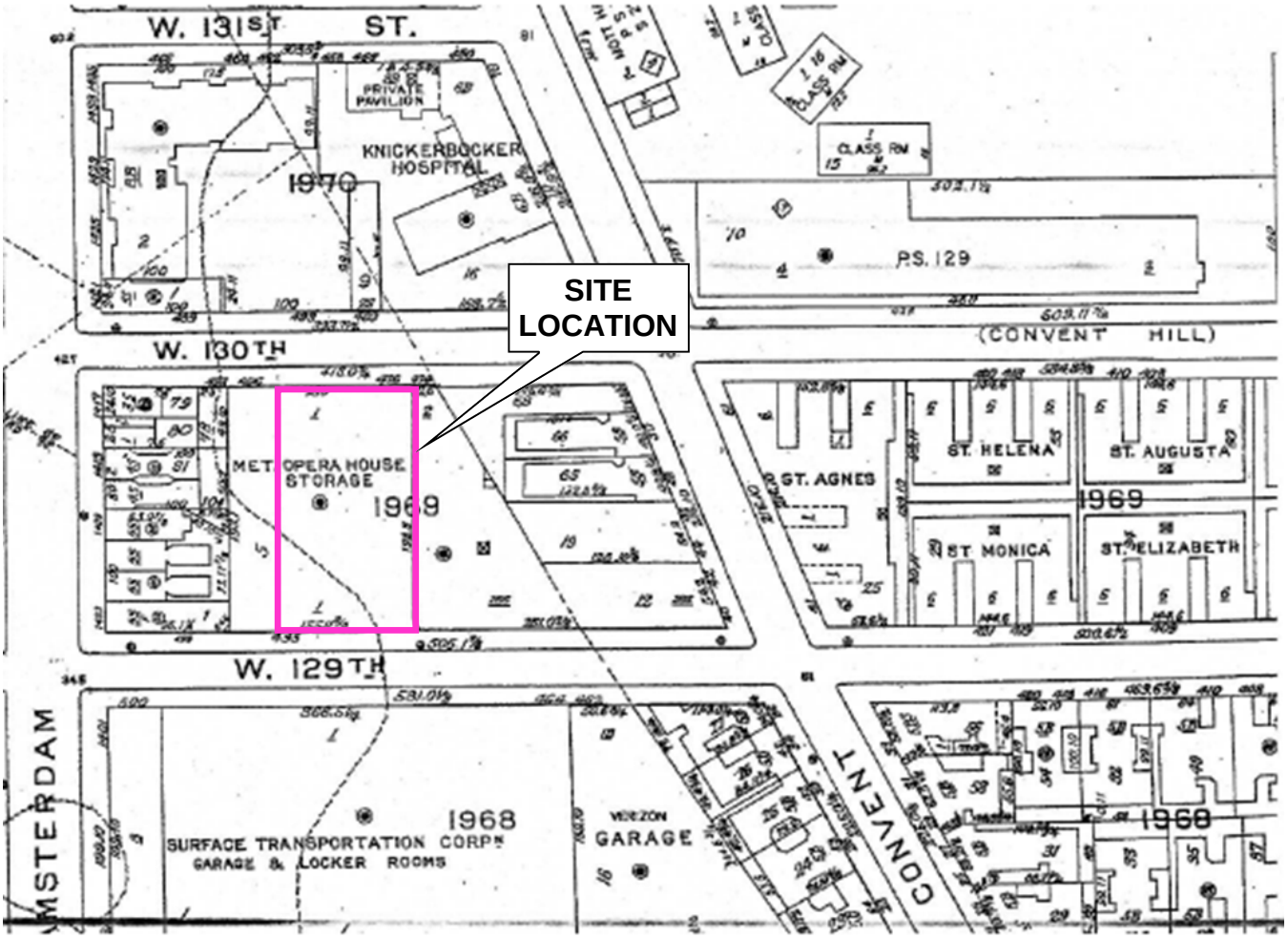

LEGEND:

PROJECT SITE BOUNDARY

487 West 129th Street
New York, New York

2006 SANBORN MAP

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

DATE **06.09.14**
PROJECT No. **11978**
SCALE **nts**
FIGURE **Appx B**

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APPENDIX C
REGULATORY RECORDS REVIEW

TOXICS TARGETING

Phase I
Environmental Database Report

487 W 129th Street
New York, NY 10027

May 22, 2014

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Who is Covered

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What We Will Do

If during the warranty period there is shown to be a material error in the transcription of the information contained in this Report from the sources from which it was obtained, Toxics Targeting, Inc. shall refund to the original purchaser the full purchase price paid for the Report. The remedy stated above is the exclusive remedy extended to the Purchaser by Toxics Targeting, Inc. for any failure of the Report to conform with this Warranty, or otherwise for breach of this Warranty or any other warranty, whether expressed or implied.

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PLEASE REFER TO PAGES ONE AND FIVE FOR A DESCRIPTION OF SOME OF THE LIMITATIONS OF THIS ENVIRONMENTAL REPORT.

Table of Contents

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Introduction

Toxics Targeting has combined environmental database searches, extensive regulatory analysis and sophisticated mapping techniques to produce your *Environmental Report.* It checks for the presence of 25 categories of government-reported toxic sites and provides detailed, up-to-date information on each identified site. The findings of your report are presented in an easy-to-understand format that:

1. ***Maps*** the approximate locations of selected government-reported toxic sites identified on or near a specified target address.

2. ***Estimates*** the distance and direction between the target address and each identified toxic site.

3. ***Reports*** air and water permit non-compliance and other regulatory violations.

4. ***Profiles*** some aspects of the usage, manufacture, storage, handling, transport or disposal of toxic chemicals at individual sites.

5. ***Summarizes*** some potential health effect information and drinking water standards for selected chemicals reported at individual sites.

The Three Sections Of Your Report

The first section highlights your report's findings by summarizing identified sites according to: **a)** distance intervals, **b)** direction, **c)** proximity to the target address and **d)** individual site categories. In addition, the locations of all identified toxic sites are illustrated on individual maps for each radius search distance used in your report. A close-up map illustrates the locations of all identified toxic sites, at the shortest radius search distance used in your report. Finally, a map of tax parcels and a table of selected information about those parcels are included.

The second section of your report contains *Toxic Site Profiles* that provide detailed information on each identified toxic site. The information in each *Toxic Site Profile* varies according to its source. Some toxic site categories have extensive information and some have limited information. All the information is updated on a regular basis.

The third section of the report contains appendices that identify: **1)** on-site spills reported to the national Emergency Response Notification System (ERNS), **2)** various toxic sites that cannot be mapped due to incomplete or erroneous addresses or other mapping problems, **3)** codes that characterize hazardous wastes reported at various facilities, **4)** methods used to map toxic sites identified in your report and **5)** information sources used in your report.

How to Use Your Report

- Check Table One to see the number of identified sites by distance intervals.

- Check Table Two to see identified sites sorted by direction.

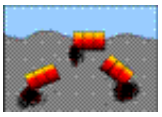
- Check Table Three to see identified sites ranked by proximity to the target address.

- Check Table Four to see identified sites sorted by site categories.

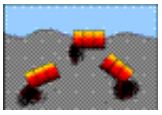
- Use Table Five to get info for the subject parcel and every parcel found on the Tax Parcel Map
- Refer to the various maps to see the locations of identified toxic sites. Refer to the *Toxic Site Profile* and *Appendix* sections for additional information.

Toxic Site Databases Analyzed In Your Report

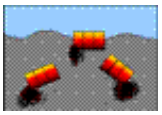
Search Radius

One-Mile 

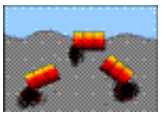
1) ***National Priority List for Federal Superfund Cleanup****:* a listing of sites known to pose environmental or health hazards that are being investigated or cleaned up under the Federal Superfund program.

Half-Mile 

2) ***Delisted National Priority List Sites****:* a listing of NPL sites that have been removed from the National Priority List.

One-Mile 

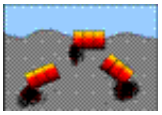
3) ***New York Inactive Hazardous Waste Disposal Site Registry****:* a state listing of sites that can pose environmental or public health hazards requiring investigation or clean up.

One-Mile 

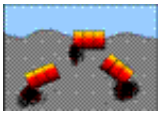
4) ***New York Inactive Hazardous Waste Disposal Site Registry Qualifying****:* a state listing of sites that qualify for possible inclusion to the NYDEC Inactive Haz. Waste Disposal Site Registry.

One-Mile 

5) ***RCRA Corrective Action Activity (CORRACTS):*** waste facilities with RCRA corrective action activity reported by the USEPA.

Half-Mile 

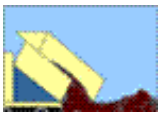
6) ***CERCLIS*** (Comprehensive Environmental Response, Compensation and Liability Information System): a federal listing of Non-NFRAP sites that can pose environmental or public health hazards requiring investigation or clean up.

Half-Mile 

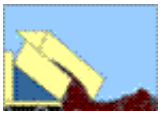
7) ***CERCLIS NFRAP:*** a federal listing of CERCLIS sites that have no further remedial action planned.

Half-Mile 

8) ***New York State Brownfield Cleanup Sites****:* a listing of sites that are abandoned, idled or under-used industrial and commercial sites where expansion or redevelopment is complicated by real or perceived environmental contamination.

Half-Mile 

9) ***New York Solid Waste Facilities Registry****:* active and inactive landfills, incinerators, transfer stations or other solid waste management facilities.

Half-Mile 

10) ***New York City 1934 Solid Waste Sites****:* a listing of solid waste disposal sites operated by New York City municipal authorities circa 1934.

Half-Mile 

11) ***New York and Federal Hazardous Waste Treatment, Storage or Disposal Facilities****:* sites reported by the NYS manifest system and the USEPA's Resource Conservation and Recovery Act Information System (RCRIS). Also includes the following database:

- ***RCRA violations:*** waste facilities with violations reported by the USEPA pursuant to the Resource Conservation and Recovery Act.

Half-Mile 

12) ***Toxic Spills: active and inactive or closed*** spills reported to state environmental authorities, including *remediated* and *unremediated* leaking underground storage tanks. This database includes the following categories:

- Tank Failures
- Tank Test Failures
- Unknown Spill Cause or Other Spill Causes
- Miscellaneous Spill Causes

Eighth-Mile 

13) ***New York State Major Oil Storage Facilities****:* sites with more than a 400,000 gallon capacity for storing petroleum products.

Eighth-Mile 

14) ***New York State Petroleum Bulk Storage Facilities****:* sites with more than an 1,100 gallon capacity for storing petroleum products.

Eighth-Mile 

15) ***New York City Fire Dept Tank Data****:* tank data from 1997.

Eighth-Mile 

16) ***New York and Federal Hazardous Waste Generators and Transporters****:* sites reported by the NYS manifest system and the USEPA's Resource Conservation and Recovery Act Information System (RCRA). Also includes the following database:

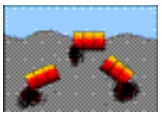
- ***RCRA violations:*** waste facilities with violations reported by the USEPA pursuant to the Resource Conservation and Recovery Act.

Eighth-Mile 

17) ***New York Chemical Bulk Storage Facilities****:* sites storing hazardous substances listed in 6 NYCRR Part 597 in aboveground tanks with capacities of 185 gallons or more and/or underground tanks of any size

Eighth-Mile 

18) ***Historic New York City Utility Sites (1890's to 1940's)****:* power generating stations, manufactured gas plants, gas storage facilities, maintenance yards and other gas and electric utility sites.

Half-Mile 

19) ***New York Hazardous Substance Disposal Site Draft Study****:* a state listing of sites contaminated with toxic substances that can pose environmental or public health hazards. These sites were not eligible for state clean up funding programs.

Eighth-Mile 

20) ***Federal Toxic Release Inventory Facilities****:* discharges of selected toxic chemicals to air, land, water or treatment facilities.

Eighth-Mile 

21) ***Federal Air Discharges****:* air pollution point sources monitored by U.S. EPA and/or state and local air regulatory agencies.

Eighth-Mile 

22) ***Federal Permit Compliance System Toxic Wastewater Discharges:*** permitted toxic wastewater discharges.

Eighth-Mile 

23) ***Federal Civil and Administrative Enforcement Docket****:* judiciary cases filed on behalf of the U. S. Environmental Protection Agency by the Department of Justice.

On-site only (250 ft) 

24) ***New York City Environmental Quality Review (CEQR) – E Designation Sites****:* parcels assigned a special environmental ("E") designation under the CEQR process. E designation requires specific protocols that must be followed.

Property only 

25) ***ERNS: Federal Emergency Response Notification System Spills****:* a listing of federally reported spills.

Limitations Of The Information In Your Report

The information presented in your *Environmental Report* has been obtained from various local, state and federal government agencies. Please be aware that: **1)** additional information on individual sites may be available, **2)** newly discovered sites are continually reported and **3)** all map locations are approximate. As a result, this report is intended to be the FIRST STEP in the process of identifying and evaluating possible environmental threats to specific properties and can only serve as a guide for conducting on-site visits or additional, more detailed toxic hazard research.

Toxics Targeting tries to ensure that the information in your report is presented accurately and with minimal alteration. Systematic changes are made to correct obvious address errors in order to allow sites to be mapped. Any address changes that are made are noted in the map information section at the top of each corresponding *Toxic Site Profile*. Some information that has been withheld by government authorities remains included in Toxic Site Profiles and is identified as archival information. Since the information presented in your report is not edited, please be aware that it can contain reporting errors or typographical mistakes made by the site owners/operators or government agencies that produced the information. Also please be aware of some other limitations of the information in your report:

- The digital map used by *Toxics Targeting* is the same one used by the U. S. Census or local authorities in New York City. While the map is generally accurate, no map is perfect. In addition, *Toxics Targeting's* mapping methods estimate where toxic site addresses are located if the address is not specifically designated. FOR THESE REASONS, ALL MAP LOCATIONS OF ADDRESSES AND REPORTED TOXIC SITES SHOULD BE CONSIDERED APPROXIMATE AND SHOULD BE VERIFIED BY ON-SITE VISITS;

- UNDISCOVERED, UNREPORTED OR UNMAPPABLE TOXIC SITES MIGHT NOT BE IDENTIFIED BY THIS REPORT'S CHECK OF 25 TOXIC SITE CATEGORIES. TOXIC SITES REPORTED IN OTHER GOVERNMENT DATABASES MIGHT ALSO EXIST. FOR THESE REASONS, YOUR REPORT MIGHT NOT IDENTIFY ALL THE TOXIC SITES THAT EXIST IN THE AREA IT SEARCHES;

- The appendix of your report contains a listing of sites that could not be mapped due to incomplete or erroneous address information or other mapping problems. This listing includes unmappable toxic sites in the zip codes searched for the report as well as toxic sites without zip codes reported in the same county. IF YOU WOULD LIKE INFORMATION ON ANY OF THE LISTED SITES, PLEASE CONTACT *TOXICS TARGETING AND REFER TO THE SITE ID NUMBER.*

- New York State Department of Environmental Conservation Remediation Site Borders are approximate and may not align with tax parcel boundaries mapped by local authorities or the digital map used by the US Census Bureau. As a result, Remediation Site Borders may overlap parcels that do not involve site remediation activities. Selected parcels also can involve multiple Remediation Site Borders. Refer to individual site profiles for more information. Sites without profiles include potential new sites or sites that have not yet been publicly listed by DEC.

- Some toxic sites identified in your report may be classified as **known hazards**. Most of the toxic sites identified in your report involve **potential hazards** related to the on-site use, manufacture, handling, storage, transport or disposal of toxic chemicals. Some of the toxic sites identified in your report may be the addresses of parties responsible for toxic sites located elsewhere. YOU SHOULD ONLY CONCLUDE THAT TOXIC HAZARDS ACTUALLY EXIST AT A SPECIFIC SITE WHEN GOVERNMENT AUTHORITIES MAKE THAT DETERMINATION OR WHEN THAT CONCLUSION IS FULLY DOCUMENTED BY THE FINDINGS OF AN APPROPRIATE SITE INVESTIGATION UNDERTAKEN BY LICENSED PROFESSIONALS;

- Compass directions and distances are approximate. Compass directions are calculated from the subject property address to the mapped location of each identified toxic site. The compass direction does not necessarily refer to the closest property boundary of an identified toxic site. The compass direction also can vary substantially for toxic sites that are located very close to the subject property address.

- The information presented in your report is a summary of the information that *Toxics Targeting* obtains from government agencies on reported toxic sites. YOU MAY BE ABLE TO OBTAIN ADDITIONAL INFORMATION ABOUT REPORTED SITES WITH THE FREEDOM OF INFORMATION REQUEST FORM LETTERS THAT ARE PROVIDED ON THE INSIDE OF THE BACK COVER.

Section One:

Report Summary

- *Table One: Number of Identified Toxic Sites By Distance Interval*
- *Table Two: Identified Toxic Sites By Direction*
- *Table Three: Identified Toxic Sites By Category*
- *Table Four: Identified Toxic Sites By Proximity*
- *Map One: One-Mile Radius Map*
- *Map Two: Half-Mile Radius Map*
- *Map Three: Eighth-Mile Radius Map*
- *Map Four: Eighth-Mile Radius Close up Map*
- *Map Five: Tax Parcel Map*
- *Table Five: Tax Parcel Map Information Table*

NUMBER OF IDENTIFIED SITES BY DISTANCE INTERVAL

Database Searched	0 − 100 ft	100 ft − 1/8 mi	1/8 mi − 1/4 mi	1/4 mi − 1/2 mi	1/2 mi − 1 mi	Site Category Totals
ASTM−Required 1 Mile Search						
National Priority List (NPL) Sites	0	0	0	0	0	0
NYS Inactive Hazardous Waste Disposal Site Registry	0	0	0	0	1	1
NYS Inactive Haz Waste Disposal Site Registry Qualifying	0	0	0	0	0	0
RCRA Corrective Action (CORRACTS) Sites	0	0	0	1	0	1
ASTM−Required 1/2 Mile Search						
Delisted National Priority List (NPL) Sites	0	0	0	0	Not searched	0
CERCLIS Superfund Non−NFRAP Sites	0	0	0	0	Not searched	0
CERCLIS Superfund NFRAP Sites	0	0	0	0	Not searched	0
Brownfields Sites						
Voluntary Cleanup Program	0	0	0	1	Not searched	1
Environmental Restoration Program	0	0	0	0	Not searched	0
Brownfield Cleanup Program	0	0	0	1	Not searched	1
NYSDEC Solid Waste Facilities / Landfills	0	0	0	0	Not searched	0
RCRA Hazardous Waste Treatment, Storage, Disposal Sites	0	0	0	2	Not searched	2
NYS Toxic Spills						
Active Tank Failures	0	0	0	0	Not searched	0
Active Tank Test Failures	0	1	1	3	Not searched	5
Active Spills − Unknown / Other Causes	0	0	3	10	Not searched	13
Active Spills − Miscellaneous Causes	0	0	2	2(6)	Not searched	4(6)
Closed Tank Failures	0	0	3	9	Not searched	12
Closed Tank Test Failures	0	1	10	21	Not searched	32
Closed Spills − Unknown / Other Causes	0	11	33	110	Not searched	154
Closed Spills − Miscellaneous Causes	0	15	9(34)	19(153)	Not searched	43(187)
ASTM−Required Property & Adjacent Property (1/8 Mile Search)						
NYS Major Oil Storage Facilities	0	0	Not searched	Not searched	Not searched	0
Local & State Petroleum Bulk Storage Sites	0	28	Not searched	Not searched	Not searched	28
RCRA Hazardous Waste Generators & Transporters	0	56	Not searched	Not searched	Not searched	56
NYS Chemical Bulk Storage Sites	0	2	Not searched	Not searched	Not searched	2
Historic Utility Facilities	0	0	Not searched	Not searched	Not searched	0
ASTM−Required On−Site Only Search						
NYC Environmental Quality Review Requirements ("E") Sites*	0	3	Not searched	Not searched	Not searched	3
Emergency Response Notification System (ERNS)	0	Not searched	Not searched	Not searched	Not searched	0
Institutional Controls / Engineering Controls (IC/EC)	See databases for NPL, CERCLIS, Inactive Hazardous Waste Disposal Site Registry and Brownfield Sites.					
ASTM−Required Databases Distance Interval Totals	**0**	**117**	**61(34)**	**179(159)**	**1**	**358(193)**

Numbers in ( ) indicate spills not mapped and profiled in this report, and are listed at the end of the active and closed spills sections. See these lists for a description of the parameters involved with identifying these spills.

* NYC Environmental Quality Review Requirements ("E") Sites were searched at 250 feet.

NOTE: Table continues on next page.

Non−ASTM Databases 1/2 Mile Search						
1934 NYC Municipal Waste Landfills	0	0	0	0	Not searched	0
Hazardous Substance Waste Disposal Sites	0	0	0	0	Not searched	0
Non−ASTM Databases 1/8 Mile Search						
Toxic Release Inventory Sites (TRI)	0	1	Not searched	Not searched	Not searched	1
Permit Compliance System (PCS) Toxic Wastewater Discharges	0	0	Not searched	Not searched	Not searched	0
Air Discharges	0	2	Not searched	Not searched	Not searched	2
Civil & Administrative Enforcement Docket Facilities	0	0	Not searched	Not searched	Not searched	0
Non−ASTM Databases Distance Interval Totals	**0**	**3**	**0**	**0**	**Not Searched**	**3**
Distance Interval Totals	***0***	***120***	***61(34)***	***179(159)***	***1***	***361(193)***

Numbers in ( ) indicate spills not mapped and profiled in this report, and are listed at the end of the active and closed spills sections. See these lists for a description of the parameters involved with identifying these spills.

Identified Toxic Sites by Direction

487 W 129th Street
New York, NY 10027

* Compass directions can vary substantially for sites located very close to the subject property address.

Sites less than 100 feet from subject property sorted by distance

Map Id#	Site Name	Site Street	Approximate Distance & Direction From Property	Toxic Site Category
No sites found less than 100 feet from subject property				

Sites between 100 ft and 400 ft from the subject property sorted by direction and distance

Map Id#	Site Name	Site Street	Approximate Distance & Direction From Property	Toxic Site Category
74	W 130 ST BETWEEN	CONVENT AV & AMSTERDAM AV	134 feet to the NNE*	Closed Status Spill (Unk/Other Cause)
301	CON EDISON	SS W 130TH ST 207‘ EO AMSTERDAM	137 feet to the NNE*	Hazardous Waste Generator/Transporter
362		BLOCK: 1970 LOT: 9	215 feet to the NNE	NYC Env. Qual. Review−"E" Designation
274	ST PHILIPS ON CONVENT	450 W 131 ST	293 feet to the NE	Petroleum Bulk Storage Site
318	CON EDISON	FO 70 CONVENT AVE	323 feet to the ENE	Hazardous Waste Generator/Transporter
361		BLOCK: 1969 LOT: 68	143 feet to the E*	NYC Env. Qual. Review−"E" Designation
312	CON EDISON	SWC W 130 & CONVENT AVE	284 feet to the E	Hazardous Waste Generator/Transporter
313	CON EDISON	SE CONVENT AVE 7 130TH ST	284 feet to the E	Hazardous Waste Generator/Transporter
314	CON EDISON	W 130TH ST 55 FT EO CONVENT AVE	284 feet to the E	Hazardous Waste Generator/Transporter
315	CON EDISON	W 130TH ST & CONVENT AVE	284 feet to the E	Hazardous Waste Generator/Transporter
316	NYC CITY COLLEGE	COVENANT AVE & 130TH ST	284 feet to the E	Hazardous Waste Generator/Transporter
8	APARTMENT BLDG − TTF	48 CONVENT ST	192 feet to the ESE*	Active Tank Test Failure
272	48 CONVENT AVE.	48 CONVENT AVE.	198 feet to the ESE*	Petroleum Bulk Storage Site
303	CONSOLIDATED EDISON	48 CONVERT AVE	200 feet to the ESE	Hazardous Waste Generator/Transporter
278	THE ST. AGNES HOUSING DEVELOPMENT FUND	41 CONVENT AVENUE	396 feet to the ESE	Petroleum Bulk Storage Site
360		BLOCK: 1969 LOT: 12	105 feet to the SE*	NYC Env. Qual. Review−"E" Designation
299	L S C DEVELOPMENT LLC	40 CONVENT AVE	123 feet to the SE*	Hazardous Waste Generator/Transporter
319	NYNEX	129TH STREET AND CONVERT	383 feet to the SE	Hazardous Waste Generator/Transporter
320	CONED	CONVENT AVE	383 feet to the SE	Hazardous Waste Generator/Transporter
321	CON EDISON	S/E/C W. 129TH ST & CONVENT AVE	383 feet to the SE	Hazardous Waste Generator/Transporter
275	CONVENT AVENUE FAMILY LIVING CENTER	456 WEST 129TH STREET	332 feet to the SSE	Petroleum Bulk Storage Site
236	462 WEST 129TH STREET	462 WEST 129TH STREET	348 feet to the SSE	Closed Status Spill (Misc. Spill Cause)
276	VERIZON NEW YORK INC−NY−15501	460 WEST 129TH STREET	352 feet to the SSE	Petroleum Bulk Storage Site
237	34 CONVENT AVE	34 CONVENT AVE	377 feet to the SSE	Closed Status Spill (Misc. Spill Cause)

277	CONVENT AVE FAMILY	34 CONVENT AVE	380 feet to the SSE	Petroleum Bulk Storage Site
273	AMSTERDAM BUS DEPOT	1381 AMSTERDAM AVENUE	220 feet to the SSW	Petroleum Bulk Storage Site
358	NYCTA − AMSTERDAM BUS DEPOT	1381 AMSTERDAM AVENUE	241 feet to the SSW	Air Discharge Site
357	AMSTERDAM BUS DEPOT	1381 AMSTERDAM AVE.	256 feet to the SSW	Toxic Release Inventory Site
317	NYCTA	1381 AMSTERDAM AVE	285 feet to the SSW	Hazardous Waste Generator/Transporter
300	CONSOLIDATED EDISON	S/S 129 (WEST) 200‘ E. OF AMSTERDAM AVE	131 feet to the SW*	Hazardous Waste Generator/Transporter
355	AMSTERDAM BUS DEPOT	1381 AMSTERDAM AVENUE	229 feet to the SW	Chemical Bulk Storage Facility
42	AMSTERDAM DEPOT	1381 AMSTERDAM AVENUE	239 feet to the SW	Closed Status Tank Test Failure
75	AMSTERDAM DEPOT	1381 AMSTERDAM AVENUE	239 feet to the SW	Closed Status Spill (Unk/Other Cause)
76	NYCT AMSTERDAM DEPOT	1381 AMSTERDAM AVE	239 feet to the SW	Closed Status Spill (Unk/Other Cause)
77	AMSTERDAM DEPOT	1381 AMSTERDAM AVE	239 feet to the SW	Closed Status Spill (Unk/Other Cause)
228	AMSTERDAM BUS DEPOT	1381 AMSTERDAM AV	239 feet to the SW	Closed Status Spill (Misc. Spill Cause)
229	AMSTERDAM BUS DEPOT − NYCT	1381 AMSTERDAM AVENUE	239 feet to the SW	Closed Status Spill (Misc. Spill Cause)
230	AMSTERDAM BUS DEPOT − NYCT	1381 AMSTERDAM AVENUE	239 feet to the SW	Closed Status Spill (Misc. Spill Cause)
231	AMSTERDAM BUS DEPOT − NYCT	1381 AMSTERDAM AVENUE	239 feet to the SW	Closed Status Spill (Misc. Spill Cause)
232	AMSTERDAM BUS DEPOT	1381 AMSTERDAM AVE	239 feet to the SW	Closed Status Spill (Misc. Spill Cause)
233	AMSTERDAM DEPOT	1381 AMSTERDAM AV	239 feet to the SW	Closed Status Spill (Misc. Spill Cause)
80	ROADWAY	AMSTERDAM AVE BETWEEN 128 AND 129	359 feet to the WSW	Closed Status Spill (Unk/Other Cause)
78	IN A PIT	AMSTERDAM AVE & W129TH ST	277 feet to the W	Closed Status Spill (Unk/Other Cause)
79	AMSTERDAM AVE/W 129TH ST	AMSTERDAM AVE W 129TH ST	277 feet to the W	Closed Status Spill (Unk/Other Cause)
234	SPILL NUMBER 0305249	AMSTERDAM AV/129TH ST	277 feet to the W	Closed Status Spill (Misc. Spill Cause)
305	BELL ATLANTIC − NY	129TH ST & AMSTERDAM (MANHOLE)	277 feet to the W	Hazardous Waste Generator/Transporter
306	CON EDISON	N/W/C W 129 ST & AMSTERDAM AVE	277 feet to the W	Hazardous Waste Generator/Transporter
307	NYC PARKS & RECREATION	129TH ST & AMSTERDAM AVE	277 feet to the W	Hazardous Waste Generator/Transporter
271	1405 AMSTERDAM AVENUE	1405 AMSTERDAM AVENUE	154 feet to the WNW*	Petroleum Bulk Storage Site
302	CONSOLIDATED EDISON	1413 AMSTERDAM AVE & 130 ST	148 feet to the NW*	Hazardous Waste Generator/Transporter
304	CON EDISON	F/O 1413 AMSTERDAM AVE	226 feet to the NW	Hazardous Waste Generator/Transporter
235	MANHOLE #24661	130TH ST & AMSTERDAM AVE	282 feet to the NNW	Closed Status Spill (Misc. Spill Cause)
308	CONSOLIDATED EDISON	MH24661−130TH & AMSTERDAM	282 feet to the NNW	Hazardous Waste Generator/Transporter
309	CON EDISON	W 130TH ST & AMSTERDAM AVE	282 feet to the NNW	Hazardous Waste Generator/Transporter
310	CON EDISON	SW AMSTERDAM AVE & 130TH ST	282 feet to the NNW	Hazardous Waste Generator/Transporter
311	CON EDISON	NEC W 130 ST & AMSTERDAM AVE	282 feet to the NNW	Hazardous Waste Generator/Transporter

Sites equal to or greater than 400 ft from subject property sorted by direction and distance

Map Id#	Site Name	Site Street	Approximate Distance & Direction From Property	Toxic Site Category
322	CON EDISON	FO 1429 AMSTERDAM AVE	416 feet to the N	Hazardous Waste Generator/Transporter
326	CON EDISON	SE COR W 131ST ST & AMSTERDAM	467 feet to the N	Hazardous Waste Generator/Transporter
327	CONSOLIDATED EDISON OF NY	N/W/C 131ST ST AMSTERDAM AVE	467 feet to the N	Hazardous Waste Generator/Transporter
328	CON EDISON	N OF 131ST & AMSTERDAM AVE	467 feet to the N	Hazardous Waste Generator/Transporter
329	CON EDISON	NW COR W 131 ST & AMSTERDAM AVE	467 feet to the N	Hazardous Waste Generator/Transporter
241	APT BLDG	1437 AMSTERDAM AVE	468 feet to the N	Closed Status Spill (Misc. Spill Cause)

280	MORNINGSIDE REALTY ASSOC.	1437 AMSTERDAM AVE	469 feet to the N	Petroleum Bulk Storage Site
281	BENJAMIN THURSTON	465 W 131 ST	469 feet to the N	Petroleum Bulk Storage Site
284	1439 AMSTERDAM AVENUE	1439 AMSTERDAM AVENUE	492 feet to the N	Petroleum Bulk Storage Site
338	CON EDISON	FO 1441 AMSTERDAM AVE	564 feet to the N	Hazardous Waste Generator/Transporter
53	NYC HOUSING COMPLEX	504 WEST 135TH ST	1440 feet to the N	Closed Status Tank Test Failure
56	HPD	527 W.134TH ST	1543 feet to the N	Closed Status Tank Test Failure
136	APT BUILDING	518 WEST 136 ST	1795 feet to the N	Closed Status Spill (Unk/Other Cause)
142	SOUTHWEST CORNER	135TH ST & BROADWAY	1850 feet to the N	Closed Status Spill (Unk/Other Cause)
173	MANHOLE 3140	WEST 136TH ST & BROADWAY	2077 feet to the N	Closed Status Spill (Unk/Other Cause)
264	BROADWAY/W. 136TH ST.	BROADWAY/W. 136TH ST	2077 feet to the N	Closed Status Spill (Misc. Spill Cause)
36	500 WEST 138TH ST/PS 192	500 WEST 138TH STREET	2171 feet to the N	Closed Status Tank Failure
179	PS #192	500 WEST 138TH ST	2171 feet to the N	Closed Status Spill (Unk/Other Cause)
180	PUBLIC SCHOOL 24	500 WEST 138TH ST	2171 feet to the N	Closed Status Spill (Unk/Other Cause)
192	SPILL IS IN REGION 2	NOT IN REG 3	2296 feet to the N	Closed Status Spill (Unk/Other Cause)
193	137TH ST & BROADWAY/CONED	137TH ST AND BROADWAY	2296 feet to the N	Closed Status Spill (Unk/Other Cause)
194	137TH STREET AND BROADWAY	7TH AVENUE STOP / SUBWAY	2296 feet to the N	Closed Status Spill (Unk/Other Cause)
195	LEAK WATCH− YONKERS TO MANHATTAN	BROADWAY AND W. 137 ST.	2296 feet to the N	Closed Status Spill (Unk/Other Cause)
196	MANHOLE	BROADWAY & WEST 137TH ST	2296 feet to the N	Closed Status Spill (Unk/Other Cause)
197	M52 FEEDER LEAK WITHIN MANHOLE	137 STREET & BROADWAY	2296 feet to the N	Closed Status Spill (Unk/Other Cause)
198	FEEDER M52 LEAKED INTO MH 62566	WEST 137 STREET & BROADWAY	2296 feet to the N	Closed Status Spill (Unk/Other Cause)
219	APT BLDG	35 HAMILTON PLACE	2509 feet to the N	Closed Status Spill (Unk/Other Cause)
330	CONSOLIDATED EDISON	88 CONVENT AVE	472 feet to the NNE	Hazardous Waste Generator/Transporter
285	AUNNUNCIATION CHURCH	88 CONVENT AVE	505 feet to the NNE	Petroleum Bulk Storage Site
286	CHURCH ANNUNCIATION	461 W 131 ST	505 feet to the NNE	Petroleum Bulk Storage Site
294	CONVENT REALTY LLC	90 CONVENT AVENUE	597 feet to the NNE	Petroleum Bulk Storage Site
346	CONSOLIDATED EDISON	96 CONVENT AVE	641 feet to the NNE	Hazardous Waste Generator/Transporter
100	133RD ST & CONVENT AV	133RD ST & CONVENT AV	914 feet to the NNE	Closed Status Spill (Unk/Other Cause)
31	MANHATTANVILLE	W 133RD ST & AMSTERDAM AV	941 feet to the NNE	Closed Status Tank Failure
247	PS 161	499 W 133RD ST	1073 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
32	501 WEST 134TH ST	501 WEST 134TH ST	1277 feet to the NNE	Closed Status Tank Failure
118	MERCURY SPILL CITY OWNED SITE	150 CONVENT AVE	1331 feet to the NNE	Closed Status Spill (Unk/Other Cause)
7	CITY COLLEGE OF NY	160 CONVENT AVENUE	2095 feet to the NNE	Hazardous Waste Treat, Storage, Disposal
70	CCNY BUILDING	152−236 CONVENT AVE	2145 feet to the NNE	Closed Status Tank Test Failure
188	138TH ST & AMSTERDAM AVE	138TH ST & AMSTERDAM AVE	2269 feet to the NNE	Closed Status Spill (Unk/Other Cause)
211	CARIB AUTO SHOP	1590 AMSTERDAM AVE	2472 feet to the NNE	Closed Status Spill (Unk/Other Cause)
212	IN FRONT OF	1592 AMSTERDAM AVE.	2472 feet to the NNE	Closed Status Spill (Unk/Other Cause)
81	SIDEWALK	131ST ST/ CONVENT AVE	419 feet to the NE	Closed Status Spill (Unk/Other Cause)
279	1437 AMSTERDAM AVE REALTY INC	405 WEST 131TH STREET	430 feet to the NE	Petroleum Bulk Storage Site
282	PUBLIC SCHOOL 223−MOTT HALL (M223)	131ST STREET &	481 feet to the NE	Petroleum Bulk Storage Site
283	MOTT HALL SCHOOL,IS 223	75 CONVENT AVE	481 feet to the NE	Petroleum Bulk Storage Site
293	CITY COLLEGE OF NEW YORK	91 CONVENT AVE (PK GYM)	596 feet to the NE	Petroleum Bulk Storage Site
342	CCNY − PARK GYMNASIUM	77 CONVENT AVE	610 feet to the NE	Hazardous Waste Generator/Transporter
101	IN BEDROCK	162 ST. NICHOLAS TERRACE	943 feet to the NE	Closed Status Spill (Unk/Other Cause)
102	CITY COLLEGE	141 CONVENT AVE	943 feet to the NE	Closed Status Spill (Unk/Other Cause)
55	CITY COLLEGE OF NY	W 135TH STREET &	1494 feet to the NE	Closed Status Tank Test Failure
28	DASNY	W.135TH ST & ST NICHOLAS	1569 feet to the NE	Active Haz Spill (Misc. Spill Cause)
35	UNIVERSITY, MARSHAK BUILDING	137TH STREET	1962 feet to the NE	Closed Status Tank Failure
220	207 CONVENT AVE	207 CONVENT AVE	2522 feet to the NE	Closed Status Spill (Unk/Other Cause)
1	FILM STORAGE WAREHOUSE SITE	203−209 WEST 146TH STREET	4958 feet to the NE	NYSDEC Inactive Haz Waste Disposal Site
205	APT BLD	270 WEST 136TH STREET	2364 feet to the ENE	Closed Status Spill (Unk/Other Cause)

269	238 WEST 136TH ST	238 WEST 136TH ST	2568 feet to the ENE	Closed Status Spill (Misc. Spill Cause)
335	NYC BOARD OF EDUCATION − PS 129	425 W 130TH STREET	545 feet to the E	Hazardous Waste Generator/Transporter
291	PUBLIC SCHOOL 129 − MANHATTAN	425 WEST 130TH STREET	556 feet to the E	Petroleum Bulk Storage Site
54	TANK TEST FAILURE TTF	440 SAINT NICHOLAS AVE	1492 feet to the E	Closed Status Tank Test Failure
134	APART	480 ST NICHOLOS AVE	1746 feet to the E	Closed Status Spill (Unk/Other Cause)
155	269 W 133RD STREET	269 W. 133RD STREET	1903 feet to the E	Closed Status Spill (Unk/Other Cause)
183	222 W.134 ST. MANHATTAN/#	222 W. 134 ST.	2238 feet to the E	Closed Status Spill (Unk/Other Cause)
184	222 WEST 134TH ST − P.S. 92	222 WEST 134TH ST	2238 feet to the E	Closed Status Spill (Unk/Other Cause)
190	APARTMENT BUILDING	260 WEST 135TH ST	2286 feet to the E	Closed Status Spill (Unk/Other Cause)
191	CHURCH	219 WEST 132ND STREET	2290 feet to the E	Closed Status Spill (Unk/Other Cause)
71	32ND PERC. NYPD	135TH ST HARLEM	2380 feet to the E	Closed Status Tank Test Failure
206	32 PRECINCT NYPD −DDC	250 WEST 135TH STREET	2380 feet to the E	Closed Status Spill (Unk/Other Cause)
208	JUAN MARRERO	2248 7TH AVENUE	2445 feet to the E	Closed Status Spill (Unk/Other Cause)
224	SPILL NUMBER 9912736	224 W 135TH ST	2561 feet to the E	Closed Status Spill (Unk/Other Cause)
226	UNK	232 W. 136TH ST.	2607 feet to the E	Closed Status Spill (Unk/Other Cause)
83	BACK OF 419 WEST 129TH STREET	418−420 WEST 130TH STREET	517 feet to the ESE	Closed Status Spill (Unk/Other Cause)
289	129 STREET REALTY CORP.	419 WEST 129TH STREET	528 feet to the ESE	Petroleum Bulk Storage Site
290	418 WEST 130TH LLC	418 WEST 130TH STREET	532 feet to the ESE	Petroleum Bulk Storage Site
85	APARTMENT BUILDING	408−410 WEST 130TH ST.	662 feet to the ESE	Closed Status Spill (Unk/Other Cause)
86	408 WEST 130TH STREET	408 WEST 130TH STREET	662 feet to the ESE	Closed Status Spill (Unk/Other Cause)
252	ADJACENT TO VAULT #9034	2437 8TH AVE	1387 feet to the ESE	Closed Status Spill (Misc. Spill Cause)
253	VAULT 9034	2437 8TH AVE	1387 feet to the ESE	Closed Status Spill (Misc. Spill Cause)
125	217193; 8 AVE AND 130 ST	8 AVE AND 130 ST	1560 feet to the ESE	Closed Status Spill (Unk/Other Cause)
126	210142; 8 AV 2445 & FRED DOUGLASS B	8 AV 2445 & FRED DOUGLASS B	1579 feet to the ESE	Closed Status Spill (Unk/Other Cause)
265	PVT DWELLING	224 WEST 132ND ST	2219 feet to the ESE	Closed Status Spill (Misc. Spill Cause)
12	APT BLD 203 − TTF	203 WEST 131ST ST	2312 feet to the ESE	Active Tank Test Failure
199	OPEN EXCAVATION	203 WEST 131ST ST	2312 feet to the ESE	Closed Status Spill (Unk/Other Cause)
210	XFMR IN VAULT TM 3229 HAS BOTTOM LEAK	WEST 129 STREET & 7 AVENUE	2455 feet to the ESE	Closed Status Spill (Unk/Other Cause)
216	TM #1893	WEST 131ST STREET AND 7TH	2483 feet to the ESE	Closed Status Spill (Unk/Other Cause)
288	33 CONVENT AVENUE HDFC	29−33 CONVENT AVENUE	527 feet to the SE	Petroleum Bulk Storage Site
333	CON EDISON	419 W 129TH ST	539 feet to the SE	Hazardous Waste Generator/Transporter
292	418 WEST 129 STREET	418−420 WEST 129TH STREET	594 feet to the SE	Petroleum Bulk Storage Site
297	416 HDFC	416 W 129 ST	649 feet to the SE	Petroleum Bulk Storage Site
87	419 WEST 128TH STREET	419 WEST 128TH STREET	690 feet to the SE	Closed Status Spill (Unk/Other Cause)
88	419 W. 128TH STREET	419 W. 128TH STREET	690 feet to the SE	Closed Status Spill (Unk/Other Cause)
30	MT. WILSON PARTNERS APTS.	412 W.129TH STREET	704 feet to the SE	Closed Status Tank Failure
94	411 W 128TH ST	411 W 128TH ST	803 feet to the SE	Closed Status Spill (Unk/Other Cause)
49	APARTMENT BUILDING	8 ST NICHOLAS TERRACE	1088 feet to the SE	Closed Status Tank Test Failure
166	UNK	215 W.127TH ST.	1995 feet to the SE	Closed Status Spill (Unk/Other Cause)
217	MANHOLE 44896	W 128TH ST & 7TH AV	2483 feet to the SE	Closed Status Spill (Unk/Other Cause)
268	MANHOLE # 44896	SE CORNER OF W 128TH/7TH	2483 feet to the SE	Closed Status Spill (Misc. Spill Cause)
227	MANHOLE #44873	W 126TH ST & 7TH AV	2615 feet to the SE	Closed Status Spill (Unk/Other Cause)
334	CON EDISON	F/O 449W 128TH ST	542 feet to the SSE	Hazardous Waste Generator/Transporter
336	CON EDISON	F/O 22 CONVENT AVE	545 feet to the SSE	Hazardous Waste Generator/Transporter
337	CON EDISON	F/O 22 CONVENT AVE	545 feet to the SSE	Hazardous Waste Generator/Transporter
84	CONVENT AVE & 128TH STR	2125 CONVENT AVENUE	623 feet to the SSE	Closed Status Spill (Unk/Other Cause)
242	VACANT LOT	128TH ST & CONVENT AVE	629 feet to the SSE	Closed Status Spill (Misc. Spill Cause)
343	CON EDISON	W 128TH ST & CONVENT AVE	629 feet to the SSE	Hazardous Waste Generator/Transporter
344	CON EDISON	N/E/C CONVENT AVE & W. 128TH ST	629 feet to the SSE	Hazardous Waste Generator/Transporter

345	CON EDISON	NWC W 128 ST & CONVENT AVE	629 feet to the SSE	Hazardous Waste Generator/Transporter
295	21−25 CONVENT AVENUE REALTY LLC	21 CONVENT AVENUE	639 feet to the SSE	Petroleum Bulk Storage Site
296	CLASSIC REALTY&MGMT CORP	21 CONVENT AVE	639 feet to the SSE	Petroleum Bulk Storage Site
99	210821; MORNINGSIDE AVE AND 127 ST	MORNINGSIDE AVE AND 127 ST	903 feet to the SSE	Closed Status Spill (Unk/Other Cause)
121	COMMERCIAL ADDRESS	357 WEST 125TH STREET	1463 feet to the SSE	Closed Status Spill (Unk/Other Cause)
256	SPILL NUMBER 0009511	301 ST NICHOLAS AVE	1463 feet to the SSE	Closed Status Spill (Misc. Spill Cause)
129	125ST	ST NICHOLAS AVE	1621 feet to the SSE	Closed Status Spill (Unk/Other Cause)
164	SPILL NUMBER 0101178	8TH AVE & W 125TH ST	1952 feet to the SSE	Closed Status Spill (Unk/Other Cause)
176	FORMER GAS STATION	FREDERICK DOUGLASS BLVD	2137 feet to the SSE	Closed Status Spill (Unk/Other Cause)
187	CONSTRUCTION SITE	2300 FREDERICK DOUGLAS BLVD	2269 feet to the SSE	Closed Status Spill (Unk/Other Cause)
41	UPTOWN REALITY	222−224/226−228 W.125TH	2541 feet to the SSE	Closed Status Tank Failure
238	WEST 128TH ST BET AMSTERD	WEST 128TH ST BET AMSTERD	416 feet to the S	Closed Status Spill (Misc. Spill Cause)
339	BETANCOURT PROPERTY	458 WEST 128TH ST	574 feet to the S	Hazardous Waste Generator/Transporter
298	AFRO AMERICAN STUDIO	415 W 127 ST	649 feet to the S	Petroleum Bulk Storage Site
103	ENGINE CO. 037/LADD. CO. 40 FDNY −DDC	415 WEST 125TH STREET	1137 feet to the S	Closed Status Spill (Unk/Other Cause)
11	TTF − APARTMENT BLDG	285 ST NICHOLAS AVE	1691 feet to the S	Active Tank Test Failure
135	216910; ST. NICHOLAS AVE & HANCOCK PL	ST. NICHOLAS AVE & HANCOCK PL	1769 feet to the S	Closed Status Spill (Unk/Other Cause)
139	TRANS FORMER MANHOLE 1888	ST NICHOLOS AVE WEST 124TH	1835 feet to the S	Closed Status Spill (Unk/Other Cause)
34	YOUNG RESIDENCE	355 W. 123RD ST.	1864 feet to the S	Closed Status Tank Failure
29	RESIDENCE BASEMENT	98 MORNINGSIDE AVENUE	1942 feet to the S	Active Haz Spill (Misc. Spill Cause)
161	EQUITY MANGEMENT	98 MORNINGSIDE AVE	1942 feet to the S	Closed Status Spill (Unk/Other Cause)
162	APT BUILDING	98 MORNINGSIDE AVE	1942 feet to the S	Closed Status Spill (Unk/Other Cause)
163	WATTS	98 MORINGING SIDE AVE	1942 feet to the S	Closed Status Spill (Unk/Other Cause)
168	MANHOLE #58711	WEST 123 ST & MANHATTAN AVE	2046 feet to the S	Closed Status Spill (Unk/Other Cause)
177	SPILL NUMBER 9911952	540 MANHATTAN AV	2156 feet to the S	Closed Status Spill (Unk/Other Cause)
178	APT BUILDING	540 MANHATTAN AVE	2156 feet to the S	Closed Status Spill (Unk/Other Cause)
266	SPILL NUMBER 9910909	527 1/2 MANHATTAN AVE	2262 feet to the S	Closed Status Spill (Misc. Spill Cause)
37	344 WEST 122ND STREET	344 WEST 122ND STREET	2269 feet to the S	Closed Status Tank Failure
189	OPEN TRENCH	W 122 ST/MANHATTAN AVE	2270 feet to the S	Closed Status Spill (Unk/Other Cause)
38	28TH PRECINCT NYPD −DDC	2271−89 EIGHTH AVE	2321 feet to the S	Closed Status Tank Failure
209	302 WEST 122TH ST.	302 WEST 122TH ST.	2447 feet to the S	Closed Status Spill (Unk/Other Cause)
72	235 ST NICHOLAS AVE	235 ST NICHOLAS AVENUE	2473 feet to the S	Closed Status Tank Test Failure
73	SHELL	235 ST NICHOLAS AV	2473 feet to the S	Closed Status Tank Test Failure
213	FORMER SHELL GAS STATION	235 ST NICHOLAS AVE	2473 feet to the S	Closed Status Spill (Unk/Other Cause)
214	SHELL GAS STATION	235 ST NICHOLAS AVE	2473 feet to the S	Closed Status Spill (Unk/Other Cause)
215	SHELL SERVICE #13876	235 ST NICHOLAS AVE	2473 feet to the S	Closed Status Spill (Unk/Other Cause)
4	FORMER SHELL SERVICE STATION AND PARKING GARAGE	225−237 ST. NICHOLAS AVENUE	2542 feet to the S	Brownfields Site
5	FORMER SHELL SERVICE STATION AND PARKING GARAGE	225−237 ST. NICHOLAS AVENUE	2598 feet to the S	Brownfields Site
354	CON EDISON	N/E/C W 126 ST AND W 127 ST	649 feet to the SSW	Hazardous Waste Generator/Transporter
48	NYC HPD	453 WEST 125TH ST	876 feet to the SSW	Closed Status Tank Test Failure
127	NEW YORK CITY BOARD OF ED	425 WEST 123RD STREET	1607 feet to the SSW	Closed Status Spill (Unk/Other Cause)
128	PS 125	WEST 123RD ST	1607 feet to the SSW	Closed Status Spill (Unk/Other Cause)
133	MANHOLE IN FRONT OF	433 WEST 123RD ST	1741 feet to the SSW	Closed Status Spill (Unk/Other Cause)
39	COLLEGE BUILDING	106 MORNING SIDE DRIVE	2321 feet to the SSW	Closed Status Tank Failure
325	CON EDISON MANHOLE 9240	538 W 128 ST	459 feet to the SW	Hazardous Waste Generator/Transporter
331	CONSOLIDATED EDISON	473 W 126TH ST	476 feet to the SW	Hazardous Waste Generator/Transporter
340	CONSOLIDATED EDISON	VS5942−AMERSTAM ST & 126TH ST	583 feet to the SW	Hazardous Waste Generator/Transporter
341	CONSOLIDATED EDISON	VS5942 − AMERSTAM & 126TH	583 feet to the SW	Hazardous Waste Generator/Transporter
246	1345 AMSTERDAM AVE.	1345 AMSTERDAM AVENUE	737 feet to the SW	Closed Status Spill (Misc. Spill Cause)
93	1346 AMSTERDAM	1346 AMSTERDAM AVE	779 feet to the SW	Closed Status Spill (Unk/Other Cause)

95	SERVICE BOX 20506	465 WEST 125TH ST	825 feet to the SW	Closed Status Spill (Unk/Other Cause)
96	SERVICE BOX 55632	FRONT OF 469 W.125TH ST	871 feet to the SW	Closed Status Spill (Unk/Other Cause)
97	STREET	AMSTERDAM AV & W 125TH	884 feet to the SW	Closed Status Spill (Unk/Other Cause)
108	MANHOLE 24630	LASALLE ST AND AMSTERDAM AVE	1192 feet to the SW	Closed Status Spill (Unk/Other Cause)
10	APT COMPLEX TTF	80 LASALLE ST	1595 feet to the SW	Active Tank Test Failure
57	SPILL NUMBER 0300855	80 LASALLE ST	1595 feet to the SW	Closed Status Tank Test Failure
58	80 LASALLE ST	80 LASALLE ST	1595 feet to the SW	Closed Status Tank Test Failure
257	IN ROADWAY	80 LASALLE STREET	1595 feet to the SW	Closed Status Spill (Misc. Spill Cause)
60	APARTMENT BLDG	1274 AMSTERDAM AVE	1797 feet to the SW	Closed Status Tank Test Failure
23	APT BLDG	524 W 123RD ST	1895 feet to the SW	Active Haz Spill (Unknown/Other Cause)
65	THE DERMOT COMPANY	526 WEST 123RD STREET	1906 feet to the SW	Closed Status Tank Test Failure
67	THE DERMOT COMPANY	503 WEST 122ND STREET	1948 feet to the SW	Closed Status Tank Test Failure
68	APRT	505 WEST 122ND	1956 feet to the SW	Closed Status Tank Test Failure
165	515 W 122ND ST	515 W 122ND ST	1990 feet to the SW	Closed Status Spill (Unk/Other Cause)
167	WEST 126TH STREET	MORNINGSIDE AVE/ AMSTERDA	2007 feet to the SW	Closed Status Spill (Unk/Other Cause)
69	JEWISH THEOLOGICAL SEMINARY	3080 BROADWAY	2048 feet to the SW	Closed Status Tank Test Failure
175	COLUMBIA UNIVERSITY	500 WEST 122ND STREET	2091 feet to the SW	Closed Status Spill (Unk/Other Cause)
182	509 WEST 121ST ST	509 WEST 121ST ST	2236 feet to the SW	Closed Status Spill (Unk/Other Cause)
185	MANHOLE #24608	W 121ST & AMSTERDAM AV	2264 feet to the SW	Closed Status Spill (Unk/Other Cause)
186	MAN HOLE #24608	W 121ST ST & AMSTERDAM AV	2264 feet to the SW	Closed Status Spill (Unk/Other Cause)
267	121ST & AMSTERDAM AVE	121ST ST & AMSTERDAM AVE	2264 feet to the SW	Closed Status Spill (Misc. Spill Cause)
200	212678; 502 W 121 ST	502 W 121 ST	2313 feet to the SW	Closed Status Spill (Unk/Other Cause)
218	COLUMBIA COLLEGE DORM	531 WEST 120TH STREET	2484 feet to the SW	Closed Status Spill (Unk/Other Cause)
221	212680; W 121 ST AND BROADWAY	W 121 ST AND BROADWAY	2526 feet to the SW	Closed Status Spill (Unk/Other Cause)
82	128TH ST & AMSTERDAM AVE	128TH ST / AMSTERDAM AVE	458 feet to the WSW	Closed Status Spill (Unk/Other Cause)
239	128TH ST AT	AMPSTERDAM AVE/AT DEAD ED	458 feet to the WSW	Closed Status Spill (Misc. Spill Cause)
240	AMSTERDAM AVE & 128TH ST	AMSTERDAM AVE & 128TH ST	458 feet to the WSW	Closed Status Spill (Misc. Spill Cause)
323	NYNEX	AMSTERDAM AVE & 128TH ST	458 feet to the WSW	Hazardous Waste Generator/Transporter
324	CONED	W128TH ST & AMSTERDAM AVE	458 feet to the WSW	Hazardous Waste Generator/Transporter
356	SHELTERING ARMS	126−129 OLD BROADWAY & AMSTERDAM AVE.	472 feet to the WSW	Chemical Bulk Storage Facility
50	GRANT HOUSES −NYCHA	1320 AMSTERDAM AVE	1176 feet to the WSW	Closed Status Tank Test Failure
51	GRANT HOUSES −NYCHA	1320 AMSTERDAM AVE	1176 feet to the WSW	Closed Status Tank Test Failure
130	BROADWAY	LASALLE AV	1642 feet to the WSW	Closed Status Spill (Unk/Other Cause)
131	FEEDER M52	BROADWAY & LA SALLE AVE	1642 feet to the WSW	Closed Status Spill (Unk/Other Cause)
132	MANHOLE #28707	LASALLE ST & BROADWAY	1642 feet to the WSW	Closed Status Spill (Unk/Other Cause)
156	BROADWAY SOUTH	122ND ST/LASALLE ST	1905 feet to the WSW	Closed Status Spill (Unk/Other Cause)
170	EXCAVATION	BROADWAY/123RD ST	2054 feet to the WSW	Closed Status Spill (Unk/Other Cause)
263	FEEDER M52	BROADWAY / 123RD ST	2054 feet to the WSW	Closed Status Spill (Misc. Spill Cause)
225	GRANTS TOMB	GRANTS TOMB	2576 feet to the WSW	Closed Status Spill (Unk/Other Cause)
270	91 CLERMONT AVE/RIVERSIDE	91 CLERMONT AVE	2616 feet to the WSW	Closed Status Spill (Misc. Spill Cause)
92	26 PRECINCT NYPD −DDC	520 WEST 126TH STREET	753 feet to the W	Closed Status Spill (Unk/Other Cause)
98	SPILL NUMBER 9808604	545 WEST 125TH STREET	890 feet to the W	Closed Status Spill (Unk/Other Cause)
109	MANHOLE 57843	125TH ST & BROADWAY	1208 feet to the W	Closed Status Spill (Unk/Other Cause)
110	IN DITCH	NE CORNER WEST 125TH ST/ BROADWAY	1208 feet to the W	Closed Status Spill (Unk/Other Cause)
111	212761; W 125 ST AND BROADWAY	W 125 ST AND BROADWAY	1208 feet to the W	Closed Status Spill (Unk/Other Cause)
113	MANHOLE #61734S	BROADWAY & TIEMAN PLACE	1301 feet to the W	Closed Status Spill (Unk/Other Cause)
114	FEEDER M52	TIEMAN PL & BROADWAY	1301 feet to the W	Closed Status Spill (Unk/Other Cause)
115	MANHOLE#47018	TIEMANA PLACE/BROADWAY	1301 feet to the W	Closed Status Spill (Unk/Other Cause)
249	FEEDER M51/52	BROADWAY/TIEMANN ST	1301 feet to the W	Closed Status Spill (Misc. Spill Cause)
250	FEEDER M51	BROADWAY NEAR TIEMANN PLACE	1301 feet to the W	Closed Status Spill (Misc. Spill Cause)
123	COMMERCIAL/APARTMENT	3155 BROADWAY	1534 feet to the W	Closed Status Spill (Unk/Other Cause)

332	NYC BOARD OF EDUCATION	JHS 43 M − 509 W 129TH ST	499 feet to the WNW	Hazardous Waste Generator/Transporter
287	JUNIOR HIGH SCHOOL 43 − MANHATTAN	509 WEST 129TH STREET	512 feet to the WNW	Petroleum Bulk Storage Site
105	SPILL NUMBER 9811696	W 126TH ST 11TH AVE	1151 feet to the WNW	Closed Status Spill (Unk/Other Cause)
112	3233− 3235 BROADWAY	3233− 3235 BROADWAY	1279 feet to the WNW	Closed Status Spill (Unk/Other Cause)
9	FORMER WOLF−AMOCO STATION / COLUMBIA UNIVERSITY	3225 BROADWAY	1286 feet to the WNW	Active Tank Test Failure
52	AMOCO	3225 BROADWAY	1286 feet to the WNW	Closed Status Tank Test Failure
120	VAULT 3098	603−11 W 129TH ST	1399 feet to the WNW	Closed Status Spill (Unk/Other Cause)
254	CONSTRUCTION SITE	603 WEST 129TH STREET	1399 feet to the WNW	Closed Status Spill (Misc. Spill Cause)
255	CONSTRUCTION SITE	605 WEST 129TH ST	1399 feet to the WNW	Closed Status Spill (Misc. Spill Cause)
124	VACANT LOT	BLOCK 1996 LOT 18 NEAR	1552 feet to the WNW	Closed Status Spill (Unk/Other Cause)
59	637 WEST 125TH ST/MANH	637 WEST 125TH STREET	1719 feet to the WNW	Closed Status Tank Test Failure
140	VAULT VS−5606	554 RIVERSIDE DRIVE	1842 feet to the WNW	Closed Status Spill (Unk/Other Cause)
141	VAULT 5606	554 RIVERSIDE DR	1842 feet to the WNW	Closed Status Spill (Unk/Other Cause)
24	LOT # 61	673 WEST 125TH ST	1927 feet to the WNW	Active Haz Spill (Unknown/Other Cause)
157	663 WEST 125TH ST	663 WEST 125TH STREET	1927 feet to the WNW	Closed Status Spill (Unk/Other Cause)
169	MANHOLE #60248	12 AVENUE & ST. CLAIR'S PLACE	2051 feet to the WNW	Closed Status Spill (Unk/Other Cause)
171	20457 SERVICE BOX	12 AVENUE & W 125 STREET	2073 feet to the WNW	Closed Status Spill (Unk/Other Cause)
172	MANHOLE#M47173	W. 125TH / 12TH AVE.	2073 feet to the WNW	Closed Status Spill (Unk/Other Cause)
25	ONE PINT OIL LEAKING FROM CABLE IN	WEST 130 STREET AT 12 AVENUE.	2083 feet to the WNW	Active Haz Spill (Unknown/Other Cause)
174	SERVICE 47174	W 130TH ST /12TH AVE	2083 feet to the WNW	Closed Status Spill (Unk/Other Cause)
181	SPILL NUMBER 9906936	2276 12TH AV	2204 feet to the WNW	Closed Status Spill (Unk/Other Cause)
201	125TH ST. & HUDSON RIVER	125TH ST. / HUDSON RIVER	2352 feet to the WNW	Closed Status Spill (Unk/Other Cause)
202	BELOW GRADE SERVICE BOX	I/S OF WEST 125TH AND W. MARGINAL ST	2352 feet to the WNW	Closed Status Spill (Unk/Other Cause)
203	SERVICE BOX # 51888	WEST 125 STREET & MARGINAL ST	2352 feet to the WNW	Closed Status Spill (Unk/Other Cause)
204	1 QT FUEL OIL IN SERVICE BOX #68518	WEST 125 & MARGINAL STREETS	2352 feet to the WNW	Closed Status Spill (Unk/Other Cause)
347	CONSOLIDATED EDISON	1470 AMSTERDAM AVE	645 feet to the NW	Hazardous Waste Generator/Transporter
348	CONSOLIDATED EDISON	1420 AMSTERDAM AVE	645 feet to the NW	Hazardous Waste Generator/Transporter
349	CON EDISON	FO 1426 AMSTERDAM AVE	645 feet to the NW	Hazardous Waste Generator/Transporter
350	CON EDISON	FO 1430 AMSTERDAM AVE	645 feet to the NW	Hazardous Waste Generator/Transporter
351	CON EDISON	OPP 508 W 133 ST	645 feet to the NW	Hazardous Waste Generator/Transporter
352	CON EDISON	530 W 133 ST	645 feet to the NW	Hazardous Waste Generator/Transporter
353	NYC HOUSING AUTHORITY	555 W 126TH ST	645 feet to the NW	Hazardous Waste Generator/Transporter
104	MOBIL S/S	3260 BROADWAY	1145 feet to the NW	Closed Status Spill (Unk/Other Cause)
14	MANHOLE 62577	BROADWAY NORTH WEST 130 STREET	1152 feet to the NW	Active Haz Spill (Unknown/Other Cause)
106	LOT VACANT @ BROADWAY WEST 130TH	MANHATTAN BLOCK 1996/ LOT 3	1152 feet to the NW	Closed Status Spill (Unk/Other Cause)
248	SOIL	WEST 130TH ST AND BROADWAY	1152 feet to the NW	Closed Status Spill (Misc. Spill Cause)
26	BROADWAY/W. 131ST ST	BROADWAY N/O W. 131ST ST	1210 feet to the NW	Active Haz Spill (Misc. Spill Cause)
15	SIDEWALK	3249 BROADWAY	1303 feet to the NW	Active Haz Spill (Unknown/Other Cause)
119	VERIZON	603 WEST 130TH STREET	1380 feet to the NW	Closed Status Spill (Unk/Other Cause)
2	ASHLAND CHEMICAL CORP	609 WEST 131ST STREET	1488 feet to the NW	RCRA Corrective Action Site
6	ASHLAND CHEMICAL CORP	609 WEST 131ST STREET	1488 feet to the NW	Hazardous Waste Treat, Storage, Disposal
16	COLUMBIA UNIVERSITY	615 WEST 131ST STREET LLC	1634 feet to the NW	Active Haz Spill (Unknown/Other Cause)
17	SKYLINE WINDOWS	625 WEST 130TH ST	1665 feet to the NW	Active Haz Spill (Unknown/Other Cause)
3	CE − W. 132ND ST. STATION	12TH AVE. BETWEEN W.131ST − W. 133RD STS.	1731 feet to the NW	Brownfields Site
18	W132NS ST PURS UNIT R4 (M52S)	630 WEST 132ND STREET	1809 feet to the NW	Active Haz Spill (Unknown/Other Cause)
19	W 132NS ST PURS UNIT R2 (M52N)	WEST 132ND ST	1809 feet to the NW	Active Haz Spill (Unknown/Other Cause)
33	WEST 132ND PURRS PLANT	630 WEST 132ND STREET	1809 feet to the NW	Closed Status Tank Failure
137	W 132ND ST PURS UNIT R3 (M51S)	630 WEST 132ND STREET	1809 feet to the NW	Closed Status Spill (Unk/Other Cause)
138	PURS	WEST 132ND ST	1809 feet to the NW	Closed Status Spill (Unk/Other Cause)
258	132ND ST COOLING PLANT	132ND ST COOLING PLANT	1809 feet to the NW	Closed Status Spill (Misc. Spill Cause)
259	630 WEST 132 ST BRONX	132 ST PURS PLANT	1809 feet to the NW	Closed Status Spill (Misc. Spill Cause)

260	W 132ND ST PURS	630 WEST 132ND STREET	1809 feet to the NW	Closed Status Spill (Misc. Spill Cause)
61	WARREN ELECTRICAL SUPPLY	641 WEST 131ST ST	1851 feet to the NW	Closed Status Tank Test Failure
20	COLUMBIA UNIVERCITY	640 WEST 131ST STREET	1860 feet to the NW	Active Haz Spill (Unknown/Other Cause)
143	AUTO SHOP	640 W. 131ST ST	1860 feet to the NW	Closed Status Spill (Unk/Other Cause)
21	MANHATTANVILLE DEPOT −NYCT	666 WEST 133RD STREET	1879 feet to the NW	Active Haz Spill (Unknown/Other Cause)
22	MANHATTAN DEPOT − VAULT −NYCT	666 WEST 133RD STREET	1879 feet to the NW	Active Haz Spill (Unknown/Other Cause)
62	MANHATTENVILLE BUS DEPOT	666 WEST 132ND ST	1879 feet to the NW	Closed Status Tank Test Failure
63	MANHATTANVILLE DEPOT	666 WEST 133RD STREET	1879 feet to the NW	Closed Status Tank Test Failure
64	NYC TRANSIT AUTH	132E & W 132ND ST	1879 feet to the NW	Closed Status Tank Test Failure
144	MANHATTANVILLE BUS DEPOT	666 WEST 132ND ST	1879 feet to the NW	Closed Status Spill (Unk/Other Cause)
145	MANHATTANVILLE DEPOT	666 WEST 132ND ST	1879 feet to the NW	Closed Status Spill (Unk/Other Cause)
146	MANHATTANVILLE BUS DEPOT	666 WEST 133RD ST	1879 feet to the NW	Closed Status Spill (Unk/Other Cause)
147	MANHATTANVILLE DEPOT	666 WEST 133RD STREET	1879 feet to the NW	Closed Status Spill (Unk/Other Cause)
148	MANHATTANVILLE DEPOT	666 WEST 133RD STREET	1879 feet to the NW	Closed Status Spill (Unk/Other Cause)
149	MANHATTAN TERMINAL	666 WEST 133RD ST	1879 feet to the NW	Closed Status Spill (Unk/Other Cause)
150	MANHATTENVILLE DEPOT	666 WEST 133RD STREET	1879 feet to the NW	Closed Status Spill (Unk/Other Cause)
151	MANHATTANVILLE BUS DEPOT	666 WEST 133RD STREET	1879 feet to the NW	Closed Status Spill (Unk/Other Cause)
152	MANHATTANVILLE DEPOT −NYCT	133RD ST.	1879 feet to the NW	Closed Status Spill (Unk/Other Cause)
153	MANHATTANVILLE BUS DEPOT	666 WEST 133RD STREET	1879 feet to the NW	Closed Status Spill (Unk/Other Cause)
154	MANHATTANVILLE BUS DEPOT	666 WEST 133RD STREET	1879 feet to the NW	Closed Status Spill (Unk/Other Cause)
261	MANHATTENVILLE BUS DEPOT	666 WEST 133RD STREET	1879 feet to the NW	Closed Status Spill (Misc. Spill Cause)
262	MANHATTANVILLE DEPOT	666 WEST 133RD STREET	1879 feet to the NW	Closed Status Spill (Misc. Spill Cause)
359	NYCHA−MANHATTANVILLE	549 WEST 126TH ST.	655 feet to the NNW	Air Discharge Site
13	MANHATTANVILLE HOUSING −NYCHA	1430 AMSTERDAM AVENUE	709 feet to the NNW	Active Haz Spill (Unknown/Other Cause)
43	MANHATTANVILLE	1430 AMSTERDAM AV	709 feet to the NNW	Closed Status Tank Test Failure
44	MANHATTANVILLE	1430 AMSTERDAM AVENUE	709 feet to the NNW	Closed Status Tank Test Failure
45	MANHATTANVILLE HOUSES −NYCHA	1430 AMSTERDAM AVENUE	709 feet to the NNW	Closed Status Tank Test Failure
46	MANHATTANVILLE −NYCHA	1430 AMSTERDAM AVENUE	709 feet to the NNW	Closed Status Tank Test Failure
47	MANHATTANVILLE HOUSES −NYCHA	1430 AMSTERDAM AVENUE	709 feet to the NNW	Closed Status Tank Test Failure
89	1430 AMSTERDAM AVE/MANH	1430 AMSTERDAM AVENUE	709 feet to the NNW	Closed Status Spill (Unk/Other Cause)
90	1430 AMSTERDAM AVE/MANH	1430 AMSTERDAM AVENUE	709 feet to the NNW	Closed Status Spill (Unk/Other Cause)
91	MANHATTANVILLE −NYCHA	1430 AMSTERDAM AVENUE	709 feet to the NNW	Closed Status Spill (Unk/Other Cause)
243	MANHATTANVILLE	1430 AMSTERDAM AVE	709 feet to the NNW	Closed Status Spill (Misc. Spill Cause)
244	MANHATTANVILLE	1430 AMSTERDAM AVE	709 feet to the NNW	Closed Status Spill (Misc. Spill Cause)
245	MANHATTANVILLE	549 WEST 126TH STREET	709 feet to the NNW	Closed Status Spill (Misc. Spill Cause)
107	U−HAUL	3270 BROADWAY	1176 feet to the NNW	Closed Status Spill (Unk/Other Cause)
27	BROADWAY/W. 132ND ST	BROADWAY S/O W. 132ND ST	1320 feet to the NNW	Active Haz Spill (Misc. Spill Cause)
116	FEEDER M52	W.132ND ST/BROADWAY	1320 feet to the NNW	Closed Status Spill (Unk/Other Cause)
117	MANHOLE #61799	BROADWAY & 132ND ST	1320 feet to the NNW	Closed Status Spill (Unk/Other Cause)
251	132ND ST AND BROADWAY	132ND ST AND BROADWAY	1320 feet to the NNW	Closed Status Spill (Misc. Spill Cause)
122	CONED MANHOLE#27844	WEST 133RD/BROADWAY	1466 feet to the NNW	Closed Status Spill (Unk/Other Cause)
66	3333 BROADWAY	3333 BROADWAY	1935 feet to the NNW	Closed Status Tank Test Failure
158	RIVERSIDE PARK COMPLEX	3333 BROADWAY	1935 feet to the NNW	Closed Status Spill (Unk/Other Cause)
159	3333 BROADWAY	3333 BROADWAY	1935 feet to the NNW	Closed Status Spill (Unk/Other Cause)
160	ON STREET	3333 BROADWAY	1935 feet to the NNW	Closed Status Spill (Unk/Other Cause)
40	636 ASSETS INC	636 W 136TH ST	2354 feet to the NNW	Closed Status Tank Failure
207	MANHOLE 57772	12TH AV/NW 135TH ST	2398 feet to the NNW	Closed Status Spill (Unk/Other Cause)
222	136TH ST & RIVERSIDE DR	136TH ST & RIVERSIDE DR	2534 feet to the NNW	Closed Status Spill (Unk/Other Cause)
223	W 136TH ST/RIVERSIDE AVE	W 136TH ST/RIVERSIDE AVE	2534 feet to the NNW	Closed Status Spill (Unk/Other Cause)

Identified Toxic Sites by Category

487 W 129th Street
New York, NY 10027

* Compass directions can vary substantially for sites located very close to the subject property address.

NYSDEC Inactive Haz. Waste Disposal Site Registry −− Total Sites − 1 — **Database searched at 1 MILE − ASTM required search distance: 1 Mile**

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
1	231009	FILM STORAGE WAREHOUSE SITE	203−209 WEST 146TH STREET	4958 feet to the NE

RCRA Corrective Action Sites −− Total Sites − 1 — **Database searched at 1 MILE − ASTM required search distance: 1 Mile**

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
2	NYD068212695	ASHLAND CHEMICAL CORP	609 WEST 131ST STREET	1488 feet to the NW

Brownfields Sites −− Total Sites − 2 — **Database searched at 1/2 MILE − ASTM required search distance: 1/2 Mile**

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
3	V00547	CE − W. 132ND ST. STATION	12TH AVE. BETWEEN W.131ST − W. 133RD STS.	1731 feet to the NW
4	C231067	FORMER SHELL SERVICE STATION AND PARKING GARAGE	225−237 ST. NICHOLAS AVENUE	2542 feet to the S
5	C231067	FORMER SHELL SERVICE STATION AND PARKING GARAGE	225−237 ST. NICHOLAS AVENUE	2598 feet to the S

Hazardous Waste Treatment, Storage, Disposal Facilities −− Total Sites − 2 — **Database searched at 1/2 MILE − ASTM required search distance: 1/2 Mile**

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
6	NYD068212695	ASHLAND CHEMICAL CORP	609 WEST 131ST STREET	1488 feet to the NW
7	NYD981487226	CITY COLLEGE OF NY	160 CONVENT AVENUE	2095 feet to the NNE

Active Tank Test Failures −− Total Sites − 5 — **Database searched at 1/2 MILE − ASTM required search distance: 1/2 Mile**

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
8	1207017	APARTMENT BLDG − TTF	48 CONVENT ST	192 feet to the ESE*
9	9604890	FORMER WOLF−AMOCO STATION / COLUMBIA UNIVERSITY	3225 BROADWAY	1286 feet to the WNW
10	1300996	APT COMPLEX TTF	80 LASALLE ST	1595 feet to the SW
11	1304829	TTF − APARTMENT BLDG	285 ST NICHOLAS AVE	1691 feet to the S
12	1205843	APT BLD 203 − TTF	203 WEST 131ST ST	2312 feet to the ESE

Active Haz Spills (Unknown Causes & Other Causes) −− Total Sites − 13 — **Database searched at 1/2 MILE − ASTM required search distance: 1/2 Mile**

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
13	0006409	MANHATTANVILLE HOUSING −NYCHA	1430 AMSTERDAM AVENUE	709 feet to the NNW
14	1305351	MANHOLE 62577	BROADWAY NORTH WEST 130 STREET	1152 feet to the NW
15	0713473	SIDEWALK	3249 BROADWAY	1303 feet to the NW
16	0506154	COLUMBIA UNIVERSITY	615 WEST 131ST STREET LLC	1634 feet to the NW
17	0304592	SKYLINE WINDOWS	625 WEST 130TH ST	1665 feet to the NW
18	0203037	W132NS ST PURS UNIT R4 (M52S)	630 WEST 132ND STREET	1809 feet to the NW
19	0203032	W 132NS ST PURS UNIT R2 (M52N)	WEST 132ND ST	1809 feet to the NW
20	1203566	COLUMBIA UNIVERCITY	640 WEST 131ST STREET	1860 feet to the NW
21	9506400	MANHATTANVILLE DEPOT −NYCT	666 WEST 133RD STREET	1879 feet to the NW
22	0105323	MANHATTAN DEPOT − VAULT −NYCT	666 WEST 133RD STREET	1879 feet to the NW
23	1306773	APT BLDG	524 W 123RD ST	1895 feet to the SW
24	0807725	LOT # 61	673 WEST 125TH ST	1927 feet to the WNW
25	0701987	ONE PINT OIL LEAKING FROM CABLE IN	WEST 130 STREET AT 12 AVENUE.	2083 feet to the WNW

Active Haz Spills (Miscellaneous Spill Causes) −− Total Sites − 4 — **Database searched at 1/2 MILE − ASTM required search distance: 1/2 Mile**

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
26	8303209	BROADWAY/W. 131ST ST	BROADWAY N/O W. 131ST ST	1210 feet to the NW
27	8102002	BROADWAY/W. 132ND ST	BROADWAY S/O W. 132ND ST	1320 feet to the NNW
28	0300340	DASNY	W.135TH ST & ST NICHOLAS	1569 feet to the NE

29	1310829	RESIDENCE BASEMENT	98 MORNINGSIDE AVENUE	1942 feet to the S

Closed Status Tank Failures −− Total Sites − 12 **Database searched at 1/2 MILE − ASTM required search distance: 1/2 Mile**

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
30	9401941	MT. WILSON PARTNERS APTS.	412 W.129TH STREET	704 feet to the SE
31	8905490	MANHATTANVILLE	W 133RD ST & AMSTERDAM AV	941 feet to the NNE
32	0403911	501 WEST 134TH ST	501 WEST 134TH ST	1277 feet to the NNE
33	9708092	WEST 132ND PURRS PLANT	630 WEST 132ND STREET	1809 feet to the NW
34	0508285	YOUNG RESIDENCE	355 W. 123RD ST.	1864 feet to the S
35	0407291	UNIVERSITY, MARSHAK BUILDING	137TH STREET	1962 feet to the NE
36	8906780	500 WEST 138TH ST/PS 192	500 WEST 138TH STREET	2171 feet to the N
37	9711778	344 WEST 122ND STREET	344 WEST 122ND STREET	2269 feet to the S
38	0550474	28TH PRECINCT NYPD −DDC	2271−89 EIGHTH AVE	2321 feet to the S
39	0609745	COLLEGE BUILDING	106 MORNING SIDE DRIVE	2321 feet to the SSW
40	9813620	636 ASSETS INC	636 W 136TH ST	2354 feet to the NNW
41	9808120	UPTOWN REALITY	222−224/226−228 W.125TH	2541 feet to the SSE

Closed Status Tank Test Failures −− Total Sites − 32 **Database searched at 1/2 MILE − ASTM required search distance: 1/2 Mile**

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
42	9110838	AMSTERDAM DEPOT	1381 AMSTERDAM AVENUE	239 feet to the SW
43	9808324	MANHATTANVILLE	1430 AMSTERDAM AV	709 feet to the NNW
44	9402164	MANHATTANVILLE	1430 AMSTERDAM AVENUE	709 feet to the NNW
45	9305361	MANHATTANVILLE HOUSES −NYCHA	1430 AMSTERDAM AVENUE	709 feet to the NNW
46	9200116	MANHATTANVILLE −NYCHA	1430 AMSTERDAM AVENUE	709 feet to the NNW
47	9004122	MANHATTANVILLE HOUSES −NYCHA	1430 AMSTERDAM AVENUE	709 feet to the NNW
48	0108752	NYC HPD	453 WEST 125TH ST	876 feet to the SSW
49	0210452	APARTMENT BUILDING	8 ST NICHOLAS TERRACE	1088 feet to the SE
50	9415543	GRANT HOUSES −NYCHA	1320 AMSTERDAM AVE	1176 feet to the WSW
51	9415378	GRANT HOUSES −NYCHA	1320 AMSTERDAM AVE	1176 feet to the WSW
52	0200338	AMOCO	3225 BROADWAY	1286 feet to the WNW
53	0108681	NYC HOUSING COMPLEX	504 WEST 135TH ST	1440 feet to the N
54	1009666	TANK TEST FAILURE TTF	440 SAINT NICHOLAS AVE	1492 feet to the E
55	0605890	CITY COLLEGE OF NY	W 135TH STREET &	1494 feet to the NE
56	0106037	HPD	527 W.134TH ST	1543 feet to the N
57	0300855	SPILL NUMBER 0300855	80 LASALLE ST	1595 feet to the SW
58	0300854	80 LASALLE ST	80 LASALLE ST	1595 feet to the SW
59	8905876	637 WEST 125TH ST/MANH	637 WEST 125TH STREET	1719 feet to the WNW
60	0803747	APARTMENT BLDG	1274 AMSTERDAM AVE	1797 feet to the SW
61	0104428	WARREN ELECTRICAL SUPPLY	641 WEST 131ST ST	1851 feet to the NW
62	9900720	MANHATTENVILLE BUS DEPOT	666 WEST 132ND ST	1879 feet to the NW
63	9900159	MANHATTANVILLE DEPOT	666 WEST 133RD STREET	1879 feet to the NW
64	0203324	NYC TRANSIT AUTH	132E & W 132ND ST	1879 feet to the NW
65	0803748	THE DERMOT COMPANY	526 WEST 123RD STREET	1906 feet to the SW
66	0905159	3333 BROADWAY	3333 BROADWAY	1935 feet to the NNW
67	0801308	THE DERMOT COMPANY	503 WEST 122ND STREET	1948 feet to the SW
68	0801313	APRT	505 WEST 122ND	1956 feet to the SW
69	0012287	JEWISH THEOLOGICAL SEMINARY	3080 BROADWAY	2048 feet to the SW
70	0406912	CCNY BUILDING	152−236 CONVENT AVE	2145 feet to the NNE
71	0012735	32ND PERC. NYPD	135TH ST HARLEM	2380 feet to the E
72	9312945	235 ST NICHOLAS AVE	235 ST NICHOLAS AVENUE	2473 feet to the S
73	8900371	SHELL	235 ST NICHOLAS AV	2473 feet to the S

Closed Status Spills (Unknown Causes & Other Causes) −− Total Sites − 154Database searched at 1/2 MILE − ASTM required search distance: 1/2 Mile

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
74	0508241	W 130 ST BETWEEN	CONVENT AV & AMSTERDAM AV	134 feet to the NNE*
75	9404949	AMSTERDAM DEPOT	1381 AMSTERDAM AVENUE	239 feet to the SW
76	0908185	NYCT AMSTERDAM DEPOT	1381 AMSTERDAM AVE	239 feet to the SW
77	0805060	AMSTERDAM DEPOT	1381 AMSTERDAM AVE	239 feet to the SW
78	9905007	IN A PIT	AMSTERDAM AVE & W129TH ST	277 feet to the W
79	9608704	AMSTERDAM AVE/W 129TH ST	AMSTERDAM AVE W 129TH ST	277 feet to the W
80	0909379	ROADWAY	AMSTERDAM AVE BETWEEN 128 AND 129	359 feet to the WSW
81	0710802	SIDEWALK	131ST ST/ CONVENT AVE	419 feet to the NE
82	9315331	128TH ST & AMSTERDAM AVE	128TH ST / AMSTERDAM AVE	458 feet to the WSW
83	9314756	BACK OF 419 WEST 129TH STREET	418−420 WEST 130TH STREET	517 feet to the ESE
84	9400780	CONVENT AVE & 128TH STR	2125 CONVENT AVENUE	623 feet to the SSE
85	9311469	APARTMENT BUILDING	408−410 WEST 130TH ST.	662 feet to the ESE
86	9309874	408 WEST 130TH STREET	408 WEST 130TH STREET	662 feet to the ESE
87	9402093	419 WEST 128TH STREET	419 WEST 128TH STREET	690 feet to the SE
88	9401906	419 W. 128TH STREET	419 W. 128TH STREET	690 feet to the SE
89	9011397	1430 AMSTERDAM AVE/MANH	1430 AMSTERDAM AVENUE	709 feet to the NNW
90	9011333	1430 AMSTERDAM AVE/MANH	1430 AMSTERDAM AVENUE	709 feet to the NNW
91	8906595	MANHATTANVILLE −NYCHA	1430 AMSTERDAM AVENUE	709 feet to the NNW
92	9516780	26 PRECINCT NYPD −DDC	520 WEST 126TH STREET	753 feet to the W
93	0302575	1346 AMSTERDAM	1346 AMSTERDAM AVE	779 feet to the SW
94	0102976	411 W 128TH ST	411 W 128TH ST	803 feet to the SE
95	0002628	SERVICE BOX 20506	465 WEST 125TH ST	825 feet to the SW
96	0002627	SERVICE BOX 55632	FRONT OF 469 W.125TH ST	871 feet to the SW
97	0406199	STREET	AMSTERDAM AV & W 125TH	884 feet to the SW
98	9808604	SPILL NUMBER 9808604	545 WEST 125TH STREET	890 feet to the W
99	0814182	210821; MORNINGSIDE AVE AND 127 ST	MORNINGSIDE AVE AND 127 ST	903 feet to the SSE
100	9600836	133RD ST & CONVENT AV	133RD ST & CONVENT AV	914 feet to the NNE
101	0900882	IN BEDROCK	162 ST. NICHOLAS TERRACE	943 feet to the NE
102	0604053	CITY COLLEGE	141 CONVENT AVE	943 feet to the NE
103	9905882	ENGINE CO. 037/LADD. CO. 40 FDNY −DDC	415 WEST 125TH STREET	1137 feet to the S
104	9205134	MOBIL S/S	3260 BROADWAY	1145 feet to the NW
105	9811696	SPILL NUMBER 9811696	W 126TH ST 11TH AVE	1151 feet to the WNW
106	1101589	LOT VACANT @ BROADWAY WEST 130TH	MANHATTAN BLOCK 1996/ LOT 3	1152 feet to the NW
107	8709144	U−HAUL	3270 BROADWAY	1176 feet to the NNW
108	1214402	MANHOLE 24630	LASALLE ST AND AMSTERDAM AVE	1192 feet to the SW
109	9901071	MANHOLE 57843	125TH ST & BROADWAY	1208 feet to the W
110	1010739	IN DITCH	NE CORNER WEST 125TH ST/ BROADWAY	1208 feet to the W
111	0814325	212761; W 125 ST AND BROADWAY	W 125 ST AND BROADWAY	1208 feet to the W
112	0903767	3233− 3235 BROADWAY	3233− 3235 BROADWAY	1279 feet to the WNW
113	0512334	MANHOLE #61734S	BROADWAY & TIEMAN PLACE	1301 feet to the W
114	0512307	FEEDER M52	TIEMAN PL & BROADWAY	1301 feet to the W
115	0409472	MANHOLE#47018	TIEMANA PLACE/BROADWAY	1301 feet to the W
116	0403102	FEEDER M52	W.132ND ST/BROADWAY	1320 feet to the NNW
117	0105570	MANHOLE #61799	BROADWAY & 132ND ST	1320 feet to the NNW
118	0408101	MERCURY SPILL CITY OWNED SITE	150 CONVENT AVE	1331 feet to the NNE
119	0330031	VERIZON	603 WEST 130TH STREET	1380 feet to the NW
120	0211558	VAULT 3098	603−11 W 129TH ST	1399 feet to the WNW
121	1009303	COMMERCIAL ADDRESS	357 WEST 125TH STREET	1463 feet to the SSE
122	0405111	CONED MANHOLE#27844	WEST 133RD/BROADWAY	1466 feet to the NNW
123	1310298	COMMERCIAL/APARTMENT	3155 BROADWAY	1534 feet to the W

124	1102949	VACANT LOT	BLOCK 1996 LOT 18 NEAR	1552 feet to the WNW
125	0914269	217193; 8 AVE AND 130 ST	8 AVE AND 130 ST	1560 feet to the ESE
126	0890377	210142; 8 AV 2445 & FRED DOUGLASS B	8 AV 2445 & FRED DOUGLASS B	1579 feet to the ESE
127	9514262	NEW YORK CITY BOARD OF ED	425 WEST 123RD STREET	1607 feet to the SSW
128	0003342	PS 125	WEST 123RD ST	1607 feet to the SSW
129	0209121	125ST	ST NICHOLAS AVE	1621 feet to the SSE
130	9710119	BROADWAY	LASALLE AV	1642 feet to the WSW
131	0010293	FEEDER M52	BROADWAY & LA SALLE AVE	1642 feet to the WSW
132	0000688	MANHOLE #28707	LASALLE ST & BROADWAY	1642 feet to the WSW
133	9811358	MANHOLE IN FRONT OF	433 WEST 123RD ST	1741 feet to the SSW
134	0612457	APART	480 ST NICHOLOS AVE	1746 feet to the E
135	0914228	216910; ST. NICHOLAS AVE & HANCOCK PL	ST. NICHOLAS AVE & HANCOCK PL	1769 feet to the S
136	1206939	APT BUILDING	518 WEST 136 ST	1795 feet to the N
137	0203041	W 132ND ST PURS UNIT R3 (M51S)	630 WEST 132ND STREET	1809 feet to the NW
138	0203039	PURS	WEST 132ND ST	1809 feet to the NW
139	0901843	TRANS FORMER MANHOLE 1888	ST NICHOLOS AVE WEST 124TH	1835 feet to the S
140	1002786	VAULT VS−5606	554 RIVERSIDE DRIVE	1842 feet to the WNW
141	0212015	VAULT 5606	554 RIVERSIDE DR	1842 feet to the WNW
142	9614617	SOUTHWEST CORNER	135TH ST & BROADWAY	1850 feet to the N
143	0707311	AUTO SHOP	640 W. 131ST ST	1860 feet to the NW
144	9910510	MANHATTANVILLE BUS DEPOT	666 WEST 132ND ST	1879 feet to the NW
145	9900473	MANHATTANVILLE DEPOT	666 WEST 132ND ST	1879 feet to the NW
146	9604882	MANHATTANVILLE BUS DEPOT	666 WEST 133RD ST	1879 feet to the NW
147	9600202	MANHATTANVILLE DEPOT	666 WEST 133RD STREET	1879 feet to the NW
148	9511248	MANHATTANVILLE DEPOT	666 WEST 133RD STREET	1879 feet to the NW
149	1400101	MANHATTAN TERMINAL	666 WEST 133RD ST	1879 feet to the NW
150	0601281	MANHATTENVILLE DEPOT	666 WEST 133RD STREET	1879 feet to the NW
151	0409747	MANHATTANVILLE BUS DEPOT	666 WEST 133RD STREET	1879 feet to the NW
152	0405766	MANHATTANVILLE DEPOT −NYCT	133RD ST.	1879 feet to the NW
153	0313077	MANHATTANVILLE BUS DEPOT	666 WEST 133RD STREET	1879 feet to the NW
154	0210921	MANHATTANVILLE BUS DEPOT	666 WEST 133RD STREET	1879 feet to the NW
155	9212040	269 W 133RD STREET	269 W. 133RD STREET	1903 feet to the E
156	0011789	BROADWAY SOUTH	122ND ST/LASALLE ST	1905 feet to the WSW
157	9403502	663 WEST 125TH ST	663 WEST 125TH STREET	1927 feet to the WNW
158	9611829	RIVERSIDE PARK COMPLEX	3333 BROADWAY	1935 feet to the NNW
159	9511604	3333 BROADWAY	3333 BROADWAY	1935 feet to the NNW
160	0513563	ON STREET	3333 BROADWAY	1935 feet to the NNW
161	1310999	EQUITY MANGEMENT	98 MORNINGSIDE AVE	1942 feet to the S
162	1206053	APT BUILDING	98 MORNINGSIDE AVE	1942 feet to the S
163	0603999	WATTS	98 MORINGING SIDE AVE	1942 feet to the S
164	0101178	SPILL NUMBER 0101178	8TH AVE & W 125TH ST	1952 feet to the SSE
165	9610522	515 W 122ND ST	515 W 122ND ST	1990 feet to the SW
166	9409466	UNK	215 W.127TH ST.	1995 feet to the SE
167	0707079	WEST 126TH STREET	MORNINGSIDE AVE/ AMSTERDA	2007 feet to the SW
168	0513884	MANHOLE #58711	WEST 123 ST & MANHATTAN AVE	2046 feet to the S
169	0611137	MANHOLE #60248	12 AVENUE & ST. CLAIR'S PLACE	2051 feet to the WNW
170	0011576	EXCAVATION	BROADWAY/123RD ST	2054 feet to the WSW
171	0713803	20457 SERVICE BOX	12 AVENUE & W 125 STREET	2073 feet to the WNW
172	0611095	MANHOLE#M47173	W. 125TH / 12TH AVE.	2073 feet to the WNW
173	9900174	MANHOLE 3140	WEST 136TH ST & BROADWAY	2077 feet to the N
174	0008215	SERVICE 47174	W 130TH ST /12TH AVE	2083 feet to the WNW
175	0712524	COLUMBIA UNIVERSITY	500 WEST 122ND STREET	2091 feet to the SW
176	9710405	FORMER GAS STATION	FREDERICK DOUGLASS BLVD	2137 feet to the SSE

177	9911952	SPILL NUMBER 9911952	540 MANHATTAN AV	2156 feet to the S
178	9902506	APT BUILDING	540 MANHATTAN AVE	2156 feet to the S
179	9810574	PS #192	500 WEST 138TH ST	2171 feet to the N
180	9515727	PUBLIC SCHOOL 24	500 WEST 138TH ST	2171 feet to the N
181	9906936	SPILL NUMBER 9906936	2276 12TH AV	2204 feet to the WNW
182	9602034	509 WEST 121ST ST	509 WEST 121ST ST	2236 feet to the SW
183	8605811	222 W.134 ST. MANHATTAN/#	222 W. 134 ST.	2238 feet to the E
184	0811732	222 WEST 134TH ST − P.S. 92	222 WEST 134TH ST	2238 feet to the E
185	9901013	MANHOLE #24608	W 121ST & AMSTERDAM AV	2264 feet to the SW
186	0302137	MAN HOLE #24608	W 121ST ST & AMSTERDAM AV	2264 feet to the SW
187	0807473	CONSTRUCTION SITE	2300 FREDERICK DOUGLAS BLVD	2269 feet to the SSE
188	9912152	138TH ST & AMSTERDAM AVE	138TH ST & AMSTERDAM AVE	2269 feet to the NNE
189	0410402	OPEN TRENCH	W 122 ST/MANHATTAN AVE	2270 feet to the S
190	1110885	APARTMENT BUILDING	260 WEST 135TH ST	2286 feet to the E
191	0605727	CHURCH	219 WEST 132ND STREET	2290 feet to the E
192	9611063	SPILL IS IN REGION 2	NOT IN REG 3	2296 feet to the N
193	8800418	137TH ST & BROADWAY/CONED	137TH ST AND BROADWAY	2296 feet to the N
194	8701857	137TH STREET AND BROADWAY	7TH AVENUE STOP / SUBWAY	2296 feet to the N
195	1307651	LEAK WATCH− YONKERS TO MANHATTAN	BROADWAY AND W. 137 ST.	2296 feet to the N
196	0903963	MANHOLE	BROADWAY & WEST 137TH ST	2296 feet to the N
197	0712584	M52 FEEDER LEAK WITHIN MANHOLE	137 STREET & BROADWAY	2296 feet to the N
198	0709896	FEEDER M52 LEAKED INTO MH 62566	WEST 137 STREET & BROADWAY	2296 feet to the N
199	9805378	OPEN EXCAVATION	203 WEST 131ST ST	2312 feet to the ESE
200	0814314	212678; 502 W 121 ST	502 W 121 ST	2313 feet to the SW
201	9214231	125TH ST. & HUDSON RIVER	125TH ST. / HUDSON RIVER	2352 feet to the WNW
202	1109146	BELOW GRADE SERVICE BOX	I/S OF WEST 125TH AND W. MARGINAL ST	2352 feet to the WNW
203	0610629	SERVICE BOX # 51888	WEST 125 STREET & MARGINAL ST	2352 feet to the WNW
204	0610626	1 QT FUEL OIL IN SERVICE BOX #68518	WEST 125 & MARGINAL STREETS	2352 feet to the WNW
205	0900831	APT BLD	270 WEST 136TH STREET	2364 feet to the ENE
206	9605198	32 PRECINCT NYPD −DDC	250 WEST 135TH STREET	2380 feet to the E
207	0209867	MANHOLE 57772	12TH AV/NW 135TH ST	2398 feet to the NNW
208	9900357	JUAN MARRERO	2248 7TH AVENUE	2445 feet to the E
209	9312851	302 WEST 122TH ST.	302 WEST 122TH ST.	2447 feet to the S
210	0705711	XFMR IN VAULT TM 3229 HAS BOTTOM LEAK	WEST 129 STREET & 7 AVENUE	2455 feet to the ESE
211	9600641	CARIB AUTO SHOP	1590 AMSTERDAM AVE	2472 feet to the NNE
212	0410318	IN FRONT OF	1592 AMSTERDAM AVE.	2472 feet to the NNE
213	1001594	FORMER SHELL GAS STATION	235 ST NICHOLAS AVE	2473 feet to the S
214	0702470	SHELL GAS STATION	235 ST NICHOLAS AVE	2473 feet to the S
215	0411345	SHELL SERVICE #13876	235 ST NICHOLAS AVE	2473 feet to the S
216	0503050	TM #1893	WEST 131ST STREET AND 7TH	2483 feet to the ESE
217	9908670	MANHOLE 44896	W 128TH ST & 7TH AV	2483 feet to the SE
218	0613689	COLUMBIA COLLEGE DORM	531 WEST 120TH STREET	2484 feet to the SW
219	0510728	APT BLDG	35 HAMILTON PLACE	2509 feet to the N
220	9614561	207 CONVENT AVE	207 CONVENT AVE	2522 feet to the NE
221	0814315	212680; W 121 ST AND BROADWAY	W 121 ST AND BROADWAY	2526 feet to the SW
222	9610009	136TH ST & RIVERSIDE DR	136TH ST & RIVERSIDE DR	2534 feet to the NNW
223	9610007	W 136TH ST/RIVERSIDE AVE	W 136TH ST/RIVERSIDE AVE	2534 feet to the NNW
224	9912736	SPILL NUMBER 9912736	224 W 135TH ST	2561 feet to the E
225	0011463	GRANTS TOMB	GRANTS TOMB	2576 feet to the WSW
226	9405172	UNK	232 W. 136TH ST.	2607 feet to the E
227	0010878	MANHOLE #44873	W 126TH ST & 7TH AV	2615 feet to the SE

Closed Status Spills (Miscellaneous Spill Causes) −− Total Sites − 43

Database searched at 1/2 MILE − ASTM required search distance: 1/2 Mile

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
228	9907728	AMSTERDAM BUS DEPOT	1381 AMSTERDAM AV	239 feet to the SW
229	9905017	AMSTERDAM BUS DEPOT − NYCT	1381 AMSTERDAM AVENUE	239 feet to the SW
230	9904206	AMSTERDAM BUS DEPOT − NYCT	1381 AMSTERDAM AVENUE	239 feet to the SW
231	9903475	AMSTERDAM BUS DEPOT − NYCT	1381 AMSTERDAM AVENUE	239 feet to the SW
232	9814087	AMSTERDAM BUS DEPOT	1381 AMSTERDAM AVE	239 feet to the SW
233	0110865	AMSTERDAM DEPOT	1381 AMSTERDAM AV	239 feet to the SW
234	0305249	SPILL NUMBER 0305249	AMSTERDAM AV/129TH ST	277 feet to the W
235	9913598	MANHOLE #24661	130TH ST & AMSTERDAM AVE	282 feet to the NNW
236	9906065	462 WEST 129TH STREET	462 WEST 129TH STREET	348 feet to the SSE
237	0600235	34 CONVENT AVE	34 CONVENT AVE	377 feet to the SSE
238	9400456	WEST 128TH ST BET AMSTERD	WEST 128TH ST BET AMSTERD	416 feet to the S
239	9907713	128TH ST AT	AMPSTERDAM AVE/AT DEAD ED	458 feet to the WSW
240	9903597	AMSTERDAM AVE & 128TH ST	AMSTERDAM AVE & 128TH ST	458 feet to the WSW
241	0902648	APT BLDG	1437 AMSTERDAM AVE	468 feet to the N
242	0000259	VACANT LOT	128TH ST & CONVENT AVE	629 feet to the SSE
243	9508390	MANHATTANVILLE	1430 AMSTERDAM AVE	709 feet to the NNW
244	9211290	MANHATTANVILLE	1430 AMSTERDAM AVE	709 feet to the NNW
245	9011363	MANHATTANVILLE	549 WEST 126TH STREET	709 feet to the NNW
246	9311142	1345 AMSTERDAM AVE.	1345 AMSTERDAM AVENUE	737 feet to the SW
247	0012680	PS 161	499 W 133RD ST	1073 feet to the NNE
248	1310686	SOIL	WEST 130TH ST AND BROADWAY	1152 feet to the NW
249	9613328	FEEDER M51/52	BROADWAY/TIEMANN ST	1301 feet to the W
250	0710894	FEEDER M51	BROADWAY NEAR TIEMANN PLACE	1301 feet to the W
251	9209349	132ND ST AND BROADWAY	132ND ST AND BROADWAY	1320 feet to the NNW
252	0607482	ADJACENT TO VAULT #9034	2437 8TH AVE	1387 feet to the ESE
253	0607480	VAULT 9034	2437 8TH AVE	1387 feet to the ESE
254	1203627	CONSTRUCTION SITE	603 WEST 129TH STREET	1399 feet to the WNW
255	1112416	CONSTRUCTION SITE	605 WEST 129TH ST	1399 feet to the WNW
256	0009511	SPILL NUMBER 0009511	301 ST NICHOLAS AVE	1463 feet to the SSE
257	0513636	IN ROADWAY	80 LASALLE STREET	1595 feet to the SW
258	8912498	132ND ST COOLING PLANT	132ND ST COOLING PLANT	1809 feet to the NW
259	0908202	630 WEST 132 ST BRONX	132 ST PURS PLANT	1809 feet to the NW
260	0409055	W 132ND ST PURS	630 WEST 132ND STREET	1809 feet to the NW
261	9806198	MANHATTENVILLE BUS DEPOT	666 WEST 133RD STREET	1879 feet to the NW
262	0310991	MANHATTANVILLE DEPOT	666 WEST 133RD STREET	1879 feet to the NW
263	9815046	FEEDER M52	BROADWAY / 123RD ST	2054 feet to the WSW
264	8102007	BROADWAY/W. 136TH ST.	BROADWAY/W. 136TH ST	2077 feet to the N
265	0911001	PVT DWELLING	224 WEST 132ND ST	2219 feet to the ESE
266	9910909	SPILL NUMBER 9910909	527 1/2 MANHATTAN AVE	2262 feet to the S
267	9108722	121ST & AMSTERDAM AVE	121ST ST & AMSTERDAM AVE	2264 feet to the SW
268	0409134	MANHOLE # 44896	SE CORNER OF W 128TH/7TH	2483 feet to the SE
269	9605429	238 WEST 136TH ST	238 WEST 136TH ST	2568 feet to the ENE
270	8800323	91 CLERMONT AVE/RIVERSIDE	91 CLERMONT AVE	2616 feet to the WSW

Petroleum Bulk Storage Sites −− Total Sites − 28

Database searched at 1/8 MILE − ASTM required search distance: Property & Adjacent

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
271	2−610375	1405 AMSTERDAM AVENUE	1405 AMSTERDAM AVENUE	154 feet to the WNW*
272	2−601019	48 CONVENT AVE.	48 CONVENT AVE.	198 feet to the ESE*
273	2−190403	AMSTERDAM BUS DEPOT	1381 AMSTERDAM AVENUE	220 feet to the SSW
274	NY09386	ST PHILIPS ON CONVENT	450 W 131 ST	293 feet to the NE

275	2−606609	CONVENT AVENUE FAMILY LIVING CENTER	456 WEST 129TH STREET	332 feet to the SSE
276	2−344729	VERIZON NEW YORK INC−NY−15501	460 WEST 129TH STREET	352 feet to the SSE
277	NY02873	CONVENT AVE FAMILY	34 CONVENT AVE	380 feet to the SSE
278	2−469939	THE ST. AGNES HOUSING DEVELOPMENT FUND	41 CONVENT AVENUE	396 feet to the ESE
279	2−063193	1437 AMSTERDAM AVE REALTY INC	405 WEST 131TH STREET	430 feet to the NE
280	2−611175	MORNINGSIDE REALTY ASSOC.	1437 AMSTERDAM AVE	469 feet to the N
281	NY01942	BENJAMIN THURSTON	465 W 131 ST	469 feet to the N
282	2−606230	PUBLIC SCHOOL 223−MOTT HALL (M223)	131ST STREET &	481 feet to the NE
283	NY06903	MOTT HALL SCHOOL,IS 223	75 CONVENT AVE	481 feet to the NE
284	2−606799	1439 AMSTERDAM AVENUE	1439 AMSTERDAM AVENUE	492 feet to the N
285	2−081094	AUNNUNCIATION CHURCH	88 CONVENT AVE	505 feet to the NNE
286	NY02623	CHURCH ANNUNCIATION	461 W 131 ST	505 feet to the NNE
287	2−607635	JUNIOR HIGH SCHOOL 43 − MANHATTAN	509 WEST 129TH STREET	512 feet to the WNW
288	2−608985	33 CONVENT AVENUE HDFC	29−33 CONVENT AVENUE	527 feet to the SE
289	2−602928	129 STREET REALTY CORP.	419 WEST 129TH STREET	528 feet to the ESE
290	2−161470	418 WEST 130TH LLC	418 WEST 130TH STREET	532 feet to the ESE
291	2−353442	PUBLIC SCHOOL 129 − MANHATTAN	425 WEST 130TH STREET	556 feet to the E
292	2−606794	418 WEST 129 STREET	418−420 WEST 129TH STREET	594 feet to the SE
293	2−601451	CITY COLLEGE OF NEW YORK	91 CONVENT AVE (PK GYM)	596 feet to the NE
294	2−282707	CONVENT REALTY LLC	90 CONVENT AVENUE	597 feet to the NNE
295	2−605685	21−25 CONVENT AVENUE REALTY LLC	21 CONVENT AVENUE	639 feet to the SSE
296	NY02715	CLASSIC REALTY&MGMT CORP	21 CONVENT AVE	639 feet to the SSE
297	2−275042	416 HDFC	416 W 129 ST	649 feet to the SE
298	NY01269	AFRO AMERICAN STUDIO	415 W 127 ST	649 feet to the S

Hazardous Waste Generators, Transporters −− Total Sites − 56 **Database searched at 1/8 MILE − ASTM required search distance: Property & Adjacent**

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
299	NYR000206698	L S C DEVELOPMENT LLC	40 CONVENT AVE	123 feet to the SE*
300	NYP004178158	CONSOLIDATED EDISON	S/S 129 (WEST) 200' E. OF AMSTERDAM AVE	131 feet to the SW*
301	NYP004322855	CON EDISON	SS W 130TH ST 207' EO AMSTERDAM	137 feet to the NNE*
302	NYP004178141	CONSOLIDATED EDISON	1413 AMSTERDAM AVE & 130 ST	148 feet to the NW*
303	NYP004178356	CONSOLIDATED EDISON	48 CONVERT AVE	200 feet to the ESE
304	NYP004350138	CON EDISON	F/O 1413 AMSTERDAM AVE	226 feet to the NW
305	NYP000942136	BELL ATLANTIC − NY	129TH ST & AMSTERDAM (MANHOLE)	277 feet to the W
306	NYP004293866	CON EDISON	N/W/C W 129 ST & AMSTERDAM AVE	277 feet to the W
307	NYR000076745	NYC PARKS & RECREATION	129TH ST & AMSTERDAM AVE	277 feet to the W
308	NYP004070470	CONSOLIDATED EDISON	MH24661−130TH & AMSTERDAM	282 feet to the NNW
309	NYP004164562	CON EDISON	W 130TH ST & AMSTERDAM AVE	282 feet to the NNW
310	NYP004350617	CON EDISON	SW AMSTERDAM AVE & 130TH ST	282 feet to the NNW
311	NYP004353314	CON EDISON	NEC W 130 ST & AMSTERDAM AVE	282 feet to the NNW
312	NYP004344081	CON EDISON	SWC W 130 & CONVENT AVE	284 feet to the E
313	NYP004351268	CON EDISON	SE CONVENT AVE 7 130TH ST	284 feet to the E
314	NYP004351276	CON EDISON	W 130TH ST 55 FT EO CONVENT AVE	284 feet to the E
315	NYP004403820	CON EDISON	W 130TH ST & CONVENT AVE	284 feet to the E
316	NYR981487226	NYC CITY COLLEGE	COVENANT AVE & 130TH ST	284 feet to the E
317	NYD980642342	NYCTA	1381 AMSTERDAM AVE	285 feet to the SSW
318	NYP004350708	CON EDISON	FO 70 CONVENT AVE	323 feet to the ENE
319	NYP000929364	NYNEX	129TH STREET AND CONVERT	383 feet to the SE
320	NYP004245882	CONED	CONVENT AVE	383 feet to the SE
321	NYP004350062	CON EDISON	S/E/C W. 129TH ST & CONVENT AVE	383 feet to the SE
322	NYP004350716	CON EDISON	FO 1429 AMSTERDAM AVE	416 feet to the N
323	NYP000914028	NYNEX	AMSTERDAM AVE & 128TH ST	458 feet to the WSW
324	NYP004178190	CONED	W128TH ST & AMSTERDAM AVE	458 feet to the WSW

325	NYP004146734	CON EDISON MANHOLE 9240	538 W 128 ST	459 feet to the SW
326	NYP004178562	CON EDISON	SE COR W 131ST ST & AMSTERDAM	467 feet to the N
327	NYP004256756	CONSOLIDATED EDISON OF NY	N/W/C 131ST ST AMSTERDAM AVE	467 feet to the N
328	NYP004260659	CON EDISON	N OF 131ST & AMSTERDAM AVE	467 feet to the N
329	NYP004279659	CON EDISON	NW COR W 131 ST & AMSTERDAM AVE	467 feet to the N
330	NYP004165916	CONSOLIDATED EDISON	88 CONVENT AVE	472 feet to the NNE
331	NYP004166815	CONSOLIDATED EDISON	473 W 126TH ST	476 feet to the SW
332	NYR000073486	NYC BOARD OF EDUCATION	JHS 43 M − 509 W 129TH ST	499 feet to the WNW
333	NYP004349767	CON EDISON	419 W 129TH ST	539 feet to the SE
334	NYP004349502	CON EDISON	F/O 449W 128TH ST	542 feet to the SSE
335	NYR000009530	NYC BOARD OF EDUCATION − PS 129	425 W 130TH STREET	545 feet to the E
336	NYP004349494	CON EDISON	F/O 22 CONVENT AVE	545 feet to the SSE
337	NYP004428314	CON EDISON	F/O 22 CONVENT AVE	545 feet to the SSE
338	NYP004350732	CON EDISON	FO 1441 AMSTERDAM AVE	564 feet to the N
339	NYR000041939	BETANCOURT PROPERTY	458 WEST 128TH ST	574 feet to the S
340	NYD004048880	CONSOLIDATED EDISON	VS5942−AMERSTAM ST & 126TH ST	583 feet to the SW
341	NYP004048880	CONSOLIDATED EDISON	VS5942 − AMERSTAM & 126TH	583 feet to the SW
342	NYR000005074	CCNY − PARK GYMNASIUM	77 CONVENT AVE	610 feet to the NE
343	NYP004189072	CON EDISON	W 128TH ST & CONVENT AVE	629 feet to the SSE
344	NYP004350104	CON EDISON	N/E/C CONVENT AVE & W. 128TH ST	629 feet to the SSE
345	NYP004350609	CON EDISON	NWC W 128 ST & CONVENT AVE	629 feet to the SSE
346	NYP004165866	CONSOLIDATED EDISON	96 CONVENT AVE	641 feet to the NNE
347	NYP004178604	CONSOLIDATED EDISON	1470 AMSTERDAM AVE	645 feet to the NW
348	NYP004253720	CONSOLIDATED EDISON	1420 AMSTERDAM AVE	645 feet to the NW
349	NYP004350690	CON EDISON	FO 1426 AMSTERDAM AVE	645 feet to the NW
350	NYP004350724	CON EDISON	FO 1430 AMSTERDAM AVE	645 feet to the NW
351	NYP004351920	CON EDISON	OPP 508 W 133 ST	645 feet to the NW
352	NYP004417184	CON EDISON	530 W 133 ST	645 feet to the NW
353	NYR000053074	NYC HOUSING AUTHORITY	555 W 126TH ST	645 feet to the NW
354	NYP004349742	CON EDISON	N/E/C W 126 ST AND W 127 ST	649 feet to the SSW

Chemical Bulk Storage Facilities −− Total Sites − 2 — **Database searched at 1/8 MILE − ASTM required search distance: Property & Adjacent**

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
355	2−000288	AMSTERDAM BUS DEPOT	1381 AMSTERDAM AVENUE	229 feet to the SW
356	2−000146	SHELTERING ARMS	126−129 OLD BROADWAY & AMSTERDAM AVE.	472 feet to the WSW

Toxic Release Inventory Sites −− Total Sites − 1 — **Database searched at 1/8 MILE − Non−ASTM Database**

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
357	10027MSTRD1381A	AMSTERDAM BUS DEPOT	1381 AMSTERDAM AVE.	256 feet to the SSW

Air Discharge Sites −− Total Sites − 2 — **Database searched at 1/8 MILE − Non−ASTM Database**

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
358	36061HA0PX	NYCTA − AMSTERDAM BUS DEPOT	1381 AMSTERDAM AVENUE	241 feet to the SSW
359	3606100066	NYCHA−MANHATTANVILLE	549 WEST 126TH ST.	655 feet to the NNW

NYC Env. Quality Review − Env. Designation Sites −− Total Sites − 3 — **Database searched at 250 FT − ASTM required search distance: Onsite Only**

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
360	E−239	BLOCK: 1969 LOT: 12	38 CONVENT AVENUE	105 feet to the SE*
361	E−239	BLOCK: 1969 LOT: 68	CONVENT AVENUE	143 feet to the E*
362	E−284	BLOCK: 1970 LOT: 9	489 WEST 130 STREET	215 feet to the NNE

Identified Toxic Sites by Proximity

487 W 129th Street, New York, NY 10027

* Compass directions can vary substantially for sites located very close to the subject property address.

Map Id#	Site Name	Site Street	Approximate Distance & Direction From Property	Toxic Site Category
360	BLOCK: 1969 LOT: 12	38 CONVENT AVENUE	105 feet to the SE*	NYC Env. Qual. Review−"E" Designation
299	L S C DEVELOPMENT LLC	40 CONVENT AVE	123 feet to the SE*	Hazardous Waste Generator/Transporter
300	CONSOLIDATED EDISON	S/S 129 (WEST) 200‘ E. OF AMSTERDAM AVE	131 feet to the SW*	Hazardous Waste Generator/Transporter
74	W 130 ST BETWEEN	CONVENT AV & AMSTERDAM AV	134 feet to the NNE*	Closed Status Spill (Unk/Other Cause)
301	CON EDISON	SS W 130TH ST 207‘ EO AMSTERDAM	137 feet to the NNE*	Hazardous Waste Generator/Transporter
361	BLOCK: 1969 LOT: 68	CONVENT AVENUE	143 feet to the E*	NYC Env. Qual. Review−"E" Designation
302	CONSOLIDATED EDISON	1413 AMSTERDAM AVE & 130 ST	148 feet to the NW*	Hazardous Waste Generator/Transporter
271	1405 AMSTERDAM AVENUE	1405 AMSTERDAM AVENUE	154 feet to the WNW*	Petroleum Bulk Storage Site
8	APARTMENT BLDG − TTF	48 CONVENT ST	192 feet to the ESE*	Active Tank Test Failure
272	48 CONVENT AVE.	48 CONVENT AVE.	198 feet to the ESE*	Petroleum Bulk Storage Site
303	CONSOLIDATED EDISON	48 CONVERT AVE	200 feet to the ESE	Hazardous Waste Generator/Transporter
362	BLOCK: 1970 LOT: 9	489 WEST 130 STREET	215 feet to the NNE	NYC Env. Qual. Review−"E" Designation
273	AMSTERDAM BUS DEPOT	1381 AMSTERDAM AVENUE	220 feet to the SSW	Petroleum Bulk Storage Site
304	CON EDISON	F/O 1413 AMSTERDAM AVE	226 feet to the NW	Hazardous Waste Generator/Transporter
355	AMSTERDAM BUS DEPOT	1381 AMSTERDAM AVENUE	229 feet to the SW	Chemical Bulk Storage Facility
42	AMSTERDAM DEPOT	1381 AMSTERDAM AVENUE	239 feet to the SW	Closed Status Tank Test Failure
75	AMSTERDAM DEPOT	1381 AMSTERDAM AVENUE	239 feet to the SW	Closed Status Spill (Unk/Other Cause)
76	NYCT AMSTERDAM DEPOT	1381 AMSTERDAM AVE	239 feet to the SW	Closed Status Spill (Unk/Other Cause)
77	AMSTERDAM DEPOT	1381 AMSTERDAM AVE	239 feet to the SW	Closed Status Spill (Unk/Other Cause)
228	AMSTERDAM BUS DEPOT	1381 AMSTERDAM AV	239 feet to the SW	Closed Status Spill (Misc. Spill Cause)
229	AMSTERDAM BUS DEPOT − NYCT	1381 AMSTERDAM AVENUE	239 feet to the SW	Closed Status Spill (Misc. Spill Cause)
230	AMSTERDAM BUS DEPOT − NYCT	1381 AMSTERDAM AVENUE	239 feet to the SW	Closed Status Spill (Misc. Spill Cause)
231	AMSTERDAM BUS DEPOT − NYCT	1381 AMSTERDAM AVENUE	239 feet to the SW	Closed Status Spill (Misc. Spill Cause)
232	AMSTERDAM BUS DEPOT	1381 AMSTERDAM AVE	239 feet to the SW	Closed Status Spill (Misc. Spill Cause)
233	AMSTERDAM DEPOT	1381 AMSTERDAM AV	239 feet to the SW	Closed Status Spill (Misc. Spill Cause)
358	NYCTA − AMSTERDAM BUS DEPOT	1381 AMSTERDAM AVENUE	241 feet to the SSW	Air Discharge Site
357	AMSTERDAM BUS DEPOT	1381 AMSTERDAM AVE.	256 feet to the SSW	Toxic Release Inventory Site
78	IN A PIT	AMSTERDAM AVE & W129TH ST	277 feet to the W	Closed Status Spill (Unk/Other Cause)
79	AMSTERDAM AVE/W 129TH ST	AMSTERDAM AVE W 129TH ST	277 feet to the W	Closed Status Spill (Unk/Other Cause)
234	SPILL NUMBER 0305249	AMSTERDAM AV/129TH ST	277 feet to the W	Closed Status Spill (Misc. Spill Cause)
305	BELL ATLANTIC − NY	129TH ST & AMSTERDAM (MANHOLE)	277 feet to the W	Hazardous Waste Generator/Transporter
306	CON EDISON	N/W/C W 129 ST & AMSTERDAM AVE	277 feet to the W	Hazardous Waste Generator/Transporter
307	NYC PARKS & RECREATION	129TH ST & AMSTERDAM AVE	277 feet to the W	Hazardous Waste Generator/Transporter
235	MANHOLE #24661	130TH ST & AMSTERDAM AVE	282 feet to the NNW	Closed Status Spill (Misc. Spill Cause)
308	CONSOLIDATED EDISON	MH24661−130TH & AMSTERDAM	282 feet to the NNW	Hazardous Waste Generator/Transporter
309	CON EDISON	W 130TH ST & AMSTERDAM AVE	282 feet to the NNW	Hazardous Waste Generator/Transporter
310	CON EDISON	SW AMSTERDAM AVE & 130TH ST	282 feet to the NNW	Hazardous Waste Generator/Transporter
311	CON EDISON	NEC W 130 ST & AMSTERDAM AVE	282 feet to the NNW	Hazardous Waste Generator/Transporter
312	CON EDISON	SWC W 130 & CONVENT AVE	284 feet to the E	Hazardous Waste Generator/Transporter
313	CON EDISON	SE CONVENT AVE 7 130TH ST	284 feet to the E	Hazardous Waste Generator/Transporter
314	CON EDISON	W 130TH ST 55 FT EO CONVENT AVE	284 feet to the E	Hazardous Waste Generator/Transporter
315	CON EDISON	W 130TH ST & CONVENT AVE	284 feet to the E	Hazardous Waste Generator/Transporter
316	NYC CITY COLLEGE	COVENANT AVE & 130TH ST	284 feet to the E	Hazardous Waste Generator/Transporter
317	NYCTA	1381 AMSTERDAM AVE	285 feet to the SSW	Hazardous Waste Generator/Transporter
274	ST PHILIPS ON CONVENT	450 W 131 ST	293 feet to the NE	Petroleum Bulk Storage Site

318	CON EDISON	FO 70 CONVENT AVE	323 feet to the ENE	Hazardous Waste Generator/Transporter
275	CONVENT AVENUE FAMILY LIVING CENTER	456 WEST 129TH STREET	332 feet to the SSE	Petroleum Bulk Storage Site
236	462 WEST 129TH STREET	462 WEST 129TH STREET	348 feet to the SSE	Closed Status Spill (Misc. Spill Cause)
276	VERIZON NEW YORK INC−NY−15501	460 WEST 129TH STREET	352 feet to the SSE	Petroleum Bulk Storage Site
80	ROADWAY	AMSTERDAM AVE BETWEEN 128 AND 129	359 feet to the WSW	Closed Status Spill (Unk/Other Cause)
237	34 CONVENT AVE	34 CONVENT AVE	377 feet to the SSE	Closed Status Spill (Misc. Spill Cause)
277	CONVENT AVE FAMILY	34 CONVENT AVE	380 feet to the SSE	Petroleum Bulk Storage Site
319	NYNEX	129TH STREET AND CONVERT	383 feet to the SE	Hazardous Waste Generator/Transporter
320	CONED	CONVENT AVE	383 feet to the SE	Hazardous Waste Generator/Transporter
321	CON EDISON	S/E/C W. 129TH ST & CONVENT AVE	383 feet to the SE	Hazardous Waste Generator/Transporter
278	THE ST. AGNES HOUSING DEVELOPMENT FUND	41 CONVENT AVENUE	396 feet to the ESE	Petroleum Bulk Storage Site
238	WEST 128TH ST BET AMSTERD	WEST 128TH ST BET AMSTERD	416 feet to the S	Closed Status Spill (Misc. Spill Cause)
322	CON EDISON	FO 1429 AMSTERDAM AVE	416 feet to the N	Hazardous Waste Generator/Transporter
81	SIDEWALK	131ST ST/ CONVENT AVE	419 feet to the NE	Closed Status Spill (Unk/Other Cause)
279	1437 AMSTERDAM AVE REALTY INC	405 WEST 131TH STREET	430 feet to the NE	Petroleum Bulk Storage Site
82	128TH ST & AMSTERDAM AVE	128TH ST / AMSTERDAM AVE	458 feet to the WSW	Closed Status Spill (Unk/Other Cause)
239	128TH ST AT	AMPSTERDAM AVE/AT DEAD ED	458 feet to the WSW	Closed Status Spill (Misc. Spill Cause)
240	AMSTERDAM AVE & 128TH ST	AMSTERDAM AVE & 128TH ST	458 feet to the WSW	Closed Status Spill (Misc. Spill Cause)
323	NYNEX	AMSTERDAM AVE & 128TH ST	458 feet to the WSW	Hazardous Waste Generator/Transporter
324	CONED	W128TH ST & AMSTERDAM AVE	458 feet to the WSW	Hazardous Waste Generator/Transporter
325	CON EDISON MANHOLE 9240	538 W 128 ST	459 feet to the SW	Hazardous Waste Generator/Transporter
326	CON EDISON	SE COR W 131ST ST & AMSTERDAM	467 feet to the N	Hazardous Waste Generator/Transporter
327	CONSOLIDATED EDISON OF NY	N/W/C 131ST ST AMSTERDAM AVE	467 feet to the N	Hazardous Waste Generator/Transporter
328	CON EDISON	N OF 131ST & AMSTERDAM AVE	467 feet to the N	Hazardous Waste Generator/Transporter
329	CON EDISON	NW COR W 131 ST & AMSTERDAM AVE	467 feet to the N	Hazardous Waste Generator/Transporter
241	APT BLDG	1437 AMSTERDAM AVE	468 feet to the N	Closed Status Spill (Misc. Spill Cause)
280	MORNINGSIDE REALTY ASSOC.	1437 AMSTERDAM AVE	469 feet to the N	Petroleum Bulk Storage Site
281	BENJAMIN THURSTON	465 W 131 ST	469 feet to the N	Petroleum Bulk Storage Site
330	CONSOLIDATED EDISON	88 CONVENT AVE	472 feet to the NNE	Hazardous Waste Generator/Transporter
356	SHELTERING ARMS	126−129 OLD BROADWAY & AMSTERDAM AVE.	472 feet to the WSW	Chemical Bulk Storage Facility
331	CONSOLIDATED EDISON	473 W 126TH ST	476 feet to the SW	Hazardous Waste Generator/Transporter
282	PUBLIC SCHOOL 223−MOTT HALL (M223)	131ST STREET &	481 feet to the NE	Petroleum Bulk Storage Site
283	MOTT HALL SCHOOL,IS 223	75 CONVENT AVE	481 feet to the NE	Petroleum Bulk Storage Site
284	1439 AMSTERDAM AVENUE	1439 AMSTERDAM AVENUE	492 feet to the N	Petroleum Bulk Storage Site
332	NYC BOARD OF EDUCATION	JHS 43 M − 509 W 129TH ST	499 feet to the WNW	Hazardous Waste Generator/Transporter
285	AUNNUNCIATION CHURCH	88 CONVENT AVE	505 feet to the NNE	Petroleum Bulk Storage Site
286	CHURCH ANNUNCIATION	461 W 131 ST	505 feet to the NNE	Petroleum Bulk Storage Site
287	JUNIOR HIGH SCHOOL 43 − MANHATTAN	509 WEST 129TH STREET	512 feet to the WNW	Petroleum Bulk Storage Site
83	BACK OF 419 WEST 129TH STREET	418−420 WEST 130TH STREET	517 feet to the ESE	Closed Status Spill (Unk/Other Cause)
288	33 CONVENT AVENUE HDFC	29−33 CONVENT AVENUE	527 feet to the SE	Petroleum Bulk Storage Site
289	129 STREET REALTY CORP.	419 WEST 129TH STREET	528 feet to the ESE	Petroleum Bulk Storage Site
290	418 WEST 130TH LLC	418 WEST 130TH STREET	532 feet to the ESE	Petroleum Bulk Storage Site
333	CON EDISON	419 W 129TH ST	539 feet to the SE	Hazardous Waste Generator/Transporter
334	CON EDISON	F/O 449W 128TH ST	542 feet to the SSE	Hazardous Waste Generator/Transporter
335	NYC BOARD OF EDUCATION − PS 129	425 W 130TH STREET	545 feet to the E	Hazardous Waste Generator/Transporter
336	CON EDISON	F/O 22 CONVENT AVE	545 feet to the SSE	Hazardous Waste Generator/Transporter
337	CON EDISON	F/O 22 CONVENT AVE	545 feet to the SSE	Hazardous Waste Generator/Transporter
291	PUBLIC SCHOOL 129 − MANHATTAN	425 WEST 130TH STREET	556 feet to the E	Petroleum Bulk Storage Site
338	CON EDISON	FO 1441 AMSTERDAM AVE	564 feet to the N	Hazardous Waste Generator/Transporter
339	BETANCOURT PROPERTY	458 WEST 128TH ST	574 feet to the S	Hazardous Waste Generator/Transporter
340	CONSOLIDATED EDISON	VS5942−AMERSTAM ST & 126TH ST	583 feet to the SW	Hazardous Waste Generator/Transporter
341	CONSOLIDATED EDISON	VS5942 − AMERSTAM & 126TH	583 feet to the SW	Hazardous Waste Generator/Transporter
292	418 WEST 129 STREET	418−420 WEST 129TH STREET	594 feet to the SE	Petroleum Bulk Storage Site

293	CITY COLLEGE OF NEW YORK	91 CONVENT AVE (PK GYM)	596 feet to the NE	Petroleum Bulk Storage Site
294	CONVENT REALTY LLC	90 CONVENT AVENUE	597 feet to the NNE	Petroleum Bulk Storage Site
342	CCNY − PARK GYMNASIUM	77 CONVENT AVE	610 feet to the NE	Hazardous Waste Generator/Transporter
84	CONVENT AVE & 128TH STR	2125 CONVENT AVENUE	623 feet to the SSE	Closed Status Spill (Unk/Other Cause)
242	VACANT LOT	128TH ST & CONVENT AVE	629 feet to the SSE	Closed Status Spill (Misc. Spill Cause)
343	CON EDISON	W 128TH ST & CONVENT AVE	629 feet to the SSE	Hazardous Waste Generator/Transporter
344	CON EDISON	N/E/C CONVENT AVE & W. 128TH ST	629 feet to the SSE	Hazardous Waste Generator/Transporter
345	CON EDISON	NWC W 128 ST & CONVENT AVE	629 feet to the SSE	Hazardous Waste Generator/Transporter
295	21−25 CONVENT AVENUE REALTY LLC	21 CONVENT AVENUE	639 feet to the SSE	Petroleum Bulk Storage Site
296	CLASSIC REALTY&MGMT CORP	21 CONVENT AVE	639 feet to the SSE	Petroleum Bulk Storage Site
346	CONSOLIDATED EDISON	96 CONVENT AVE	641 feet to the NNE	Hazardous Waste Generator/Transporter
347	CONSOLIDATED EDISON	1470 AMSTERDAM AVE	645 feet to the NW	Hazardous Waste Generator/Transporter
348	CONSOLIDATED EDISON	1420 AMSTERDAM AVE	645 feet to the NW	Hazardous Waste Generator/Transporter
349	CON EDISON	FO 1426 AMSTERDAM AVE	645 feet to the NW	Hazardous Waste Generator/Transporter
350	CON EDISON	FO 1430 AMSTERDAM AVE	645 feet to the NW	Hazardous Waste Generator/Transporter
351	CON EDISON	OPP 508 W 133 ST	645 feet to the NW	Hazardous Waste Generator/Transporter
352	CON EDISON	530 W 133 ST	645 feet to the NW	Hazardous Waste Generator/Transporter
353	NYC HOUSING AUTHORITY	555 W 126TH ST	645 feet to the NW	Hazardous Waste Generator/Transporter
297	416 HDFC	416 W 129 ST	649 feet to the SE	Petroleum Bulk Storage Site
298	AFRO AMERICAN STUDIO	415 W 127 ST	649 feet to the S	Petroleum Bulk Storage Site
354	CON EDISON	N/E/C W 126 ST AND W 127 ST	649 feet to the SSW	Hazardous Waste Generator/Transporter
359	NYCHA−MANHATTANVILLE	549 WEST 126TH ST.	655 feet to the NNW	Air Discharge Site
85	APARTMENT BUILDING	408−410 WEST 130TH ST.	662 feet to the ESE	Closed Status Spill (Unk/Other Cause)
86	408 WEST 130TH STREET	408 WEST 130TH STREET	662 feet to the ESE	Closed Status Spill (Unk/Other Cause)
87	419 WEST 128TH STREET	419 WEST 128TH STREET	690 feet to the SE	Closed Status Spill (Unk/Other Cause)
88	419 W. 128TH STREET	419 W. 128TH STREET	690 feet to the SE	Closed Status Spill (Unk/Other Cause)
30	MT. WILSON PARTNERS APTS.	412 W.129TH STREET	704 feet to the SE	Closed Status Tank Failure
13	MANHATTANVILLE HOUSING −NYCHA	1430 AMSTERDAM AVENUE	709 feet to the NNW	Active Haz Spill (Unknown/Other Cause)
43	MANHATTANVILLE	1430 AMSTERDAM AV	709 feet to the NNW	Closed Status Tank Test Failure
44	MANHATTANVILLE	1430 AMSTERDAM AVENUE	709 feet to the NNW	Closed Status Tank Test Failure
45	MANHATTANVILLE HOUSES −NYCHA	1430 AMSTERDAM AVENUE	709 feet to the NNW	Closed Status Tank Test Failure
46	MANHATTANVILLE −NYCHA	1430 AMSTERDAM AVENUE	709 feet to the NNW	Closed Status Tank Test Failure
47	MANHATTANVILLE HOUSES −NYCHA	1430 AMSTERDAM AVENUE	709 feet to the NNW	Closed Status Tank Test Failure
89	1430 AMSTERDAM AVE/MANH	1430 AMSTERDAM AVENUE	709 feet to the NNW	Closed Status Spill (Unk/Other Cause)
90	1430 AMSTERDAM AVE/MANH	1430 AMSTERDAM AVENUE	709 feet to the NNW	Closed Status Spill (Unk/Other Cause)
91	MANHATTANVILLE −NYCHA	1430 AMSTERDAM AVENUE	709 feet to the NNW	Closed Status Spill (Unk/Other Cause)
243	MANHATTANVILLE	1430 AMSTERDAM AVE	709 feet to the NNW	Closed Status Spill (Misc. Spill Cause)
244	MANHATTANVILLE	1430 AMSTERDAM AVE	709 feet to the NNW	Closed Status Spill (Misc. Spill Cause)
245	MANHATTANVILLE	549 WEST 126TH STREET	709 feet to the NNW	Closed Status Spill (Misc. Spill Cause)
246	1345 AMSTERDAM AVE.	1345 AMSTERDAM AVENUE	737 feet to the SW	Closed Status Spill (Misc. Spill Cause)
92	26 PRECINCT NYPD −DDC	520 WEST 126TH STREET	753 feet to the W	Closed Status Spill (Unk/Other Cause)
93	1346 AMSTERDAM	1346 AMSTERDAM AVE	779 feet to the SW	Closed Status Spill (Unk/Other Cause)
94	411 W 128TH ST	411 W 128TH ST	803 feet to the SE	Closed Status Spill (Unk/Other Cause)
95	SERVICE BOX 20506	465 WEST 125TH ST	825 feet to the SW	Closed Status Spill (Unk/Other Cause)
96	SERVICE BOX 55632	FRONT OF 469 W.125TH ST	871 feet to the SW	Closed Status Spill (Unk/Other Cause)
48	NYC HPD	453 WEST 125TH ST	876 feet to the SSW	Closed Status Tank Test Failure
97	STREET	AMSTERDAM AV & W 125TH	884 feet to the SW	Closed Status Spill (Unk/Other Cause)
98	SPILL NUMBER 9808604	545 WEST 125TH STREET	890 feet to the W	Closed Status Spill (Unk/Other Cause)
99	210821; MORNINGSIDE AVE AND 127 ST	MORNINGSIDE AVE AND 127 ST	903 feet to the SSE	Closed Status Spill (Unk/Other Cause)
100	133RD ST & CONVENT AV	133RD ST & CONVENT AV	914 feet to the NNE	Closed Status Spill (Unk/Other Cause)
31	MANHATTANVILLE	W 133RD ST & AMSTERDAM AV	941 feet to the NNE	Closed Status Tank Failure
101	IN BEDROCK	162 ST. NICHOLAS TERRACE	943 feet to the NE	Closed Status Spill (Unk/Other Cause)
102	CITY COLLEGE	141 CONVENT AVE	943 feet to the NE	Closed Status Spill (Unk/Other Cause)

247	PS 161	499 W 133RD ST	1073 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
49	APARTMENT BUILDING	8 ST NICHOLAS TERRACE	1088 feet to the SE	Closed Status Tank Test Failure
103	ENGINE CO. 037/LADD. CO. 40 FDNY −DDC	415 WEST 125TH STREET	1137 feet to the S	Closed Status Spill (Unk/Other Cause)
104	MOBIL S/S	3260 BROADWAY	1145 feet to the NW	Closed Status Spill (Unk/Other Cause)
105	SPILL NUMBER 9811696	W 126TH ST 11TH AVE	1151 feet to the WNW	Closed Status Spill (Unk/Other Cause)
14	MANHOLE 62577	BROADWAY NORTH WEST 130 STREET	1152 feet to the NW	Active Haz Spill (Unknown/Other Cause)
106	LOT VACANT @ BROADWAY WEST 130TH	MANHATTAN BLOCK 1996/ LOT 3	1152 feet to the NW	Closed Status Spill (Unk/Other Cause)
248	SOIL	WEST 130TH ST AND BROADWAY	1152 feet to the NW	Closed Status Spill (Misc. Spill Cause)
50	GRANT HOUSES −NYCHA	1320 AMSTERDAM AVE	1176 feet to the WSW	Closed Status Tank Test Failure
51	GRANT HOUSES −NYCHA	1320 AMSTERDAM AVE	1176 feet to the WSW	Closed Status Tank Test Failure
107	U−HAUL	3270 BROADWAY	1176 feet to the NNW	Closed Status Spill (Unk/Other Cause)
108	MANHOLE 24630	LASALLE ST AND AMSTERDAM AVE	1192 feet to the SW	Closed Status Spill (Unk/Other Cause)
109	MANHOLE 57843	125TH ST & BROADWAY	1208 feet to the W	Closed Status Spill (Unk/Other Cause)
110	IN DITCH	NE CORNER WEST 125TH ST/ BROADWAY	1208 feet to the W	Closed Status Spill (Unk/Other Cause)
111	212761; W 125 ST AND BROADWAY	W 125 ST AND BROADWAY	1208 feet to the W	Closed Status Spill (Unk/Other Cause)
26	BROADWAY/W. 131ST ST	BROADWAY N/O W. 131ST ST	1210 feet to the NW	Active Haz Spill (Misc. Spill Cause)
32	501 WEST 134TH ST	501 WEST 134TH ST	1277 feet to the NNE	Closed Status Tank Failure
112	3233− 3235 BROADWAY	3233− 3235 BROADWAY	1279 feet to the WNW	Closed Status Spill (Unk/Other Cause)
9	FORMER WOLF−AMOCO STATION / COLUMBIA UNIVERSITY	3225 BROADWAY	1286 feet to the WNW	Active Tank Test Failure
52	AMOCO	3225 BROADWAY	1286 feet to the WNW	Closed Status Tank Test Failure
113	MANHOLE #61734S	BROADWAY & TIEMAN PLACE	1301 feet to the W	Closed Status Spill (Unk/Other Cause)
114	FEEDER M52	TIEMAN PL & BROADWAY	1301 feet to the W	Closed Status Spill (Unk/Other Cause)
115	MANHOLE#47018	TIEMANA PLACE/BROADWAY	1301 feet to the W	Closed Status Spill (Unk/Other Cause)
249	FEEDER M51/52	BROADWAY/TIEMANN ST	1301 feet to the W	Closed Status Spill (Misc. Spill Cause)
250	FEEDER M51	BROADWAY NEAR TIEMANN PLACE	1301 feet to the W	Closed Status Spill (Misc. Spill Cause)
15	SIDEWALK	3249 BROADWAY	1303 feet to the NW	Active Haz Spill (Unknown/Other Cause)
27	BROADWAY/W. 132ND ST	BROADWAY S/O W. 132ND ST	1320 feet to the NNW	Active Haz Spill (Misc. Spill Cause)
116	FEEDER M52	W.132ND ST/BROADWAY	1320 feet to the NNW	Closed Status Spill (Unk/Other Cause)
117	MANHOLE #61799	BROADWAY & 132ND ST	1320 feet to the NNW	Closed Status Spill (Unk/Other Cause)
251	132ND ST AND BROADWAY	132ND ST AND BROADWAY	1320 feet to the NNW	Closed Status Spill (Misc. Spill Cause)
118	MERCURY SPILL CITY OWNED SITE	150 CONVENT AVE	1331 feet to the NNE	Closed Status Spill (Unk/Other Cause)
119	VERIZON	603 WEST 130TH STREET	1380 feet to the NW	Closed Status Spill (Unk/Other Cause)
252	ADJACENT TO VAULT #9034	2437 8TH AVE	1387 feet to the ESE	Closed Status Spill (Misc. Spill Cause)
253	VAULT 9034	2437 8TH AVE	1387 feet to the ESE	Closed Status Spill (Misc. Spill Cause)
120	VAULT 3098	603−11 W 129TH ST	1399 feet to the WNW	Closed Status Spill (Unk/Other Cause)
254	CONSTRUCTION SITE	603 WEST 129TH STREET	1399 feet to the WNW	Closed Status Spill (Misc. Spill Cause)
255	CONSTRUCTION SITE	605 WEST 129TH ST	1399 feet to the WNW	Closed Status Spill (Misc. Spill Cause)
53	NYC HOUSING COMPLEX	504 WEST 135TH ST	1440 feet to the N	Closed Status Tank Test Failure
121	COMMERCIAL ADDRESS	357 WEST 125TH STREET	1463 feet to the SSE	Closed Status Spill (Unk/Other Cause)
256	SPILL NUMBER 0009511	301 ST NICHOLAS AVE	1463 feet to the SSE	Closed Status Spill (Misc. Spill Cause)
122	CONED MANHOLE#27844	WEST 133RD/BROADWAY	1466 feet to the NNW	Closed Status Spill (Unk/Other Cause)
2	ASHLAND CHEMICAL CORP	609 WEST 131ST STREET	1488 feet to the NW	RCRA Corrective Action Site
6	ASHLAND CHEMICAL CORP	609 WEST 131ST STREET	1488 feet to the NW	Hazardous Waste Treat, Storage, Disposal
54	TANK TEST FAILURE TTF	440 SAINT NICHOLAS AVE	1492 feet to the E	Closed Status Tank Test Failure
55	CITY COLLEGE OF NY	W 135TH STREET &	1494 feet to the NE	Closed Status Tank Test Failure
123	COMMERCIAL/APARTMENT	3155 BROADWAY	1534 feet to the W	Closed Status Spill (Unk/Other Cause)
56	HPD	527 W.134TH ST	1543 feet to the N	Closed Status Tank Test Failure
124	VACANT LOT	BLOCK 1996 LOT 18 NEAR	1552 feet to the WNW	Closed Status Spill (Unk/Other Cause)
125	217193; 8 AVE AND 130 ST	8 AVE AND 130 ST	1560 feet to the ESE	Closed Status Spill (Unk/Other Cause)
28	DASNY	W.135TH ST & ST NICHOLAS	1569 feet to the NE	Active Haz Spill (Misc. Spill Cause)
126	210142; 8 AV 2445 & FRED DOUGLASS B	8 AV 2445 & FRED DOUGLASS B	1579 feet to the ESE	Closed Status Spill (Unk/Other Cause)
10	APT COMPLEX TTF	80 LASALLE ST	1595 feet to the SW	Active Tank Test Failure
57	SPILL NUMBER 0300855	80 LASALLE ST	1595 feet to the SW	Closed Status Tank Test Failure

58	80 LASALLE ST	80 LASALLE ST	1595 feet to the SW	Closed Status Tank Test Failure
257	IN ROADWAY	80 LASALLE STREET	1595 feet to the SW	Closed Status Spill (Misc. Spill Cause)
127	NEW YORK CITY BOARD OF ED	425 WEST 123RD STREET	1607 feet to the SSW	Closed Status Spill (Unk/Other Cause)
128	PS 125	WEST 123RD ST	1607 feet to the SSW	Closed Status Spill (Unk/Other Cause)
129	125ST	ST NICHOLAS AVE	1621 feet to the SSE	Closed Status Spill (Unk/Other Cause)
16	COLUMBIA UNIVERSITY	615 WEST 131ST STREET LLC	1634 feet to the NW	Active Haz Spill (Unknown/Other Cause)
130	BROADWAY	LASALLE AV	1642 feet to the WSW	Closed Status Spill (Unk/Other Cause)
131	FEEDER M52	BROADWAY & LA SALLE AVE	1642 feet to the WSW	Closed Status Spill (Unk/Other Cause)
132	MANHOLE #28707	LASALLE ST & BROADWAY	1642 feet to the WSW	Closed Status Spill (Unk/Other Cause)
17	SKYLINE WINDOWS	625 WEST 130TH ST	1665 feet to the NW	Active Haz Spill (Unknown/Other Cause)
11	TTF − APARTMENT BLDG	285 ST NICHOLAS AVE	1691 feet to the S	Active Tank Test Failure
59	637 WEST 125TH ST/MANH	637 WEST 125TH STREET	1719 feet to the WNW	Closed Status Tank Test Failure
3	CE − W. 132ND ST. STATION	12TH AVE. BETWEEN W.131ST − W. 133RD STS.	1731 feet to the NW	Brownfields Site
133	MANHOLE IN FRONT OF	433 WEST 123RD ST	1741 feet to the SSW	Closed Status Spill (Unk/Other Cause)
134	APART	480 ST NICHOLOS AVE	1746 feet to the E	Closed Status Spill (Unk/Other Cause)
135	216910; ST. NICHOLAS AVE & HANCOCK PL	ST. NICHOLAS AVE & HANCOCK PL	1769 feet to the S	Closed Status Spill (Unk/Other Cause)
136	APT BUILDING	518 WEST 136 ST	1795 feet to the N	Closed Status Spill (Unk/Other Cause)
60	APARTMENT BLDG	1274 AMSTERDAM AVE	1797 feet to the SW	Closed Status Tank Test Failure
18	W132NS ST PURS UNIT R4 (M52S)	630 WEST 132ND STREET	1809 feet to the NW	Active Haz Spill (Unknown/Other Cause)
19	W 132NS ST PURS UNIT R2 (M52N)	WEST 132ND ST	1809 feet to the NW	Active Haz Spill (Unknown/Other Cause)
33	WEST 132ND PURRS PLANT	630 WEST 132ND STREET	1809 feet to the NW	Closed Status Tank Failure
137	W 132ND ST PURS UNIT R3 (M51S)	630 WEST 132ND STREET	1809 feet to the NW	Closed Status Spill (Unk/Other Cause)
138	PURS	WEST 132ND ST	1809 feet to the NW	Closed Status Spill (Unk/Other Cause)
258	132ND ST COOLING PLANT	132ND ST COOLING PLANT	1809 feet to the NW	Closed Status Spill (Misc. Spill Cause)
259	630 WEST 132 ST BRONX	132 ST PURS PLANT	1809 feet to the NW	Closed Status Spill (Misc. Spill Cause)
260	W 132ND ST PURS	630 WEST 132ND STREET	1809 feet to the NW	Closed Status Spill (Misc. Spill Cause)
139	TRANS FORMER MANHOLE 1888	ST NICHOLOS AVE WEST 124TH	1835 feet to the S	Closed Status Spill (Unk/Other Cause)
140	VAULT VS−5606	554 RIVERSIDE DRIVE	1842 feet to the WNW	Closed Status Spill (Unk/Other Cause)
141	VAULT 5606	554 RIVERSIDE DR	1842 feet to the WNW	Closed Status Spill (Unk/Other Cause)
142	SOUTHWEST CORNER	135TH ST & BROADWAY	1850 feet to the N	Closed Status Spill (Unk/Other Cause)
61	WARREN ELECTRICAL SUPPLY	641 WEST 131ST ST	1851 feet to the NW	Closed Status Tank Test Failure
20	COLUMBIA UNIVERCITY	640 WEST 131ST STREET	1860 feet to the NW	Active Haz Spill (Unknown/Other Cause)
143	AUTO SHOP	640 W. 131ST ST	1860 feet to the NW	Closed Status Spill (Unk/Other Cause)
34	YOUNG RESIDENCE	355 W. 123RD ST.	1864 feet to the S	Closed Status Tank Failure
21	MANHATTANVILLE DEPOT −NYCT	666 WEST 133RD STREET	1879 feet to the NW	Active Haz Spill (Unknown/Other Cause)
22	MANHATTAN DEPOT − VAULT −NYCT	666 WEST 133RD STREET	1879 feet to the NW	Active Haz Spill (Unknown/Other Cause)
62	MANHATTENVILLE BUS DEPOT	666 WEST 132ND ST	1879 feet to the NW	Closed Status Tank Test Failure
63	MANHATTANVILLE DEPOT	666 WEST 133RD STREET	1879 feet to the NW	Closed Status Tank Test Failure
64	NYC TRANSIT AUTH	132E & W 132ND ST	1879 feet to the NW	Closed Status Tank Test Failure
144	MANHATTANVILLE BUS DEPOT	666 WEST 132ND ST	1879 feet to the NW	Closed Status Spill (Unk/Other Cause)
145	MANHATTANVILLE DEPOT	666 WEST 132ND ST	1879 feet to the NW	Closed Status Spill (Unk/Other Cause)
146	MANHATTANVILLE BUS DEPOT	666 WEST 133RD ST	1879 feet to the NW	Closed Status Spill (Unk/Other Cause)
147	MANHATTANVILLE DEPOT	666 WEST 133RD STREET	1879 feet to the NW	Closed Status Spill (Unk/Other Cause)
148	MANHATTANVILLE DEPOT	666 WEST 133RD STREET	1879 feet to the NW	Closed Status Spill (Unk/Other Cause)
149	MANHATTAN TERMINAL	666 WEST 133RD ST	1879 feet to the NW	Closed Status Spill (Unk/Other Cause)
150	MANHATTENVILLE DEPOT	666 WEST 133RD STREET	1879 feet to the NW	Closed Status Spill (Unk/Other Cause)
151	MANHATTANVILLE BUS DEPOT	666 WEST 133RD STREET	1879 feet to the NW	Closed Status Spill (Unk/Other Cause)
152	MANHATTANVILLE DEPOT −NYCT	133RD ST.	1879 feet to the NW	Closed Status Spill (Unk/Other Cause)
153	MANHATTANVILLE BUS DEPOT	666 WEST 133RD STREET	1879 feet to the NW	Closed Status Spill (Unk/Other Cause)
154	MANHATTANVILLE BUS DEPOT	666 WEST 133RD STREET	1879 feet to the NW	Closed Status Spill (Unk/Other Cause)
261	MANHATTENVILLE BUS DEPOT	666 WEST 133RD STREET	1879 feet to the NW	Closed Status Spill (Misc. Spill Cause)
262	MANHATTANVILLE DEPOT	666 WEST 133RD STREET	1879 feet to the NW	Closed Status Spill (Misc. Spill Cause)
23	APT BLDG	524 W 123RD ST	1895 feet to the SW	Active Haz Spill (Unknown/Other Cause)

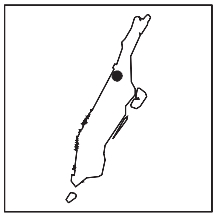
155	269 W 133RD STREET	269 W. 133RD STREET	1903 feet to the E	Closed Status Spill (Unk/Other Cause)
156	BROADWAY SOUTH	122ND ST/LASALLE ST	1905 feet to the WSW	Closed Status Spill (Unk/Other Cause)
65	THE DERMOT COMPANY	526 WEST 123RD STREET	1906 feet to the SW	Closed Status Tank Test Failure
24	LOT # 61	673 WEST 125TH ST	1927 feet to the WNW	Active Haz Spill (Unknown/Other Cause)
157	663 WEST 125TH ST	663 WEST 125TH STREET	1927 feet to the WNW	Closed Status Spill (Unk/Other Cause)
66	3333 BROADWAY	3333 BROADWAY	1935 feet to the NNW	Closed Status Tank Test Failure
158	RIVERSIDE PARK COMPLEX	3333 BROADWAY	1935 feet to the NNW	Closed Status Spill (Unk/Other Cause)
159	3333 BROADWAY	3333 BROADWAY	1935 feet to the NNW	Closed Status Spill (Unk/Other Cause)
160	ON STREET	3333 BROADWAY	1935 feet to the NNW	Closed Status Spill (Unk/Other Cause)
29	RESIDENCE BASEMENT	98 MORNINGSIDE AVENUE	1942 feet to the S	Active Haz Spill (Misc. Spill Cause)
161	EQUITY MANGEMENT	98 MORNINGSIDE AVE	1942 feet to the S	Closed Status Spill (Unk/Other Cause)
162	APT BUILDING	98 MORNINGSIDE AVE	1942 feet to the S	Closed Status Spill (Unk/Other Cause)
163	WATTS	98 MORINGING SIDE AVE	1942 feet to the S	Closed Status Spill (Unk/Other Cause)
67	THE DERMOT COMPANY	503 WEST 122ND STREET	1948 feet to the SW	Closed Status Tank Test Failure
164	SPILL NUMBER 0101178	8TH AVE & W 125TH ST	1952 feet to the SSE	Closed Status Spill (Unk/Other Cause)
68	APRT	505 WEST 122ND	1956 feet to the SW	Closed Status Tank Test Failure
35	UNIVERSITY, MARSHAK BUILDING	137TH STREET	1962 feet to the NE	Closed Status Tank Failure
165	515 W 122ND ST	515 W 122ND ST	1990 feet to the SW	Closed Status Spill (Unk/Other Cause)
166	UNK	215 W.127TH ST.	1995 feet to the SE	Closed Status Spill (Unk/Other Cause)
167	WEST 126TH STREET	MORNINGSIDE AVE/ AMSTERDA	2007 feet to the SW	Closed Status Spill (Unk/Other Cause)
168	MANHOLE #58711	WEST 123 ST & MANHATTAN AVE	2046 feet to the S	Closed Status Spill (Unk/Other Cause)
69	JEWISH THEOLOGICAL SEMINARY	3080 BROADWAY	2048 feet to the SW	Closed Status Tank Test Failure
169	MANHOLE #60248	12 AVENUE & ST. CLAIR'S PLACE	2051 feet to the WNW	Closed Status Spill (Unk/Other Cause)
170	EXCAVATION	BROADWAY/123RD ST	2054 feet to the WSW	Closed Status Spill (Unk/Other Cause)
263	FEEDER M52	BROADWAY / 123RD ST	2054 feet to the WSW	Closed Status Spill (Misc. Spill Cause)
171	20457 SERVICE BOX	12 AVENUE & W 125 STREET	2073 feet to the WNW	Closed Status Spill (Unk/Other Cause)
172	MANHOLE#M47173	W. 125TH / 12TH AVE.	2073 feet to the WNW	Closed Status Spill (Unk/Other Cause)
173	MANHOLE 3140	WEST 136TH ST & BROADWAY	2077 feet to the N	Closed Status Spill (Unk/Other Cause)
264	BROADWAY/W. 136TH ST.	BROADWAY/W. 136TH ST	2077 feet to the N	Closed Status Spill (Misc. Spill Cause)
25	ONE PINT OIL LEAKING FROM CABLE IN	WEST 130 STREET AT 12 AVENUE.	2083 feet to the WNW	Active Haz Spill (Unknown/Other Cause)
174	SERVICE 47174	W 130TH ST /12TH AVE	2083 feet to the WNW	Closed Status Spill (Unk/Other Cause)
175	COLUMBIA UNIVERSITY	500 WEST 122ND STREET	2091 feet to the SW	Closed Status Spill (Unk/Other Cause)
7	CITY COLLEGE OF NY	160 CONVENT AVENUE	2095 feet to the NNE	Hazardous Waste Treat, Storage, Disposal
176	FORMER GAS STATION	FREDERICK DOUGLASS BLVD	2137 feet to the SSE	Closed Status Spill (Unk/Other Cause)
70	CCNY BUILDING	152−236 CONVENT AVE	2145 feet to the NNE	Closed Status Tank Test Failure
177	SPILL NUMBER 9911952	540 MANHATTAN AV	2156 feet to the S	Closed Status Spill (Unk/Other Cause)
178	APT BUILDING	540 MANHATTAN AVE	2156 feet to the S	Closed Status Spill (Unk/Other Cause)
36	500 WEST 138TH ST/PS 192	500 WEST 138TH STREET	2171 feet to the N	Closed Status Tank Failure
179	PS #192	500 WEST 138TH ST	2171 feet to the N	Closed Status Spill (Unk/Other Cause)
180	PUBLIC SCHOOL 24	500 WEST 138TH ST	2171 feet to the N	Closed Status Spill (Unk/Other Cause)
181	SPILL NUMBER 9906936	2276 12TH AV	2204 feet to the WNW	Closed Status Spill (Unk/Other Cause)
265	PVT DWELLING	224 WEST 132ND ST	2219 feet to the ESE	Closed Status Spill (Misc. Spill Cause)
182	509 WEST 121ST ST	509 WEST 121ST ST	2236 feet to the SW	Closed Status Spill (Unk/Other Cause)
183	222 W.134 ST. MANHATTAN/#	222 W. 134 ST.	2238 feet to the E	Closed Status Spill (Unk/Other Cause)
184	222 WEST 134TH ST − P.S. 92	222 WEST 134TH ST	2238 feet to the E	Closed Status Spill (Unk/Other Cause)
266	SPILL NUMBER 9910909	527 1/2 MANHATTAN AVE	2262 feet to the S	Closed Status Spill (Misc. Spill Cause)
185	MANHOLE #24608	W 121ST & AMSTERDAM AV	2264 feet to the SW	Closed Status Spill (Unk/Other Cause)
186	MAN HOLE #24608	W 121ST ST & AMSTERDAM AV	2264 feet to the SW	Closed Status Spill (Unk/Other Cause)
267	121ST & AMSTERDAM AVE	121ST ST & AMSTERDAM AVE	2264 feet to the SW	Closed Status Spill (Misc. Spill Cause)
37	344 WEST 122ND STREET	344 WEST 122ND STREET	2269 feet to the S	Closed Status Tank Failure
187	CONSTRUCTION SITE	2300 FREDERICK DOUGLAS BLVD	2269 feet to the SSE	Closed Status Spill (Unk/Other Cause)
188	138TH ST & AMSTERDAM AVE	138TH ST & AMSTERDAM AVE	2269 feet to the NNE	Closed Status Spill (Unk/Other Cause)
189	OPEN TRENCH	W 122 ST/MANHATTAN AVE	2270 feet to the S	Closed Status Spill (Unk/Other Cause)

190	APARTMENT BUILDING	260 WEST 135TH ST	2286 feet to the E	Closed Status Spill (Unk/Other Cause)
191	CHURCH	219 WEST 132ND STREET	2290 feet to the E	Closed Status Spill (Unk/Other Cause)
192	SPILL IS IN REGION 2	NOT IN REG 3	2296 feet to the N	Closed Status Spill (Unk/Other Cause)
193	137TH ST & BROADWAY/CONED	137TH ST AND BROADWAY	2296 feet to the N	Closed Status Spill (Unk/Other Cause)
194	137TH STREET AND BROADWAY	7TH AVENUE STOP / SUBWAY	2296 feet to the N	Closed Status Spill (Unk/Other Cause)
195	LEAK WATCH− YONKERS TO MANHATTAN	BROADWAY AND W. 137 ST.	2296 feet to the N	Closed Status Spill (Unk/Other Cause)
196	MANHOLE	BROADWAY & WEST 137TH ST	2296 feet to the N	Closed Status Spill (Unk/Other Cause)
197	M52 FEEDER LEAK WITHIN MANHOLE	137 STREET & BROADWAY	2296 feet to the N	Closed Status Spill (Unk/Other Cause)
198	FEEDER M52 LEAKED INTO MH 62566	WEST 137 STREET & BROADWAY	2296 feet to the N	Closed Status Spill (Unk/Other Cause)
12	APT BLD 203 − TTF	203 WEST 131ST ST	2312 feet to the ESE	Active Tank Test Failure
199	OPEN EXCAVATION	203 WEST 131ST ST	2312 feet to the ESE	Closed Status Spill (Unk/Other Cause)
200	212678; 502 W 121 ST	502 W 121 ST	2313 feet to the SW	Closed Status Spill (Unk/Other Cause)
38	28TH PRECINCT NYPD −DDC	2271−89 EIGHTH AVE	2321 feet to the S	Closed Status Tank Failure
39	COLLEGE BUILDING	106 MORNING SIDE DRIVE	2321 feet to the SSW	Closed Status Tank Failure
201	125TH ST. & HUDSON RIVER	125TH ST. / HUDSON RIVER	2352 feet to the WNW	Closed Status Spill (Unk/Other Cause)
202	BELOW GRADE SERVICE BOX	I/S OF WEST 125TH AND W. MARGINAL ST	2352 feet to the WNW	Closed Status Spill (Unk/Other Cause)
203	SERVICE BOX # 51888	WEST 125 STREET & MARGINAL ST	2352 feet to the WNW	Closed Status Spill (Unk/Other Cause)
204	1 QT FUEL OIL IN SERVICE BOX #68518	WEST 125 & MARGINAL STREETS	2352 feet to the WNW	Closed Status Spill (Unk/Other Cause)
40	636 ASSETS INC	636 W 136TH ST	2354 feet to the NNW	Closed Status Tank Failure
205	APT BLD	270 WEST 136TH STREET	2364 feet to the ENE	Closed Status Spill (Unk/Other Cause)
71	32ND PERC. NYPD	135TH ST HARLEM	2380 feet to the E	Closed Status Tank Test Failure
206	32 PRECINCT NYPD −DDC	250 WEST 135TH STREET	2380 feet to the E	Closed Status Spill (Unk/Other Cause)
207	MANHOLE 57772	12TH AV/NW 135TH ST	2398 feet to the NNW	Closed Status Spill (Unk/Other Cause)
208	JUAN MARRERO	2248 7TH AVENUE	2445 feet to the E	Closed Status Spill (Unk/Other Cause)
209	302 WEST 122TH ST.	302 WEST 122TH ST.	2447 feet to the S	Closed Status Spill (Unk/Other Cause)
210	XFMR IN VAULT TM 3229 HAS BOTTOM LEAK	WEST 129 STREET & 7 AVENUE	2455 feet to the ESE	Closed Status Spill (Unk/Other Cause)
211	CARIB AUTO SHOP	1590 AMSTERDAM AVE	2472 feet to the NNE	Closed Status Spill (Unk/Other Cause)
212	IN FRONT OF	1592 AMSTERDAM AVE.	2472 feet to the NNE	Closed Status Spill (Unk/Other Cause)
72	235 ST NICHOLAS AVE	235 ST NICHOLAS AVENUE	2473 feet to the S	Closed Status Tank Test Failure
73	SHELL	235 ST NICHOLAS AV	2473 feet to the S	Closed Status Tank Test Failure
213	FORMER SHELL GAS STATION	235 ST NICHOLAS AVE	2473 feet to the S	Closed Status Spill (Unk/Other Cause)
214	SHELL GAS STATION	235 ST NICHOLAS AVE	2473 feet to the S	Closed Status Spill (Unk/Other Cause)
215	SHELL SERVICE #13876	235 ST NICHOLAS AVE	2473 feet to the S	Closed Status Spill (Unk/Other Cause)
216	TM #1893	WEST 131ST STREET AND 7TH	2483 feet to the ESE	Closed Status Spill (Unk/Other Cause)
217	MANHOLE 44896	W 128TH ST & 7TH AV	2483 feet to the SE	Closed Status Spill (Unk/Other Cause)
268	MANHOLE # 44896	SE CORNER OF W 128TH/7TH	2483 feet to the SE	Closed Status Spill (Misc. Spill Cause)
218	COLUMBIA COLLEGE DORM	531 WEST 120TH STREET	2484 feet to the SW	Closed Status Spill (Unk/Other Cause)
219	APT BLDG	35 HAMILTON PLACE	2509 feet to the N	Closed Status Spill (Unk/Other Cause)
220	207 CONVENT AVE	207 CONVENT AVE	2522 feet to the NE	Closed Status Spill (Unk/Other Cause)
221	212680; W 121 ST AND BROADWAY	W 121 ST AND BROADWAY	2526 feet to the SW	Closed Status Spill (Unk/Other Cause)
222	136TH ST & RIVERSIDE DR	136TH ST & RIVERSIDE DR	2534 feet to the NNW	Closed Status Spill (Unk/Other Cause)
223	W 136TH ST/RIVERSIDE AVE	W 136TH ST/RIVERSIDE AVE	2534 feet to the NNW	Closed Status Spill (Unk/Other Cause)
41	UPTOWN REALITY	222−224/226−228 W.125TH	2541 feet to the SSE	Closed Status Tank Failure
4	FORMER SHELL SERVICE STATION AND PARKING GARAGE	225−237 ST. NICHOLAS AVENUE	2542 feet to the S	Brownfields Site
224	SPILL NUMBER 9912736	224 W 135TH ST	2561 feet to the E	Closed Status Spill (Unk/Other Cause)
269	238 WEST 136TH ST	238 WEST 136TH ST	2568 feet to the ENE	Closed Status Spill (Misc. Spill Cause)
225	GRANTS TOMB	GRANTS TOMB	2576 feet to the WSW	Closed Status Spill (Unk/Other Cause)
5	FORMER SHELL SERVICE STATION AND PARKING GARAGE	225−237 ST. NICHOLAS AVENUE	2598 feet to the S	Brownfields Site
226	UNK	232 W. 136TH ST.	2607 feet to the E	Closed Status Spill (Unk/Other Cause)
227	MANHOLE #44873	W 126TH ST & 7TH AV	2615 feet to the SE	Closed Status Spill (Unk/Other Cause)
270	91 CLERMONT AVE/RIVERSIDE	91 CLERMONT AVE	2616 feet to the WSW	Closed Status Spill (Misc. Spill Cause)
1	FILM STORAGE WAREHOUSE SITE	203−209 WEST 146TH STREET	4958 feet to the NE	NYSDEC Inactive Haz Waste Disposal Site

Toxics Targeting
1 Mile Radius Map

487 W 129th Street
New York, NY 10027

N
W
E
S



New York County

National Priority List (NPL)

Inactive Hazardous Waste Disposal Registry Site

Inact. Haz Waste Disp. Registry Qualifying

RCRA Corrective Action Facility

Site Location

Waterbody

County Border

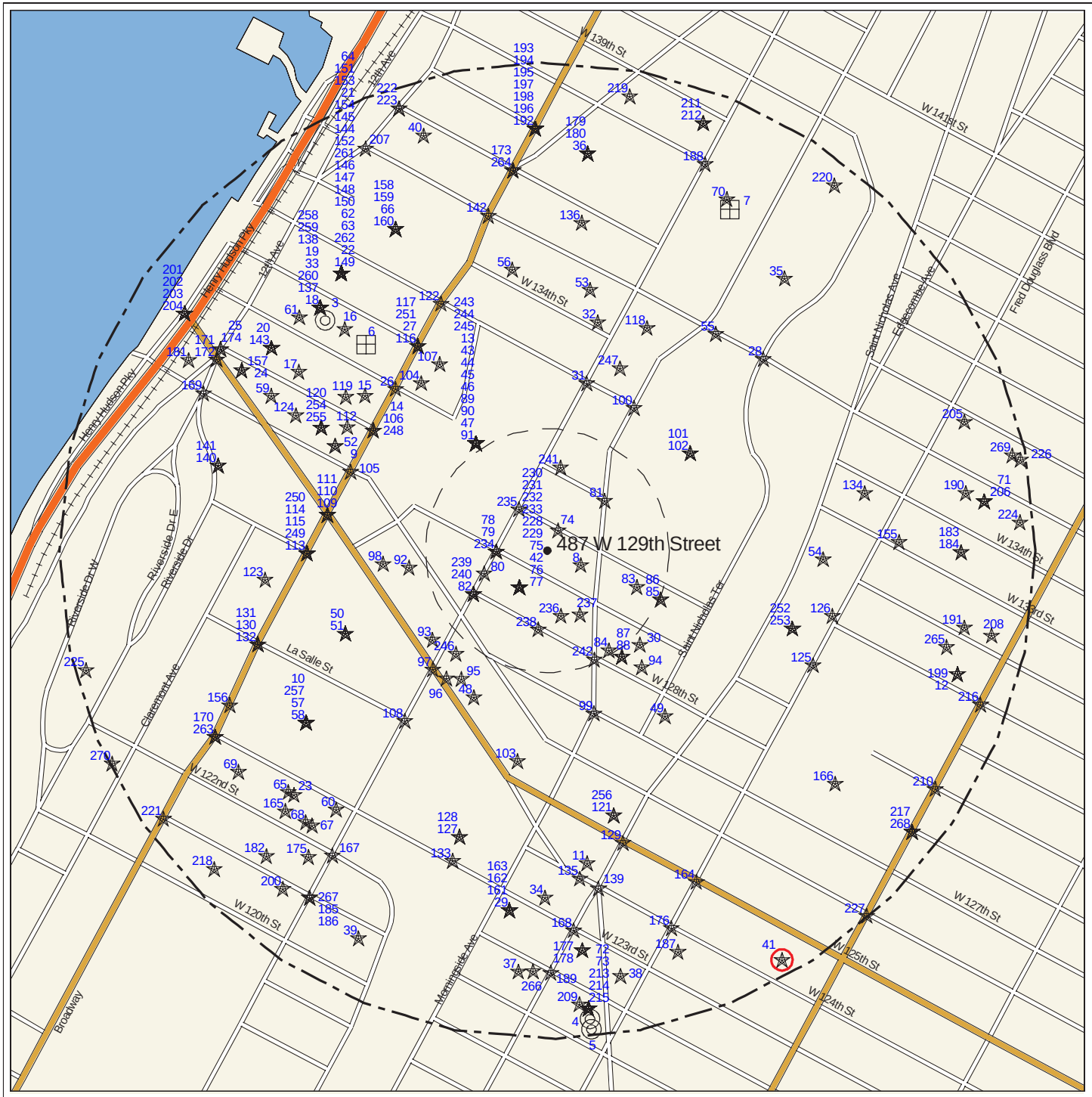
Railroad Tracks

1 Mile Radius

1/2 Mile Radius

1/4 Mile Radius

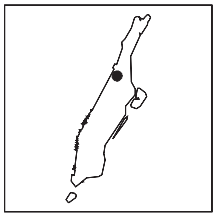
1/8 Mile Radius



Toxics Targeting
1/2 Mile Radius Map

487 W 129th Street

New York, NY 10027



New York County

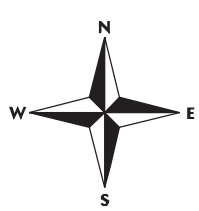
- Delisted NPL Site
- CERCLIS Superfund Non-NFRAP Site
- CERCLIS Superfund NFRAP Site
- Hazardous Waste Treater, Storer, Disposer
- Hazardous Substance Waste Disposal Site
- Solid Waste Facility
- Brownfields Site
- Hazardous Material Spill
- MTBE Gasoline Additive Spill

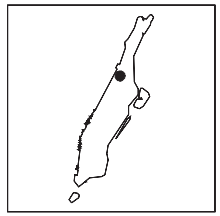
- Site Location
- Waterbody
- County Border
- Railroad Tracks
- 1 Mile Radius
- 1/2 Mile Radius
- 1/4 Mile Radius
- 1/8 Mile Radius

Toxics Targeting
1/8 Mile Radius Map

487 W 129th Street

New York, NY 10027





New York County

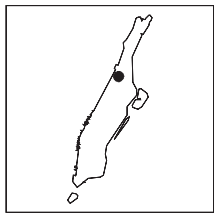
- Major Oil Storage Facility
- Chemical Storage Facility
- Toxic Release
- Wastewater Discharge
- Hazardous Waste Generator, Transp.
- Enforcement Docket Facility
- Air Release
- Env Qual Review E Designation
- Petroleum Bulk Storage Facility
- Historic Utility Site

- Site Location
- County Border
- 1/8 Mile Radius
- Waterbody
- Railroad Tracks
- 250 Foot Radius

Toxics Targeting
1/8 Mile Closeup Map

487 W 129th Street

New York, NY 10027



New York County

- National Priority List (NPL) *
- Delisted NPL Site **
- CERCLIS Superfund Non-NFRAP Site **
- CERCLIS Superfund NFRAP Site **
- Inactive Hazardous Waste Disposal Registry Site *
- Inact. Haz Waste Disp. Registry Qualifying *
- Hazardous Waste Treater, Storer, Disposer **
- RCRA Corrective Action Facility *
- Hazardous Substance Waste Disposal Site **
- Solid Waste Facility **
- Major Oil Storage Facility ****
- Brownfields Site **
- Chemical Storage Facility ****
- Hazardous Material Spill **
- Toxic Release ****
- MTBE Gasoline Additive Spill **
- Wastewater Discharge ****
- Petroleum Bulk Storage Facility ****
- Hazardous Waste Generator, Transp. ****
- Historic Utility Site ****
- Enforcement Docket Facility ****
- Air Release ****
- Env Qual Review E Designation *****
- Remediation Site Borders
- Site Location
- Waterbody
- County Border
- Railroad Tracks
- 1/8 Mile Radius
- 250 Foot Radius

* 1 Mile Search Radius

** 1/2 Mile Search Radius

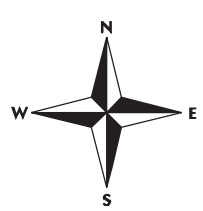
**** 1/8 Mile Search Radius

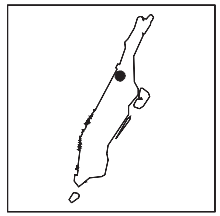
***** Onsite Search (250 Ft)

Toxics Targeting Tax Parcel Map

487 W 129th Street

New York, NY 10027





New York County

- National Priority List (NPL)
- Delisted NPL Site
- CERCLIS Superfund Non-NFRAP Site
- CERCLIS Superfund NFRAP Site
- Inactive Hazardous Waste Disposal Registry Site
- Inact. Haz Waste Disp. Registry Qualifying
- Hazardous Waste Treater, Storer, Disposer
- RCRA Corrective Action Facility
- Hazardous Substance Waste Disposal Site
- Solid Waste Facility
- Major Oil Storage Facility
- Brownfields Site
- Chemical Storage Facility
- Hazardous Material Spill
- Toxic Release
- MTBE Gasoline Additive Spill
- Wastewater Discharge
- Petroleum Bulk Storage Facility
- Hazardous Waste Generator, Transp.
- Historic Utility Site
- Enforcement Docket Facility
- Air Release
- Env Qual Review E Designation
- Remediation Site Borders
- Site Location
- Waterbody
- County Border
- Railroad Tracks

Tax Parcel Information Table

487 W 129th Street
New York, NY 10027

Subject Parcel or Parcels

BBL #	Address	Owner	Zoning District(s)	Building Class	# of Buildings	Year Built	Assessment	Lot Area
1−01969−0006	487 WEST 129 STREET		R7A	E1	1	1900	463500	19412

Other Parcels Found On The Tax Parcel Map

BBL #	Address	Owner	Zoning District(s)	Building Class	# of Buildings	Year Built	Assessment	Lot Area
1−01970−0016	70 CONVENT AVENUE	LOGAN GARDENS HDFC IN	R7−2	D1	2	1926	1853100	30282
1−01969−0065	48 CONVENT AVENUE	HOUSING PRESERVATION	R7A	C1	1	1910	621000	4914
1−01970−0009	489 WEST 130 STREET	LOGAN PLAZA ASSOCIATE	R7−2	G7	0		67500	2498
1−01970−0001	499 WEST 130 STREET	DEVELOPMENT FUND CORP	R7−2	C6	1	1901	266400	2492
1−01969−0081	1413 AMSTERDAM AVENUE	1411 AMSTERDAM AVE ET	R7A	C7	2	1901	403650	5009
1−01969−0068	CONVENT AVENUE	MANESH, DAVID	R7A	V1	0		280800	3902
1−01969−0019	44 CONVENT AVENUE	CONVENT AVENUE RESIDE	R7A	I7	1	2008	2167650	6579
1−01969−0080	1415 AMSTERDAM AVENUE	MANHATTAN BAPTIST CHU	R7A	M1	1	1920	84600	1875
1−01969−0005	497 WEST 129 STREET	WEST 129TH STREET REA	R7A	E1	1	1900	336600	11643
1−01984−0001	1470 AMSTERDAM AVENUE	NYC HOUSING AUTHORITY	R7−2	D3	6	1959	19470600	534775
1−01969−0001	1403 AMSTERDAM AVENUE	AMSTERDAM CONVENT REA	R7A	C7	4	1910	348750	9644
1−01969−0079	1417 AMSTERDAM AVENUE	MACKLIN, CARMEL	R7A	B1	1	1910	50053	1863
1−01968−0027	36 CONVENT AVENUE	36 CONVENT AVE HDFC	R7−2	C6	1	1926	388350	4600
1−01968−0016	451 WEST 128 STREET	CONVAM GARAGE COMPANY	M1−1 R7−2	G9	1	1924	1404000	24191
1−01969−0078	498 WEST 130 STREET	130 LENOX, INC.	R7A	V1	0		89550	1246
1−01969−0012	38 CONVENT AVENUE	ARK CONVENT II LLC	R7A	E1	1	1905	861750	21814
1−01984−0033	1400 AMSTERDAM AVENUE	BOARD OF EDUCATION	R7−2	W1	1	1936	4774050	52975
1−01969−0066	50 CONVENT AVENUE	HOUSING PRESERVATION	R7A	C1	1	1910	621000	4400
1−01969−0104	AMSTERDAM AVENUE	AMSTERDAM CONVENT REA	R7A	V9	0		374	342
1−01970−0002	1423 AMSTERDAM AVENUE	LOGAN PLAZA ASSOCIATE	R7−2	D1	1	1988	4410900	34978
1−01968−0001	1381 AMSTERDAM AVENUE	DEPT OF TRANSPORTATIO	M1−1	T9	1	1968	4306050	73225

Section Two: Toxic Site Profiles

The heading of each *Toxic Site Profile* refers to the site's map location and details:

- The facility name, address, city, state, and zip code.
- Any changes that were made to a site's address in order to map its location.
- The site mapping method that was used (see ***How Sites are Located***, at the end of this section for more information).

Toxic Site Profiles summarize information provided by site owners or operators and government agencies regarding various toxic chemical activities reported at each site, such as:

- Whether chemicals were stored, produced, transported, discharged or disposed of.
- The name of chemicals and their Chemical Abstract Series (CAS) numbers.
- The amount of chemicals and the units (gallons/pounds) the chemical was measured in.
- Whether the site or storage tanks at the site are currently active or inactive.
- Special codes used by government agencies to regulate hazardous waste activities at some sites, or a complete description of the codes follows the profiles section.

For selected individual chemicals reported at various toxic sites, some potential health effect summary information appears below the site profile. Each potential health effect summary identifies chemicals by name and by Chemical Abstract Series (CAS) Number. An "x" under each potential health effect heading indicates positive toxicity testing results reported by the National Institute of Occupational Safety and Health's Registry of Toxic Effects of Chemical Substances (RTECS). Some chemicals (mostly appearing in profiles of Hazardous Waste facilities), are reported as mixtures, and RTECS health effect information is only available for individual chemicals. In addition, RTECS only provides information on approximately 100,000 common chemicals. Consequently, the absence of potential health effect summary information for a particular chemical identified in a Toxic Site Profile does not necessarily mean that the chemical does not pose potential health effects.

The Maximum Contaminant Level (MCL) in drinking water allowed for selected chemicals is also noted. In most cases, the only applicable MCL has been set by the New York State Department of Health (NYSDOH). Where NYSDOH has not set an MCL, the federal standard, if one exists, is listed and is marked by an asterisk.

Presented below are column headings that describe the health effect definitions used in RTECS and applicable New York State and federal drinking water standards. Reference sources for information presented in this section are also provided.

ACUTE TOX: **Acute Toxicity**: Short-term exposure to this chemical can cause lethal and non-lethal toxicity effects not included in the following four categories.

TUMOR TOX: **Tumorigenic Toxicity**: The chemical can cause an increase in the incidence of tumors.

MUTAG TOX: **Mutagenic Toxicity**: The chemical can cause genetic alterations that are passed from one generation to the next.

REPRO TOX: **Reproductive Toxicity**: May signify one of the following effects: maternal effects, paternal effects, effects on fertility, effects on the embryo or fetus, specific developmental abnormalities, tumorigenic effects, or effects on the newborn (only positive reproductive effects data for mammalian species are referenced).

IRRIT TOX: **Primary Irritant**: The chemical can cause eye or skin irritation.

MCL: **Drinking Water Standard - Maximum Contaminant Level** (MCL) listed under Drinking Water Supplies, 10 NYCRR Part 5, Subparts 1.51(f),(g), and (h) for NYDOH MCL's and under the Safe Drinking Water Act, 40 CFR 141, Subparts B and G, (* indicates value for total trihalomethanes) for federal MCL's.

Reference Source for Toxicity Information: Registry of Toxic Effects of Chemical Substances (RTECS), NIOSH (on-line database); For further information, contact: NIOSH, 4676 Columbia Parkway, Cincinnati, OH, 45226, 800/35-NIOSH.

Reference Source for Drinking Water Standards: New York State Department of Health, Bureau of Toxic Substances Assessment, 2 University Place, Room 240, Albany, NY 12203, 518/458-6373.

U.S. Environmental Protection Agency, Office of Drinking Water, 401 M St SW, Mailstop WH-556, Washington, DC, 20460, 202/260-5700.

Inactive Hazardous Waste Disposal Site Classifications:

1 -- Causing or presenting an imminent danger of causing irreversible or irreparable damage to the public health or the environment -- immediate action required;
2 -- Significant threat to the public health or environment -- action required;
3 -- Does not Present a significant threat to the environment or public health -- action may be deferred;
4 -- Site properly closed --requires continued management;
5 -- Site properly closed, no evidence of present or potential adverse impact -- no further action required;
2a -- This temporary classification has been assigned to sites where there is inadequate data to assign them to the five classifications specified by law;
A -- Work underway and not yet complete;
P -- Potential Site;
$D_{1, 2, 3}$ -- Delisted Site (1: hazardous waste not found; 2: remediated; 3: consolidated site or site incorrectly listed);
C -- Remediation Complete (formerly D2).

NO NATIONAL PRIORITIES LIST (NPL) SITES IDENTIFIED WITHIN 1 MILE SEARCH RADIUS

INACTIVE HAZ WASTE DISPOSAL REGISTRY OR REGISTRY−QUALIFYING SITES IDENTIFIED WITHIN 1 MILE SEARCH RADIUS

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 1 **FILM STORAGE WAREHOUSE SITE** **Facility Id: 231009**
203−209 WEST 146TH STREET NEW YORK, NY 10039 TT−Id: 120A−0007−287

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 4958 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
INACTIVE HAZARDOUS WASTE DISPOSAL SITE INFORMATION

SITE CODE: 231009
CLASSIFICATION CODE: N REGION: 2 DEC ID: 57156
CLASSIFICATION CODE DESCRIPTION:
No further action

NAME OF SITE: Film Storage Warehouse Site
STREET ADDRESS: 203-209 West 146th Street TOWN: New York City
CITY: New York ZIP: 10039 COUNTY: New York

ESTIMATED SIZE:
SITE TYPE: Dump- Structure- Lagoon- Landfill- Treatment Pond-

INSTITUTIONAL/ENGINEERING CONTROLS:
None reported

CROSS REFERENCES:
None reported

SITE OWNER/OPERATOR/REPOSITORY INFORMATION:
None reported

HAZARDOUS WASTE DISPOSAL PERIOD:

SITE DESCRIPTION:

The former Film Storage Warehouse is approximately 0.25 acres and is located at 203-209 West 146th St. in Manhattan. The property is located on the north site of West 146th St. between Adam Clayton Powell Jr. Boulevard and Fredrick Douglass Boulevard. The site is bounded on the north and west by residential buildings, and on the east by commercial buildings with residences on the upper floors. The former warehouse site has been unoccupied for over 50 years and is currently vacant. A site investigation was funded by EPA as a targeted site assessment. A Site Investigation Report was approved in November 2004. The site did not qualify for addition to the Registry of Inactive Hazardous Waste Disposal sites.

CONFIRMED HAZARDOUS WASTE DISPOSED:
None reported

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:
Several contaminants were detected in soils including semivolatile compounds, (primarily polyaromatic hydrocarbons)and several metals. Most of the soil contamination appears to be related to historic fill material. The building interior also has debris piles containing asbestos and lead (from insulation and lead paint, respectively). Soil vapor beneath the building contains volatile organic compounds above expected background concentrations.

ASSESSMENT OF HEALTH PROBLEMS:
None provided

PROJECT COMPLETIONS:
Operable Unit 01 - Targeted Site Assessment

PROJECT	DESCRIPTION	END DATE	STATUS
Site Characterization		11/30/2004	Actual

The New York State Department of Environmental Conservation has not publicly updated the following fields since 2003:

ANALYTICAL DATA AVAILABLE FOR:	Air-	Surface Water-	Groundwater-	Soil-	Sediment-
APPLICABLE STANDARDS EXCEEDED IN:	Groundwater-	Drinking Water-	Surface Water-	Air-	

GEOTECHNICAL INFORMATION:
SOIL/ROCK TYPE:
GROUNDWATER DEPTH:

LEGAL ACTION:	Type:		State-	Federal-
STATUS:	Negotiation in Progress-		Order Signed-	
REMEDIAL ACTION:	Proposed-	Under Design-	In Progress-	Completed-
NATURE OF ACTION:				

RCRA CORRECTIVE ACTION SITES IDENTIFIED WITHIN 1 MILE SEARCH RADIUS

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 2 **ASHLAND CHEMICAL CORP** **Facility Id: NYD068212695**

609 WEST 131ST STREET NEW YORK, NY 10027 TT−Id: 220A−0026−864

EPA (RCRA) Name: ASHLAND INC

EPA (RCRA) Address: 609 W 131ST ST NEW YORK, NY 10027

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (3)
Approximate distance from property: 1488 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

GENERATOR TYPE: Small Quantity Generator − X Large Quantity Generator − Treatment, Storer, Disposal Facility − X

HANDLERS WITH CORRECTIVE ACTION ACTIVITY (CORRACTS)

CORRACTS EVENT CODE	CORRACTS DATE	CORRACTS EVENT DESCRIPTION
HQCA050	11/30/1985	RFA COMPLETED
HQCA050	09/22/1992	RFA COMPLETED
HQCA075LO	01/19/1994	CA PRIORITIZATION−LOW CA PRIORITY
HQCA070NO	07/19/1994	DETERMINATION OF NEED FOR A RFI−RFI IS NOT NECESSARY

NO CERCLIS SUPERFUND SITES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

BROWNFIELDS SITES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 3 **CE – W. 132ND ST. STATION** **Facility Id: V00547**
12TH AVE. BETWEEN W.131ST – W. 133RD STS. NEW YORK, NY 10027 TT–Id: 280A–0001–636

MAP LOCATION INFORMATION
Site location mapped by: MAP COORDINATE (1)
Approximate distance from property: 1731 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Brownfield Program: Voluntary Cleanup Program

Volunteer: CONSOLIDATED EDISON C

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
VOLUNTARY CLEANUP PROGRAM

SITE CODE: V00547
CLASSIFICATION CODE: C REGION: 2 DEC ID: 57536
CLASSIFICATION CODE DESCRIPTION:
Remediation Complete (formerly D2). Sites may still require some degree of site management associated with either operation, maintenance, and monitoring or with institutional/engineering controls (IC/ECs).

NAME OF SITE: CE – W. 132nd St. Station
STREET ADDRESS: 12th Ave. between W.131st – W. 133rd Sts. TOWN: New York City
CITY: New York ZIP: 10027 COUNTY: New York

ESTIMATED SIZE: 2.3 Acres
SITE TYPE: Dump- Structure- Lagoon- Landfill- Treatment Pond-

INSTITUTIONAL/ENGINEERING CONTROLS:
None reported

CROSS REFERENCES:
None reported

SITE OWNER/OPERATOR/REPOSITORY INFORMATION:
CURRENT OWNER(S):

NAME: NYC TRANSIT AUTHORITY Owner Type: Missing Code in Old Data
ADDRESS: 370 JAY ST.
BROOKLYN, NY 11201

NAME: VARIOUS - SEE PROGRAM FOLDER Owner Type: Missing Code in Old Data
ADDRESS:

OWNER(S) DURING DISPOSAL:

OPERATOR(S) DURING DISPOSAL:

APPLICANT REQUESTOR(S):
NAME: CONSOLIDATED EDISON CO OF NY.,INC. Applicant Type: Missing Code in Old Data
ADDRESS: 4 IRVING PLACE
NY, NY 10003

HAZARDOUS WASTE DISPOSAL PERIOD:

SITE DESCRIPTION:
The site is located on portions of two blocks bounded by West 131st Street, West 133rd Street, Broadway, and 12th Avenue in upper Manhattan. The surrounding area is highly urbanized. The site is the location of two former gas holders, the last of which was closed in 1962.

The Site Characterization Report has shown that no MGP related contamination is located on the site. The Department determined that no further action was necessary in a letter dated March 18, 2008.

Contaminated soil vapor was found under one of the buildings on the site, but it was determined that the contamination was not MGP-related and and issue was referred to the regional spills division.

CONFIRMED HAZARDOUS WASTE DISPOSED:
None reported

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:
The site characterization report has shown that no MGP-related contamination is found on the site. Therefore the Department has determined that no further action is necessary on the site.

ASSESSMENT OF HEALTH PROBLEMS:
No evidence of manufactured gas plant waste material was found at the site, therefore, no exposure to manufactured gas plant waste is expected. However, petroleum related contaminants and tetrachloroethene and trichloroethene are present in soil vapor. The potential exists for exposure to these contaminants through the soil vapor intrusion pathway in current and future buildings.

PROJECT COMPLETIONS:
Operable Unit 01 - Holder Station

PROJECT	DESCRIPTION	END DATE	STATUS
Site Characterization		03/18/2008	No Further Action

Map Identification Number 4 **FORMER SHELL SERVICE STATION AND PARKING GARAGE** **Facility Id: C231067**
225−237 ST. NICHOLAS AVENUE NEW YORK, NY 10027 TT−Id: 320A−0003−240

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (4)
Approximate distance from property: 2542 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Brownfield Program: Brownfield Cleanup Program

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
BROWNFIELD CLEANUP PROGRAM

SITE CODE: C231067
CLASSIFICATION CODE: A REGION: 2 DEC ID: 420721
CLASSIFICATION CODE DESCRIPTION:
Work is underway and not yet complete.

NAME OF SITE: Former Shell Service Station and Parking Garage
STREET ADDRESS: 225-237 St. Nicholas Avenue TOWN: New York City
CITY: New York ZIP: 10027 COUNTY: New York

ESTIMATED SIZE: 0.468 Acre

SITE TYPE: Dump- Structure- Lagoon- Landfill- Treatment Pond-

INSTITUTIONAL/ENGINEERING CONTROLS:
None reported

CROSS REFERENCES:

IDENTIFIER	SOURCE
0411345	Spill No.
0702470	Spill No.
1001594	Spill No.
8900371	Spill No.

SITE OWNER/OPERATOR/REPOSITORY INFORMATION:
CURRENT OWNER(S):
NAME: Ladera, LLC Owner Type: Corporate or Commercial
Hans Futterman
ADDRESS: 265 West 122nd street
Suite C
New York, NY 10027

NAME: NICHOLAS PARKING GARAGE GROUP, LLC
Gary Spindler
ADDRESS: 231 ST. NICHOLAS AVENUE
NEW YORK, NY 10027

Owner Type: Corporate or Commercial

OWNER(S) DURING DISPOSAL:

OPERATOR(S) DURING DISPOSAL:
NAME: NICHOLAS PARKING GROUP, LLC
Gary Spindler
ADDRESS: 231 ST. NICHOLAS AVENUE
NEW YORK, NY 10027

Operator Type: Corporate or Commercial

NAME: Ladera, LLC
Hans Futterman
ADDRESS: 265 West 122nd street
Suite C
New York, NY 10027

APPLICANT REQUESTOR(S):
NAME: Ladera, LLC
Hans Futterman
ADDRESS: 265 West 122nd street
Suite C
New York, NY 10027

DOCUMENT REPOSITORY(S):
NAME: New York Public Library
ADDRESS: Harlem Branch
9 West 124th Street
Manhattan, NY 10027-5699

HAZARDOUS WASTE DISPOSAL PERIOD:

SITE DESCRIPTION:
Location:
The Former Shell Service Station and Parking garage site is located in an urban area. The site is located on St. Nicholas Ave., between 121st Street (south) and 122nd Street (north) in the Borough of Manhattan.

Site Features:
The site currently contains an operating multi-story parking garage and a former gasoline service station with automobile repair facility. The site is comprised of two adjacent tax parcels (Lots 30 and 35) totaling approximately 0.468 acres.

Current Zoning and Land Use:

The site is zoned R8A/R7A (residential) with a C2-4 (commercial) overlay. Current use is commercial. Surrounding properties include a mix of multi-family residential and commercial/retail uses. The intended use is mixed-use residential and commercial with community facility space.

Past Use of the site:
Prior uses on Lot 30 include coal storage, a junkyard and the parking garage. On Lot 35, the former uses include a carriage factory, auto repair and the gas station.

Site Geology and Hydrogeology
Depth to groundwater is approximately 20 feet below ground surface. Groundwater flows to the north.

CONFIRMED HAZARDOUS WASTE DISPOSED:

TYPE	QUANTITY
XYLENE (MIXED)	UNKNOWN
1,1,2 TCA	UNKNOWN
indeno(1,2,3-cd)pyrene	UNKNOWN
SODIUM	UNKNOWN
BIS(2-ETHYLHEXYL)PHTHALATE	UNKNOWN
BENZO(B)FLUORANTHENE	UNKNOWN
LEAD	UNKNOWN
Chrysene	UNKNOWN
MANGANESE	UNKNOWN
IRON	UNKNOWN
TRICHLOROETHENE (TCE)	UNKNOWN
ACETONE	UNKNOWN
POLYCHLORINATED BIPHENYLS (PCB)	UNKNOWN
BENZ(A)ANTHRACENE	UNKNOWN
TETRACHLOROETHYLENE (PCE)	UNKNOWN
MERCURY	UNKNOWN
1,2,4-TRIMETHYLBENZENE	UNKNOWN
BENZO[K]FLUORANTHENE	UNKNOWN
BENZO(A)PYRENE	UNKNOWN
METHYLENE CHLORIDE	UNKNOWN

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:
Nature and Extent of Contamination:
Based upon the results of several investigations, contaminants of concern include volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), metals and polychlorinated biphenyls (PCBs). The contaminants of concern do not appear to be contributing to off-site environmental impacts that require additional investigation or remedial action.

Soil - Volatile organic compounds (VOCs) were found at concentrations exceeding the Unrestricted Use Soil Cleanup Objectives, including acetone at 0.056 ppm and methylene chloride at a concentration of 0.22 ppm. In addition, "Stoddard solvent" was identified at a concentration of 671 ppm. Semi-volatile organic compounds (SVOCs) have been found including benzo(a)anthracene at 2.3 ppm, benzo(a)pyrene at 2 ppm, and benzon(k)fluoranthene at 3.6 ppm Two metals were detected at concentrations exceeding their

respective UUSCOs: lead at 2980 ppm and mercury at 2.45 ppm.

Groundwater - The results from groundwater samples show detections of several VOCs above groundwater standards including 1,1,2-trichloroethane (2.9 ppb), 2-isopropyltoluene (9.1 ppb), total xylenes (25 ppb), tetramethylbenzene (43 ppb), 1,2,4-trimethylbenzene (11 ppb), isopropylbenzene (19 ppb) and n-propylbenzene (30 ppb). Several SVOCs were also detected above their respective groundwater standards, including benzo(a)anthracene at 0.07 ppb, benzo(b)fluoranthene at 0.09 ppb, benzo(k)fluoranthene at 0.03 ppb, chrysene at 0.07 ppb, and ideno(1,2,3)pyrene at 0.04 ppb. PCBs were detected in groundwater above standards at 2.2 ppb.

Soil Vapor - Elevated concentrations of several petroleum VOCs (including 1,2,4-trimethylbenzene at 26 ug/m3 and xylenes at 100 ug/m3) and chlorinated solvents (tetrachloroethylene at 112 ug/m3 and trichloroethene at 14.9 ug/m3) were found throughout the site. The investigation indicates that the presence of PCE in soil vapor can likely be attributed to an off-site source, due to the lack of PCE in on-site soil or groundwater.

Significant Threat:
NYSDEC and NYSDOH have determined that this site does not pose a significant threat to human health or the environment.

ASSESSMENT OF HEALTH PROBLEMS:
Persons who dig below the ground surface may come into contact with contaminants in subsurface soil. People are not drinking the contaminated groundwater because the area is served by a public water supply that is not affected by this contamination. Volatile organic compounds in the groundwater may move into the soil vapor (air spaces within the soil), which in turn may move into overlying buildings and affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air of buildings, is referred to as soil vapor intrusion. Because there are no occupied enclosed structures at the site, inhalation of site-related contaminants due to soil vapor intrusion does not represent a current concern. Sampling indicates that off-site soil vapor intrusion as a result of this site is not a concern for off-site buildings.

PROJECT COMPLETIONS:
Operable Unit 01 - Remedial Program

PROJECT	DESCRIPTION	END DATE	STATUS
Remedial Investigation		02/24/2014	Actual

Operable Unit 01A - Lot 35 UST Removal

PROJECT	DESCRIPTION	END DATE	STATUS
Remedial Action		01/10/2014	Actual

Map Identification Number 5 **FORMER SHELL SERVICE STATION AND PARKING GARAGE** **Facility Id: C231067**
225-237 ST. NICHOLAS AVENUE NEW YORK, NY 10027 TT-Id: 320A-0002-693

MAP LOCATION INFORMATION
Site location mapped by: MAP COORDINATE (1)
Approximate distance from property: 2598 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Brownfield Program: Brownfield Cleanup Program

See initial profile for 'FORMER SHELL SERVICE STATION AND PARKING GARAGE' above.

NO SOLID WASTE FACILITIES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

HAZARDOUS WASTE TREATMENT/STORAGE/DISPOSERS IDENTIFIED WITHIN THE 1/2 MILE SEARCH RADIUS

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 6 **ASHLAND CHEMICAL CORP** **Facility Id: NYD068212695**
609 WEST 131ST STREET NEW YORK, NY 10027 TT−Id: 460A−0000−217
EPA (RCRA) Name: ASHLAND INC
EPA (RCRA) Address: 609 W 131ST ST NEW YORK, NY 10027

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (3)
Approximate distance from property: 1488 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN Notification date: 01/08/2009 Part A notification date: 11/19/1980
Land Disposal: Receives offsite waste: Incinerator:
Storer: YES Treatment facility: Transporter:

Contact Name: HARVEY RUBENSTEIN	Source Type: Part A	Contact Phone: 212−368−1000	Contact Info Date: 11/19/1980
Contact Name: KARA LONG	Source Type: Annual/Biennial Report update with Notification	Contact Phone: 614−790−4641	Contact Info Date: 03/09/2010
Contact Name: KARA LONG	Source Type: Implementer	Contact Phone: 614−790−4641	Contact Info Date: 03/10/2010
Contact Name: KARA LONG	Source Type: Notification	Contact Phone: 614−790−4641	Contact Info Date: 01/08/2009
Contact Name: ROBERT BIRENBACH	Source Type: Annual/Biennial Report	Contact Phone: 212−368−1000	Contact Info Date: 03/13/1996

Historically listed as the following USEPA RCRA Generator Size(s) as well:
LARGE QUANTITY GENERATOR
SMALL QUANTITY GENERATOR

US EPA RCRA Violations:

Violation Type: Generators − General
Violation Number: 0001 Location: NY
Former Citation:
Responsible Agency: STATE
Violation Determination Date: 03/29/1984
Violation Return to Compliance: 09/11/1984

Violation Type: Generators − General
Violation Number: 0002 Location: NY
Former Citation:
Responsible Agency: STATE
Violation Determination Date: 03/25/1987
Violation Return to Compliance: 03/25/1987

U. S. Environmental Protection Agency (EPA) Resource Conservation and Recovery Information System (RCRIS) National Oversight Database
HANDLERS WITH CORRECTIVE ACTION ACTIVITY (CORRACTS)

CORRACTS EVENT CODE	CORRACTS DATE	CORRACTS EVENT DESCRIPTION
HQCA050	11/30/1985	RFA COMPLETED
HQCA050	09/22/1992	RFA COMPLETED
HQCA075LO	01/19/1994	CA PRIORITIZATION−LOW CA PRIORITY
HQCA070NO	07/19/1994	DETERMINATION OF NEED FOR A RFI−RFI IS NOT NECESSARY

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	HISTORIC MAXIMUM YEAR	HISTORIC MAXIMUM AMOUNT	HISTORIC MAXIMUM YEAR
NONE	No hazardous waste activity reported by NYS up to 2/25/2014.						

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
RCRA CORRECTIVE ACTION PROGRAM

SITE CODE: 231075
CLASSIFICATION CODE: PR REGION: 2 DEC ID: 447044
CLASSIFICATION CODE DESCRIPTION:
Potential RCRA Corrective Action

NAME OF SITE: Ashland Inc
STREET ADDRESS: 609 W 131st Street TOWN: New York City
CITY: New York ZIP: 10027 COUNTY: New York

ESTIMATED SIZE:
SITE TYPE: Dump- Structure- Lagoon- Landfill- Treatment Pond-

INSTITUTIONAL/ENGINEERING CONTROLS:
None reported

CROSS REFERENCES:

IDENTIFIER	SOURCE
nyd068212695	RCRA EPA ID No.

olin water serv Alternate Site Name

SITE OWNER/OPERATOR/REPOSITORY INFORMATION:
None reported

HAZARDOUS WASTE DISPOSAL PERIOD:

SITE DESCRIPTION:
A Site Characterization project will be initiated in the near future which will include a review of available information.

CONFIRMED HAZARDOUS WASTE DISPOSED:
None reported

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:
None provided

ASSESSMENT OF HEALTH PROBLEMS:
As information for this site becomes available, it will be reviewed by the NYSDOH to determine if site contamination presents public health exposure concerns.

PROJECT COMPLETIONS:
None reported

Map Identification Number 7 **CITY COLLEGE OF NY** **Facility Id: NYD981487226**

160 CONVENT AVENUE NEW YORK, NY 10031 TT−Id: 460A−0000−516

EPA (RCRA) Name: CITY UNIVERSITY OF NEW YORK − CITY COLLE
EPA (RCRA) Address: 160 CONVENT AVENUE CG−04 NEW YORK, NY 10031

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING − LARGE SITE
Approximate distance from property: 2095 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

US EPA RCRA Type: LARGE QUANTITY GENERATOR
Notification date: 05/22/1986
Land Disposal: Receives offsite waste: Incinerator:
Storer: Treatment facility: Transporter:

Contact Name: RICHARD BELGRAVE	Source Type: Annual/Biennial Report update with Notification	Contact Phone: 212−650−5085	Contact Info Date: 02/29/2012
Contact Name: RICHARD BELGRAVE	Source Type: Implementer	Contact Phone: 212−650−5080	Contact Info Date: 01/01/2007
Contact Name: DIANE TRAINOR	Source Type: Notification	Contact Phone: 212−690−8351	Contact Info Date: 05/22/1986
Contact Name: RICHARD BELGRAVE	Source Type: Annual/Biennial Report	Contact Phone: 212−650−5080	Contact Info Date: 02/29/2008

Historically listed as the following USEPA RCRA Generator Size(s) as well:
SMALL QUANTITY GENERATOR

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	HISTORIC MAXIMUM YEAR
More than one waste code was reported for the following waste amount:		52	POUNDS	TSD	2010		
D001	Solid waste that exhibits the characteristic of ignitability						
D002	Solid waste that exhibits the characteristic of corrosivity						
D007	Chromium						
D009	Mercury						

HAZARDOUS MATERIAL SPILLS INTRODUCTION

The Hazardous Material Spills in this section are divided into eight spill cause groupings. These include:

Active Spills Section: Spills with incomplete paperwork that may or may not be cleaned up (See Date Cleanup Ceased)

1) Tank Failures
2) Tank Test Failures
3) Unknown Spill Cause or Other Spill Cause Hazardous Spills
4) Miscellanous Spill Causes: Equipment Failure, Human Error, Tank Overfill, Deliberate Spill, Traffic Accidents, Housekeeping, Abandoned Drum, Vandalism and Storms.

Closed Status Spills Section: Spills with completed paperwork that may or may not be cleaned up (See Date Cleanup Ceased)

5) Tank Failures
6) Tank Test Failures
7) Unknown Spill Cause or Other Spill Cause Hazardous Spills
8) Miscellanous Spill Causes: Equipment Failure, Human Error, Tank Overfill, Deliberate Spill, Traffic Accidents, Housekeeping, Abandoned Drum, Vandalism and Storms.

All spills within each spill cause category are presented in order of proximity to the subject site address.

Please note that spills reported within 0.25 mile (or one−eighth mile in New York City) are mapped and profiled.

Between 0.25 mile (or one−eighth mile in New York City) and 0.5 mile, only the following spills are mapped and profiled:

* Tank Failures;

* Tank Test Failures;

* Unknown Spill Cause or Other Spill Cause;

* Spills greater than 100 units of quantity; and

* Spills reported in the NYSDEC Fall 1998 MTBE Survey.

A table at the end of each section presents a listing of reported Miscellanous Spills with less than 100 units located between 0.25 mile (or one−eighth mile in Manhattan) and 0.5 mile. These spills are neither mapped nor profiled.

NO ACTIVE TANK FAILURES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

ACTIVE TANK TEST FAILURES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

Please Note: * − Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 8 **APARTMENT BLDG − TTF** **Spill Number: 1207017** **Close Date:**
48 CONVENT ST MANHATTAN, NY TT−Id: 520A−0278−216

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 192 feet to the ESE*

ADDRESS CHANGE INFORMATION
Revised street: 48 CONVENT AVE
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING Spiller: CHRIS QUINTANA − APARTMENT BLDG Spiller Phone:
Notifier Type: Tank Tester Notifier Name: Notifier Phone:
Caller Name: Caller Agency: Caller Phone:
DEC Investigator: TJDEMEO Contact for more spill info: CHRIS QUINTANA Contact Person Phone: (347) 397−8298

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/16/2012		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	0	UNKNOWN	0	UNKNOWN	

Caller Remarks:

Above ground basement tank failed test. Repair and retest to be done.

DEC Investigator Remarks:

12/19/12 AFRischeisen
TTF sent and upped to eDocs

Map Identification Number 9 **FORMER WOLF−AMOCO STATION / COLUMBIA UNIVERSITY** **Spill Number: 9604890** **Close Date:**
3225 BROADWAY MANHATTAN, NY TT−Id: 520A−0094−501

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1286 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION
Notifier Type: Tank Tester
Caller Name: JERRY KASPAR
DEC Investigator: SKCARLSO

Spiller: WOLF PETROLEUM − AMOCO
Notifier Name: KEVIN SCHMITT
Caller Agency: CROMPCO CORP
Contact for more spill info: WOLF PETROLEUM

Spiller Phone: (516) 997−9300
Notifier Phone:
Caller Phone: (800) 646−3161
Contact Person Phone: (516) 997−9300

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/15/1996		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
	550	USTest 2000/P/LL plus USTest 2000/U	0.00	FAIL
The following tank was deleted from the reported data. Data reflects last reported information.				
	550	USTest 2000/P/LL plus USTest 2000/U	0.00	GROSS LEAK RATE

Caller Remarks:

12 550 gallon tanks that are manifolded together failed tank test

DEC Investigator Remarks:

3/14/03 REASSIGNED FROM TIBBE TO VOUGHT.

12/5/03−Vought−See also closed Spill #0200338 at same location.
1/8/04 Reassigned from Vought to K Foley.

2/25/04 File review(KMF):
13X550gal gasoline, 1X550gal waste oil, 1X550gal fuel oil USTs documented as closed in closure report submitted by National Environmental 12/10/96. A total of six samples were taken in three excavations and tested for VOC/SVOCs. All samples were composites and returned below STARs guidelines. VOCs were non detect. SVOCs had minor hits. Compositing VOC samples is unacceptable and soil borings should be completed. No groundwater samples were taken.

9/29/04 Met with B. Cohen(Certilman Balin Attorneys), B. Beck(Consultant, National Env.) with J. Rommel and L. Oliva. B. Beck proposes to do three Geoprobe borings, one in each source area. Report to be submitted by 1/8/05.

2/9/05 Received Groundwater Sampling and Investigation Report prepared by National Environmental. Three Georpobes were drilled adjacent to the suspected source area in the vicinity of the existing USTs. Soil samples were collected from 10−14'bgs, the elevation of the bottom of the existing tanks. All samples were stained and exhibited odor. Soil concentrations were very high for VOCs in all three borings. Groundwater was encountered at 28'bgs and is suspected to flow toward the Hudson River, south and west. Total BTEX in GW ranged from 15758ppb(B−2) to 142952ppb(B−1). MTBE in GW ranged from ND(B−2, B−3) to 3169ppb(B−1). Bedrock is anticipated at 50−60'bgs.

National proposing five permanent monitoring wells, two upgradient and three downgradient. Proposing sampling only for VOCs since napthalene was the only SVOC detected above TAGM RSCOs and GWQS.

2/9/05 Issued letter approving five well locations and requiring two additional borings within the waste oil and heating oil tank areas(as previously agreed upon during 9/29/04 meeting). Also requesting fill port locations and additional sampling location if appropriate. Summary report due 5/15/05.

2/2/06: Case reassigned to Andersen. Sent Bruce Beck an email asking for update on work required in 2/9/06 letter and status of overdue report.

2/3/06: Sent letter to Cary Wolf asking for update on work required in 2/9/06 letter and status of overdue report.

3/13/06: Received letter from Bruce Beck stating that they are currently soliciting quotes for drilling.

5/19/06: Consent order meeting with Wolf scheduled for June 2 at 11am.

6/8/06: Meeting with NYSDEC, Barry Cohen (Wolf's attorney's) and Bruce Beck (Wolf's consultant) regarding the consent order. Barry Cohen noted that this site was condemned by the city to build a medical center for Columbia University.

7/10/06: Emailed Bruce Beck to set up a meeting to discuss deliverables required for consent order.

8/2/06: Meeting on 7/25/06 to discuss deliverables with Bruce Beck. This site is currently owned by Columbia University.

11/28/06: Site taken out of Wolf Consent Order. Remediation will be handled by Columbia University.

12/11/06: Left voice message with Barry Cohen to get contact at Columbia University.

12/18/06: Emailed Barry Cohen to get contact information for Columbia University.

1/2/07: Sent stipulation agreement to Columbia University, due back 2/2/07.

2/1/07: Received call from Russell Salman (312−902−5390). A workplan for redevelopment will be submitted today. Stipulation agreement will be discussed following approval of the workplan.

2/1/07: Spoke to Richard Leland of Kramer & Levin (office 212 715 8087, cell 917 539 0000, email rleland@kramerlevin.com). He is the new attorney for Columbia University. He requested to have a meeting next week to discuss this site.

2/6/07: Meeting scheduled with Toni Finger (212−715−9239) and Richard Leland of Kramer & Levin on 2/13/07 at 10am.

2/13/07: Met with Toni Finger of Kramer and Levin, and Arnold Fleming of Fleming Lee Shue, both representing Columbia. The Department will issue another stip to Columbia University for remediation of this site.

3/5/07: Issued another stip.

3/14/07: Received and approved alterations to the Corrective Action Plan to account for receipt and review of a FOIA request.

3/29/07: A one week extension was granted to sign the stipulation agreement.

4/17/07: Received executed stip. Effective date 4/16/07.

5/2/07: Left voice message for Arnold Fleming to discuss plan for this site.

5/11/07: Followed up on the FOIL request − it hasn't been processed yet.

5/16/07: Spoke to Arny Fleming. The FOIL request was received, an investigation will be scheduled.

6/14/07: Spoke to Toni Finger and consultant. Existing wells are dry and may be tank wells. Geoprobe work may be done. Extension through 7/16/07.

7/11/07: Approved workplan for installation of 8 soil borings. Deadline extended to 7/30/07.

7/12/07: Received email from Mary Manto:"This e−mail will confirm our discussion earlier this afternoon.
The geoprobe borings will be installed at the locations referenced in
your approval letter dated 7/10/07. However, in accordance with Item 1
of the Corrective Action Plan attached to the 3/5/07 Stipulation
Agreement, the focus of this initial geoprobe investigation is the
determination of the presence of free product in the groundwater on the
property. Each boring will be installed to groundwater depth
(approximately 30 feet bg) and the 2−foot interval directly above the
groundwater will be examined to determine the presence of free product.
PID screening will be conducted along the entire length of the boring.
No additional soil or groundwater delineation will be performed as part

of this initial task. As we discussed, hand−digging is required to 6
feet at each boring location. This work will be done on 7/12−13. The
borings will be installed on 7/16−17. Mary S. Manto, Project Director
Fleming−Lee Shue, Inc.
158 West 29th Street, 9th Floor
New York, NY 10001".

7/13/07: Received email from Mary Manto: "Per my earlier e−mail, we need to clear the on−site
locations to 6' by hand digging. The driller was able to hand dig only
one location yesterday and will not be back on the site until Monday.
Right now, we are assuming that it will be Wednesday of next week before
we can start installing the borings. "

7/23/07: Received email from Mary Manto:"we have just finished the hand digging for the geoprobe locations on the above property. Although we encountered significant amounts of subsurface debris, piping, etc., we were able to clear locations within several feet of the original locations. We are scheduled to start installing the borings on 7/23−24."

7/30/07: Spoke to Toni Finger. Product was discovered. Requested a meeting to discuss investigation workplan. She will submit potential meeting times by email.

7/31/07: Meeting scheduled for 8/6/07 at 3pm to discuss workplan.

8/6/07: Meeting with Mary Manto (Fleming Lee Shue), Patrick Narea (Fleming Lee Shue), Toni Finger, Stephen Munier (Gorton Associates), and DEC Carlson and Sun. Site will be excavated down to 70 ft during Columbia redevelopment. A workplan for additional delineation, well installation, and boring logs from initial borings will be submitted in 30 days − September 6, 2007.

Received email from Toni Finger:"I write to confirm our conversation whereby it was agreed that Columbia would have until September 6, 2007 to submit an investigation work plan to DEC for the above−referenced matter."

9/7/07: Reviewed ISR workplan. Six wells will be installed. Report due within 90 days of initiation of access. Workplan approved.

9/28/07: Received email from Mary Manto:" this is to notify you that the work described in the /Phase II Environmental Site Investigation Work Plan/ for the above site is
scheduled to start on Tuesday, 10/2/07. We will notify you of any changes in schedule. Please give us a call if you have any questions.
Regards, Mary"

Mary S. Manto, Project Director
Fleming−Lee Shue, Inc.
158 West 29th Street, 9th Floor
New York, NY 10001
212−675−3225
212−675−3224 (fax)
914−473−4297 (mobile)

mary@flemingleeshue.com

3/10/08: Reviewed Investigation Report. Six monitoring wells installed. Impacted groundwater found in all wells. Soil impact above TAGM standards found in MW3. Spoke with Mary Manto regarding lack of well gauging data. Received email with gauging data. Report approved. A remedial action plan is required within 60 days, as per Stipulation Agreement.

3/26/08: Received phone call from Mary Manto. She requested that a meeting be held to discuss remedial options at this site.

4/8/08: Meeting with Columbia University (Whitfield Chandler), Mary Manto (Fleming Lee Shue), Karen Mintzer (Kramer Levin), Joel Landes (Langan). RAP submission deadline extended to June 10.

5/21/08: Received RAP. Requested borings logs be submitted.

5/22/08: Received revised RAP with Appendix E added with boring logs.

5/28/08: Reviewed Remedial Action Plan. The RAP indicates that the site will be excavation to 48 − 70 ft bg. A slurry wall will be installed at the property boundary, extending 90 − 145 ft bg. Additionally, a trench 20 ft wide by 20 ft deep will be installed in the streets adjacent to the property in order to relocate the sewer line. The RAP proposes monitoring the existing well network quarterly until the site is excavation. The RAP proposes collecting three endpoint samples in the sewer relocation area, and installing three temporary monitoring wells between the slurry wall and sewer relocation area. Limited subsurface investigations were performed in preparation for the slurry wall and sewer relocation excavations. These investigations noted off−site soil and groundwater impact. Sent letter requiring a revised RAP with : 1) revision to tables 1a and 1b to include sampling depth, 2) collection of on−site endpoint samples as per DER10, 3) submission of a more detailed CAMP, 4) additional off−site soil and gw delineation.

6/3/08 − Carlson: Received phone call from Smita Day (sday@langan.com) requesting approval to submit an RAP Addendum instead of a revised RAP. Sent email to Smita Day stating that the Department will accept submission of an RAP Addendum instead of a revised RAP.

7/2/08 − Carlson: Emailed Smita Day to followup on RAP Addendum submittal date. Received phone call from Smita Day. RAP Addendum will be submitted on 7/7/08.

7/21/08 − Carlson: Reviewed RAP Addendum. Borings will be completed instead of endpoint samples. A draft CAMP was included, a final copy is required before excavation is begun. An Off−site delineation workplan is required.

8/4/08 − Carlson: Reviewed CAMP. Six air monitoring stations surround entire block and a meteorological system were proposed. VOCs and particulates will be monitored as per NYSDOH standards. Sent letter requiring revised CAMP. Additional air monitoring stations to the SE of the site, and additional notification procedures are required.

8/13/08 − Carlson: Approved CAMP Addendum. Four Air Monitoring Stations (AMS) were proposed. Sent letter requesting one of the AMS be moved closer to the site, and requesting the AMS be kept in place permanently instead of only for the duration of the utility excavation.

8/18/08 − Carlson: Spoke to Joel Landes. AMS will be shifted to follow utility excavation. The background stations will not be

kept in place for the duration of work at the site. Another site plan will be submitted for AMS locations during excavation of the site.

8/25/08 − Carlson: Site visit conducted on 8/21/08. Utility excavation is being conducted at night. Met with Ramesh Raman and Gregory Lempin (gl2309@columbia.edu) of Columbia University and Doane Edward Cafferty of Langan.

Received email from Gregory Lempin of Columbia with utility excavation schedule. Completion schedule is 5.5 years.

9/8/08 − Carlson: Received CAMP Addendum response letter from Langan.

12/3/08 − Carlson: Received email from Smita Day of Langan:"As requested in your letter dated August 4, 2008, the following is a summary of the air monitoring conducted during utility relocation work along Broadway between West 129th Street and West 130th Street, in the vicinity of 3225 Broadway ("Site"). On August 11 and 12, and between August 18 through October 31, 2008, Langan provided continuous, real−time air monitoring during the utility relocation excavation and remediation activities in accordance with the commitments agreed upon in Community Air Monitoring Plans submitted for the Site. Both air monitoring stations (see attached figure for locations) are equipped with a photoionization detector (PID) to monitor and measure total volatile organic compounds (VOC) and a particulate meter to monitor and measure particulates with a diameter less than or equal to 10 micrometers (PM10). Concentrations of VOCs and PM10 were not observed at levels exceeding the background VOC and PM10 thresholds."

12/8/08 − Carlson: Spoke to Smita Day. The waste oil AST was removed. The USTs are in place. The station is not operational anymore.

5/27/09 − Carlson: Left phone message for Smita Day to followup on site redevelopment.

5/28/09 − Carlson: Received phone call, quarterly sampling was completed, update report and off−site delineation workplan will be submitted. They plan on closing tanks at the end of the year.

6/3/09: DEC Regional Direction received an inquiry from mayor’s office.

6/5/09 − Carlson: Received email from Tarek Khouri , work plan and quarterly report will be submitted in two weeks.

6/12/09 − Carlson: Tank removal scheduled to start Monday 6/15.

6/16/09 − Carlson: Witnessed tank removal.

7/2/09 − Carlson: Received off−site delineation workplan and quarterly monitoring report, mark wants a third well, sent email − revised workplan due in 30 days.

7/13/09 − Carlson: Received email from Tarek Kouri discussing previous sampling that was completed off−site. Replied with a question regarding one of the documents.

7/21/09: DEC Tibbe spoke to Tarek Kouri. A revised site plan with three well locations was submitted.

8/5/09 − Carlson: Issued letter approving revised off−site delineation workplan.

11/18/09 − Carlson: Reviewed investigation report and quarterly report. Upgradient well MW9 may have upgradient source. Spoke to DEC Rahman about upgradient spills 0903767 (closed) and 0713473 (open), he will review report and get back to me. All spills owned by Columbia and will be redeveloped.

2/12/10 − Carlson: Received emails from John Gavras on 2/8 and 2/9. Utility relocation work has begun. Soil stockpiled for disposal. Water main installation scheduled for early March. Emailed john gavras − when is water main installation scheduled to begin?

2/16/2010 − Carlson: Received email from John Gavras. Water main trench is at a final depth of 11 ft. Sewer main trenching will begin in early March.

2/24/2010 − Carlson: Met with John Gavras on−site. Saw utility trench excavation to 10 ft. Endpoint samples will be collected from combined sewer trench excavation to begin in a couple weeks.

3/2/2010 − Carlson: Sent email requiring endpoint samples be collected in both utility trenches. Soil should be sampled before it is used as backfill.

3/9/2010 − Carlson: Spoke to John Gavras. Water main has been installed in trench already, trench bottom is no longer accessible. He wants to test backfill by waste characterization sampling.

3/10/10 − Carlson: Contacted Sam Arakhan at Solid Waste Division, he said waste characterization sampling is for soil disposal, soil to be reused must be sampled by EPA Method 8260/8270.

3/17/2010 − Carlson: Received email from John Gavras, he spoke to Sam Arakhan and the soil to be reused can be tested for hazardous waste classification parameters. Sent email response, test for hazardous waste classification parameters as per solid waste division’s direction.

4/9/2010 − Carlson: Reviewed Update Report. Wells sampled on 12/22/2009. No LNAPL present. Max BTEX concentration 73,026 ppb (MW2), maximum MTBE concentration 802 ppb (MW2). Dissolved concentrations in upgradient wells.

6/15/2010 − Carlson: Phone conversation with John Gavras. CAMP will be modified to include mobile monitoring stations in the work zone. He will send a letter.

6/23/10 − Carlson: Spoke to John Gavras. Hand clearing has begun in trench area, piles will be driven next week.

7/14/2010 − Carlson: Reviewed June 2010 update report. Wells sampled 3/4/2010.

8/6/2010 − Carlson: Reviewed air monitoring station location plan with CAMP modification to use mobile air monitoring stations instead of fixed locations. Issued approval letter.

Columbia University Contact: Keith Pettey (kp2307@columbia.edu)

9/22/2010 − Carlson: Spoke to Ryan Manderbach. Excavation in progress. The first utility trench endpoint was collected.

Groundwater sampling to be performed tomorrow. One of the wells was damaged − will be inspected tomorrow.

10/27/2010 − Breen: Langan's Ilkay Cam−Spanos sent in via e−mail Utility relocation trench and endpoint sample location map. see e−docs.

11/16/2010 − Breen: Received Quarterly G/W Monitoring Report on CD from Langan (2Q − 2010). This is the sixth and last Quarterly. Pre−construction excavation of the area is to begin in December 2010. The wells are to be abandoned. After the mass excavation Langan will submit a spill closure report. This final Quarterly monitoring found no free product, but selected exceedances of G/W Stds for dissolved in all wells except wells 8 and 9. See edocs for selected summary pages. See CD for full report.

12/1/2010 − Breen: Ryan called to follow up on his Quarterly Monitoring report and to make sure DEC was comfortable with the wells being abandoned due to construction.

12/8/2010 − Breen: Langan's Ilkay Cam−Spanos sent in via e−mail Utility relocation trench and endpoint sample location map with comments on activities. 39 truck loads of impacted soil was found between 7 and 20 bgs. see e−docs.

12/16/2010 − Breen: Langan sent in weekly progress report. see e−docs for e−mail and for sketch/drawing.

11/23/11 − Carlson: Spoke to Ryan Manderbach − site had been excavated to 10−15 ft. Slurry walls are being installed. Site will then be excavated to 18 ft and a slab will be installed. Excavation will then be completed below the slab to 55 ft. Excavation to 18 ft will commence in approximately 6 months.

3/6/2013 − Carlson: Visited site. Site is being excavated and redeveloped. Excavation and redevelopment is by top−down method. The first floor slab was poured and excavation is being conducted below the slab. Most of the impacted soil was removed already. They are using foam as they excavate. A slurry was was poured along the property boundary.

11/6/2013 − Carlson: Spoke to Ryan Manderbach (212−479−5582), they found a geotechnical well during excavation (site was excavated to 60 ft below grade, well probably extends to bedrock). Well to be decommissioned by pressure grouting in order to ensure stability of new structure. borings outside slurry wall to be installed in a couple months. endpoint samples from excavation were all ND. closure report to be submitted after borins outside slurry wall are installed.

3/21/14 − Carlson: Spoke to Ryan Manderback. Report for on−site excavation will be submitted to OER and DEC in May 2014. Off−site borings have not been completed yet. Results of off−site borings to be submitted in a separate report.

Map Identification Number 10 **APT COMPLEX TTF** **Spill Number: 1300996** **Close Date:**
80 LASALLE ST NEW YORK CITY, NY TT−Id: 520A−0290−715

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (3)
Approximate distance from property: 1595 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: 80 LA SALLE ST
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL Spiller: TANK TEST FAILURE Spiller Phone:
Notifier Type: Other Notifier Name: Notifier Phone:
Caller Name: Caller Agency: Caller Phone:
DEC Investigator: TJDEMEO Contact for more spill info: GIL MELENDEZ Contact Person Phone: (212) 865−3631

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/29/2013		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	UNKNOWN	0	UNKNOWN	

Caller Remarks:

repair/retest pending

DEC Investigator Remarks:

Sangesland called Mark at PTC − He said they were working on repairs and retesting.

Map Identification Number 11 **TTF − APARTMENT BLDG** **Spill Number: 1304829** **Close Date:**
285 ST NICHOLAS AVE MANHATTAN, NY TT−Id: 520A−0290−717

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1691 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: 285 SAINT NICHOLAS AVE
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING Spiller: ROB HILL − APARTMENT BLDG Spiller Phone:
Notifier Type: Tank Tester Notifier Name: Notifier Phone:
Caller Name: Caller Agency: Caller Phone:
DEC Investigator: RMPIPER Contact for more spill info: ROB HILL Contact Person Phone: (347) 589−0005

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/02/2013		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	0	UNKNOWN	0	UNKNOWN	

Caller Remarks:

Failed test. Isolation test being scheduled.

DEC Investigator Remarks:

8/5/13 TJD
TTF letter prepared for project manager's signature (Piper). PBS #2−259837.
Letter addressed to:

Maloof & Ellis Management
2460 Lemoine Avenue
3rd Floor
Fort Lee, NJ 07024

Attention: Greg Maloof
(201)363−1482

unsigned letter uploaded to EDOCS

Map Identification Number 12 **APT BLD 203 − TTF** **Spill Number: 1205843** **Close Date:**
203 WEST 131ST ST NEW YORK (MANHATTAN), NY TT−Id: 520A−0278−029

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2312 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	PRIVATE DWELLING	Spiller:	STEVE SPADARO − APT BLD 203	Spiller Phone:	
Notifier Type:	Tank Tester	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	TJDEMEO	Contact for more spill info:	STEVE SPADARO	Contact Person Phone:	845476−2475

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/12/2012		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	UNKNOWN	0	UNKNOWN	

Caller Remarks:

ABOVE GROUND INCASED IN CONCRETE, TANK TEST FAILURE, REPAIR AND RETEST PLANNED

DEC Investigator Remarks:

9/21/12 TJD
TTF letter sent (on E−DOCS) and e−mailed (parsonsd@hpd.nyc.gov).

12/19/12 AFrischeisen intern
TTF resent as hard copy and reupped to eDocs.

ACTIVE UNKNOWN CAUSE SPILLS AND OTHER CAUSE SPILLS IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

Please Note: * − Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 13 **MANHATTANVILLE HOUSING −NYCHA** **Spill Number: 0006409** **Close Date:**
1430 AMSTERDAM AVENUE NEW YORK CITY, NY TT−Id: 520A−0094−510

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING − LARGE SITE
Approximate distance from property: 709 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 10027

Source of Spill:	UNKNOWN	Spiller:	UNKNOWN − UNKNOWN	Spiller Phone:	
Notifier Type:	Federal Government	Notifier Name:	FRANK INOA	Notifier Phone:	
Caller Name:	CHERELLE MAYFIELD	Caller Agency:	DEP	Caller Phone:	(718) 595−6777
DEC Investigator:	jkkann	Contact for more spill info:	FRANK IONA	Contact Person Phone:	(718) 707−5718

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/30/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

caller reporting a spill of material from unk source no clean up has been done and no callback necessary

DEC Investigator Remarks:

11/09/05: This spill transferred from J.Kolleeny to S.Kraszewski.

12/28/05: Caller remarks mentions contamination but doesn't say how it was discovered, but 2 days later the new USTs were installed at this site. It would seem that the unknown origin of the contamination was discovered during excavation. If so, spill #9004122 could be consolidated. − SK

01/26/06: Frank Inoa emailed me acknowledging that the contamination encountered was from the tank removal. − SK

9/22/06: Spill transferred from Kraszewski to Kann.

8/15/09: J.Kann − Reviewed Site Assessment report dated May 2009 and prepared by Langan. Free product remains in three wells, fingerprint inconclusive, but likely weathered No. 6 oil. System will continue to operate for a year and which time we can reevaluate. Quarterly monitoring will be performed.

9/21/10: J.Kann − Quarterly Report recieved on 9/1/10.

5/11/12: J.Kann − Quarterly Report recieved on 5/9/12.

9/6/12: J.kann − quarterly report received on 8/21/12.

1/18/13: J.Kann − 11/9/12 QR rcvd 1/16/13

Map Identification Number 14 **MANHOLE 62577** **Spill Number: 1305351** **Close Date:**
BROADWAY NORTH WEST 130 STREET MANHATTAN, NY TT−Id: 520A−0293−406

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1152 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: BROADWAY / W 130TH ST
Revised zip code: NO CHANGE

Source of Spill:	INSTITUTIONAL, EDUC, GOV, OTHER	Spiller:	ERT − CONED	Spiller Phone:	
Notifier Type:	Other	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	Con Ed Unassigned	Contact for more spill info:	ERT	Contact Person Phone:	(212) 580−6763

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/16/2013		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN MATERIAL	OTHER	0	UNKNOWN	0	UNKNOWN	

Caller Remarks:

Spill is contained to the manhole. Cleanup pending test results.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 15 **SIDEWALK** **Spill Number: 0713473** **Close Date:**
3249 BROADWAY MANHATTAN, NY TT−Id: 520A−0214−809

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1303 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL Spiller: BORIS GOODMAN − COLUMBIA UNIVERSITY Spiller Phone:
Notifier Type: Other Notifier Name: Notifier Phone:
Caller Name: Caller Agency: Caller Phone:
DEC Investigator: SFRAHMAN Contact for more spill info: BORIS GOODMAN Contact Person Phone: (212) 851−7034

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
03/20/2008		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
HYDRAULIC OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

Historical hydraulic oil contamination (10 yrs. ago)... may have impacted groundwater. This property is currenty owned by Columbia University... material is under the sidewalk. Historical spill #9904142 The whole area will be excavated 70ft down ... Langan will oversee the clean up.

DEC Investigator Remarks:

contamination found in one boring, sheen in GW.Location is 131st Street and Broadway.
Site is "E' designated.More borings will be done.(sr)

10/29/09− DECPiper− Surface spill adjacent ot this site was generated and closed 0903767. In June 2008, additional investigation of this spill 0713473 disovered pet odor in boring on lot 6. 8 550 gal tanks have been removed from lot 6 thus far. The site is

going to be excavated to 45−60 fet bgs for project. Residual product remoains under lot 6.

12/15/09 The site is part of Columbia University's proposed Manhattanville Development Project.The proposed project area comprises approx. 17 acres.Project area bounded to the north by West 133rd Street,to the south by west 125th/w 129th st, to the east by Broadway and to the west by 12th Avenue.Development activities within the project area will include infrastructure improvements,building demolition, construction of a slurry wall, and excavation of soil for below−grade construction. The project area will be excavated to an average of approx 45 to 60 ft below ground surface.In March 2008, during Langan's subsurface investigation work near 3249 B'way, staining and petroleum odor were observed in soil boring SWT−B11/SWTMW11 at approx.32ft bgs about 6ft east of the property boundary.In June 2008, subsurface investigation activities resumed in different parts of the Project and it included site 6. During drilling activities in the basement of building on site 6(block 1996, lot no 36), staining/odor and high PID reading in soil boring FA−B103 was observed.A MW was installed at the same location in the building basement,but no free product or sheen observed on the GW surface.Spill no 0903767(now closed)was associated with few USTs found at site 6. The site is under several Restrictive Declarations(RD)generated by the NYC Dept. of City Planning pursuant to their review of the Final Environmental Impact Statement, Remedial Action Plan and CHSP for the project.(sr)

01/19/10 Tank closure report in edocs.Correct PBS No 2−611189.(sr)

Map Identification Number 16 **COLUMBIA UNIVERSITY** **Spill Number: 0506154** **Close Date:**
615 WEST 131ST STREET LLC NEW YORK CITY, NY TT−Id: 520A−0094−522

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1634 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: 615 W 131ST ST
Revised zip code: NO CHANGE

Source of Spill:	UNKNOWN	Spiller:	JOHN VASAPOLLO − JOHN VASAPOLLO	Spiller Phone:	(718) 482−0700 ext. 1
Notifier Type:	Other	Notifier Name:	TARAK KHOURI	Notifier Phone:	(212) 479−5450
Caller Name:	TARAK KHOURI	Caller Agency:	CONSULTANT	Caller Phone:	(212) 479−5450
DEC Investigator:	rmpiper	Contact for more spill info:	JOHN VASAPOLLO	Contact Person Phone:	(718) 482−0700 ext. 1

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/18/2005		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN MATERIAL	OTHER	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

FOUND A SHEEN IN THE SOIL DURING A PHASE TWO TEST, THE SHEEN IS 8 − 10 FEET DEEP IN THE GROPUND. SOIL; SAMPLES WERE TAKEN.

DEC Investigator Remarks:

8/18/05 − Raphael Ketani. I spoke to the consultant today, Mr. Tarak Khouri. He told me that they are doing borings in the basement of an intact building. The last boring will be on 8/19. The building is at Columbia University, though he didn't specify that Columbia owned the building. They are boring to 20ft. A sheen was seen in the moist soil, but there are no USTs or ASTs in the basement. A phase 1 investigation revealed that this was a former Con Ed mgp site. Soil samples were sent to Spectrum Analytical, a DOH certified lab, for full soil analysis. The soils have a petroleum odor (high PID readings). After the investigation, the building will be demolished and all soils will be shipped via a hazardous waste transporter. The soil will be excavated down to 15 feet. A soil analytical report will be sent to Jeff Vought of the Spills unit.

8/19/05 − Raphael Ketani. I left a message for John Vasapollo (718) 482−0700 ext. 132 to call me back, regarding who the actual owners are and their address, on his voice mail.

4/1/06−Vought−Received message from Ilkay Cam (Langan 212−479−5410 fax 212−479−5444). Six tanks were found and removed and endpoint samples were collected. Vought called Ilkay Cam and left message to return call to DEC. Vought received call from and spoke to Cam and concrete slab under tanks. Slab and tanks were in good condition. No bottom endpoint samples were collected as concrete slab and no staining on slab. Tanks were removed because Columbia is going to install a new elevator shaft. During excavation for shaft, tanks were discovered. Tanks were 550−gallon gasoline USTs. PBS registration was submitted and five endpoint samples were collected. No VOC exceedences in samples and SVOC exceedences in PAHs. Excavation difficult to extend due to existence of piers. One fill line coming from street and fill line was filled with concrete. DEC will receive complete report. RP address will be sent in and Langan and site contact is:

John Vassapollo soil contamination letter will be sent with additional requirements of: 1)endpoint soil sampling 2)delineation of soil and groundwater contamination. Vought received email from
615 W 131st Street
c/o First Pioneer Properties, Inc.
34−09 Queens Boulevard
Long Island City, NY 11101.

4/4/06−Vought−Sent soil contamination letter with above requirements.

05/15/06−Vought−Received call from John Vassapollo (718−482−0700x132 917−838−0118) and returned call and left message to return call to DEC. Vought received call and spoke to Vassapollo and delivery of number 4 to site and tank was overfilled. Spill into boiler room. No sewers or drains affected. Spill was on concrete. Boiler room is on north side of building and tanks referred to above are on south side of building. Columbia is tenant and John is the building manager and Columbia will be handling elevator shaft remediation but Vassapollo requested CC'd on DEC correspondence.

05/17/06−Vought−Spill transferred from DEC Vought to DEC Piper as per DEC Austin.

08/11/06−Vought−Received call from Vassapollo who requested no further action on north side of spill. (Tanks referred to above in

previous comments are located on the south side of site that require further action). No further action on north side of site required by DEC Vought due to spill on concrete and no impact to subsurface. Further action on south side of site will be handled by DEC Piper via Langan Engineering.

9/13/06− DEC Piper spoke w/ Ilkay at Langan Engineers. AS per conversation, a toral of seven tanks have been removed. Closure report is under review and will be submitted shortly.

Map Identification Number 17 **SKYLINE WINDOWS** **Spill Number: 0304592** **Close Date:**
625 WEST 130TH ST MANHATTAN, NY TT−Id: 520A−0099−490

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1665 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:		Spiller Phone:	
Notifier Type:	Other	Notifier Name:		Notifier Phone:	
Caller Name:	MICHAEL MORRIS	Caller Agency:	ATC ASSOC	Caller Phone:	(212) 353−8280
DEC Investigator:	JMOCONNE	Contact for more spill info:	MICHAEL MORRIS	Contact Person Phone:	(212) 353−8280

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/31/2003		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	0	GALLONS	0	GALLONS	GROUNDWATER
The following material was dropped or revised by the NYS DEC. Call Toxics Targeting for more information						
OTHER PETROLEUM	UNKNOWN	0	GALLONS	0	GALLONS	

Caller Remarks:

RECV RESULTS FROM A RELEASE − SHOWS ELEVATED VOLOTABLE ORGANICS

IN GROUND WATER AND SOIL

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIPPLE"
9/11/03 TIPPLE UPDATING// CALL FROM ATTORNEY//WANTS TO GET CLEANUP GOING//ATC TO DO WORK// WILL CONTACT DEC & PRESENT DATA TO DATE OLD TANKS EITHER UNDER BUILDING OR BELOW PARKING LOT.

FRED UMANE ATTORNEY WORKING FOR −− ZEICHNER ELLMAN AND KRAUSE

575 LEX AVE −−212−826−3509

6/29/04 tIPPLE UPDATING//ATC has not done any work since proposal to PRP. Attorney does not answer phone// sent letter to PRP.

10/28/05 − ATC conducted a site investigation, installed 4 wells, sampled the GW and found some contamination. They think it is from an off−site source. Will send in the report to DEC for review. − KST

11/4/05 − assigned to Jon Kolleeny for PM assignment. Sent an email to ATC requesting a hardcopy of teh report for review. − KST

11/4/05− The case is reassigned to I. Islam.

11/8/05− Today received from Koon the hard copy of the RI and Exposure assessment (combined) for the site prepared by ATC Assoc. for review.− II

12/14/05− Reviewed the above−mentioned RI and Exposure Assessment report submitted by ATC Inc. ATC argues that the contamination may be coming from an off−site source, and that the contamination does not pose an exposure hazard. Accordingly, they request closure of the spill.

The Department responds as follow: The spill case cannot be closed at this time. The high levels of soil and groundwater contamination identified beneath the basement are suggesting of an on−site source.

The Department requests the following actions:

1. Additional monitoring wells should be installed and soil and groundwater samples collected to more completely delineate the area of contamination, and better determine the groundwater flow direction.

2. Indoor air sampling should be performed in the basement, and sub−slab soil gas samples should be collected to evaluate potential vapor impacts to the site.

The RP is told by a letter with a copy to ATC Inc. to submit a work plan for additional investigation of soil and groundwater, indoor air and sub−slab soil gas sampling for Departmental review and approval. The results of these investigative activities should be summarized in a report with a remedial proposal to address site conditions.− II

07/31/06: Transferred to S.Kraszewski. − SK

10/18/06: Changed DEC Lead from "Needs Reassign" to "Stephen Kraszewski." − JK
−−−

11/09/06: Reassigned from Stephen Kraszewski to Chanda.(Chanda)

12/11/06:Kartik Chanda of DEC sent a letter to the property owner(Steven Kraus), requiring that be submuitted a site investagation work plan to DEC for approval by 01/25/2007, as required in the previous letter.

12/28/06:Chanda received a phone call from Pamela Oelerich, Ph:212−432−8545(ATC)concerning the status of the site.

01/19/07: Chanda received an e−mail from Pamela Oelerich , ATC Associated Inc., with attached the Site Investigation Work Plan.

01/23/07: Chanda reviewed the site investigation work plan, prepared by ATC Associates Inc., dated 01/19/07. On 1/23/07, Chanda approved the Investigation Work Plan, requiring that an investigation summary report must be submitted to DEC for review by March 23,2007.

3/2/07: Chanda received a letter from Pemela Oelerich , ATC Associates Inc. regarding time extension request to submit the investigation summary report.
The Department approved the extension and sent a letter to RP(Steven Kraus) and his consultant(Pamela Oelerich), requiring that an investigation summery report be submitted to the department for review by April 23, 2007.

5/8/07: Chanda received an Investigation Summary Report (ISR)prepared by ATC Associates Inc., dated May 7, 2007.

5/15/07: Chanda reviewed the Investigation Summary Report and has the following comments:

1. The soil analytical results from soil borings SB−MW−05 and SB−MW−06 showed elevated levels of VOCs. The levels of BTEX concentrations ranged from 82.22 ppm to 137.58 ppm. The soil samples exceed NYSDEC standards for Recommended Soil Cleanup Objectives for gasoline contaminated soils.

2. The groundwater (GW) analytical results showed elevated levels of VOCs for monitoring wells MW−02, MW−03, MW−04, MW−05, MW−08, and MW−09. The levels of BTEX concentrations ranged from 16.99 ppb to 444.60 ppb. The high VOC concentrations indicated that the GW had been contaminated and thus, are required to be remediated and monitored.

3. The sub−slab vapor analytical results from samples SSV−03 and SSV−04 showed elevated levels of VOCs and Toluene. The levels of toluene concentration ranged from 3,100 µg/m3 to 4,500 µg/m3, which are above the NYSDOH Background Levels.

4. The indoor air analytical results from samples IA−01, IA−02, IA−03 and IA−04 showed elevated levels of VOCs and Toluene. The levels of toluene concentration ranged from 4,000 µg/m3 to 6,900 µg/m3, which are above the NYSDOH Background Levels.

5/16/07: Kartik Chanda of DEC sent a letter to RP(Steven Kraus) and his consultant (Pamela Oelerich) ATC Associates Inc.The Department requires the followings:

1. Quarterly Groundwater Sampling.
2.One Semi−Annual Indoor Air and Sub−Slub Vapor Samplings. Additional investigation may be required by the Department upon review of these monitoring reports.

9/6/07: On 8/10/07, Chanda received an email from Ms. Pamela Oelerich, ATC Associates Inc.(ATC), regarding quarterly groundwater

sampling. She informed the quarterly groundwater sampling/monitoring will be performed the 1st half of September, 2007.

11/14/07: Chanda called Ms. Pamela Oelerich (ATC)to get update information regarding this site. She stated that 1st round of GW monitoring/sampling was done in September 2007. The 2nd round GW sampling/monitoring will be performed the 28th December, 2007.

11/15/07: Chanda received a Quarterly Ground Water Monitoring Report from ATC dated October 4, 2007.

12/10/07: Chanda has reviewed the quarterly GW monitoring report and has the following comments:

1. Based on the results of the investigation, it is apparent that concentrations of VOCs have not significantly changed since April 2007 sampling event.

2. 9/20/07, GW analytical results for VOCs are:

	MW−01	MW−02	MW−03	MW−04	MW−05	MW−06	MW−07	MW−08	MW−09
BTEX (ppb)=	14.16	72.8	41.14	240.00	340.00	19.29	25.98	120.00	ND
Mtbe(ppb)=	ND	ND	ND	1.79	21.40	ND	ND	ND	ND

3. No SVOCs were detected above the method detection limit in samples exception of napthalene.

12/11/07: Chanda sent a letter to RP and his consultant, requiring that a groundwater monitoring/sampling report and a semi−annual indoor air and sub−slub vapor sampling reports must be submitted to DEC by March 15, 2008 for review.

3/20/08: Chanda called Ms. Pamela Oelerich, Ph:212−432−8545(ATC) regarding the semi−annual sub−slab vapor sampling and 2nd round quarterly GW sampling report for this site. Left a message to call back.

4/7/08: Chanda called consultant Ms. Pamela Oelerich, Ph. 212−432−8545 (ATC) regarding the GW monitoring report and left message to call back.

4/14/08: Chanda received a voice message from Ms.Pamela Oelerich, she stated that see is needed a 4 week time extension to submit the monitoring report. The deadline is extended to May 15, 2008 to submit the monitoring report to DEC for review and approval.

5/27/08: Chanda received a Quarterly Groundwater Monitoring Report (Third Quarter) prepared by ATC Associates Inc. dated May 27, 2008.000

6/19/08: Chanda has reviewed the Quarterly GW monitoring report and has the following comments:

−On 3/26/08, gaging of monitoring wells MW−1 through MW−9 and GW samples collected were analyzed for STARS VOCs and STARS SVOCs.

− 3/26/08, GW analytical results for VOCs are:

	MW−01	MW−02	MW−03	MW−04	MW−05	MW−06	MW−07	MW−08	MW−09
9/20/07									

BTEX(ppb)= 14.16−−−72.8−−−−−41.14−−−−240.00−−−340.00−−−19.29−−−−−25.98−−−−120.00−−−−−ND
Mtbe(ppb)= ND−−−−−ND−−−−−−−−ND−−−−−−−−1.79−−−−21.40−−−−ND−−−−−−−−ND−−−−−−−ND−−−−−−−−ND

3/26/08
BTEX (ppb) ND−−−−−148.1−−−−98.4−−−−−−487.5−−−−−58.45−−−−ND−−−−−−−5.58−−−−−50.9−−−−−−11.78
MTBE (ppb) ND−−−−−−ND−−−−−−−ND−−−−−−−−−ND−−−−−−ND−−−−−−−ND−−−−−−−−ND−−−−−−−ND−−−−−−−−ND

−No SVOCs were detected above the method detection limit in samples exception of napthalene.

−VOC concentrations in MW−03, MW−07, MW−08, and MW−09 were relatively similar to concentrations detected in 9/20/07.

6/19/08: Chanda received a phone call from ATC Associates Inc., regarding the schedule of indoor air and sub−slab vapor sampling events end of June 2008. Chanda sent a letter to RP and his consultant requiring that the next GW quarterly report with semi annual indoor air and sub−slab vapor sampling results must be submitted by 7/31/08 for review and approval.

7/1/08: Chanda received one month extension request via email from ATC Associated Inc. dated 6/30/08. Based on the reasons presented, the Department hereby grants a one month extension to submit the quarterly groundwater and semiannual indoor air reports. Chanda extended the deadline to 8/29/08.

8/29/08: Chanda received a Quarterly Report (fourth quarter) dated August 2008, prepared by ATC Associates Inc.(ATC) see eDocs.

Chanda reveiwed the Quarterly report and has the followings:

−Groundwater gauging and sampling of MW−1 through MW−9 and samples analysis for VOCs and SVOCs.

−Collection of four sub−slab vapor samples for analysis via EPA method TO−15 for VOCs.

−Collection of four indoor air samples and one outdoor air sample and analysis via EPA method TO−15 for VOCs.

−Comparison of the July 2008 groundwater laboratory analytical results with the previous investigations revealed that overall the concentrations of VOCs appear to be declining in MW−02,MW−03, MW−04, MW−05, and MW−07. The comparison revealed that VOC concentrations increased from the March 2008 sampling event in MW−08. The review of the results for MW−09 revealed anincrease in the concentrations of isopropylbenzene, sec−butylbenzene, and tert−butylbenzene and a decrease in the concentrations of 1,3,5−trimethylbenzene, ethylbenzene, and toluene from the March 2008 sampling event. Overall, total concentration of VOCs is lower than the March 2008 sampling events in most monitoring wells.

−In sub−slab soil vapor result showed that Toluene was detected in all samples at concentrations ranging from 37 to 57 micrograms per cubic meter (ug/m3); all of which are below or equal the upper limit of the NYSDOH Background Level of 57 ug/m3 (toluene was detected at concentrations ranging from 17 to 6,800 ug/m3 in the December 2007 sampling event). Concentrations of 1,2,4−trimethylbenzene, 1,3,5−trimethylbenzene, ethylbenzene, mand p−xylene, and o−xylene were found above the NYSDOH Background Levels in SSV−01, SSV−03, and SSV−04 but below their respective EPA Values.

− Indoor air sampling results showed that concentrations of toluene (1,100 to 2,300 ug/m3) and ethylbenzene (42 to 74 ug/m3) were found above the NYSDOH Background Levels and the Indoor Air EPA Values. M− and p−xylene and o−xylene were detected at

concentrations above the NYSDOH Background Levels in all indoor air samples collected but below their respective Indoor Air EPA Values.

10/23/08: Chanda sent a letter to RP and his consultant requiring that:

1. All existing monitoring wells, MW−1 through MW−8, must be gauged and surveyed to determine the correct groundwater flow direction. Groundwater samples must be collected and analyzed for petroleum constituents via EPA Method 8260/8270. From this data, create a groundwater contour map and plume delineation map.

2. Indoor air sampling must be performed in accordance with NYSDOH Division of Environmental Health Assessment Indoor Air Sampling and Analysis Guidance available at http://www.health.state.ny.us/environmental/indoors/air/guidance.htm. Note that the guidance requires a household product inventory and completion of the Indoor Air Quality Questionnaire and Building Inventory available at http://www.health.state.ny.us/environmental/indoors/air/ docs/questionnaire.pdf. The HVAC system should be operating under normal occupied conditions. Results will be forwarded to the NYSDOH for review. If PID readings are detected, the Department must be notified immediately.

The next Quarterly Report will be submitted to DEC by 12/15/08 for review and approval.

12/07/09 − Transferred to Tibbe

11/12/10 − spill re−assigned from Tibbe to Joe O'Connell.

3/5/13 − In December 2010, communication between DER and Skyline Windows consultant to discuss the project. The area of the site was eventually going to be included in larger Columbia University (CU) project. Subsequently (12/23/2010) had communications with CU consultant regarding plans to demolish the Skyline Windows building. Because there were monitoring wells in the basement of the building, requested proper abandonment of wells before building demolition. Met with CU consultant in April 2011 to discuss project status; was advised that some work would be starting in the area; that the Skyline property would be mostly occupied with trucks/equipment for the project area that was south of W. 130th Street; that eventually they would be excavating the former Skyline; that they would be taking characterization samples now for disposal; sent a narrative and figure on April 8, 2011. The figure shows the larger block and the tax lot numbers (in hexagon in the figure); former Skyline is Block 1997 Lot 14; this lot was included in property transaction with eventual deed to "The Trustees of Columbia University" in early 2012. Inquired about project status on 3/4/13 and discussed with CU consultant: former Skyline is in roughly the same status as it had been; work may be occurring soon within the street bed of W. 130th Street and other actions may occur north of the street in the coming months. The CU consultant inquired if there was any way to get a coordinated response from DEC as there are numerous spills within the footprint of the larger construction site; I said I would look into it. (JOC)

Map Identification Number 18 **W132NS ST PURS UNIT R4 (M52S)** **Spill Number: 0203037** **Close Date:**
630 WEST 132ND STREET MANHATTAN, NY TT−Id: 520A−0099−476

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1809 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: Other
Caller Name: MARK SCHLAGEL
DEC Investigator: JMOCONNE

Spiller: UNKNOWN − UNKNOWN
Notifier Name: MARK SCHLAGEL
Caller Agency: CON EDISON
Contact for more spill info: CALLER

Spiller Phone:
Notifier Phone: (212) 580−6763
Caller Phone: (212) 580−6763
Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/22/2002		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

stain of unk oil on a metal plate clean up pending remediation program coned#143504

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "FOLEY"

Con Ed e2mis #143504

3/23/07: Con Ed Chad Pfeiffer submitted results of samples collected following remedial excavation. Results are in eDocs. Sent e−mail to Pfeiffer:

"As per our telephone conversation, I am concerned that a number of these composited samples have relatively high TPH values. This leads me to conclude that at least one of the grab samples that comprised the composite would exceed the cleanup goal of 10,000 ppm. As such, we agreed that you would have the contractor remove some additional bluestone/soil and re−sample utilizing grab samples.

The locations to be re−excavated are:

1. Area R2−NE
2. Area R2−E
3. Area R2−sw
4. Area R4−NW
5. Area R4−W
6. Area R4−SW

For sampling (TPH only, in this case) we should use the following guidelines:

For a narrow excavation (i.e., less than 5 feet wide), collect one grab sample per 10 linear feet of excavation and one from each end. For example, for a 10 foot long excavation, you would collect 3 samples total (one from each end, and one from the center of the excavation). If the trench is wider, collect same linear distance , but one from each side of the excavation." (JHO)

3/30/07 − second round of samples collected − still have high TPH (actually higher than shallow soils). Requested additional excavation. Con Ed (Chad Pfeiffer) indicated that additional excavation may not be possible due to undermining of unit. Will meet at site to discuss options. (JHO)

5/3/07: Inspected location with Con Ed (Chad Pfeiffer and Vic Faster) − they will conduct additional sampling along west side of unit to delineate extent of remaining contamianted soil. See eDocs for analytical results and site photos.(JHO)

3/12/08: spill number 9808980 closed and cross−referenced to this spill. (JHO)

01/15/10−HRAHMED−Spill number 0908202 closed, as the cleanup of the recent release was done. As per Randall Austin and Jacob Krimgold, the historic contamination should be remediated under this spill. The work plan has been uploaded to eDocs submitted by Chad of ConEd.

6/21/10 − changed Lead DEC to JMOCONNE (JOC)

7/21/10 − Austin − See spill#0908202 − ruptured disc on 10/21/09 led to release of over 1700 gals of dielectric fluid − this new spill was cleaned up and closed out − #0203037 remains open − end

Map Identification Number 19 **W 132NS ST PURS UNIT R2 (M52N)** **Spill Number: 0203032** **Close Date:**
WEST 132ND ST MANHATTAN, NY TT−Id: 520A−0099−487

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1809 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: 630 WEST 132ND ST
Revised zip code: NO CHANGE

Source of Spill:	UNKNOWN	Spiller:	CALLER − CON ED	Spiller Phone:	(212) 580−6763
Notifier Type:	Responsible Party	Notifier Name:	KEVIN MCCARDLE	Notifier Phone:	(212) 580−6763
Caller Name:	KEVIN MCCARDLE	Caller Agency:	CON EDISON	Caller Phone:	(212) 580−6763
DEC Investigator:	JMOCONNE	Contact for more spill info:	CALLER	Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/22/2002		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

stain of oil on blue stone coned#143503

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "FOLEY"

Con Ed e2mis #143503

3/23/07: Con Ed Chad Pfeiffer submitted results of samples collected following remedial excavation. Results are in eDocs. Sent e−mail to Pfeiffer:

"As per our telephone conversation, I am concerned that a number of these composited samples have relatively high TPH values. This leads me to conclude that at least one of the grab samples that comprised the composite would exceed the cleanup goal of 10,000 ppm. As such, we agreed that you would have the contractor remove some additional bluestone/soil and re−sample utilizing grab samples.

The locations to be re−excavated are:

1. Area R2−NE
2. Area R2−E
3. Area R2−sw
4. Area R4−NW
5. Area R4−W
6. Area R4−SW

For sampling (TPH only, in this case) we should use the following guidelines:

For a narrow excavation (i.e., less than 5 feet wide), collect one grab sample per 10 linear feet of excavation and one from each end. For example, for a 10 foot long excavation, you would collect 3 samples total (one from each end, and one from the center of the excavation). If the trench is wider, collect same linear distance , but one from each side of the excavation." (JHO)

3/30/07 − second round of samples collected − still have high TPH (actually higher than shallow soils). Requested additional excavation. Con Ed (Chad Pfeiffer) indicated that additional excavation may not be possible due to undermining of unit. Will meet at site to discuss options. (JHO)

5/3/07: Inspected location with Con Ed (Chad Pfeiffer and Vic Faster) − they will conduct additional sampling along west side of unit to delineate extent of remaining contamianted soil. See eDocs for analytical results and site photos.(JHO)

6/21/10 − changed Lead DEC to JMOCONNE (JOC)

Map Identification Number 20 **COLUMBIA UNIVERCITY** **Spill Number: 1203566** **Close Date:**
640 WEST 131ST STREET MANHATTAN, NY TT−Id: 520A−0275−649

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1860 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	INSTITUTIONAL, EDUC, GOV, OTHER	Spiller:	COLUMBIA UNIVERCITY	Spiller Phone:	
Notifier Type:	Other	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	HRPATEL	Contact for more spill info:	RYAN MANDERBACH	Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/12/2012		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

found old tank during excavation/stains to soil

DEC Investigator Remarks:

07/24/12−Hiralkumar Patel.
alternate addresses: 640−644 W 131st Street, 641−645 W 130th Street
no PBS record found.
other spill : 0707311. spill 0707311 was reported on 10/03/07 as NYC DEP reported motor oil spilled from cars. DEC Piper inspected site and found a body repair shop at the site. he did not observed any oil. case closed.

11:00 AM:− spoke with Ryan at Langan. he mentioned that a 550 gal gasoline UST was discovered along the northern line of the property during excavation to install a concrete guide wall at 10 ft depth. he mentioned that the entire city block will be excavated down to 200 ft depth as part of on−going development. no piping were attached to the tank. he mentioned that tank was found along the sidewalk. he mentioned that tank was found around 2 ft bg. there was no contamination observed around the tank, but staining and high PID readings (305 ppm) were noted in soil beneath the tank. contractor dug down to 10 ft depth as part of the project and poured a concrete guide wall. Ryan mentioned that tank was mostly filled with water with some residual product. soil removed from the excavation has been desposed off properly. asked him about shoring along the exterior as site will be excavated down to 200 ft depth. he does not know location of shoring: inside or outside of the guide wall. asked him to provide such information. also asked him about any previous investigation data. he mentioned that there were soil borings installed on site as part of waste characterization. there were some borings installed near the area where gasoline tank found. during investigation, groundwater was found around 10 ft depth. there was not groundwater observed in excavation for guide wall (which was 10 ft deep). asked him to submit results of soil and groundwater samples from the gasoline tank area.

Ryan Manderbach
Langan Engineering
Ph. (212) 479−5582
email: rmanderbach@langan.com

11:17 AM:− sent email to Ryan. asked him to submit site map with sample location and previous boring/well locations near tank area. also asked to submit results of soil and groundwater samples collected near the tank area. inquired him about any endpoint samples collected prior to pouring guide wall in former tank location.

4:08 PM:− received email from Ryan including site map and results of soil and groundwater samples collected in Oct. 2011. no contamination found in samples collectd around area where 550 gal tank was found. he mentioned that endpoint samples were not collected from the tank area because the entire area below the tank will be excavated to a minimum of 55 ft bg.

08/16/12−Hiralkumar Patel.
11:14 AM:− received call from Ryan. he mentioned that there is no work in progress in the area where tank was found.

06/24/13−Hiralkumar Patel.
2:10 PM:− left message for Ryan.

Map Identification Number 21 **MANHATTANVILLE DEPOT −NYCT** **Spill Number: 9506400** **Close Date:**
666 WEST 133RD STREET MANHATTAN, NY TT−Id: 520A−0099−506

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1879 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	INSTITUTIONAL, EDUC, GOV, OTHER	Spiller:	SAME	Spiller Phone:	
Notifier Type:	Affected Persons	Notifier Name:		Notifier Phone:	
Caller Name:	ERIC JONES	Caller Agency:	NYC TRANSIT	Caller Phone:	(718) 243−4581
DEC Investigator:	RVKETANI	Contact for more spill info:		Contact Person Phone:	

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/24/1995		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
WASTE OIL/USED OIL	PETROLEUM	−1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

CALLED THE SITE FOR DON BORNKAMP, HE WAS NOT HTERE, BUT ON OF THE EMPLOYEES SAID THAT IT WAS JUST SOME OIL IN A OIL/WATER SEPARATOR. NO SPILL

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
see also 96−00202. transfered from Hale to Tibbe on 12/27/00.

11/12/10 − spill re−assigned from Tibbe to Joe O'Connell

5/19/2011 The spill was reassigned from Joe O'Connell to Linda Ross.

2/27/12 − Raphael Ketani. This case was transferred to me during February 2012. Monthly progress meetings are taking place with staff from the NYCT. The site is located on 12th Avenue between 132nd and 133rd Streets in Manhattan.

The contact person is:

GREGORY MATHELIER
CONSTRUCTION ADMINISTRATOR
UST & ENVIRONMENTAL REMEDIATION PROGRAM
ON−CALL PROJECTS/ CAPITAL PROGRAM MANAGEMENT
MTA NEW YORK CITY TRANSIT
2 BROADWAY, C2.10, NY 10004
BUS: 646−252−3470/ CELL: 646−879−1970

4/26/12 − Raphael Ketani. During the monthly meeting, the consultant stated that free product is recovered from a few wells on a monthly basis. An investigation/remediation report will be submitted.

2/27/2013 − Raphael Ketani. Mr. Mathelier (646) 252−3470 sent me the following case summary:

In 1995, Following discovery of an anomalous volume of petroleum product in the OWS system in the diesel dispenser area at the depot (southwestern area of the depot), NYSDEC assigned No. 9506400 to the spill. In late 1995 and early 1996, a Remedial Investigation (RI) was conducted and included the installation of several monitoring wells (MW−1 though MW−23) in the dispenser area. Product has only been present in MW−1, MW−3, MW−11 and MW−12. Through Vactruck recovery, high vacuum enhanced fluid recovery from 1997 to 2001 approximately 2,620 gallons of product was recovered from these product−bearing monitoring wells.

However, in 2008, groundwater levels in the dispenser area dropped by as much as 2.7 feet. During these periods of lower water levels, product appeared in well MW−5 (to thickness as much as .28 feet). Groundwater levels have risen and no product has been detected in this well since then. The presence of product at depth in MW−5 suggests a free product phase floating on the groundwater and trapped beneath the water table. As agreed with the NYSDEC, an investigation was warranted to better delineate the limits of the free product plume around MW−5 (north of the dispenser area). As part of this investigation, an evaluation of the feasibility of installing a remediation system to enhance product recovery was proposed.

The investigation began in July/August 2010 and included the installation of monitoring wells MW−24, MW−25, MW−26 and MW−27 (around MW−5/ north of the dispenser area), chemical and geotechnical analyses and groundwater and product level monitoring. Geotechnical results indicated that the soils range from sand with silt (with hydraulic conductivity range of 10−5 to 10−3 cm/sec) to sand with gravel (with hydraulic conductivity range of 10−3 to 10−1 cm/sec). Chemical analytical results revealed soil samples with the presence of VOCs above the CP−51 criteria and no SVOCs above the CP−51 criteria. Dissolved−phase groundwater samples collected from product−free wells throughout the site.

A section covering evaluations of geotechnical results, free product plume limits, soil analytical results, groundwater analytical results and feasibility of installing a product recovery system is included. [he's referring to the Februrary 2013 Manhattanville Depot Investigation Report] Based on these evaluations, the following recommendations are: implement a pump test to refine the hydraulic conductivity data needed for further detailed design; groundwater samples shall be collected during the pump test and analyzed to determine the level of pretreatment required prior to discharge to the municipal sewer system; evaluation of remedial technologies based on the pump test and groundwater analytical results while evaluating the financial feasibility of such strategy.

3/6/13 − Raphael Ketani. I reviewed the February 2013 Manhattanville Depot Investigation Report. The site is 500 feet east of the Hudson River at an approximate elevation of 109 feet. Groundwater varies in depth from 8 to 9.5 feet below grade.

The subsurface investigation took place during July and August of 2010. Wells MW−24 to MW−27 were installed. PID readings were 976 ppm at 8 feet down in boring MW−25 and 441 ppm at 12 feet down in MW−27. Borings MW−24 and MW−27 had odors from 3 to 16 feet below grade. Boring MW−26 had odors and PID hits from 12 to 42 feet down with 1932 ppm at 29 feet. The soils were mostly sandy with some silt.

The soil sample were taken at MW−25 at 8 to 10 feet had many VOC hits in the thousands of parts per billion with only total xylenes and 1,2,4−trimethylbenzene as significant exceedences. The other soil samples from the three other borings were mostly non−detect or J values. There were no SVOC hits. MW−27 at 10 to 15 feet had exceedences for benzene, total xylenes and 1,2,4−trimethylbenzene. The SVOCs were almost all non−detect.

The hydraulic conductivity of the groundwater was tested and found to vary from 10−5 to 10−1 cm/sec. This corresponded to silt or very fine sand up to sediment with coarse sand and gravel. Eighteen (18) wells were sampled during September 2010. MW−4, MW−5, MW−13, MW−15, MW−16, MW−20, MW−23 to MW−26 and MW−01 had 2 to 7 low to moderate VOC hits. MW−11 had 9 VOC hits which were low to 130 ppb with one hit of 2300 ppb of p−isopropyltoluene. MW−9 had 9 VOC hits with moderate to high exceedences to 23,000 ppb of toluene. The SVOCs were almost entirely non−detect for all of these groundwater samples, except for 1300 ppb of naphthalene at MW−9 and 18 ppb of naphthalene at MW−11. MW−17, MW−19, MW−21 and MW−22 were almost entirely non−detect for VOCs and SVOCs. MW−27 had 11 VOC hits with 3 hits in the low triple digits. The SVOCs were almost entirely non−detect.

It was agreed years ago by the DEC and the NYCT that MTBE concentrations greater than 100 ppb in some samples collected during September 2010 were representative of gasoline contamination and not characteristic of the site contamination − which was primarily diesel fuel. The concentrations and types of contamination (mostly BTEX with d−naphthalene) in MW−9 suggests that it may be from the former MGP site which used to be at this location.

According to the report, two methods of addressing the contamination are being considered. These are lowering the water table 4 feet using 4 extraction wells by pumping at 5 to 114 gpm, and surfactant flushing. It will be determined whether installing and operating a remediation system is financially feasible.

They will do pumping to refine their understanding of the hydraulic conductivity. They will also resample the groundwater. Based on the pumping tests and the groundwater results, the best remedial method will be determined. After the best method is chosen, a cost estimate will be done.

I approved the Investigation Report and drafted a letter for the review of Hassan Hussein, EE III and head of Unit C in DER. In the letter, I stated that I was approving the report, but I also stated that they must redevelope the wells first. Then they must wait 2 months after the date of development before taking the groundwater samples in order to allow the disturbed groundwater to leave the vicinities of the affected wells. After they have taken the samples, then they can do the hydraulic conductivity testing.

3/19/13 − Raphael Ketani. Mr. Hussein approved the letter and it was sent out.

12/18/13 − Raphael Ketani. At the request of Mr. Mathelier, the DEC located the contact person for the Columbia University Manhattanville development project next door. This person is Serena Sinckler, Coordinator for the Manhattanville project, at (212) 854−4142. The general development project e−mail address is projx@columbia.edu.

12/19/13 − Raphael Ketani. Marcello Valez, head of construction and project management (212) 854−3992, called regarding what was

the DEC's concern about the Columbia University Manhatanville construction project and what was the nature of the NYCT Manhattanville remediation project.

12/20/13 − Raphael Ketani. I tried to return Mr. Valez's call, but I was told by Ms. Sinckler that he had left for vacation. Ms. Sinckler added that she will try to have one of the vice presidents return my call.

Later, Ms. Sinckler called again and said that I should talk to Greg Lempin at (212) 851−7058. So, I tried to contact Mr. Lempin, but his voice mail box was full. I will try him later.

12/23/13 − Raphael Ketani. Mr. Lempin called me today. He said that the Columbia University project is between W. 129th Street and W. 130th Street. He added that this was about 400 or so feet away from the NYCT Manhattanville project site. I gave him Mr. Mathelier's phone number and asked that he contact him regarding the groundwater issues. Mr. Lempin said that he will. I also sent Mr. Lempin a map showing the location of the NYCT Manhattanville site.

Map Identification Number 22 **MANHATTAN DEPOT − VAULT −NYCT** **Spill Number: 0105323** **Close Date:**
666 WEST 133RD STREET MANHATTAN, NY TT−Id: 520A−0099−514

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1879 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	UNKNOWN	Spiller:	CALLER − NYC TRANSIT	Spiller Phone:	
Notifier Type:	Responsible Party	Notifier Name:	ERIC JONES	Notifier Phone:	
Caller Name:	GEORGE BASSIL	Caller Agency:	NYC TRANSIT	Caller Phone:	(718) 243−4581
DEC Investigator:	RVKETANI	Contact for more spill info:	GEORGE BASSIL	Contact Person Phone:	(718) 243−4581

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/16/2001		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

fuel vault leaked − unk how or why

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
8/16/01 − PRODUCT FOUND IN DIESEL VAULT WELL. CPM CONTRACTOR DELAYED IN NOTIFYING CPM. ONCE CPM WAS NOTIFIED, THEY CALLED ME AND THEIR SYSTEM SAFETY WHO MADE NOTIFICATION TO THE HOTLINE. SYSTEM WAS TURNED OFF. DOS PRESSURE TESTED ALL FILL LINES. ALL PASSED. CHECKED ALL TANK INTERSTITIAL SPACES. NO PRODUCT FOUND. CHECKED INTERSTITIAL SENSORS. ALL WORKING. PRESSURE TESTED ALL DISPENSER LINES. TANK 1&2 DISPENSER LINE FAILED. THE DISPENSER LINE FOR TANKS 1&2 WILL BE TESTED TOMMORROW FOR A LEAK RATE. PRODUCT FOUND IN THE SECONDARY. VAULT WELL PUMPED UNTIL DRY. 3500 GALLONS OF DIESEL RECOVERED. I ALLOWED THEM TO RESTART THE REST OF THE TANKS SO THEY COULD START FUELING THE BUSES.

11/12/10 − spill re−assigned from Tibbe to Joe O'Connell

5/19/2011 The spill was reassigned from Joe O'Connell to Linda Ross

12/18/12 − Raphael Ketani. The spill was assigned to me during February 2012 as part of a caseload realignment. There have been monthly to bimonthly (once every two months) update meetings with the NYCT regarding this and 17 other sites. The information for the sites is in the UIS under e−docs, multiple sites, DER, Region 2, Petroleum Spills, NYCT.

12/18/13 − Raphael Ketani. At the request of Mr. Mathelier, the DEC located the contact person for the Columbia University Manhattanville development project next door. This person is Serena Sinckler, Coordinator for the Manhattanville project, at (212) 854−4142. The general development project e−mail address is projx@columbia.edu.

Information regarding the investigation and remediation of the site may be found in spill case #9506400 and at the general NYCT e−docs website.

Map Identification Number 23 **APT BLDG** **Spill Number: 1306773** **Close Date:**
524 W 123RD ST MANHATTAN, NY TT−Id: 520A−0293−316

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (3)
Approximate distance from property: 1895 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	DERMOT COMPANY	Spiller Phone:	
Notifier Type:	Other	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	TJDEMEO	Contact for more spill info:	KRISTINA ENOS	Contact Person Phone:	9174555752

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/27/2013		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	UNKNOWN	0	UNKNOWN	

Caller Remarks:

Caller states her building had a failure on it's heating oil system that caused an odor of oil in the building including her 4th floor apartment. Caller talked to regional office on this date to see if there was a report but they said there wasnt a report on file. Caller reported the issue to the bldg super as early as Sept 19th. Super had an oil company out on Wednesday 9/25 when a "large leak" was discovered anbd fixed.

DEC Investigator Remarks:

09/27/13−Hiralkumar Patel.

Kristina called earlier inquiring about any spill reported at the site. searched database and found no record of spill. she was concerned about fire hazards. she stated that as per building super, there is 'large' spill in basement. as she was concerned about fire hazards, suggested her to call FDNY. also asked her to report spill to DEC hotline.

received spill report at 3:37 PM.

alternate address: none

no other spills found.

PBS #: 2−283045. as per PBS record, the site has one 1,500 gal #2 oil UST. the tank installed in Jan. 1955. tank system is due for tightness test.

3:45 PM:− spoke with FDNY Manhattan dispatch who confirmed that no reports were filed with FDNY regarding this issue.
3:48 PM:− spoke with Kristina. she spoke with building super and super was going to call FDNY. Kristina stated that there is petroleum odors in building and she is concerned.

3:51 PM:− left message for Calvin, building super.
3:54 PM:− left message for Eric Underwood, property manager.

Calvin Fraley **building super**
Ph. (347) 203−6044

123rd Street Investor, LLC.
c/o Dermot Realty Management Co.
729 7th Avenue, 15th Floor
New York, NY 10019
Attn.: Eric Underwood **property manager**

PH. (347) 865−4655

after discussing with DEC Austin, case assigned to DEC Tim. Tim will visit site.

9/28/13 TJD
Site inspection. Spoke with affected resident in Apt. 4W (Kristina) − odors are still permeating basement, stairwell and upper floor tenant spaces. As per notifier, spill occurred approximately 9/13 and liquids were removed by building super (Calvin Fraley 347 203 6044) utilizing granular absorbents. Basement concrete floor is stained with #2FO and exhibits strong petroleum odors. A second spill was also identified on sidewalk in proximity to fill port − super states this is a regular occurance following hose disconnect after delivery (Oil carrier is Statwide). DeMeo explained regulations associated with responsibility of transfer and advised building super to monitor deliveries and report spill in the event of reportable overfill/housekeeping conditions associated with fuel deliveries.

Building representative (super) states building manager/owner have been informed of discharge and not authorized any further cleanup actions. Building manager is Dermont Realty @(877 379−8484 x6134) − multiple contacts for management company were provided to DEC − messages left with no return calls received to following building reps:
Eric Underwood − 347 865 4655
Mauricio − 646 747 6147

During discussion with affected tenant (4W), DEC became aware of a second tenant in Apt 2E who reported to have several family members experiencing physical symptoms (diziness, headaches & naseau) associated with petroleum odors. DEC spoke with these affected residends also and advised them to contact DOH via 311 to report indoor air concerns and possible related health conditions.

DEC indepentenly contacted 311 and made rererral to DOH: callback requested
Service Request #: C1−1−894504504
Date Submitted: 09/28/13 12:02:01 PM
Request Type: Indoor Air Quality
Details: Chemical Vapors/Gases/Odors

No callback from DOH was received.

Building super was issued a NOV for PBS/Spill violations and directed to retain the services of a qualified environmental contractor to complete cleanup including recovery of washwater. A small area around the hot water heater is open to soil which has been affected by the petroleum discharge. The super was further directed to hand excavate the impacted soils to a clean/structural endpoint without undermining equipment. DEC requested callback with an update from building super no later than 9/30/13.

PBS violations referred to PBS Unit for follow−up.

DEC photos, NOV and DOH referral have been uploaded to E−DOCS.

Map Identification Number 24 **LOT # 61** **Spill Number: 0807725** **Close Date:**
673 WEST 125TH ST MANHATTAN, NY TT−Id: 520A−0220−594

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (3)
Approximate distance from property: 1927 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Other
Caller Name:
DEC Investigator: JAKOLLEE
Spiller: SMITA DAY − UNKNOWN
Notifier Name:
Caller Agency:
Contact for more spill info: SMITA DAY
Spiller Phone:
Notifier Phone:
Caller Phone:
Contact Person Phone: (212) 479−5551

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/11/2008		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

CALLER STATES THAT THEY WERE DOING SOIL BORING AND ENCOUNTERED CONTAMINATED SOIL. THEY DID NOT CLEAN THE SITE THEY BACK FILLED THE SITE. CALLER STATES THAT THEY SPOKE WITH SARRIF RAMEN FROM DEC REG2.

DEC Investigator Remarks:

site visit needed.

12/04/08 I visited the site today morning.There is a gas station @673 W 125th Street(PBS: 2−601507).The gas station may be a source of contamination.Therefore, Langan investigation report needs to be reviewed. I called Langan and requested them to send us the report.(sr)

12/09/08 Rec'd call from Jackie DiCrescio from DiCrescio & Trivedi,LLP.She represents 673 W 125th Street and requested info on the spill case.Her contact phone # is (516)470−1379.(sr)

03/06/09 Rec'd investigation report from Langan Engineering.Boring location adjacent to the tank at 673 W 125th, found contamination.Therefore, spill address is changed to 673 W 125th Street.(sr)

03/09/09 CSL was sent to

Dhanota Brothers Inc
673 West 125th Street
New York, NY 10027
Attn: Gurnam Singh(sr)

04/02/09 Rec'd call from Patty Badding of EMS @(908)500−7160.Subsurface investigation will be done next week.(sr)

10/05/09 Spoke with Patty Badding regarding investigation rpt.She will send it to my attention.(sr)

11/13/09 Rec'd Investigation Summary Rpt prepared by Envt'l Management Solutions, Inc. Two 4,000 gal gasoline and one 4,000 gal diesel USTs, 3 pump islands on site. Eight soil borings perfomed on site. Soil borings around tank field and pump islands were advanced through water table 16 ft below surface. Six soil samples showed VOC exceedances above TAGM. Five GW samples were analyzed, all of them exceeded DEC GW Quality Standards. Total BTEX ranged from 3,100 ug/l to 10,090 ug/l. Other VOCs in GW: Benzene 4,700 ug/l; Ethylbenzene 3,400 ug/l; MTBE 14,000 ug/l; Napthalene 790 ug/l; Total VOCs: 22,100 ug/l. No liquid phase hydrocarbon in GW observed. Case is under Consent Order with DLA (Lead:Lou Oliva). EMS recommends to install GW monitoring wells and prepare remedial strategy.

07/21/10 EMS installed four monitoring wells on site to characterize GW and determine GW flow direction. Monitoring wells were installed on four sides of property. MW−1 on west portion of site, adjacent to 12th Ave; MW−2 on north portion of site, adjacent to W 130th St; MW−3 installed on south side along W 125th St; MW−4 installed on east side, in front of store. Wells were sampled on March 09, 2010. Gasoline odor was detected in all wells except MW−1. Sheen was observed in MW−2. GW flow direction was determined to be in westerly direction. VOCs in GW: Benzene 1,100 ug/l; Tolune 1,400 ug/l; Ethylbenzene 2,600 ug/l; MTBE 1,200 ug/l; Napthalene 870 ug/l; 1,2,4 Trimethylbenzene− 3,000 ug/l. Based on investigation, plume has not been completely delineated. Off−site investigation required. Rpts in edocs. Spoke with Patty Badding. She will prepare a offsite investigation rpt and submit to DEC for approval. Three 4,000 gallon USTs were tightness tested on 05/01/2009. Tanks passed test.(sr)

** Case transferred to Remediation section for future management.**

08/02/10: This spill case transferred from S. Rahman to J. Kolleeny. − JK

11/04/10: Sent email to consultant Patricia Badding of Envt'l Mgt. Solutions (EMS): "Patty:
I wanted to let you know that Sharif Rahman is no longer managing this spill case for DEC, spill has been transferred to me. I will look over RIWP and get back to you and your client with either an approval or with any questions or comments I may have."
Patty sent email reply: "Hi John − Do you think we would be able to use Columbia wells for delineation if they are in right locations?" I sent reply: "My initial reaction is, as long as Columbia wells are in right locations and are properly screened to straddle water table (do you have well construction logs, or can you get them?), it's OK with me to use them for delineation, as long as there are no access issues with Columbia. But please let me take a look at your investigation work plan and familiarize myself with site and project a little more before I give a final answer on this." − J. Kolleeny

12/21/10: Sent email to Patty Badding of EMS: "Hi Patty, I was just wondering if you have any updated information on this project, as to whether or not Columbia University may be taking over investigation and remediation? Site is under a consent order, and I don't want to let it sit idle for too long because order has compliance milestones built into it that should be

adhered to. If Columbia's involvement is still unclear, I should probably complete my review of your remedial investigation plan and issue an approval letter, so you can proceed with investigation. Please let me know." Patty sent email reply: "Hi John − I left a message a couple minutes ago to get an update. I should hear back by tomorrow. I'm going to set up a date Thursday to get some $ and monitor wells for product. I'll email again tomorrow." − JK

12/09/11: Sent email to Patty Badding of EMS: "Hi Patty, I came across an EMS investigation work plan for this site on my desk top, and I seem to remember that you wanted me to hold off on approving it because there was a possibility that Columbia University might take over cleanup. Do you have any update on this site? If there are no indications of Columbia taking over spill cleanup, I will have to require that current Responsible Party move forward with work plan for off−site delineation and then preparation of a remedial plan. Please let me know." Patty sent reply: "Hi Jon, Yes, Columbia is going to take over property through eminent domain. I don't know how far along things are on takeover, but it is currently being operated by same owner. I will email his attorney to check status and get back to you." − JK

07/31/12: Received phone call from Ryan Manderbach of Langan Engrg., who stated that Columbia Univ. has taken over this property and is on verge of removing USTs; they plan to only remove tanks and surrounding soil, and not chase contam because area will be redeveloped by install'n of 200 ft. deep slurry wall and excavation of entire site to depth of 60 ft. I said it was okay to proceed with UST removal but that some closure assessment soil sampling and screening should be performed to document soil conditions, and PBS Application Form must be submitted to our PBS unit to provide notice of UST removal. Ryan agreed and said he would send email to confirm our discussion. − J. Kolleeny

08/09/12: On 8/8/12, received email from Ryan Manderbach of Langan: "Jonathan, Columbia University recently acquired subject property. Property is portion of a 2−block construction site that will be enclosed by a perimeter slurry foundation wall. Columbia proposes to remove 3 USTs from property prior to install'n of slurry wall. After tanks are removed, we plan to backfill excavation with clean fill and/or RCA. One soil sample will be collected from each tank bottom prior to backfilling of excavation. Future construction of property, in addition to slurry wall, includes excavation of majority of property to approx 45 ft below grade. At this time, we intend to excavate soil as necessary for UST closure. A demarcation layer will be placed between remaining soil and clean fill/RCA, and potentially contaminated soil that remains will be remediated during future development of property. All future activities related to spill will be coordinated with NYSDEC. Property is listed as "E" designated. NYC Office of Envt'l Remediation (OER) recently approved Remedial Action Plan (RAP) covering this property. Attached is OER−approved RAP (figures and appendices not included). Please note that this rpt was approved prior to Columbia acquiring this above referenced property. Please contact me with any questions." I sent back email reply (to (rmanderbach@langan.com): "Ryan, Thanks for your email and attachments. I understand that Columbia intends to move forward with removal of USTs at this site, with excavation of soil necessary to get USTs out and collection of soil samples from beneath each UST. I concur with this proposal, with understanding that Remedial Action Plan approved by OER for this and related properties, involving excavation of larger site to depths of 42−74 ft below grade and emplacement of slurry wall, will be implemented at some point in future and will address soil and GW impacts that extend beyond immediate UST area. I would like to ask that Langan Engrg & Envt'l Services determine if wells at this site still exist and are serviceable, and if so, that wells be gauged and sampled in near future to provide updated information on GW conditions. Also, a remedial investigation for this spill site needs to be completed (with a plan submitted for my review and approval), and once remedial investigation is completed, a Remedial Action Plan specific to this spill site should be prepared and submitted for my review/approval. Please let me know if you have any questions, and please keep me informed about progress at site." Uploaded Langan's RIR and RAP into eDocs. − J. Kolleeny

09/12/12: Reviewed Off−Site Spill Delineation Work Plan Modification rpt by Langan Engrg & Envt'l, dated 9/10/12 (in eDocs). This plan revises and updates Oct. 2010 Remedial Investig Work Plan for this site prepared by Envt'l Mgmt Solutions, which was not

implemented due to pending property transfer. Langan work plan proposes install'n of 3 off−site 2−inch wells to delineate potential off−site impacts − keeping two locations from EMS work plan, eliminating well to north in EMS plan, and adding another well to WSW. Plan states that at each boring, soil will be continuously sampled and screened for field indications of contam, e.g., odors, staining & PID readings, and that if gross contam is observed, soil samples may be collected for lab analysis. Following well install'n, wells will be developed & sampled, and investig summary rpt with results of these activities will be submitted to DEC. After confirming with Ryan Manderbach of Langan that existing wells were sampled prior to UST removal (2 of which were destroyed during UST pull), I sent approval letter (in eDocs) to:

Mr. Gregory Lempin
Columbia Univ. − Manhattanville Development
615 West 131st Street, 2nd Floor
New York, NY 10017
(212) 851−7058; gl2309@columbia.edu

but asking that usual DEC soil sampling protocol be followed (i.e., two samples per boring for lab analysis, from interval with highest PID reading and from interval just above GW; if no PID hits, then only sample from above GW), and requesting that, based on investig results and all available historical soil & GW data, a RAP specific to this site be prepared and submitted for DEC review/approval. − J. Kolleeny

06/12/13: Received email from Ryan Manderbach of Langan Engrng: "Jon, I wanted to notify you that contractor at Manhattanville has begun excavation for and install'n of slurry wall panels adjacent and on Site. Please give me a call if you have any questions." − J. Kolleeny

03/05/14: Reviewed UST Closure and Off−Site Spill Delineation Rpt by Langan, dated 2/13/14 (in eDocs in 3 parts: main text, figs & tables; Appendix A; and Appendices B−H). Rpt documents removal of three 4,000−gal USTs & assoc. piping, removal of 70 tons of contaminated soil, and collection of 3 end−point soil samples in Aug. 2012. Rpt also summarizes completion of 3 off−site soil borings, collection of soil samples, and install'n of three mon wells in October 2012, and sampling of GW from new and existing wells to evaluate GW conditions and potential off−site impacts. Based on data obtained, Langan concludes that there are petroleum impacts to on−site soil & GW, including 0.5 ft of LNAPL in well MW−4, but off−site soil and GW have not been significantly impacted. Langan recommends preparation of a RAWP to address on−site petroleum impacts during development of site. Prior to implementation of RAWP, Langan recommends implementing annual GW monitoring/sampling events for off−site wells, and further investigating free product in MW−4 by installing two up−gradient temporary wells to north and east. I sent letter (in eDocs) to Gregory Lempin of Columbia Univ (gl2309@columbia.edu), cc to Ryan Manderbach of Langan, approving these recommendations but requiring that (1) on−site wells also be monitored/sampled annually, (2) prior to preparation of RAWP, LNAPL recovery should be implemented as an IRM, with product removed from MW−4 by appropriate method and regular gauging (at least quarterly) of well for product recharge; if product returns, it should be removed and absorbent sock placed in well between gauging events, and (3) install'n of new up−gradient temporary wells should proceed prior to preparation of RAWP, with soil sampling during install'n; if product is identified in temporary wells, permanent wells should be installed at those locations and new wells added to LNAPL recovery program; addt'l wells may also be needed to further delineate LNAPL plume. If no product is found in temporary wells, GW grab samples should be collected to further delineate GW contaminant plume. Letter also requested that DEC be advised when well install'n has been scheduled. − JK

Map Identification Number 25 **ONE PINT OIL LEAKING FROM CABLE IN** **Spill Number: 0701987** **Close Date:**
WEST 130 STREET AT 12 AVENUE. MANHATTAN, NY TT−Id: 520A−0099−517
MANHOLE 47173

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2083 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: W 130TH ST / 12TH AVE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN Spiller: UNKNWON NAME − CON EDISON Spiller Phone:
Notifier Type: Other Notifier Name: Notifier Phone:
Caller Name: Caller Agency: Caller Phone:
DEC Investigator: JMOCONNE Contact for more spill info: ERT DESK‘ MIKE DAUGHTERY Contact Person Phone: (212) 580−8383

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
05/16/2007		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

.13gal of material spilled .... spill was on the 72hr. clock. There is still oil coming in the manhole now making it reportable.
No impact to the environment. The spill is contained to the manhole. Clean up pending resources and lab results. ConEd#205903

DEC Investigator Remarks:

205903. see eDocs

also see spill 0713803 (emis 210612).

06/22/10 − changed Lead DEC to JMOCONNE (JOC)

ACTIVE HAZARDOUS SPILLS − MISC. SPILL CAUSES − EQUIPMENT FAILURE, HUMAN ERROR, TANK OVERFILL, DELIBERATE SPILL, TRAFFIC ACCIDENT, HOUSEKEEPING, ABANDONED DRUM, VANDALISM AND STORMS − IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS.
All spills mapped and profiled within 1/8 mile. Between 1/8 mile and 1/2 mile search radius, spills reported to be greater than 100 units and spills reported in the NYSDEC Fall 1998 MTBE Survey are mapped and profiled. Spills reported to be less than 100 units are listed in a table at the end of this section.

Please Note: * − Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 26 **BROADWAY/W. 131ST ST** **Spill Number: 8303209** **Close Date:**
BROADWAY N/O W. 131ST ST MANHATTAN, NY TT−Id: 520A−0092−824

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1210 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: BROADWAY / W 131ST ST
Revised zip code: 10027

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	CON ED	Spiller Phone:	
Notifier Type:	Responsible Party	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	RVKETANI	Contact for more spill info:		Contact Person Phone:	

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
03/18/1984		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIELECTRIC FLUID	PETROLEUM	4000	GALLONS	0	GALLONS	SOIL

Caller Remarks:

Reported by Con Ed as required under Consent Order.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"

APPENDIX B SITE NO. 56.

01/28/2008: Site Investigation Report (SIR) received by NYSDEC from Con. Edison. See eDocs(MA, 03/2/08)

3/06/08: The Department sent comments letter to Con Ed in response to the SIR. Details in eDocs. (MA)

4/14/08: Langan's response letter on behalf of Con Ed has been received by the Department. See eDocs for details. (MA)

See related spill #8102002 for case notes since 2008.

Map Identification Number 27 **BROADWAY/W. 132ND ST** **Spill Number: 8102002** **Close Date:**
BROADWAY S/O W. 132ND ST MANHATTAN, NY TT−Id: 520A−0089−997

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1320 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: BROADWAY / W 132ND ST
Revised zip code: 10027

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	CON ED	Spiller Phone:	
Notifier Type:	Responsible Party	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	RVKETANI	Contact for more spill info:		Contact Person Phone:	

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/11/1982		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIELECTRIC FLUID	PETROLEUM	1000	GALLONS	0	GALLONS	SOIL

Caller Remarks:

Reported by Con Ed as required under Consent Order.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"

APPENDIX B SITE NO. 56.

01/28/2008: Site Investigation Report (SIR) received by NYSDEC from Con. Edison. See eDocs(MA, 03/2/08)

3/06/08: The Department sent comments letter to Con Ed in response to the SIR. Details in eDocs. (MA)

4/14/08: Con Ed's consultant (Langan) responded to NYSDEC comments letter of March 6, 2008. (MA)

2/13/12 − Raphael Ketani. I was given Con Ed site 56 to work on as my project. Associated spills for this site are #8102007, #8303209, #8912498, #9514638 and #0130047. However, spills #8102007, #8912498, #9514638 and #0130047 have been closed (leaving #8303209 as the only other open spill). The Con Ed spill locations are 56−1 to 56−8. Location 56−5 is being handled under separate cover (according to Con Ed). Also, according to Con Ed, locations 56−1, 56−3, 56−6 and 56−7 have been closed. This leaves locations 56−2, 56−4 and 56−8 as still open.

3/13/12 − Raphael Ketani. I tried to contact the new Con Ed project manager, Ed Wiederkehr (wee−der−ker) (718) 267−3868, but could only leave a voice message.

3/14/12 − Raphael Ketani. I tried to contact Mr. Wiederkehr, but could only leave a voice message. Next, I tried to contact Barry Cohen (718) 204−4252, the former Con Ed manager, but I could only leave a voice message.

Mr. Wiederkehr responded by e−mail as he was out of the office. He asked what the DEC wanted to discuss about site 56. I responded back that we needed to know the current status of progress on the remediation. I also added that I thought the discussion regarding method 8100M had been resolved and that it was now up to Con Ed to do the remediation and send the DEC the end point results.

Later, Barry Cohen of Con Ed (718) 204−4252 responded back that they were waiting for Tim LeBarron of DEC to review the information regarding method 8100M.

3/15/12 − Raphael Ketani. I received an e−mail today regarding test method 8100M (8015). Attached to this e−mail was a letter from Hassan Hussein, EE 3 Region 2, to Mr. Madsen of Con Ed. In the letter, Mr. Hussein stated that 8100M was approved provided the same standard operating procedure was used and that the samples were processed by a lab which is ELAP certified for 8100M/8015. Gravimetric method 9071A, method 9071 and method 9071B were also approved with the same requirements. So, the way seemed to be clear for Con Ed to start sending samples to the lab and for generating analytical results.

4/11/12 − Raphael Ketani. I drafted a letter for the review of Hassan Hussein, EE III at the Department. In the letter

1) I approved the Langan September 2008 Remedial Action Work Plan;
2) included two conditions which had originally been put forth by the previous project manager, Joseph O'Connell, in his December 15, 2011 letter;
3) referenced letters sent by Mr. Hussein on Febuary 14, 2012 and March 15, 2012 in which he states that test methods 8100M, 9071, 9071A, 9071B, 8015B and 8015C had been approved by the Department;
4)and stated that the additional requirements for submission of the test method SOP, and all documentation related to the first set of analyses by any laboratory using the Modified EPA Method 8100, remain as indicated.

The letter was approved by Mr. Hussein and sent out today.

2/21/2013 − Raphael Ketani. I contacted Ed Wiederkehr (wee−der−ker) (718) 267−3868 by phone and told him that the DEC hadn't heard about any progress regarding the remediation of the contamination at the Con Ed sites 56−2, 56−2 and 56−8. I added that we were very concerned that no progress was taking as this is a high priority case. Mr. Wiederkehr apologized for not keeping the DEC informed about what was going on and responded that the work will start during the second quarter of 2013. I told Mr. Wiederkehr to keep the DEC updated and to let us know several days in advance of when the work will start. He said that he will.

Map Identification Number 28 **DASNY** **Spill Number: 0300340** **Close Date:**
W.135TH ST & ST NICHOLAS MANHATTAN, NY TT−Id: 520A−0090−543

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1569 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: W 135TH ST / SAINT NICHOLAS TER
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Fire Department	Notifier Name:	FF KELLY	Notifier Phone:	(917) 769−0483
Caller Name:	FF KELLY	Caller Agency:	FDNY HAZMAT 1	Caller Phone:	(917) 769−0483
DEC Investigator:	rmpiper	Contact for more spill info:	FF KELLY	Contact Person Phone:	(917) 769−0483

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/10/2003		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	200.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

REPORTED TO THE FDNY AS A 200 GALLON PLUS HEATING OIL SPILL AT THE ABOVE LOCATION − CALLER STILL ENROUTE TO THE SCENE

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SAWYER"
Mike Mulqueen called from this location.
Jeff responded immediately, by visiting the location.

Dispatcher # 280 (NYFD), called for spill #. E.R.
This spill was called in again by Al Eastman Tank Cleaners.
Spill # 0300342 E.R.
4/24/2003−Vought−Site summary by Vought:
4/10/2003−Vought−Site visit by Vought. FDNY on−scene. Spill caused by Leak in flange, non−working high level alarm and malfunction of petrometer resulting in overfill of tank. Tank manway bolts missing from tank resulting in filling of manway. Upon FDNY arrival tank manway filled with oil and rising bubbles indicating loss of oil to subsurface (FDNY approximates that 700 gallons lost to subsurface). In addition to loss of fuel through manway, spill also overflowed out of manway and ran down lawn and seeped through basement wall into Marshak Science Building. Delivery performed by Empire State Fuel Oil. No spill occurred out of vent pipe. Spill occurred to Tank #1. Delivery ordered by DASNY. Interagency meeting held by Vought. NYSDEC requires
1) Monitoring of basement wall for product seepage and recovery
2) Excavation of all impacted soil including endpoint samples, powerwashing of sidewalk, tank repair (high level alarm, petrometer and manway bolts) and borings around tank.
3) Tightness testing of tanks.
4/14/2003−Vought−Received e−mail from Rolando Arco (PSI, Inc. 212−889−0294) stating that scope of work being put together and requesting a call to Jane Weber (PSI−917−602−4246). Vought also received attached document from Bruce Suffern stating sidewalks were powerwashed, soil excavation was started to a depth of 12'below grade (approximately 20 cubic yards of soil were removed), and cleanup of basement seepage area. Endpoint samples collected by PSI who will also oversee remediation.
4/18/2003−Vought−Received email from Rolando Arco stating that initial delineation will take place on 4/21 followed by submission of laboratory results and work description to NYSDEC.
4/23/2003−Vought−Received document from Bruce Suffern stating that 23 soil borings were performed in vicinity of UST's. Site plan and analyticals will be sent to NYSDEC.
4/24/2003−Vought−Called Rolando Arco and left message that Vought will call Weber. Vought called Weber and no endpoint samples taken from excavation. Approximately 13 borings performed with 23 soil samples. More borings will be performed on 4/28 to delineate tanks and lawn contamination. Very minor amount of contamination seeping into basement. Jane Weber will send report by 5/18. Tank #1 still being used despite lack of tightness test. Vought called Thomas Zakarian to affirm requirement of tightness test and that Tank should not be used until test is performed. Zakarian agreed to have the tank tested immediately.
4/28/2003−Vought−Site visit by Vought on 4/28/2003. Three excavations performed and sealed with plastic 1)soil adjacent to curb excavated to depth of 2' 2)soil adjacent to wheelchair ramp excavated to depth of 4' 3)lawn excavated to depth of 2'. Twenty three soil borings will be performed by PSI and results will be sent to NYSDEC. Bedrock depth ranging from 16' below grade adjacent to basement to 4' below grade adjacent to curb.
9/16/2003−Vought−NYSDEC requires: 1)Tank testing of Tank #1 2)Results of subsurface investigation 3)Removal of contaminated soil bewtween tanks and building 4)repair of tanks including manway, high level alarm and petrometer. Letter sent to CCNY with the above requirements. Vought called Esther Hundley (212−541−0430) and left message to return call with address for letter.
1/7/04−Vought−Spill transferred from Vought to Austin.
01/27/04 − Sawyer − Spill transferred from Austin to Sawyer.
12/16/05− DEC Piper placed call into rolando at PSI to get update/info.
1/4/06− DEC Piper spoke w/ Tarek at Langan Eng. regarding open spill. Though an investigation was performed, and #2 fuel oil was encountered, and oil was seeping into the basement of the MArshak bld, no remedial measures were taken. Piper placed call into Ester Hundley at CCNY requesting call back. DEC Piper received call form Esther regarding site. She will provide letter regarding status, activities at the Marsack Bldg.
5/8/06−Piper placed call into Ester Hundley at CCNY requesting call back.
5/10/06− DEC Piper placed call into Howard Apsan 212 794 5555− Director of Env Health and Safety, CUNY. Left message requesting callback and info.

4/30/07− DECP iper left message for Brian Newman w. Mgmt co.

Map Identification Number 29 **RESIDENCE BASEMENT** **Spill Number: 1310829** **Close Date:**
98 MORNINGSIDE AVENUE MANHATTEN, NY TT−Id: 520A−0297−242

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (3)
Approximate distance from property: 1942 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: UNKNOWN

Source of Spill: PRIVATE DWELLING Spiller: MICHAEL SAVINO − STATEWIDE OIL Spiller Phone:
Notifier Type: Other Notifier Name: Notifier Phone:
Caller Name: Caller Agency: Caller Phone:
DEC Investigator: HRPATEL Contact for more spill info: ANTHONY LARA Contact Person Phone: (917) 709−3317

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/15/2014		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	2000	GALLONS	0	GALLONS	INDOOR AIR, SEWER

Caller Remarks:

residencial multi dweling. contained to basement. pumping oil now

DEC Investigator Remarks:

2/17/14 TJD
Primary dispatched Secondary Responder (Patel to site). Riteway Tank Service retained for cleanup − onsite with vac trucks for recovery. Drains affected − NYCDEP notified. Initial investigation reveals tank failure.

02/15/14−Hiralkumar Patel.
8:45 PM:− visited site. met Anthony Lara and Gerardo Merejildo (building super). site has one 5,000 gal AST sitting on floor. remote fill port is located along the curb on Morningside Ave. the vent pipe is located on western foundation wall.

as per Gerardo, he ordered 2,000 gal #4 oil and Statewide delivered oil around 4 PM. Statewide delivered total of 1,900 gal before oil spilled from vent pipe. observed oil, under vent pipe, in sub−grade alley along the western wall of the building. oil

sprayed onto western wall also due to overfill. Mr. Gerardo mentioned that delivery driver was aware of spill from the vent pipe.

Anthony mentioned that oil started leaking from bottom of the tank and due to oil pressure in tank, oil splashed onto tank room wall as high as 6 ft.

inspected basement boiler room. found oil seeping through wall between tank and boiler room. inspected tank room. found oil on tank room floor. found a break in tank room wall, on floor, where a steam line goes to other part of basement. due to break in tank room wall, spilled oil from tank ran outside the tank room. inspected impacted area outside the tank room. Riteway crew pumped out loose product from floor, but further cleanup needed. observed a pit in the next room. spilled oil got into this pit. found opening under the west wall of this pit.

found petroleum odors in main lobby on first floor. asked Anthony to set up ventilation systems in basement as well as lobby on first floor. also asked to seal the fill port to prevent any misdelivery.

as per Gerardo, no vapor complaints received from any tenant. its 7 story building.

9:17 PM:− spoke with Michael Savino at Statewide. discuss about no spill reports from oil company when spill occurred at 4 PM and driver knew about the spill. Mike mentioned that prior to reporting spill, he wanted Anthony Lara to inspect the site. informed Mike about possible relocation, due to vapors in building.

9:38 PM:− spoke with Marry Gorgon (718−209−1558), maintenance supervisor at building management. informed her about possible relocation, due to vapors in building.

02/16/14−Hiralkumar Patel.
12:08 PM:− spoke with Anthony. he installed a temp tank and ventilation fans in building. he has not received any vapor complaint. no further cleanup in progress as waiting for signed proposal.

02/18/14−Hiralkumar Patel.
alternate addresses: 364 West 123rd Street, 95 to 97 Morningside Ave, 96 to 98 Morningside Ave

PBS #: 2−195790. as per PBS record, the site has one 5,000 gal #6 oil AST in contact with soil.

other spills #: 1206053, 1206166

spill # 1206053 was reported on 09/19/12 due to #4 oil spill into tank room. DEC Rahman visited site and observed oil puddles in tank room. Associated Env. did subsurface investigation, via installation of six borings, in tank room and found no contamination. they also conducted indoor air survey. based on available information, case closed.

spill # 1206166 was reported on 09/21/12 by Castle Oil due to 50 gal #4 oil spill. case closed and merged with spill # 1206053.

98 Morningside, Inc. **property owner**
c/o Equity Management
95 Delancey Street, 2nd floor
New York, NY 10002

Attn.: Baruch Singer **property manager**
Ph. (212) 254−4374
email: bsingerem@earthlink.net

Gerardo Merejildo **building super**
Ph. (646) 879−7799

Statewide Oil & Heating Co., Inc. **oil company**
611 Court Street
Brooklyn, NY 11231
Attn.: Michael Savino
Ph. (718) 858−9000 (O)
(646) 996−6108 (C)
Fax (718) 403−0011
email: msavino@statewideoil.com

10:12 AM:− spoke with Anthony. he mentioned that no further cleanup happened over the weekend. he is working on cost estimate and will send to building manager.

11:32 AM:− spoke with Ms. Gorgon at management. she confirmed that building owner will do required cleanup. she also mentioned that a new gas heating system will be installed soon and they will not install any new oil tank.

02/21/14−Hiralkumar Patel.
2:30 PM:− visited site. met Joe from Riteway. inspected main lobby on 1st floor and basement. no petroleum odors noted in main lobby. a window fan was in operation in main lobby. no petroleum odors noted in basement, other than spill impacted areas around the tank room. Riteway crew installed another temp tank today and will resume cleanup. spill cleanup under the vent pipe is completed. some oil noted in corner of boiler room floor. air scrubber in operation in the basement. Joe mentioned about inspection by NYC DOH inspector earlier today.

another spill reported (spill #: 1310999) by NYC DOH inspector.

3:19 PM:− spoke with Allan Friedman at NYC DOH. informed him about on−going spill investigation/cleanup. Allan asked for copy of spill report.

02/24/14−Hiralkumar Patel.
12:43 PM:− sent letter to Mr. Singer and Mr. Savino requiring delineation of contamination and endpoint samples. also asked to test tank system, prior to filling it again. asked them to submit report by the end of 04/30/14. letter emailed to Mr. Singer, Mr. Savino and Anthony.
12:50 PM:− sent email to Allan at NYC DOH, including copy of spill report.

03/04/14−Hiralkumar Patel.
2:25 PM:− visited site. no petroleum odors noted in main lobby or basement. found exhaust fan in room, behind tank room where most of oil accumulated.

03/10/14−Hiralkumar Patel.
9:33 AM:− spoke with Rob at Riteway. they drilled four boreholes in tank room corners and found contamination underneath the floor. Rob has sent proposal for tank removal and working on it.

report due on 04/30/14.

THE FOLLOWING ACTIVE SPILLS FOR THIS CATEGORY WERE REPORTED BETWEEN 1/8 MILE AND 1/2 MILE SEARCH RADIUS FROM THE SUBJECT ADDRESS. THESE SPILLS WERE REPORTED TO BE LESS THAN 100 UNITS IN QUANTITY AND CAUSED BY: EQUIPMENT FAILURE, HUMAN ERROR, TANK OVERFILL, DELIBERATE SPILL, TRAFFIC ACCIDENT, HOUSEKEEPING, ABANDONED DRUM, VANDALISM, OR STORMS. THESE SPILLS ARE NEITHER MAPPED NOR PROFILED IN THIS REPORT.

FACILITY ID	FACILITY NAME	STREET	CITY
1108203	APARTMENT BLD.	2411 FREDERICK DOUGLASS BLVD	NEW YORK
9302776	619 W 125TH ST	619 W 125TH ST	MANHATTAN
1307426	132ND ST STATION	624 W132 ST	MANHATTAN
0904762	I.S 195 SCHOOL	625 WEST 133RD ST/3333 BROADWAY	MANHATTAN
0301927	NYCSCA − PUBLIC SCHOOL 192	500 W 138TH ST	NEW YORK
0104577	APARTMENT BUILDING	303 WEST 122ND ST	MANHATTAN

CLOSED STATUS TANK FAILURES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

Please Note: * − Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 30 **MT. WILSON PARTNERS APTS.** **Spill Number: 9401941** **Close Date: 07/10/1994**
412 W.129TH STREET MANHATTAN, NY TT−Id: 520A−0092−058

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 704 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	SAME	Spiller Phone:	
Notifier Type:	Responsible Party	Notifier Name:		Notifier Phone:	
Caller Name:	THERESA COLON	Caller Agency:	MT WILSON PARTNERS	Caller Phone:	(212) 254−4374
DEC Investigator:	MCTIBBE	Contact for more spill info:	SUPERINTENDENT APT. 12	Contact Person Phone:	(212) 663−9334

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/20/1994	05/14/1994	TANK FAILURE	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	100.00	GALLONS	100.00	GALLONS	SOIL

Caller Remarks:

SPILL ONTO COURT YARD. VIA INTO STORM DRAIN. IN PROCESS OF BEING CLEANED UP VIA AL. EASTMOND & SONS. MARK TIBBE ON SCEENE HERNANDEZ OF DEP ON SCENE. CLEANUP TODAY.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"

A.L. EASTMOND HIRED TO CLEAN COURTYARD AND STORM DRAIN. CLEANED BY SPILLER.

Map Identification Number 31 **MANHATTANVILLE** **Spill Number: 8905490** **Close Date: 05/01/1995**
W 133RD ST & AMSTERDAM AV NEW YORK CITY, NY TT−Id: 520A−0090−892

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 941 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: W 133RD ST / AMSTERDAM AV
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Local Agency
Caller Name: ANTHONY SIGONA
DEC Investigator: HEALY
Spiller: NYC HOUSING AUTHORITY
Notifier Name:
Caller Agency: NYSDEC
Contact for more spill info:
Spiller Phone:
Notifier Phone:
Caller Phone: (718) 482−4933
Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved	Meets Cleanup Standards	Penalty Recommended
09/01/1989	05/01/1995	TANK FAILURE	2−474916	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	−1.00	UNKNOWN	0.00	UNKNOWN	GROUNDWATER

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		Unknown	0.00	UNKNOWN

Caller Remarks:

NYCHA WILL TEST ALL THE TANKS & PROCEED WITH THE PROPER ACTION.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 32 **501 WEST 134TH ST** **Spill Number: 0403911** **Close Date: 01/28/2005**
501 WEST 134TH ST MANHATTAN, NY TT−Id: 520A−0091−532

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1277 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	PRIVATE DWELLING	Spiller:	LEWIS	Spiller Phone:	(347) 408−9673
Notifier Type:	Other	Notifier Name:	NOEL HINDS	Notifier Phone:	(718) 665−5700
Caller Name:	NOEL HINDS	Caller Agency:	STUYVESANT FUEL OIL	Caller Phone:	(718) 665−5700
DEC Investigator:	TJDEMEO	Contact for more spill info:	LEWIS	Contact Person Phone:	(347) 408−9673

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/12/2004		TANK FAILURE	YES	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	1500	GALLONS	0	GALLONS	SOIL

Caller Remarks:

tank ruptured caused about 1500 gallons to spill.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "DEMEO"
cont. soil ltr sent to:

Arthur Weigold

West 134th St Realty Corp

1220 Lexington Ave − Suite 2E

New York, NY 10029

1/28/05 TJD
Initial cleanup by ABC tank cleaners. Tank overfill. 2000 gallons AST had a loose patch on tank top causing discharge to

basement floor during delivery. Basement excavated to bedrock. Site inspected no additional soil excavation possible. Permission to backfill given verbally to building manager (sean). Disposal manifest for 15 yds of contaminated soils were submitted. No further action required. Spill closed.

Map Identification Number 33 **WEST 132ND PURRS PLANT** **Spill Number: 9708092** **Close Date: 10/09/1997**
630 WEST 132ND STREET MANHATTAN, NY TT−Id: 520A−0099−481

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1809 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL VEHICLE	Spiller:	STEVE ROMERO − CON EDISON	Spiller Phone:	(212) 580−6763
Notifier Type:	Responsible Party	Notifier Name:	MR MCGROARTY	Notifier Phone:	(914) 966−0629
Caller Name:	STEVE ROMERO	Caller Agency:	CON EDISON	Caller Phone:	(212) 580−6763
DEC Investigator:	CAENGELH	Contact for more spill info:		Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/09/1997		TANK FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
ANTIFREEZE	OTHER	4.00	GALLONS	4.00	GALLONS	SOIL

Caller Remarks:

LEAK FROM STORAGE TANK FOR COOLING SYSTEM. ONTO CONCRETE AND BLUESTONE. BEING CLEANED UP. ARRANGEMENTS BEING MADE FOR REPAIRS.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ENGELHARDT"
E2MIS 112159

09−OCT−1997 09:35:00 W132ND PURRS OPER MCGROARTY.M#56376 REPORTS GLYCOL LEAK FROM PURRS GLYCOL TANK. APPROX 4 GAL IN

BLUESTONE/PAD. TANK IS LEAKING APPROX 4 DROP/MIN; OPER PLACED PADS & VALVED OFF TAN (V172 & V173). OPER CONTACTED SHIFT SUP

BRYAN.T#95790. CIG. ROMERO.S#09880 CONTACTED 09−OCT−1997 10:35:00 REPORT ENTERED BY T.D FIGUERAS#11539 09−OCT−1997

09−OCT−1997@14:20 ASMP SUPERVISOR ARMSTRONG

#89176 REPORTS JOB COMPLETED BY ASMP MECHANICS FALU #48959 AND ESTELLA #14981 VALVES #V172 AND #V173 TIGHTEN LEAK REPAIRED

AT 14:00. AREA CLEANED DEBRIS AND BLUESTONE PLACED IN 55 GAL DRUM. UPDATE TAKEN BY E2MIS

Map Identification Number 34 **YOUNG RESIDENCE** **Spill Number: 0508285** **Close Date: 09/29/2006**
355 W. 123RD ST. NEW YORK, NY TT−Id: 520A−0091−644

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1864 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	PRIVATE DWELLING	Spiller:	JAMES YOUNG − YOUNG RESIDENCE	Spiller Phone:	(212) 828−8573
Notifier Type:	Other	Notifier Name:	JOYCE WHEELER	Notifier Phone:	(516) 686−2030
Caller Name:	JOYCE WHEELER	Caller Agency:	PETRO	Caller Phone:	(516) 686−2030
DEC Investigator:	SFRAHMAN	Contact for more spill info:	JAMES YOUNG	Contact Person Phone:	(212) 828−8573

Category: Possible petroleum release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters, known releases with no potential for damage, or non−petroleum/non−hazardous spills.
Class: Any Type of RP, Including No RP − DEC Field Response − Corrective Action Not Required or Not Possible

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/11/2005		TANK FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	5.00	GALLONS	0.00	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
	275	Unknown	0.00	UNKNOWN

Caller Remarks:

Tank was leaking releasing 5 gal of material onto the dirt floor. Petro will be stopping the leak. Unknown who is doing the clean

up.

DEC Investigator Remarks:

Sangesland called Petro requesting further details − Rep will call back

This spill needs follow−up
10.28.05 Sharif− I called James Young who was not available at that time.Left messege for him to call back about the clean up of the spill.
03/01/06 Sharif Rahman− I spoke with Madeline Reese,(212)828−8573 and she would relay the department's concern to James Young.
03/27/06 Sharif Rahman− Clean up letter went to
James Young
355 W 123rd Street, Apt#1A
New York, NY 10027
05/11/06 Sharif Rahman− I called Petro ,516−686−2030 and spoke with Keanny @ ext.3324. He informed me the customer's account is not active now and the customer did not respond to fix the tank problem. So, they suspended the delivery due to unsafe condition of the tank.
08/07/06 Rahman− Tried to inspect the baement tank room, but could not get access as no body was found in the house. It looked like the house is now abandoned and no body lives there.Certified mail letter dated May 11' 06 returned undelivered.

Map Identification Number 35 **UNIVERSITY, MARSHAK BUILDING** **Spill Number: 0407291** **Close Date: 12/28/2005**
137TH STREET NEW YORK, NY TT−Id: 520A−0096−815

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (2)
Approximate distance from property: 1962 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: 137TH ST
Revised zip code: NO CHANGE

Source of Spill:	UNKNOWN	Spiller:	JOESEPH WAGNER − UNIVERSITY, MARSHAK BUILD	Spiller Phone:	(917) 748−3664
Notifier Type:	Tank Tester	Notifier Name:	JIM MCMANUS	Notifier Phone:	(800) 666−2605
Caller Name:	JIM MCMANUS	Caller Agency:	TANKNOLOGY	Caller Phone:	(800) 666−2605
DEC Investigator:	ADEBONG	Contact for more spill info:	JOESEPH WAGNER	Contact Person Phone:	(917) 748−3664

Category: Possible petroleum release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters, known releases with no potential for damage, or non−petroleum/non−hazardous spills.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

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Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/30/2004		TANK FAILURE	NO	NO

NO MATERIAL INFORMATION GIVEN FOR THIS SPILL

Caller Remarks:

NO CHANCE OF SPIULL, A PROBLEM WITH THE LINES, RECOMMENDING THAT THEY ISOLATE THE TANK FROM THE LINES GOING INTO THE BUILDING AND RETEST.

DEC Investigator Remarks:

12/28/05: Initial records on file shows that the tank test failure did not result in a spill. I have recieved tank test report from this facility, the reports shows that tank passed the tightness test.(akwa)

Map Identification Number 36 **500 WEST 138TH ST/PS 192** **Spill Number: 8906780** **Close Date: 01/21/2004**
500 WEST 138TH STREET NEW YORK CITY, NY TT−Id: 520A−0096−812

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2171 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	INSTITUTIONAL, EDUC, GOV, OTHER	Spiller:	NYC BD OF EDUCATION	Spiller Phone:	
Notifier Type:	Responsible Party	Notifier Name:		Notifier Phone:	
Caller Name:	MR. MARIO ARENA	Caller Agency:	NYC BD OF EDUCATION	Caller Phone:	(718) 706−3806
DEC Investigator:	SIGONA	Contact for more spill info:		Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

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Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved	Meets Cleanup Standards	Penalty Recommended
09/07/1989		TANK FAILURE	2−354155	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		Unknown	0.00	UNKNOWN

Caller Remarks:

STAIN ON GROUND AROUND FILL PIPE, MAY REMOVE TANK.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 37 **344 WEST 122ND STREET** **Spill Number: 9711778** **Close Date: 01/21/1998**
344 WEST 122ND STREET MANHATTAN, NY TT−Id: 520A−0092−466

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2269 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	PRIVATE DWELLING	Spiller:	JAMES WILLIAMS − 344 WEST 122ND STREET	Spiller Phone:	(212) 222−0113
Notifier Type:	Responsible Party	Notifier Name:	JAMES WILLIAMS	Notifier Phone:	(212) 222−0113
Caller Name:	ROBERT CABASSA	Caller Agency:	M & B TRUCKING	Caller Phone:	(718) 328−3275
DEC Investigator:	SMMARTIN	Contact for more spill info:	JAMES WILLIAMS	Contact Person Phone:	(212) 222−0113

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/21/1998		TANK FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	15.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

CALLER FILLED TANK AND FOUND LEAK AT BOTTOM OF TANK.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MARTINKAT"
GETTING SOMEONE TO PUMP OUT THE TANK AND GETTING ESTIMATES TO REPLACE IT. 2 FAMILY HOUSE. (10:15 SPOKE TO JAMES WILLIAMS OWNER)

Map Identification Number 38 **28TH PRECINCT NYPD −DDC** **Spill Number: 0550474** **Close Date: 06/17/2005**
2271−89 EIGHTH AVE NEW YORK, NY TT−Id: 520A−0097−168

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2321 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: 2271−89 8TH AVE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Spiller: NYPD
Spiller Phone:
Notifier Type: DEC
Notifier Name: JON KOLLEENY
Notifier Phone: (718) 482−6388
Caller Name: JON KOLLEENY
Caller Agency: NYSDEC
Caller Phone: (718) 482−6388
DEC Investigator: JAKOLLEE
Contact for more spill info: TANVIR AHMAD
Contact Person Phone: (718) 391−1003

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/01/1996		TANK FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	0	UNKNOWN	0	UNKNOWN	SOIL

Caller Remarks:

2,500−gal gasoline tank removed in mid−1990s, dispenser suspected to have leaked. Spill was not reported at the time.

DEC Investigator Remarks:

Limited site investigation performed by Promatec/TRC, found very minor impact to soil, but not all locations were sampled, and wells installed appear not to have been downgradient from the tank. However, after meeting at site with consultants, it became apparent that additional investigation would be impossible due to space constraints and the nearby presence of subsurface utilities and a subway line. In light of this and minor nature of contamination identified, DEC agreed to No Further Action status for site in letter issued 9/5/97. − J. Kolleeny

Map Identification Number 39 **COLLEGE BUILDING** **Spill Number: 0609745** **Close Date: 11/28/2006**
106 MORNING SIDE DRIVE NEW YORK, NY TT−Id: 520A−0098−109

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2321 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: 106 MORNINGSIDE DR
Revised zip code: 10027

Source of Spill:	PRIVATE DWELLING	Spiller:	DAVID RENN − RENN HOME	Spiller Phone:	(212) 678−3116
Notifier Type:	Other	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	rvketani	Contact for more spill info:	DAVID RENN	Contact Person Phone:	(212) 678−3116

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/27/2006		TANK FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	25.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

IN BASEMENT: TANK NEEDS TO BE CLEANED AND TAKEN CARE OF

DEC Investigator Remarks:

11/28/06 − Raphael Ketani. This spill case was called in by Rene Lewis of A. L. Eastmond about 1 hour after the first spill was called in for the site. The earlier spill case is #0609739 and will be kept open. Case #0609745 is being closed administratively due to the earlier associated case.

Map Identification Number 40 **636 ASSETS INC** **Spill Number: 9813620** **Close Date: 05/20/1999**
636 W 136TH ST MANHATTAN, NY TT−Id: 520A−0092−581

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2354 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	LETTI (MANAGER) − 636 ASSETS INC	Spiller Phone:	(212) 645−4612
Notifier Type:	Other	Notifier Name:	ISAAC MUNGRA	Notifier Phone:	(718) 624−4842
Caller Name:	ISAAC MUNGRA	Caller Agency:	PETROLEUM TANK CLEANERS	Caller Phone:	(718) 624−4842
DEC Investigator:	SMSANGES	Contact for more spill info:	LETTI (MANAGER)	Contact Person Phone:	(212) 645−4612

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved	Meets Cleanup Standards	Penalty Recommended
02/08/1999		TANK FAILURE	2−246689	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	50.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

SPILL IS PROCESS OF BEING CLEANED UP.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SANGESLAND"
200 CALL PTC− IN TANK ROOM− TANK HAS LEAKS ON TOP IN SEAMS. PUMPING TANK OUT. TEMP. TANK BEING DELIVERED. CALLED IT REGISTRATION HAS EXPIRED.

5/20/99 SMS CALLED LETTI (MANAGER) WAS TOLD NEW TANK WAS INSTALLED. MANAGER FAXED A COPY OF BILL TO REPLACE TANK ($23,894)

SITE VISIT W/ SUPER "JULIO" CONFIMED CLEAN UP AND NEW TANK

Map Identification Number 41 **UPTOWN REALITY** **Spill Number: 9808120** **Close Date: 01/02/2001**
222−224/226−228 W.125TH MANHATTAN, NY TT−Id: 520A−0099−447

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2541 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 10027

Source of Spill: COMMERCIAL/INDUSTRIAL Spiller: Spiller Phone:
Notifier Type: Other Notifier Name: Notifier Phone:
Caller Name: NINA LUBAN Caller Agency: LOEB & LOBE Caller Phone: (212) 407−4908
DEC Investigator: SMSANGES Contact for more spill info: NINA LUBAN Contact Person Phone: (212) 407−4908

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.
Class: Unable or Unwilling RP − DEC Field Response − DEC Corrective Action Required

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/16/1998		TANK FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

CALLER WAS EMPLOYED TO DO SOIL SAMPLES AND TEST FROM AN ABANDONED

TANK USING METHOD 82−70 −− CANTAMINATED SOIL FOUND −− MIKE

MULQUENE HAS ALREADY TALKED TO CALLER ABOUT THIS CONDITION

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SANGESLAND"
7/29/99 Bob Abramo (718−624−7490)− Abra Consulting −called − He has just been hired by the owner to close out this spill. He has a copy of soil boring work & test results for borings done around the abandoned 3,000 gal fuel oil storage tank buried in rear of shoe store.

Sangesland asked Mr. Obrano to send a copy of these test results along with a 1−2 page description of "Proposed Plan Of Action" for work to be done to clean up the site. Some sort of Bio may be called for since the tank can not be moved.

8/26/99 − Sangesland read the report forwarded by Mr. Abramo and agreed with Mr. Abramo's plan to install 1 or 2 wells in the area around the abandoned tank in the sidewalk. Sangesland said if the depth to ground water was too much (50+ ft) then it would not be representitive of the tank (problems could be from further away)..... Problem still remains what to do about the confirmed contamination.

2/11/2000 − Mr. Abramo called to say one well was installed to 27' Sample tested to 8021 and 8270 All results were below limits except (enbyutel benzene 52 ppm). There still is contamination of soil between tank and building. Sangesland asked Mr. Abramo to propose some type of remediation (Bio?) on the trapped soil contamination.

Mr. Abramo proposed ORC. Sangesland said no. DEC requires some type of biological "bugs" which will be injected into the soil to work on the problem above the groundwater line.

5/2/2000 − Mr. Abramo said "Bio Rem" Rep suggests 4 geoprobe type injection wells around the tank along with 1,000 gal of Biorem. Sangesland said to go ahead, leave the site until Sept 1st and then retest the monitoring well. Hopefully it will be clean and

can be closed out.

9/25/2000 − Mr. Ed Correll (Soil Mechanics 516−221−7500) was hired by the owner do what it takes to close out the case. Mr. Correll was told of the DEC history on the site. Sangesland asked Mr. Correll to do the following:

1) Get specific details on what type of "Bio" work was done in July 2000 (DEC has no records).

2) After a "couple" of months, retest the existing well and conduct another geoprobe between the tank and the building to check the condition.

3) Prepare a report that either shows the site is clean or "Justifies" why the existing contamination is not a problem Contamination is contained, encapsulated and would undermine the building if it were removed.

If a report is submitted, DEC will review it and determine if additional work is needed.

12/13/2000 − Thomas McCurdy of The Breakthrough Group (856−810−3402) submitted a closure request letter. It states that at some point (approx 8/2000) an application of Bio−Rem was made at two points between the tank and the building. On 10/24/2000 MW−1 was sampled and found non−detect for all contaminants within 8270 & 8021. MTBE = 1 ppb

1/2/2001 − Spill has been closed

CLOSED STATUS TANK TEST FAILURES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

Please Note: * − Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 42 **AMSTERDAM DEPOT** **Spill Number: 9110838** **Close Date: 11/30/2000**
1381 AMSTERDAM AVENUE NYC, NY TT−Id: 520A−0099−458

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 239 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	INSTITUTIONAL, EDUC, GOV, OTHER	Spiller:	NYCTA	Spiller Phone:	
Notifier Type:	Tank Tester	Notifier Name:		Notifier Phone:	
Caller Name:	CLARK	Caller Agency:	TANKNOLOGY	Caller Phone:	(609) 753−9111
DEC Investigator:	MCTIBBE	Contact for more spill info:		Contact Person Phone:	

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/17/1992		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	−1.00	POUNDS	0.00	POUNDS	GROUNDWATER

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		Unknown	0.00	UNKNOWN

Caller Remarks:

E I & R

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
11/22/94: REASSIGNED FROM SIGONA TO ZHITOMIRSKY ON 11/22/94.

reassigned from zhitomirsky to hale. REASSIGNED FROM HALE TO TIBBE ON 11/30/00. SEE ALSO 9404949. SEE FILE.

Map Identification Number 43 **MANHATTANVILLE** **Spill Number: 9808324** **Close Date: 03/25/1999**
1430 AMSTERDAM AV MANHATTAN, NY TT−Id: 520A−0094−521

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING − LARGE SITE
Approximate distance from property: 709 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 10027

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Tank Tester
Caller Name: SEBASTIAN LOREFICE
DEC Investigator: SACCACIO

Spiller: FRANK OCELLO − NYC HOUSING AUTHORITY
Notifier Name: SEBASTIAN LOREFICE
Caller Agency: NEW YORK CITY HOUSING AUT
Contact for more spill info: FRANK OCELLO

Spiller Phone: (212) 306−3229
Notifier Phone: (212) 306−3229
Caller Phone: (212) 306−3229
Contact Person Phone: (212) 306−3229

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved	Meets Cleanup Standards	Penalty Recommended
10/06/1998		TANK TEST FAILURE	' −474916'	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
1	23500	Horner EZ Check I or II	0.00	UNKNOWN

Caller Remarks:

TO BE ISOLATED AND RETESTED

DEC Investigator Remarks: DEC INVESTIGATOR REMARKS NOT AVAILABLE FOR THIS SPILL ACCORDING TO THE LAST UPDATE.

The following DEC Investigator Remarks were available prior to 1/1/2002:

3/25/99 −Saccacio− Subsequent tank test failure. Previous tank test failure (9402164) on 2/26/93 will be closed and previous tank test failure (9004122) on 7/13/90 will remain open. Spill closed 3/25/99.

Map Identification Number 44 **MANHATTANVILLE** **Spill Number: 9402164** **Close Date: 03/25/1999**
1430 AMSTERDAM AVENUE NEW YORK CITY, NY TT−Id: 520A−0094−519

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING − LARGE SITE
Approximate distance from property: 709 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 10027

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Spiller: NYC HOUSING AUTHORITY
Spiller Phone: (212) 306−3142
Notifier Type: DEC
Notifier Name:
Notifier Phone:
Caller Name: JANE HEALY
Caller Agency: NYSDEC
Caller Phone: (718) 482−4933
DEC Investigator: SACCACIO
Contact for more spill info:
Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved	Meets Cleanup Standards	Penalty Recommended
02/26/1993		TANK TEST FAILURE	' −474916'	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	−1.00	GALLONS	0.00	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
001		Unknown	0.00	UNKNOWN

Caller Remarks:

INITIALLY REPORTED AS PASSED.

DEC Investigator Remarks: DEC INVESTIGATOR REMARKS NOT AVAILABLE FOR THIS SPILL ACCORDING TO THE LAST UPDATE.

The following DEC Investigator Remarks were available prior to 1/1/2002:

3/25/99 −Saccacio− Subsequent tank test failure. Previous tank test failure (9004122) on 7/13/90 will remain open. Spill closed 3/25/99.

Map Identification Number 45 **MANHATTANVILLE HOUSES −NYCHA** **Spill Number: 9305361** **Close Date: 12/28/2005**
1430 AMSTERDAM AVENUE NEW YORK CITY, NY TT−Id: 520A−0094−518

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING − LARGE SITE
Approximate distance from property: 709 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 10027

Source of Spill:	INSTITUTIONAL, EDUC, GOV, OTHER	Spiller:	NYC HOUSING	Spiller Phone:	
Notifier Type:	Responsible Party	Notifier Name:		Notifier Phone:	
Caller Name:	MR. MANDALONE	Caller Agency:	NYC HOUSING AUTH.	Caller Phone:	(212) 306−3142
DEC Investigator:	JAKOLLEE	Contact for more spill info:		Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/30/1993		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	0	POUNDS	0	POUNDS	GROUNDWATER

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
002		Unknown	0.00	UNKNOWN

Caller Remarks:

TANK WILL BE EMPTIED − RETESTED.

DEC Investigator Remarks:

12/28/05: This spill transferred from J.Kolleeny to S.Kraszewski.

This spill closed to consolidate with open spill #9004122. − SK

Map Identification Number 46 **MANHATTANVILLE −NYCHA** **Spill Number: 9200116** **Close Date: 12/28/2005**
1430 AMSTERDAM AVENUE NEW YORK CITY, NY TT−Id: 520A−0094−516

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING − LARGE SITE
Approximate distance from property: 709 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 10027

Source of Spill:	INSTITUTIONAL, EDUC, GOV, OTHER	Spiller:	NYCHA	Spiller Phone:	(212) 306−3142
Notifier Type:	Police Department	Notifier Name:		Notifier Phone:	
Caller Name:	SEB. LOREFICE	Caller Agency:	TANK TESTING, INC.	Caller Phone:	(718) 789−3770
DEC Investigator:	SWKRASZE	Contact for more spill info:		Contact Person Phone:	

Category: Possible petroleum release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters, known releases with no potential for damage, or non−petroleum/non−hazardous spills.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

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Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/03/1992		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	0	UNKNOWN	0	UNKNOWN	AIR

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
002		Unknown	0.00	UNKNOWN

Caller Remarks:

EX. AND REPAIR VENT FOR TANK #2.

DEC Investigator Remarks:

12/28/05: This spill transferred from J.Kolleeny to S.Kraszewski.

This spill closed to consolidate with open spill #9004122. − SK

Map Identification Number 47 **MANHATTANVILLE HOUSES −NYCHA** **Spill Number: 9004122** **Close Date: 01/26/2006**
1430 AMSTERDAM AVENUE NEW YORK CITY, NY TT−Id: 520A−0094−512

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING − LARGE SITE
Approximate distance from property: 709 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 10027

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	NYC HOUSING AUTHORITY	Spiller Phone:	
Notifier Type:	Tank Tester	Notifier Name:		Notifier Phone:	
Caller Name:	SEBASTIAN LOREFICE	Caller Agency:	TANK TESTIGN INC	Caller Phone:	(718) 789−3770
DEC Investigator:	SWKRASZE	Contact for more spill info:		Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/13/1990		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	−1.00	POUNDS	0.00	POUNDS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
001		Unknown	0.00	UNKNOWN
002		Unknown	0.00	UNKNOWN

Caller Remarks:

(2) 25K TANKS MANIFOLDED FAILED A HORNER EZY CHECK WITH A GROSS LEAK, WILL EXCAVATE, ISOLATE & RETEST.

DEC Investigator Remarks:

01/26/06: This spill transferred from J.Kolleeny to S.Kraszewski. This spill closed to consolidate with open spill #0006409. − SK

Map Identification Number 48 **NYC HPD** **Spill Number: 0108752** **Close Date: 11/12/2003**
453 WEST 125TH ST MANHATTAN, NY TT−Id: 520A−0091−280

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 876 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	INSTITUTIONAL, EDUC, GOV, OTHER	Spiller:	NYC HPD	Spiller Phone:	
Notifier Type:	Tank Tester	Notifier Name:	GREGORY SUHR	Notifier Phone:	(631) 586−4900
Caller Name:	GREGORY SUHR	Caller Agency:	FINLY AND NICHOL ENVIRO	Caller Phone:	(631) 586−4900
DEC Investigator:	JMKRIMGO	Contact for more spill info:	GREGORY SUHR	Contact Person Phone:	(631) 586−4900

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/03/2001		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
01	2500	Horner EZ Check I or II	0.00	UNKNOWN

Caller Remarks:

TANK TEST PERFORMED WITH GROSS FAILURE AND NO SIGN OF LEAKAGE.

IN THE ULLAGE PORTION.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "KRIMGOLD"
12/03/2001. YK talked to Tony Cagiano (LiRo) @ (516) 938LiRo. LiRo performed test under DDC heating oil contract. Will investigate and remediate site if necessary. Upon completion a report will be issued.

11/05/03. J. Krimgold spoke to Tony Cagiano (LiRo). The tank in

question is an AST incased in concrete. Tank was removed and replaced with a new one. No contamination was found during tank removal. Mr. Cagiano will send a letter to support this conversation next week.

11/12/03. J. Krimgold received a letter from LiRo stating that no evidence of oil spilled was found during removal of the old AST tank. Also a copy of a tightness test report indicating that a "leak" was found in the ullage portion of the tank was attached.
New AST was installed. NFA.

Map Identification Number 49 **APARTMENT BUILDING** **Spill Number: 0210452** **Close Date: 10/18/2006**
8 ST NICHOLAS TERRACE MANHATTAN, NY TT−Id: 520A−0093−626

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1088 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: 8 SAINT NICHOLAS TER
Revised zip code: NO CHANGE

Source of Spill:	INSTITUTIONAL, EDUC, GOV, OTHER	Spiller:	SAME − APARTMENT BUILDING	Spiller Phone:	(718) 731−7011
Notifier Type:	Tank Tester	Notifier Name:	SAME	Notifier Phone:	
Caller Name:	ABRAHAM WACHLER	Caller Agency:	NYC TANK TESTING	Caller Phone:	(718) 731−7011
DEC Investigator:	qxabidi	Contact for more spill info:	ABRAHAM WACHLER	Contact Person Phone:	(718) 731−7011

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/16/2003		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
1	1080	Horner EZ Check I or II	0.00	UNKNOWN

Caller Remarks:

TANK FAILED THE TEST'

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIPPLE/DO"
1/17/03 TJD

Demeo contact Bernie at NYC Tank Testing for additional information regarding tank size and building contact information. Location is unregistered with PBS. NYC Tank Testing was retained for test by Alba Combustion (718 931 1700). Tank is reportably a concrete wrapped 1,080 gallon.

According to NYC Tank Testing a cut manway on top of tank is likely cause of tank test failure. No reported petroleum release at location. At time of test failure 39 inches of product remain in tank. Product has not been removed. NYC Tank Testing has not been authorized to do any additional work.

Rose Marie from Alba Combustion was contacted to obtain owner information and confirm tank size. Information not available at time of inquiry. Alba will call DEC with requested information ASAP.

Alba Combustion called back with contact as follows:

Juan Ortiz − Building Super (917)412−5688

Mercedes Gonzalez − President of Tenants Association(212)662−3373

Juan contacted and stated tank has been leaking for several months. He cleans up the oil leaking from tank enclosure on a daily basis. No plan in place to empty or repair tank.

Mercedes contacted who confirmed situation is an ongoing problem. Location is a HPD building. Mercedes provided following contact for HPD: Ms. Sumada Mena (212) 863−7313

Ms. Mena contacted, she was aware of situatiuon at building and confirmed HPD retained NYC Tank Testing to test tank. Demeo directed Ms. Mena to empty tank as leak has existed for months and has not been repaired. Ms. Mena stated she was building coordinator and not the appropriate contact. Demeo was provided contact information for Willie Kesknen from Technical Services Group (212)863−7307. Demeo left message for Willie Keskinen.

Mr. Keskinen Director of TIL/Tech Group from HPD has stated a contractor will be at building today to empty tank and install temporary tank. Address for HPD is 100 Gold Street, NY NY 10038.

Tank Test letter not sent as tank is to be taken out of service for repairs and/or replacement.

Tipple to perform site visit and assess situation.

1/17/2003 TIPPLE VISITED SITE, Spoke with the building super Jaun Ortiz the oil had been cleaned daily since the leak began months ago. The stain on the floor indicates that the oil had never gotten close to the sump area and the floor surrounding the vaulted area is sound. There is a staining on the wall adjacent to the vault indicating the high probability of a leaking fill/vent line in addition to a tank problem.

Building super will call and leave message once the tank is emptied and a temporary tank installed.

05/18/06: This spill is transferred from Mr. Koon Tang to Q.Abidi.
Talked to Ms. Mena on phone (212)863−7313 she said, They have changed the tank three years ago. New york city owned this building. −QA
Address:
HPD/TIL
100 Gold Street
Room 7 T − 1
NY NY 10038

06/21/06: Called to Willy Keskinen, Deputy Director, HPD. Talked to Ms. Shirley (secretary) regarding information of spill. She said she will convey to Mr. Willy and he will call me back at the ealiest. −QA

07/19/06: Called Ms. Sumada Mena and left message to call me back. −QA

07/20/06: Ms. Losario Vera (212)863−5199 called me and said she is trying to get the information regarding spill as soon as she will get she will send it to me. −QA

09/11/06: Called Mr.Willy Keskinen He was not available. Left message at (212)863−7307 Extn. 8893 to call me back regarding spill. −QA

10/12/06: Mr. Berney (718)731−7011 called me and he said he will do more researches and then he will call me back. −QA

10/18/06: Mr. Willie Keskinen, Deputy Director, TIL/Tech (Department of Housing Preservation and Development) sent me a closing confirmation letter to close the spill. According to his letter they hired S.J. Fuel company for clean up work. The purpose of installing a new oil tank was that the existing tank had a minor leak on the tank itself. No oil was spilled on the floor. The existing oil tank was old and replaced with a new tank. Also the basement has a new cement floor in and around the new tank, and shows no sign of oilk spillage. Based on these information DEC staff closed the spill. −QA

Map Identification Number 50 **GRANT HOUSES −NYCHA** **Spill Number: 9415543** **Close Date: 10/24/2005**
1320 AMSTERDAM AVE MANHATTAN, NY TT−Id: 520A−0097−044

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1176 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 10027

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER | Spiller: NYC HOUSING AUTHORITY | Spiller Phone: (212) 306−3142
Notifier Type: Tank Tester | Notifier Name: | Notifier Phone:
Caller Name: SEBASTIAN LORIFICE | Caller Agency: NYC HOUSING AUTHORITY | Caller Phone: (212) 306−3233
DEC Investigator: SWKRASZE | Contact for more spill info: | Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/28/1995		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	−1.00	GALLONS	0.00	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
002		Unknown	0.00	UNKNOWN

Caller Remarks:

TANK #2−COULD NOT MAINTAIN LEVEL

DEC Investigator Remarks:

10/24/05: This spill closed to consolidate with open spill #9914395. S.Kraszewski

Map Identification Number 51 **GRANT HOUSES −NYCHA** **Spill Number: 9415378** **Close Date: 10/24/2005**
1320 AMSTERDAM AVE MANHATTAN, NY TT−Id: 520A−0097−043

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1176 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 10027

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER | Spiller: NYC HOUSING AUTHORITY | Spiller Phone: (212) 306−3142
Notifier Type: Tank Tester | Notifier Name: | Notifier Phone:
Caller Name: SEBASTIAN LORIFICE | Caller Agency: NYC HOUSING AUTHORITY | Caller Phone: (212) 306−3233
DEC Investigator: SWKRASZE | Contact for more spill info: | Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/23/1995		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	−1.00	GALLONS	0.00	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
001		Unknown	0.00	UNKNOWN

Caller Remarks:

TO ISOLATE AND REPAIR AND RETEST ASAP.

DEC Investigator Remarks:

10/24/05: This spill closed to consolidate with open spill #9914395. S. Kraszewski

Map Identification Number 52 **AMOCO** **Spill Number: 0200338** **Close Date: 12/05/2003**
3225 BROADWAY MANHATTAN, NY TT−Id: 520A−0094−497

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1286 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	GASOLINE STATION	Spiller:	ADAM WOLF − AMOCO	Spiller Phone:	(516) 997−9300
Notifier Type:	Tank Tester	Notifier Name:	PAT MOZI	Notifier Phone:	(800) 646−3161
Caller Name:	PAT MOZI	Caller Agency:	CROMPCO CORP	Caller Phone:	(800) 646−3161
DEC Investigator:	JBVOUGHT	Contact for more spill info:	PAT MOZI	Contact Person Phone:	(800) 646−3161

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/10/2002		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
3	8000	Horner EZ Check I or II	0.00	UNKNOWN

Caller Remarks:

TANK TEST FAILURE

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "VOUGHT"
12/5/03−Vought−See open spill #9604890 at same location. This spill closed by Vought.

Map Identification Number 53 **NYC HOUSING COMPLEX** **Spill Number: 0108681** **Close Date: 06/12/2006**
504 WEST 135TH ST MANHATTAN, NY TT−Id: 520A−0091−279

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1440 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	PRIVATE DWELLING	Spiller:	LUCY MONELL − NYC HOUSING COMPLEX	Spiller Phone:	(212) 283−7218
Notifier Type:	Tank Tester	Notifier Name:	GREGORY SUHR	Notifier Phone:	(631) 586−4900
Caller Name:	GREGORY SUHR	Caller Agency:	FENLY AND NICHOL ENVIRO	Caller Phone:	(631) 586−4900
DEC Investigator:	JAKOLLEE	Contact for more spill info:	LUCY MONELL	Contact Person Phone:	(212) 283−7218

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.

Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/29/2001		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
1	2000	Horner EZ Check I or II	0.00	UNKNOWN

Caller Remarks:

tank test failure

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "BREEN"
1/12/2004 spill transferred from Sangesland to Breen

12/21/05 − Mr. Steve Arthur of TDX Construction called and will provide a spill closure petition report shortly. Transferred from George Breen to Koon. − KST

05/016/06: This spill is transferred from Mr. Koon Tang to Q. Abidi.
Contacted to Ms. Lucy Monell (212)283−9218, she said that she is living temporary there. Left message for Mr.Alfonso Polanco at (212)863−7374 and talked to Mr. Luna (212)863−7385 he will try to get information about the spill and e−mail me. −QA

5/17/06 − mr. Steve Arthur of HPD called and said that he has additonal data and a report for this spill. He will drop off the report today. − KST

06/07/06: Called to Mr. Alfonso Polanco, left message to call me back regarding spill. −QA

06/12/06: This spill case transferred from Q. Abidi to J. Kolleeny. Reviewed Request for Spill Closure submitted by TDX on 5/16/06 on behalf of NYCDDC. Tightnesss test results indicate leak was in ullage (dry) portion of tank. No signs of product leakage or spillage were observed at the time of the test. The tank, reportedly an AST in the building basement, was taken out of service, purged, cleaned and removed by Gemstar in February 2003, and replaced with a new 2,000−gallon AST. Spoke with Winston Deans of TDX on 6/12/06, who said that according to Carmello Saia of Gemstar, no signs of contamination or spillage were observed when the old tank was removed. The new tank has been incorrectly registered as containing unleaded gasoline (PBS form incorrectly filled out − see PBS #2−470740). Based on the information provided, it appears that this spill has not caused an adverse environmental impact, therefore, the spill case is closed. − J. Kolleeny

Map Identification Number 54 **TANK TEST FAILURE TTF** **Spill Number: 1009666** **Close Date: 09/30/2013**
440 SAINT NICHOLAS AVE NEW YORK, NY TT−Id: 520A−0259−454

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1492 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	DENNIS OVALLE	Spiller Phone:	
Notifier Type:	Other	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	SXMAHAT	Contact for more spill info:	DENNIS OVALLE	Contact Person Phone:	(917) 731−0775

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/10/2010		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	UNKNOWN	0	UNKNOWN	

Caller Remarks:

Tank test failure

DEC Investigator Remarks:

9/25/13−Vought−Received call from and spoke to Hagai Barlev (Ph:917−686−2664) and he is owner and management company for site and

is requesting closure of spill. DEC Sangesland had further requirements but Hagai was not sure what needed to be done to close spill. Top cap to tank was not sealed properly and was repaired and was retested. Tank is a 5000−gallon aboveground UST and there are no spills. Tank is registered on PBS as per Hagai. Spill reassigned from Sangesland to Mahat as per Vought. PBS #2−603028 shows a 5000−gallon #2 fuel oil AST and mailing info as per PBS is:

Boro Fuel Oil Co.
2 Church Avenue
Brooklyn, NY 11218
Attn: Jeffrey Cohn
Ph:(718)854−7500

DEC Requires:
1)copy of passing test results
2)statement of work performed.

09/27/13: Mahat
Received an email (Fax) from Mr. Hagai Barlev requesting to close the spill. Seal on the top cap of the tank was leaking. The cap is seal tight now and no more leak in the TFT test. He also attached the TFT test result. The tank passed test and it is uploaded on E−docs. Case is closed as per Mahat and Vought.

Map Identification Number 55 **CITY COLLEGE OF NY** **Spill Number: 0605890** **Close Date: 09/19/2012**
W 135TH STREET & AMSTERDAM AVE NEW YORK, NY TT−Id: 520A−0098−075

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING − LARGE SITE
Approximate distance from property: 1494 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: W 135TH ST / AMSTERDAM AVE
Revised zip code: NO CHANGE

Source of Spill:	INSTITUTIONAL, EDUC, GOV, OTHER	Spiller:	JOHN − CITY COLLEGE OF NY	Spiller Phone:	(212) 650−8682
Notifier Type:	Other	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	BKFALVEY	Contact for more spill info:	RONALD JANIS	Contact Person Phone:	(212) 650−8682

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/22/2006		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
1	10000	Horner EZ Check I or II	0.00	UNKNOWN

Caller Remarks: NO REMARKS GIVEN FOR THIS SPILL

DEC Investigator Remarks:

08/22/06−Hiralkumar Patel. spoke with Ron Janis at facility. they are in process for further testing of tank. his mailing address is as:

Ronald Janis
160 Convent Avenue
Manhattan, NY 10031
Ph. (212) 650−8682
FAX (212) 650−8648

PBS #: 2−601456

TTF sent to Mr. Janis. letter faxed to Mr. Janis.

see E−Docs.

8/30/06 results of 08/22/06 test failure noted above were received by DEC. bf

10/12/06 tank test report received 10/6/06. ttf letter sent today. tank number does not correspond. bf

9/19/12 Received letter from Richard Belgrave of CUNY on 9/17/12. Tank failed because of a faulty valve located aboveground in the piping connecting the generator to the diesel tank. Petroleum was not released to the environment. NFA. bf

Map Identification Number 56 **HPD** **Spill Number: 0106037** **Close Date: 08/22/2005**
527 W.134TH ST MANHATTAN, NY TT−Id: 520A−0094−505

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1543 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Tank Tester
Caller Name: PHIL FAZIN
DEC Investigator: JAMORAS
Spiller: BOB BARGON − HPD
Notifier Name: PHIL FAZIN
Caller Agency: CROWN LEAK DETECTION
Contact for more spill info: BOB BARGON
Spiller Phone:
Notifier Phone: (516) 939−2959
Caller Phone: (516) 939−2959
Contact Person Phone:

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/06/2001		TANK TEST FAILURE	YES	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
1	5000	Horner EZ Check I or II	0.00	FAIL

Caller Remarks: NO REMARKS GIVEN FOR THIS SPILL

DEC Investigator Remarks:

9/25/03 TIPPLE SENT REQUEST FOR DOCUMENTATION

5/5/05 MT///Report submitted did not address the Leaking tank.

8/22/2005 Sangesland spoke to Steve Arthur with TDX Construction (718−472−0577). TDX was hired by HPD to complete the work at this site. Mr. Arthur said the old tank at this site failed it's pressure test because of an air leak around the manway. The tank was aboveground in the basement with a cement wrap around it (not underground like the PBS says). In March 2002 the old tank and piping was removed from the site and no contamination was found. A new tank was installed with all new piping and an overfill prevention system. −− Spill Closed

12/30/05 − A letter was sent to the property owner requesting all available information regarding steps taken to address the spill case (J. Moras).

1/11/06 − I received a call from Steve Arthur (TDX Construction) yesterday; at that point I realized the spill had been closed out in August by Region 2 staff. Mr. Arthur requested an NFA letter, which was sent out today (J. Moras).

Map Identification Number 57 **SPILL NUMBER 0300855** **Spill Number: 0300855** **Close Date: 08/29/2003**

80 LASALLE ST MANHATTAN, NY TT−Id: 520A−0099−448

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1595 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: 80 LA SALLE ST
Revised zip code: 10027

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	MATT GENTIEL	Spiller Phone: (212) 865−3531 ext. 2
Notifier Type:	Tank Tester	Notifier Name:	PHIL FAZIN	Notifier Phone: (516) 375−5890
Caller Name:	PHIL FAZIN	Caller Agency:	A−1 CROWN LEAK CORPOATION	Caller Phone: (516) 375−5890
DEC Investigator:	TJDEMEO	Contact for more spill info:	MATT GENTIEL	Contact Person Phone: (212) 865−3531 ext. 2

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved	Meets Cleanup Standards	Penalty Recommended
04/24/2003		TANK TEST FAILURE	2−336475	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

UNCOVER AND RETEST

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "DEMEO"
4/24/03 TJD

TTF letter sent.

8/29/03 TJD

Tank passed retest. Documents in file. Spill closed.

Map Identification Number 58 **80 LASALLE ST** **Spill Number: 0300854** **Close Date: 02/07/2006**
80 LASALLE ST MANHATTAN, NY TT−Id: 520A−0099−449

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1595 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: 80 LA SALLE ST
Revised zip code: 10027

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	MATT GENTIEL	Spiller Phone:	(212) 865−3531 ext. 2
Notifier Type:	Tank Tester	Notifier Name:	PHIL FAZIN	Notifier Phone:	(516) 375−5890
Caller Name:	PHIL FAZIN	Caller Agency:	A−1 CROWN LEAK CORPOATION	Caller Phone:	(516) 375−5890
DEC Investigator:	Con Ed Unassigned	Contact for more spill info:	MATT GENTIEL	Contact Person Phone:	(212) 865−3531 ext. 2

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved	Meets Cleanup Standards	Penalty Recommended
04/24/2003		TANK TEST FAILURE	2−336475	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

EVALUATE AND RETEST

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIPPLE"
4/24/03 TJD

TTF letter sent.

12/19/05 Feroze. Spill is transferred from Ketani to Feroze.

02/01/06. Feroze, PBS of this spill is # 2−336475. Phone of Mr. Matthew is not is service. TTF is sent to :

Morningside Heights Housing.
80 Lasalle Street
New York, NY 10027

Att: Matthew Gentile

02/06/06. Mail of TTF letter is not delivered. I faxed the TTF tetter to Matthew 212 866−8626.
and talked to him 212−865−3631. He will fax the documents soon.

02/07/06. Feroze. Mr. Matthew submitted the documents that ADVANCED TANK SERVICES CO. fixed the pboblem and test tank on 08/11/03. The tank test was passed. He also informed that they don't have any problem now. The spill is closed.

Map Identification Number 59 **637 WEST 125TH ST/MANH** **Spill Number: 8905876** **Close Date: 02/23/1993**
637 WEST 125TH STREET NEW YORK CITY, NY TT−Id: 520A−0094−499

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1719 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	INSTITUTIONAL, EDUC, GOV, OTHER	Spiller:	NATIONAL COUNCIL OF CHURC	Spiller Phone:	(212) 870−2181
Notifier Type:	Tank Tester	Notifier Name:		Notifier Phone:	
Caller Name:	PHIL FAZIN	Caller Agency:	CROWN LEAK DETECTION	Caller Phone:	(516) 939−2959
DEC Investigator:	BATTISTA	Contact for more spill info:		Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved	Meets Cleanup Standards	Penalty Recommended
09/14/1989	02/23/1993	TANK TEST FAILURE	2−342130	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	−1.00	UNKNOWN	0.00	UNKNOWN	GROUNDWATER

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		Unknown	0.00	UNKNOWN

Caller Remarks:

1.5K TANK FAILED HORNER EZY CHECK WITH A GROSS LEAK, WILL EXCAVATE, ISOLATE & RETEST.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 60 **APARTMENT BLDG** **Spill Number: 0803747** **Close Date: 09/01/2011**
1274 AMSTERDAM AVE NEW YORK, NY TT−Id: 520A−0214−895

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1797 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	DERMOT COMPANY − APARTMENT BLDG	Spiller Phone:	
Notifier Type:	Tank Tester	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	vszhune	Contact for more spill info:	DERMOT COMPANY	Contact Person Phone:	(212) 262−1220

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/30/2008		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
1	550	Horner EZ Check I or II	0.00	UNKNOWN

Caller Remarks:

Dry leak.
Above ground tank.

DEC Investigator Remarks:

7/15/2008 TTF sent to:
Amsterdam Ave Investor LLC, 1274 Amsterdam Ave, NY, NY 10027
see eDocs

07/06/10−Zhune spoke to John Leddy from Protest. He said the system failed with dry leak. Protest thought the problem was vent pipe.

07/06/10−Zhune spoke to Rosie Aviles. She said persom in charge is John Vayner (646) 747−6104. Left a message.

08/30/11− Manager of the building− William 877−379−8484

09/01/11= Protest sent the report dated March 23, 2011. The report include the passing test report.

On Juno 30, 2008 Peo Test perfomed a tightness test on thetank system and it failed with a gross dry leak. On March 4, 2011, Pro Test returned to the site to repair the corroded vent line. After the repair to the vent line the system was retest and the tank system failed the test with a small dry leak.On March 21, 2011 Pro Test technicians returned and isolated the kines from the tank to test the tank only. the tank passed a test without the remote fill attached. The remote fill line was corroded just inside of the building wall. On March 22,
2011 we replaced the remote fill line. The tank ystem was tested after the repair and the system passedthe test. There was no evidence of visible contamination within the tank room.
As per manager of the building the tank was tested for mortgage refinancing purpose.
Spill Closed.

Map Identification Number 61 **WARREN ELECTRICAL SUPPLY** **Spill Number: 0104428** **Close Date: 12/15/2009**
641 WEST 131ST ST MANHATTAN, NY TT−Id: 520A−0094−509

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1851 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	641−653 W.131ST HOLDING	Spiller Phone:	
Notifier Type:	Tank Tester	Notifier Name:	DAVE FAZIN	Notifier Phone:	(516) 939−2959
Caller Name:	DAVE FAZIN	Caller Agency:	CROWN LEAK DETECTION	Caller Phone:	(516) 939−2959
DEC Investigator:	RVKETANI	Contact for more spill info:	DAVE FAZIN	Contact Person Phone:	(516) 939−2959

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/25/2001		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
	2000	Horner EZ Check I or II	0.00	UNKNOWN

Caller Remarks:

RECOMMEND TO LOCATE TANK AND REPAIR PROBLEM.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "KRIMGOLD"
01/26/04

Transferred from

Rommel to Austin
02/17/04: Reassigned from AUSTIN to KRIMGOLD.

Transferred to Albany for review under Spills Closure Intiative

10/2/09 − Austin − Spill transferred from Albany staff to Ketani, for further investigation − end

10/23/01 − Raphael Ketani. The spill occurred on 7/25/01 as a result of a tank test failure.

The site was the location of the Warren Electrical Supply Co. at 641 West 131 Street, NY, 10027. The alternate addresses are 641−651 West 131 Street. The block and lot are 1998 and 10. The two story commercial building was constructed in 1926. It was sold on 12/31/98 to 641−651 West 131 Street Holding, LLC. Then on 5/5/06 it was sold to the Trustees of Columbia University, 535 W. 116 Street, NY, 10027.

The PBS registration is #2−606518. There is a 2,000 gal. UST with #2 oil. It was closed in place on 3/11/09. The present owner is listed as Columbia University, 400 W. 119 Street, NY, 10027. The phone number is (212) 854−6645.

10/26/09 − Raphael Ketani. I attempted to contact a representative of Columbia University at the above telephone number, but could only leave a message.

Mr. Lauth (loff) called me back. He said that he has been dealing with the building since 2006. The electrical company is gone. Verizon is now there. The heat is now electric. He had never heard of this incident. Mr. Lauth said that Columbia bought the building in 2003. He added that the Environmental Division will deal with the case and they will call me back. He said that they will hire a contractor to do a soil investigation. I told him that both soil and groundwater samples will need to be collected.

12/8/09 − Raphael Ketani. Tarek Khouri of Langan Engineering (212) 479−5450 sent me an e−mail stating that the tank in question failed its tightness test on 7/25/01. However, it passed its second test on 8/28/01. On 9/30/08, the tank and its associated piping was closed by Metropolitan Heat and Power Company (Mr. Khouri attached an affidavit). The property will be excavated to at least 45 feet below grade for the upcoming ManhattanVille development project.

I looked at the affidavit. It indicated that the tank and its piping had been cleaned out and closed. The affidavit was dated 3/11/09.

I wrote back to Mr. Khouri that the state needed a document indicating whether the leak was a dry one or a wet one.

12/15/09 − Raphael Ketani. Mr. Khouri sent me the following e−mail with attachments containing the July failed tank test and the August passing tank test. His e−mail is below:

I was able to locate the original failed test for the tank in question.
See attached. It was a dry leak. Also as noted in the A−1 Crown Corp
cover letter, the leak was above the oil level leak (vacuum). It appears
the first test was not done properly (tested through the vent). They had
to come in at later date and retest. As such, it appears that a spill
did not occur.

I reviewed the failed July tank test report and the passing August tank test report. I was satisfied that the tank and its fuel management system were actually intact and that an oil release had not taken place.

Based upon the affidavit, and the passing tank test report, it has been determined that there was no release of oil to the environment and, therefore, there is no threat to human well being. Therefore, I am closing the spill case.

Map Identification Number 62 **MANHATTENVILLE BUS DEPOT** **Spill Number: 9900720** **Close Date: 03/09/2005**
666 WEST 132ND ST MANHATTAN, NY TT−Id: 520A−0099−497

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1879 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	MR SINGH/HENDRICH CONSULT − NYCTA	Spiller Phone:	(516) 293−6920
Notifier Type:	Tank Tester	Notifier Name:	FRANCIS DRYSLEWSKI	Notifier Phone:	(610) 278−7203
Caller Name:	JERRY KASPAR	Caller Agency:	CROMPCO CORP	Caller Phone:	(610) 278−7203
DEC Investigator:	MCTIBBE	Contact for more spill info:	SINGH/HENRICH CONSULTANTS	Contact Person Phone:	(516) 293−6920

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/19/1999		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
001	2000	USTest 2000/P/LL plus USTest 2000/U	0.00	FAIL

Caller Remarks:

TANK TEST FAILURE AT ABOVE LOCATION. LEAK WAS VISABLE AND REPAIRS

TO BE MADE AND TANK RETESTED. NO CALL BACK REQUESTED.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"

03/09/05: It was discovered by Franklin Company that one of 4 flex connectors on the fill line the heating oil tanks was leaking. Franklin replaced the flex connector and tested both the primary and secondary lines. Both passed. See also 99−00473.

Any contamination that may exist from this spill will bbe remediated by NYCT CPM as per of an ongoing remediation under spill #s 95−06400 (dispensor area), 01−05323 (inside diesel vault) and 01−11827 (outside diesel vault).

Map Identification Number 63 **MANHATTANVILLE DEPOT** **Spill Number: 9900159** **Close Date: 04/20/2004**
666 WEST 133RD STREET MANHATTAN, NY TT−Id: 520A−0099−501

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1879 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Spiller: NYCTA
Spiller Phone: (718) 243−4581
Notifier Type: Responsible Party
Notifier Name:
Notifier Phone:
Caller Name: ANTHONY LARA
Caller Agency: PETROLEUM TANK CLEANERS
Caller Phone: (718) 624−6934
DEC Investigator: MCTIBBE
Contact for more spill info: CALLER
Contact Person Phone:

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/05/1999		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
1	4000	Horner EZ Check I or II	0.00	UNKNOWN

Caller Remarks:

TANK FAILED TEST.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
TRANSFERED FROM HALE TO TIBBE ON 12/28/00.

Refer to 01−05323. Vault being remediated under this number.

Map Identification Number 64 **NYC TRANSIT AUTH** **Spill Number: 0203324** **Close Date: 03/31/2004**
132E & W 132ND ST NEW YORK, NY TT−Id: 520A−0257−228

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1879 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: W 132ND ST
Revised zip code: 10027

Source of Spill: COMMERCIAL/INDUSTRIAL
Spiller: CALLER − NYC TRANSIT AUTHORITY
Spiller Phone:
Notifier Type: Tank Tester
Notifier Name: SELF
Notifier Phone:
Caller Name: MICHAEL SEPE
Caller Agency: FENLEY AND NICOL
Caller Phone: (631) 586−4900
DEC Investigator: MCTIBBE
Contact for more spill info: MICHAEL SEPE
Contact Person Phone: (631) 586−4900

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/27/2002		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

Product line failure − failed at .033/hr − double wall piping − no impact − spill contained

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
6/28− MICHAEL − LEFT MESSAGE

refer to 02−03317

Map Identification Number 65 **THE DERMOT COMPANY** **Spill Number: 0803748** **Close Date: 09/01/2011**
526 WEST 123RD STREET NEW YORK, NY TT−Id: 520A−0214−896

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1906 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	DERMOT COMPANY − APARTMENT BLDG	Spiller Phone:	
Notifier Type:	Tank Tester	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	vszhune	Contact for more spill info:	DERMOT COMPANY	Contact Person Phone:	(212) 262−1220

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/30/2008		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
	1500	Horner EZ Check I or II	0.00	UNKNOWN

Caller Remarks:

PBS No: 2−283053
Dry leak. Above ground tank vaulted in room.

DEC Investigator Remarks:

TTF letter sent to:
Dermot Realty Mgmt
1775 Broadway − Suite 510
New York, NY 10019

09/10/08−Vought−Violation hearing for spill #0805791 with DEC Burke, DEC Falvey, DEC Vought and Dermot (Carmen Santiago:

Carmen Santiago
The Dermot Company Realty Management Co., Inc.
1775 Broadway
Suite 510
New York, NY 10019
Ph: 646−747−6129
Fax:212−245−4803
email: csantiago@dermotcompany.com

As per Santiago she is waiting to sign a proposal for ProTest to inspect, repair and retest. New property owner is:

Thayer Street Portfolio Investors, LLC at 87 Post Avenue
320 West 57th Street

07/06/10− Zhune spoke to John Leddy from Protest. He said They tested the system and failed with dry leak. Protest thought that the problem was the universl union of the remote fill line on top of the tank. They did not do any isolation test. As per John, Dermot realty Management stop bussiness with protest.

07/06/10−Zhune spoke to Rosie Aviles. She said persom in charge is John Vayner (646) 747−6104. Left a message

09/01/11− Pro Test sent the report dated March 14, 2001. The report include the passing test.

On June 30, 2008 Pro test performed a tightness test on the above subject tank system and it failed with a dry leak. On march 11, 20011, Pro Test returnted to islate the tank from its associated lines. The remote fill line was isolated from the tank due to a loose connection. The manhole cover was regasketed and rebolted. The petrometer connection was tightened. The tank passed a test the remote fill. The remote fill line was reattached and its connection at the tank tightened. Upon tevconnection of all lines, the tank system passed a retest. there was no evidence of visible contamination within the tank vault.
As per manager of the building the tank was tested for mortgage refinancing prupose.
Spill Closed.

Map Identification Number 66 **3333 BROADWAY** **Spill Number: 0905159** **Close Date: 08/20/2009**
3333 BROADWAY NEW YORK, NY TT−Id: 520A−0229−462

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1935 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 10031

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	JOSHUA EISENBERG	Spiller Phone:	
Notifier Type:	Tank Tester	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	HRAHMED	Contact for more spill info:	JOSHUA EISENBERG	Contact Person Phone:	(201) 553−9800

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/03/2009		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	0	UNKNOWN	0	UNKNOWN	

Caller Remarks:

50000 GALLON BURIED TANK

DEC Investigator Remarks:

8/3/09 − Austin − Test done as part of source investigation related to spil # 0904762. Hole found in upper part of tank, but may not be the sole release point. RP directed by DEC Ahmed to have a contractor investigate for the extent of oil released from this tank, and if it has any correlation with the oil observed seeping into IS 195 next store. − end

08/20/09−HRAHMED−This is a duplicate spill of spill#0904762, in which IS 195 School(625 W 133 St) is the impacted party and the tanks of 3333 Broadway is considered as the source.

This case is closed and referred to spill#0904762.

Map Identification Number 67 **THE DERMOT COMPANY** **Spill Number: 0801308** **Close Date: 11/19/2008**
503 WEST 122ND STREET NEW YORK, NY TT−Id: 520A−0214−855

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1948 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	CARMEN SANTIAGO − APART	Spiller Phone:	
Notifier Type:	Tank Tester	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	bkfalvey	Contact for more spill info:	CARMEN SANTIAGO	Contact Person Phone:	(646) 673−6714

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
05/02/2008		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
	1500	Horner EZ Check I or II	0.00	UNKNOWN

Caller Remarks:

DRY LEAK

DEC Investigator Remarks:

5/2/08 bf: Sent ttf letter to:
Carmen Santiago
The Dermot Company
1775 Broadway, Suite 510
New york, NY 10019

09/10/08−Vought−Violation hearing for spill #0805791 with DEC Burke, DEC Falvey, DEC Vought and Dermot (Carmen Santiago:

Carmen Santiago
The Dermot Company Realty Management Co., Inc.
1775 Broadway
Suite 510
New York, NY 10019
Ph: 646−747−6129

Fax:212−245−4803
email: csantiago@dermotcompany.com

As per Santiago proposal for inspect, repair and retest was signed on 8/18 and inspection scheduled for 8/23. New property owner is:

Thayer Street Portfolio Investors, LLC at 87 Post Avenue
320 West 57th Street

11/19/08 On 11/17/08, received letter from Robert Urban of Pro Test. On 11/12/08, technicians installed a vent alarm, reconnected and retightened unsealed petrometer gauge, and replaced portion of vent line and retightened all piping, vent line, and remote fill line. Passing Tightness test attached. Received same for 2500 gallon tank. NFA. bf

Map Identification Number 68 **APRT** **Spill Number: 0801313** **Close Date: 07/07/2008**
505 WEST 122ND NEW YORK, NY TT−Id: 520A−0218−159

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1956 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: 505 W 122ND ST
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	CARMEN SANTIAGO − APRT	Spiller Phone:	
Notifier Type:	Other	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	bkfalvey	Contact for more spill info:	CARMEN SANTIAGO	Contact Person Phone:	(646) 673−6714

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
05/02/2008		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
	2500	Horner EZ Check I or II	0.00	UNKNOWN

Caller Remarks:

DRY LEAK

DEC Investigator Remarks:

7/7/08 Spill administratively closed. Second tank test failure. See spill 0801308. bf

Map Identification Number 69 **JEWISH THEOLOGICAL SEMINARY** **Spill Number: 0012287** **Close Date: 08/05/2005**
3080 BROADWAY MANHATTAN, NY TT−Id: 520A−0099−518

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2048 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	BRIAN MURPHY	Spiller Phone:	(212) 678−8095
Notifier Type:	Tank Tester	Notifier Name:	PHIL FAZIN	Notifier Phone:	(516) 939−2959
Caller Name:	PHIL FAZIN	Caller Agency:	CROWN LEAK DETECTION	Caller Phone:	(516) 939−2959
DEC Investigator:	TLGIBBON	Contact for more spill info:	BRIAN MURPHY	Contact Person Phone:	(212) 678−8095

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

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Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved	Meets Cleanup Standards	Penalty Recommended
02/15/2001		TANK TEST FAILURE	2−064750	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

BROKEN GAUGE − NO PRODUCT IN TANK AT THIS TIME

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SANGESLAND"

6/8/05 − Site transferred to TLGibbons in Central Office

8/5/05 − Called Phil Fazin, Crown Leak Detection, 516−939−2959, who reported tank test failure on 2/15/01. He said the job was referred to Petroleum Tank Cleaners, Inc. (PTC), 718−624−4842, for repairs. Spoke to Diana at PTC and she said had the files on this spill and faxed them to me. On 2/8/01, PTC dug soil to tank and replaced vent line and fill line, plugging old fill line and cementing old fill box. On 2/20/01, PTC performed a tank test which failed. On 3/6/01, PTC removed tank assembly and replaced, retested tank and it passed. I asked about whether any contaminated soil had been identified. She said that no contaminated soil was found. Close spill

Map Identification Number 70 **CCNY BUILDING** **Spill Number: 0406912** **Close Date: 09/13/2005**
152−236 CONVENT AVE NEW YORK CITY, NY TT−Id: 520A−0093−635

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING − LARGE SITE
Approximate distance from property: 2145 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 10031

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Other
Caller Name: ROBERT BRAGG
DEC Investigator: JBTAMBE
Spiller: ESTER
Notifier Name: ROBERT BRAGG
Caller Agency: TANKNOLOGY
Contact for more spill info: ESTER
Spiller Phone: (212) 541−0430
Notifier Phone: (800) 666−1215
Caller Phone: (800) 666−1215
Contact Person Phone: (212) 541−0430

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/22/2004		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	UNKNOWN	0	UNKNOWN	SOIL
#2 FUEL OIL	PETROLEUM	0	POUNDS	0	POUNDS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
02	50000	VacuTest	0.00	UNKNOWN
02	50000	VacuTest	0.00	UNKNOWN
03	50000	VacuTest	0.00	UNKNOWN
03	50000	VacuTest	0.00	UNKNOWN

Caller Remarks:

tank test failed.dont supect any release.repairs will be made

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DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SAWYER"
9/24/04 Sangesland spoke to "Ester" at the facilites office.

Property is part of CCNY Campus.

According to her notes, one tank failed because of a leaking gasket on the manway. The other tank failed because of air bubbles in the "drop tube".

Repair work is being done and the school has rescheduled another tank test for 9/30/04.

01/03/05 − Sawyer − Talked to Ester at CCNY Campus and she will find documentation on what was done to repair the tanks.

09/13/05− Jacob−During repairs which was done on October 28, 2004, stained soil that exhibited an organic odor was encountered under the concrete slab on and around UST#2.Langan collected four endpoint soil samples. The analytical results from the endpoint soil sampling are presented on table 1 & 2 on appendix E on closure report, dated July 6,2005.

Map Identification Number 71 **32ND PERC. NYPD** **Spill Number: 0012735** **Close Date: 08/28/2009**
135TH ST HARLEM MANHATTAN, NY TT−Id: 520A−0093−619

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2380 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: 135TH ST
Revised zip code: NO CHANGE

Source of Spill:	INSTITUTIONAL, EDUC, GOV, OTHER	Spiller:	32ND PERC. NYPD	Spiller Phone:	
Notifier Type:	Tank Tester	Notifier Name:	SHAWN AARON	Notifier Phone:	(631) 586−4900
Caller Name:	SHAWN AARON	Caller Agency:	FENLEY & NICOL	Caller Phone:	(631) 586−4900
DEC Investigator:	hrpatel	Contact for more spill info:		Contact Person Phone:	

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

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Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
03/01/2001		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

tank test failure in an underground tank

DEC Investigator Remarks:

4/2/09 − Austin − Transferred from Needs Reassignment to Patel for further work to remediate and close − end

08/28/09−Hiralkumar Patel.

address of 32nd Precinct in Manhattan: 242−252 West 135th Street, New York, NY, 10030

PBS #: 2−342815. site has one 3,000 gal #2 oil UST installed in July 1967. last passing tank test was done on 03/02/2001. tank test due since Mar. 2006 and PBS expired on 12/14/07.

found tank test result documents on PBS e−docs.

tank test on 03/01/01 was failed in dry portion. during tank test, tank had 2990 gal of product in it.

tank system was tested again on 03/02/01 and it passed.

as tank system failed in dry portion and system was found tight next day, case closed.

sent email to DEC Jacob regarding tank test due and expired PBS.

Map Identification Number 72 **235 ST NICHOLAS AVE** **Spill Number: 9312945** **Close Date: 10/15/2003**
235 ST NICHOLAS AVENUE MANHATTAN, NY TT−Id: 520A−0099−614

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2473 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: 235 SAINT NICHOLAS AVENUE
Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION | Spiller: SAME | Spiller Phone:
Notifier Type: Tank Tester | Notifier Name: | Notifier Phone:
Caller Name: TONY RIZZO | Caller Agency: ALVIN PETRO | Caller Phone: (718) 461−5400
DEC Investigator: SJMILLER | Contact for more spill info: | Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/02/1994		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	−1.00	POUNDS	0.00	POUNDS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		Unknown	0.00	UNKNOWN

Caller Remarks:

EIR − 2/3/94 TEST INCONCLUSIVE −

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MILLER"
10/10/95: This is additional information about material spilled from the translation of the old spill file: TTF.

Map Identification Number 73 **SHELL** **Spill Number: 8900371** **Close Date: 10/15/2003**
235 ST NICHOLAS AV MANHATTAN, NY TT−Id: 520A−0099−613

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2473 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: 235 SAINT NICHOLAS AVENUE
Revised zip code: NO CHANGE

Source of Spill:	GASOLINE STATION	Spiller:	ROBERT SANFORD − SHELL	Spiller Phone:	(516) 937−3020
Notifier Type:	Tank Tester	Notifier Name:		Notifier Phone:	
Caller Name:	HOWARD GREENBERG	Caller Agency:	ALVIN PETROLEUM	Caller Phone:	(718) 461−5400
DEC Investigator:	SULLIVAN	Contact for more spill info:		Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/12/1989	04/19/1989	TANK TEST FAILURE	YES	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	−1.00	POUNDS	0.00	POUNDS	GROUNDWATER

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		Unknown	0.00	UNKNOWN

Caller Remarks:

TWO 4K TANKS FAILED PETRO. LR'S = −1.076GPH & −0.735GPH, WAS DETERMINED TANKS FAILED BECAUSE OF TRAPPED AIR, TANKS WERE RETESTED & PASSED.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

CLOSED STATUS UNKNOWN CAUSE SPILLS AND OTHER CAUSE SPILLS IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

Please Note: * − Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 74 **W 130 ST BETWEEN** **Spill Number: 0508241** **Close Date: 11/28/2005**
CONVENT AV & AMSTERDAM AV NEW YORK, NY TT−Id: 520A−0101−510

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 134 feet to the NNE*

ADDRESS CHANGE INFORMATION
Revised street: CONVENT AVE / AMSTERDAM AVE
Revised zip code: NO CHANGE

Source of Spill:	UNKNOWN	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Local Agency	Notifier Name:	ROBERTO DIAZ	Notifier Phone:	(718) 595−4814
Caller Name:	ROBERTO DIAZ	Caller Agency:	DEP	Caller Phone:	(718) 595−4814
DEC Investigator:	SFRAHMAN	Contact for more spill info:	ROBERTO DIAZ	Contact Person Phone:	(718) 595−4814

Category: Possible petroleum release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters, known releases with no potential for damage, or non−petroleum/non−hazardous spills.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/10/2005		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
WASTE OIL/USED OIL	PETROLEUM	5.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

DEP RECEIVED ANONYMOUS CALL OF 5 GALLON PLASTIC CONTAINER CONTAINING WASTE OIL LEAKING ON STREET. STILL THERE AWAITING DEC ACTION.

DEC Investigator Remarks:

10.11.05 SR// Add to drum run.

11.28.05 Sharif// Not Found on 11.25.05 drum run.

Map Identification Number 75 **AMSTERDAM DEPOT** **Spill Number: 9404949** **Close Date: 11/30/2000**
1381 AMSTERDAM AVENUE MANHATTAN, NY TT−Id: 520A−0099−459

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 239 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL Spiller: NYCTA Spiller Phone: (716) 856−5636
Notifier Type: Other Notifier Name: Notifier Phone:
Caller Name: ANDREW SHIVELY Caller Agency: TANKNOLOGY Caller Phone: (800) 666−2605
DEC Investigator: MCTIBBE Contact for more spill info: Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/11/1994		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
WASTE OIL/USED OIL	PETROLEUM	−1.00	POUNDS	0.00	POUNDS	SOIL

Caller Remarks:

ISOLATE/RETEST IS BEING RECOMMENDED

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
TRANSFERED FROM HALE TO TIBBE ON 11/30/00. SEE ALSO 9110838. SEE FILE.

Map Identification Number 76 **NYCT AMSTERDAM DEPOT** **Spill Number: 0908185** **Close Date: 10/22/2009**
1381 AMSTERDAM AVE NEW YORK, NY TT−Id: 520A−0233−945

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 239 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	NYCT	Spiller Phone:	
Notifier Type:	Other	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	jbvought	Contact for more spill info:	CLARE SAMMON	Contact Person Phone:	

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/21/2009		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
WASTE OIL/USED OIL	PETROLEUM	60.00	GALLONS	60.00	GALLONS	UTILITY

Caller Remarks:

oil water seperator was found to contain approx. 60gals of paint...paint contained to seperator/clean up crew en route

DEC Investigator Remarks:

10/21/09−Vought−Duty desk officer. Called NYCT Clare Sammon ((646)252−5777) and left message to return call.

10/22/09−Vought−Received call from and spoke to Sammon. Oil water separator consists of three tanks and third tank connected to sewer. Spill was mostly oil with minor paint and lab analysis of product being performed. Spill only made it to second tank and as such no discharge to sewers or drains. Second chamber was pumped clean by Clean Ventures. Spill closed by Vought as no impact to soil, groundwater or drains.

Map Identification Number 77 **AMSTERDAM DEPOT** **Spill Number: 0805060** **Close Date: 08/01/2008**
1381 AMSTERDAM AVE MANHATTEN, NY TT−Id: 520A−0220−527

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 239 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL | Spiller: CHRISTINA RYSZEWSKI − AMSTERDAM DEPOT | Spiller Phone:
Notifier Type: Responsible Party | Notifier Name: | Notifier Phone:
Caller Name: | Caller Agency: | Caller Phone:
DEC Investigator: rvketani | Contact for more spill info: CHRISTINA RYSZEWSKI | Contact Person Phone: (646) 252−5939

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/01/2008		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
LUBE OIL	PETROLEUM	35.00	GALLONS	35.00	GALLONS	SOIL

Caller Remarks:

VENDER DROPPED A BARRLE AND IS ALLC LEANE DAND NO DRAINS OR SEWER EFFECTED

DEC Investigator Remarks:

8/1/08 − Raphael Ketani. I called up Christina Ryszewski of NYC Transit (646) 252−5939. She said the vendor, Metro Lube, was unloading containers of product in the street outside the bus depot. One of the barrels of lube oil tipped over on the street and the lube oil ran out. It was 9−DW lubricant − bus differential gear oil. The oil was contained on the street and cleaned up by depot personnel. No sewers or drains were affected.

Based upon the fact that it was heavy oil and the fact that it was quickly cleaned up and the fact that the spill happened on the street, I am closing the spill case.

Map Identification Number 78 **IN A PIT** **Spill Number: 9905007** **Close Date: 02/05/2004**
AMSTERDAM AVE & W129TH ST MANHATTAN, NY TT−Id: 520A−0093−043

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 277 feet to the W

ADDRESS CHANGE INFORMATION
Revised street: AMSTERDAM AVE / W 129TH ST
Revised zip code: 10027

Source of Spill: UNKNOWN | Spiller: UNKNOWN | Spiller Phone:
Notifier Type: Other | Notifier Name: TRANSIT DEPT | Notifier Phone:
Caller Name: CHERELLE MAYFIELD | Caller Agency: DEP | Caller Phone: (718) 595−6777
DEC Investigator: MCTIBBE | Contact for more spill info: CALLER | Contact Person Phone: (718) 595−6777

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/27/1999		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
HYDRAULIC OIL	PETROLEUM	50.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

caller reports unknow amt spill of hydraulic oil 9 inches high contained in a pit.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
reassigned from Sigona to Tibbe on 4/17/01.

refer to 99−05017.

Map Identification Number 79 **AMSTERDAM AVE/W 129TH ST** **Spill Number: 9608704** **Close Date: 10/15/1996**
AMSTERDAM AVE W 129TH ST MANHATTAN, NY TT−Id: 520A−0092−934

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 277 feet to the W

ADDRESS CHANGE INFORMATION
Revised street: AMSTERDAM AVE/W 129TH ST
Revised zip code: 10027

Source of Spill: UNKNOWN Spiller: UNK Spiller Phone:
Notifier Type: Local Agency Notifier Name: TRANSIT AUTHORITY Notifier Phone: (800) 393−8905
Caller Name: MR ODEA Caller Agency: DEP Caller Phone: (718) 595−6777
DEC Investigator: CAENGELH Contact for more spill info: Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/13/1996		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

slick of unknown oil on street

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ENGELHARDT"
Spoke to TA. Source unknown. Sanitation Dept. on site spreading sand.

Map Identification Number 80 **ROADWAY** **Spill Number: 0909379** **Close Date: 11/24/2009**
AMSTERDAM AVE BETWEEN 128 AND 129 MANHATTAN, NY TT−Id: 520A−0235−018

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 359 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	UNKNOWN	Spiller:	VERIZON	Spiller Phone:	
Notifier Type:	Local Agency	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	RMPIPER	Contact for more spill info:	BARBA	Contact Person Phone:	(646) 885−5051

Category: Possible petroleum release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters, known releases with no potential for damage, or non−petroleum/non−hazardous spills.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/20/2009		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	100.00	GALLONS	0.00	GALLONS	SOIL, SEWER

Caller Remarks:

approx 10 gallons into sewer; sand is boing put down on rest

2218: update spill 100 gallons; 7N221 advised: #09−020514

DEC Investigator Remarks:

DECPiper spoke with DEP. Ribbon spill along curbside. Will call sanitation to sand and sweep road. DEP will handle cleanup.
Closed.

Map Identification Number 81 **SIDEWALK** **Spill Number: 0710802** **Close Date: 01/11/2008**
131ST ST/ CONVENT AVE MANHATTAN, NY TT−Id: 520A−0212−713

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 419 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: W 131ST ST / CONVENT AVE
Revised zip code: 10027

Source of Spill:	INSTITUTIONAL, EDUC, GOV, OTHER	Spiller:	UKNOWN	Spiller Phone:	
Notifier Type:	Other	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	SFRAHMAN	Contact for more spill info:	DAVID ECHEVERRIA	Contact Person Phone:	(646) 624−9664

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/11/2008		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	20.00	GALLONS	0.00	GALLONS	GROUNDWATER

Caller Remarks:

some type of oil; spilled on the side walk; flowing down to the catch base; unknown if contained; not cleaned up

DEC Investigator Remarks:

Street spill,Sanitation Operation was notified.

Map Identification Number 82 **128TH ST & AMSTERDAM AVE** **Spill Number: 9315331** **Close Date: 03/06/1995**
128TH ST / AMSTERDAM AVE MANHATTAN, NY TT−Id: 520A−0092−875

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 458 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: W 128TH ST / AMSTERDAM AVE
Revised zip code: 10027

Source of Spill: UNKNOWN Spiller: SUSPECT BUS GARAGE Spiller Phone:
Notifier Type: Affected Persons Notifier Name: Notifier Phone:
Caller Name: SUSMITA BISWAS Caller Agency: NYNEX Caller Phone: (212) 338−7126
DEC Investigator: MCTIBBE Contact for more spill info: Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
03/28/1994		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	−1.00	POUNDS	0.00	POUNDS	SOIL

Caller Remarks:

CLEAN UP TO BE DONE 31 MARCH /94 BY E.P.& S. (908)486−8600 −

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
CLEANED BY NYNEX.

Map Identification Number 83 **BACK OF 419 WEST 129TH STREET** **Spill Number: 9314756** **Close Date: 04/11/2013**
418−420 WEST 130TH STREET NY, NY TT−Id: 520A−0092−046

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 517 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	UNKNOWN	Spiller:	UNK	Spiller Phone:	
Notifier Type:	DEC	Notifier Name:		Notifier Phone:	
Caller Name:	S. CAMMISA	Caller Agency:	NYS DEC	Caller Phone:	(718) 482−4933
DEC Investigator:	HRPATEL	Contact for more spill info:		Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
03/02/1994		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	−100.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

COMING OUT OF WALL IN BACK OF 419 W 129TH ST POOLING IN BETWEEN BLDGS − FDNY WAS AT SCENE ON 3/2/94 DEP NOTIFIED.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "AUSTIN"
Spill site is reassigned from Zhitomirsky to Austin. Updated by Rashid Ahmed on 04/29/2004.

6/13/05 Heitzman − There are several spills that possibly relate to this:

9401941, 2/20/94, 412 W 129th − spill into courtyard and storm drain, 100 gallons

9400780, 4/17/94, Convent Ave & 128th − tank overfill, "oil all over"

9401006, 4/17/94, 419 W 128th − call to request removal of drums from cleanup

9401906, 5/9/94, 419 W 128th − oil leak on the ground that comes up when it rains

9402093, 5/12/94, 419 W 128th − Oil spilled into courtyard at back of building

These have all been closed out.

NEXT STEP: Perform site inspection to determine whether cleanup was complete.

Previous notes done by George Heitzman in C.O.

Spill transferred back to R−2

3/7/08 − Austin − Assigned to Ketani for further investigation − end

6/30/08 − Raphael Ketani. The spill took place on 3/2/94. Oil was coming out of the wall in back of 419 W. 129 Street in between the buildings. The spill was 100 gals. of #4 oil. The PBS is #2−606794 and is for 418 W. 129 Street. There is a 2000 gal. tank in service with #2 oil. It is an AST. The site location is block and lot 1968 and 54. The NYC Property Tax listings indicate that the HPD owns the site. HPD's address is 100 Gold Street, 7th Floor, NY, 10038−1605. Property Shark and ACRIS indicated that Edison Nesfield at 1000 Grand Concourse, Bronx, 10451 still owns the site.

I called up HPD and was eventually transfered to Victor Hernandez, Director, TIL Program, HPD, 100 Gold Street (212) 863−7317. His e−mail address is hernandv@hpd.nyc.gov. He requested an e−mail stating what DEC needed and what the spill was all about. I sent the e−mail.

John Cullen of HPD (212) 863−7371 called me. He said he was the PBS Coordinator. He asked me about the spill. He sounded very angry over the phone. I told him that it happened on 3/2/94. He said he knows this because he went to the spill report via the public spills site. He asked who reported the spill. I told him it was a spill case manager from DEC. He said angrily, "A case manager from DEC?" "You can report your own spills?" I said yes. He said how is this possible. I told him that anyone can call in a spill for free oil or contaminated soil. He said "So one of your people just happened to be there?" I told him that she or he was probably called to the spill, saw what was happening and called it in. I told him it was #4 oil, according to the remarks section. He said they use #2. I told him that sometimes the type of oil is misunderstood in the "heat" of the emergency response. I also told him that the spill is indicated as coming from 419 W. 129 Street, but this is probably a mistake as 419 is across the street. Mr. Cullen said angrily "It probably did come from 419." I told him that though the oil type may be mistaken and the source may be mistaken, DEC still has to check out 418−420 W. 129 Street as this is the spill location for the case. He said angrily "So DEC is going to twist the facts and blame HPD?" I told him that mistakes are made on spill reports and that I was not here to fight with him. I asked him to contact the super for the building and the workers and ask them whether they remember the spill. I told him that I will call the super if he wants. He said he will have to locate his phone number. I suggested that the super and I make a joint site inspection and maybe this will resolve the issue. He said this sounded fair. Mr. Cullen said he will get back to me.

8/18/08 − Raphael Ketani. The case is being prepared for transfer due to a case realignment within the unit. A followup call needs to be made to Mr. Cullen or a letter sent to find out whether an investigation took place or any documentation is available showing that the spill had been cleaned up.

10/31/11−Hiralkumar Patel. case transferred from DEC Hasan to DEC Patel.

04/11/13−Hiralkumar Patel.
10:40 AM:− visited site 419 W 129th St. met with Narciso Ferreira (646−358−9920), building super. Mr. Ferreira is working for last four years only and does not know anything about spill in 1994. site has one 3,000 gal #4 oil AST (2−602928) in vault in basement. as per Mr. Ferreira, the tank is on saddles and tank bottom is about 10 inches above the floor.

during inspection, no sign of oil spill noted in building 419 W 129th St. buildings 419 and 418−420 on W 129th Street are on slope towards the west.

as per caller remarks, oil was seeping into back of 419 W 129th Street pooling between buildings. as per records, building 418−420 W 130th Street is located back of building 419 W 129th Street. so spill may have occurred at building 418−420 W 130th Street, instead of building 418−420 W 129th Street.

reviewed PBS and spill database for building 418−420 W 130th Street. no spill record found for building 418 W 130th Street. as per PBS #: 2−161470 for building 418 W 130th St, site has one 5,000 gal AST in contact with soil for #2 fuel oil. the tank at 418 W 130th St was installed in Jan. 1932. there is no tank test record available. as per NYC DOB record, owner for building 418 W 130th Street applied for permit in Jan. 1998 to replace boiler and change petroleum product grade.

after discusstion with DEC Austin, case closed based on following:
− no spill record for building 418 W 129th Street, other than the subject spill. as per discussion between DEC Ketani and NYC HPD, building 418 W 129th Street use #2 fuel oil and it is located across from building 419 W 129th Street. also, as per caller's remarks, oil found seeping in back of building 419 W 129th Street. buildings 418 and 419 on W 129th Street are located on hill with slope towards the west (towards Convent Ave). based on site location, it is not possible for any oil spill at building 418 W 129th Street to seep into back of building 419 W 129th Street
− as per caller's remarks, oil found coming out of wall in back of building 419 W 129th Street and pooling between buildings. during site visit on 04/11/13, observed a partition wall between buildings 418 W 130th Street and 419 W 129th Street. oil speeping through wall and pooling in back of the building indicates spill on surface.
− no spill record for building 418 W 130th Street
− observations during site visit

based on available information, changed following information in original spill report:
− place: from "420−418 West 129th St." to "back of 419 West 129th Street"
− street: from "420 West 129th St." to "418−420 West 130th Street"

Map Identification Number 84 **CONVENT AVE & 128TH STR** **Spill Number: 9400780** **Close Date: 04/17/1994**
2125 CONVENT AVENUE MANHATTAN, NY TT−Id: 520A−0099−452

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 623 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: 21−25 CONVENT AVE
Revised zip code: 10027

Source of Spill:	UNKNOWN	Spiller:		Spiller Phone:	
Notifier Type:	Fire Department	Notifier Name:		Notifier Phone:	
Caller Name:	JOE IOVIONO	Caller Agency:	NYC FIRE HAZMAT	Caller Phone:	(917) 882−5464
DEC Investigator:	TOMASELLO	Contact for more spill info:		Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/17/1994		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	100.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

FIRE DEPT CALLED TO DWELLING. FOUND FUEL OIL ALL OVER. POSSIBLE TANK OVER FILL OR LEAK. NO ACTION TAKEN WANT CALL PACK.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 85 **APARTMENT BUILDING** **Spill Number: 9311469** **Close Date: 08/13/2008**
408−410 WEST 130TH ST. MANHATTAN, NY TT−Id: 520A−0093−627

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 662 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	UNKNOWN	Spiller:	JACHAR REALTY CORP.	Spiller Phone:	
Notifier Type:	Fire Department	Notifier Name:		Notifier Phone:	
Caller Name:	LT. BRODERICK	Caller Agency:	NYC FD DIN #6	Caller Phone:	(718) 430−0231
DEC Investigator:	rvketani	Contact for more spill info:		Contact Person Phone:	

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/22/1993		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	−1.00	POUNDS	0.00	POUNDS	SOIL

Caller Remarks:

MAY BE 5K TANK LEAKING (SUSPECTED AT THIS TIME) REALTY CORP. IS DOING IMITED CLEAN UP. ACROSS FROM SCHOOL 129 − OIL SEEPING INTO BASEMENT.

DEC Investigator Remarks:

11/03/05 − Request for documentation sent to Jachar Realty.
Heitzman

4/12/06 − No response to documentation request received.

NEXT STEP: Perform site inspection of subject property and adjacent school to determine if reported cleanup was complete. Obtain documentation if available.

Previous notes made by George Heitzman

Spill transferred back to R−2

3/7/08 − Austin − Assigned to Ketani for further investigation − end

5/20/08 − Raphael Ketani. The site is an apartment building at 408−410 West 130 Street, Manhattan. The PBS case is #2−236403 with 2 tanks, a 5000 and a 1080. The 5000 gal. is in service and the 1080 gal. has been converted to non−regulatory use. Both have #2 oil. The original spill was called in on 12/22/93 by Lt. Broderick of the NYFD (718) 430−0231. It consisted of a possible leak of #4 oil from the 5000 gal. tank (the PBS shows that the tank was installed in 1949). The oil was seaping into the basement. The site is across from PS 129.

I checked the case file and E−docs. The only item is the November 3, 2005 letter that was sent to Ana DeRojas requesting documentation that the spill was remediated.

I received a call today from Bernie Bauer of NYC Tank Testing (718) 731−7011. He said they were involved in assessing the site conditions with respect to any old or new oil spills. He said that they did tank system testing and the system passed. They did soil borings along the fill line underground and didn’t find any oil contamination. However, the tank room has some old oil spillage and they will clean this up. He asked what documentation DEC needed in order to close the case. I told him that we

needed individual soil boring sample results for samples taken along the fill line and around the tank. We also needed pictures of the tank room conditions and a copy of the passing system test. He said he will do the borings around the tank and send the documentation.

Mr. Bauer said that the management company is Manor Management, 5114 Ft. Hamilton Parkway, Brklyn., 11219. I checked ACRIS and found the owners to be BTG, LLC, 408 W. 130 Street, NY, 10027−7531. I sent a CSL to BTG through Manor Management.

8/1/08 − Raphael Ketani. I received a package of documents from Abraham Wachsler of NYC Tank Testing.

8/13/08 − Raphael Ketani. I reviewed the cover letter, tank test report, pictures, and the soil analyticals for the 7 samples. All of the sample results were non−detect.

Based upon the data in the above package of documents, I am closing the spill case.

Map Identification Number 86 **408 WEST 130TH STREET** **Spill Number: 9309874** **Close Date: 03/05/2003**
408 WEST 130TH STREET MANHATTAN, NY TT−Id: 520A−0092−009

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 662 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	INSTITUTIONAL, EDUC, GOV, OTHER	Spiller:	PUBLIC SCHOOL 129?	Spiller Phone:	
Notifier Type:	Affected Persons	Notifier Name:		Notifier Phone:	
Caller Name:	JACK W. JAFFE	Caller Agency:		Caller Phone:	(914) 738−6791
DEC Investigator:	SULLIVAN	Contact for more spill info:		Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/15/1993		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	−1.00	POUNDS	0.00	POUNDS	SOIL

Caller Remarks:

BELOW BASEMENT − UNDERGR. STEAM − SOIL IS COMING UP THRU UNDERGR. STREAM INTO BOILER ROOM. THEY DON’T USE #6 F/O − WOULD LIKE

CALL BACK.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 87 **419 WEST 128TH STREET** **Spill Number: 9402093** **Close Date: 05/12/1994**
419 WEST 128TH STREET MANHATTAN, NY TT−Id: 520A−0099−451

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 690 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	UNKNOWN	Spiller:		Spiller Phone:	
Notifier Type:	Affected Persons	Notifier Name:		Notifier Phone:	
Caller Name:	HOLLIS (MS.)	Caller Agency:	NYCDEP	Caller Phone:	(718) 595−6777
DEC Investigator:	SMMARTIN	Contact for more spill info:		Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
05/12/1994	05/09/1994	UNKNOWN	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

OIL SPILLED IN BACK OF BLDG. PLEASE CONTACT FIRE DEPT. REFER TO DEP.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MARTINKAT"

Map Identification Number 88 **419 W. 128TH STREET** **Spill Number: 9401906** **Close Date: 05/11/1994**
419 W. 128TH STREET MANHATTAN, NY TT−Id: 520A−0092−057

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 690 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING
Notifier Type: Fire Department
Caller Name: FIREMAN HENRY
DEC Investigator: MCTIBBE
Spiller: SUPERINTENDENT APT. 12 − MT. WILSON PARTNERS AS
Notifier Name:
Caller Agency: NYC FD
Contact for more spill info:
Spiller Phone: (212) 663−9334
Notifier Phone:
Caller Phone: (718) 476−6288
Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
05/09/1994		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	100.00	GALLONS	100.00	GALLONS	SOIL

Caller Remarks:

OLD LEAK ONTO GROUND. OIL COMES TO SERFACE WHEN IT RAIN. DEP NOTIFIED.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
OVERFILL INTO COURTYARD. REFER TO 94−01941.

Map Identification Number 89 **1430 AMSTERDAM AVE/MANH** **Spill Number: 9011397** **Close Date: 03/27/1991**
1430 AMSTERDAM AVENUE NEW YORK CITY, NY TT−Id: 520A−0094−515

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING − LARGE SITE
Approximate distance from property: 709 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 10027

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:		Spiller Phone:	
Notifier Type:	Other	Notifier Name:		Notifier Phone:	
Caller Name:	BOB DECK	Caller Agency:	PETRO TANK CLEANERS	Caller Phone:	(718) 624−4842
DEC Investigator:	MCTIBBE	Contact for more spill info:		Contact Person Phone:	

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/28/1991	03/27/1991	UNKNOWN	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	−1.00	UNKNOWN	0.00	UNKNOWN	SOIL

Caller Remarks:

SPILL DISCOVERED BY CALLER & SUBSTANTIATED BY APT BLDG SUPER,THIS WAS DISCOVERED WHILE CLEANING UP SPILL AT ADJACENT SITE (SP#9011333),SUPERSAID HE WILL CLEAN UP SPILL & DISPOSE OF IT.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
03/27/91: DEC INVESTIGATED,COULDN'T FIND ANY DRUMS.

Map Identification Number 90 **1430 AMSTERDAM AVE/MANH** **Spill Number: 9011333** **Close Date: 03/27/1991**
1430 AMSTERDAM AVENUE NEW YORK CITY, NY TT−Id: 520A−0094−513

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING − LARGE SITE
Approximate distance from property: 709 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 10027

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	COASTAL OIL	Spiller Phone:	(718) 762−4200
Notifier Type:	Fire Department	Notifier Name:		Notifier Phone:	
Caller Name:	JOHN CASSIDY	Caller Agency:	NYCFD	Caller Phone:	(718) 476−6288
DEC Investigator:	MCTIBBE	Contact for more spill info:		Contact Person Phone:	

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/25/1991	03/27/1991	UNKNOWN	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	100.00	GALLONS	0.00	GALLONS	SEWER

Caller Remarks:

COASTAL HAD SPILL DURING NIGHT,CLEANED UP SPILL & PUT IN DUMPSTER, DUMPSTER WAS SET ON FIRE,OIL OVERFLOWED ONTO STREET & INTO SEWER,NYCFDWARNED OIL CO,COASTAL ENROUTE TO CLEAN UP,EPA,DEP NOTIFIED.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
01/26/91: NYCDEP RESPONDED,MB TRANSPORT (SUB CONTR OF COASTAL) MADE INITIAL DELIVERY,THEY ARE ALSO RESPONSIBLE FOR INITIAL CLEAN UP.

Map Identification Number 91 **MANHATTANVILLE −NYCHA** **Spill Number: 8906595** **Close Date: 02/06/2006**
1430 AMSTERDAM AVENUE NEW YORK CITY, NY TT−Id: 520A−0094−511

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING − LARGE SITE
Approximate distance from property: 709 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 10027

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Responsible Party
Caller Name: MR. DIGINOVA
DEC Investigator: SWKRASZE
Spiller: NYC HSG AUTH
Notifier Name:
Caller Agency: NYCHA
Contact for more spill info:
Spiller Phone:
Notifier Phone:
Caller Phone: (212) 306−3138
Contact Person Phone:

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/19/1989		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	−1.00	UNKNOWN	0.00	UNKNOWN	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		Unknown	0.00	UNKNOWN

Caller Remarks:

STAINS ON WALLS, SUSPECT LEAK, WILL TEST TANK & DO SOIL BORINGS.

DEC Investigator Remarks:

12/28/05: This spill transferred from J.Kolleeny to S.Kraszewski.

02/06/06: This spill closed to consolidate with open spill #0006409. − SK

Map Identification Number 92 **26 PRECINCT NYPD −DDC** **Spill Number: 9516780** **Close Date: 02/17/2005**
520 WEST 126TH STREET NEW YORK, NY TT−Id: 520A−0092−311

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 753 feet to the W

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Local Agency
Caller Name: IGOR GOLSHTEYN
DEC Investigator: ADZHITOM

Spiller: NYPD
Notifier Name: IGOR GOLSHTEYN
Caller Agency: RECON ENVIRON CORP
Contact for more spill info:

Spiller Phone:
Notifier Phone: (212) 545−7440
Caller Phone: (212) 545−7440
Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
03/28/1996		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

CALLER DISCOVERED CONTAMINATED SOIL − CLEAN UP HAS NOT BEGUN

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ZHITOMIRSKY"

Site was addressed under the NYCDDC Consent Order. Original CM was Crow and then the site was handled by OBK. URS has investigated and monitored the site for two years. Monitoring of groundwater wells showed that contaminant concentrations are below criteria or slightly above criteria. NFA leeter was issued by NYCDDC on 7/1/03 Alex Zhitomirsky

Map Identification Number 93 **1346 AMSTERDAM** **Spill Number: 0302575** **Close Date: 08/19/2009**
1346 AMSTERDAM AVE MANHATTAN, NY TT−Id: 520A−0091−429

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 779 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	UNKNOWN	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Affected Persons	Notifier Name:	MR. MEYER	Notifier Phone:	
Caller Name:	ANDREW MORRIS	Caller Agency:	CON EDISON	Caller Phone:	(212) 580−6763
DEC Investigator:	RWAUSTIN	Contact for more spill info:	ANDREW MORRIS	Contact Person Phone:	(212) 580−6763

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/10/2003		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

This is a 3rd party spill the name and address are unknown of the spiller. The spill was discovered during excavation of the

property

CON ED# 148680 . No to the five questions

DEC Investigator Remarks:

E2MIS 148680

Entered by Meyer

Third Party Spill reported by Supervisor Mandara to the Gas ERC. While a gas construction crew was excavating Gayle # 19724 found an unknown amount of fuel oil in the soil. EH&S McCallion was notified and he contacted the ERC to assist in making the E2mis report. The excavated soil will be placed on plastic and

covered with plastic. There is a fuel oil fill nearby for the oil fired house heating/hot water unit. The spill does not appear to have entered sewers or waterways and there was no smoke or fire. EH&S McCallion will follow up on this job and this report.

Logger Chris McCalion (86578) 12−JUN−2003 12:00 − I talked to Abraham Rodriguez of the DEC to discuss how his agency is handling this thrid party spill. He said he will have to send someone out to investigate the spill. I told him that Con Ed placed the excavated fill back where it came from. I am going to enter a stop time, but will have to wait for a resolved time since this spill has an open DEC number (03−02575).

Logger Chris McCallion (86578) 25−JUN−2003 − Changed Opn Status to "−CLOSE" for DEC closure.

8/19/09 − Austin − Search for associated spills/PBS registrations yielded nothing − closed without further concrete info provided − end

Map Identification Number 94 **411 W 128TH ST** **Spill Number: 0102976** **Close Date: 12/15/2009**

411 W 128TH ST MANHATTAN, NY TT−Id: 520A−0091−232

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 803 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	PRIVATE DWELLING	Spiller:	YURI JAFFA − 408−412 W 129 STREET ASSOCIATION L	Spiller Phone:	(212) 570−4300
Notifier Type:	Local Agency	Notifier Name:	TERRY OPR 156	Notifier Phone:	(718) 595−6777
Caller Name:	TERRY OPR 156	Caller Agency:	NYC DEP	Caller Phone:	(718) 595−6777
DEC Investigator:	RVKETANI	Contact for more spill info:	OPR 441	Contact Person Phone:	(212) 570−4300

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/18/2001		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

fd on scene

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "DEMEO"
On 6/18/01 Spill responder De Meo received a report from NYFD regarding fuel oil leaking into a HPD owned apartment building, located at 411 West 128th Street in Manhattan (spill #0102976). The oil from an unknown source was coming out of drains and small open excavations in the basement of the above mentioned property. Additionally, in the courtyard behind the property oil was observed leaching through a 20 ft. high retaining wall. A canvas of the area revealed a leaking 5,000 gallon tank at 412 West 129th Street. The above tank was leaking the fuel oil into an open excavation (3 ft x 3ft x 3ft). The building owner was instructed to empty contents of tank and address the impacts to building on W128th. Eastmond Tank cleaners was retained to pump oil and perform cleanup. DLE was notified and responded to scene. Several summons were issued for existing violations. A complete subsurface investigation will be performed.

6/14/05 Heitzman − Requested additional information from DLA concerning responsible party, summons, violations & subsurface investigation.

10/20/05 Heitzman − No response received from DLA. Documentation requested from property owner.

4/12/06 − No response received from property owner.

NEXT STEP: Perform site inspection to determine whether cleanup was complete. Obtain documentation from property owner and/or Regional DLA if available.

10/2/09 − Austin − Spill transferred from Albany staff to Ketani, for further investigation − end

10/20/09 − Raphael Ketani. As the spill originated from 412 West 129th Street, I am designating this site as the responsible party. A previous spill occurred at 412 West 129th Street on 2/20/94. The spill case is #9401941. A 5,000 gal. tank with #6 oil broke. About 100 gals. was released. The oil came through the backyard retaining wall of the building at 411 West 128th Street and entered a storm drain. A.L. Eastmond came and cleaned up the spill. There are no E−docs for this case and no database notes. The case was closed on 7/10/94 by Mark Tibbe of DEC.

The subject spill occurred on 6/18/01. Oil was coming through the backyard retaining wall for 411 West 128th Street, and coming out of drains and small excavations in the basement of 411 West 128th Street. The tank at 412 West 129th Street was found to be leaking, again.

The PBS registration is number #2−602938. There is one 5,000 gal. AST in touch with the ground. There is no installation date listed. The fuel is #2 oil. The tank location is at 408 West 129th Street, but the building is designated as 408−412 West 129th Street. The operator is listed as Barbaro Delauz (917) 299−7714. The owner is 408−412 West 129th Street Association, LLC, P.O. Box 1799, NY, 10026. The management company is Jack Jaffa and Associates, 56 Willoughby Street, Brooklyn, 11201, Yuri Jaffa (718) 855−6110.

There are no E−docs. A letter dated 10/20/2005 was sent by Albany DER to Than−Propp Equities, 405 Park Avenue, NY, 10022, but there was no response. This was the only document in the case file.

Today, I found out that the property managers listed in the PBS registration and on the letterhead are incorrect. The latest manager is Manhattan North Management (212) 996−0200. I tried calling the manager, Anna Martinez, but could only leave a voice mail message.

12/15/09 − Raphael Ketani. I made an unannounced site visit. I met the super. of 412 West 129th Street, Michael Smith (917) 299−7714. I asked him whether he had been here in 2001 when the spill took place. He said he had. He showed me the tank room. There was a fairly new tank inside on metal saddles. There were no signs of any problems with the tank. The tank room floor was free of oil stains and there were no odors. Next, Mr. Smith took me to the outside of the tank room. He pointed to the bottom of the outside wall and said that the oil had flowed out of the tank room and under the wall (see E−docs). Then, he said, the oil flowed over the edge of the back courtyard and onto the courtyard of 411 West 128th Street. I looked the area over and there were no signs of an oil spill, neither on the wall, nor in the courtyards. I thanked him for showing me the tank and left.

As the tank appeared to be in good condition, and as the spill appeared to have been cleaned up, I have determined that there is no threat to the public or the environment. Therefore, I am closing the spill case.

Map Identification Number 95 **SERVICE BOX 20506** **Spill Number: 0002628** **Close Date: 04/02/2004**
465 WEST 125TH ST MANHATTAN, NY TT−Id: 520A−0099−453

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 825 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Responsible Party
Caller Name: BILL MURPHY
DEC Investigator: JHOCONNE

Spiller: CALLER − CON EDISON
Notifier Name:
Caller Agency: CON EDISON
Contact for more spill info: BILL MURPHY

Spiller Phone: (212) 580−6763
Notifier Phone:
Caller Phone: (212) 580−6763
Contact Person Phone: (212) 580−6763

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/01/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

1 pt of unk oil on 70 gal of water − clean up pending results

con ed spill #131670

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
e2mis no. 131670:

1 pint of an unknown oil in servicebox # 20506. Cleanup wil be pending the lab results.

sample no. 126051 PCB <1 ppm

DATE AND TIME THE CLEANUP WAS COMPLETED: 06/02/00, 20:00.

CLERANUP PROCEDURE: OIL AND WATER REMOVED VIA TANKER UNDER 50 PPM, FLUSH TRUCK FROM ENVIRONMENT OPERATIONS USED A

HIGH PRESSURE HOSE TO DOUBLE WASHED THE FLOOR AND WALLS WITH BIO−GENESIS SOLUTION (SLIX), SERVICE BOX WAS THEN RINSED BY

FLUSH TRUCK.

Map Identification Number 96 **SERVICE BOX 55632** **Spill Number: 0002627** **Close Date: 04/02/2004**
FRONT OF 469 W.125TH ST MANHATTAN, NY TT−Id: 520A−0094−524

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 871 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: IFO 469 WEST 125 ST
Revised zip code: 10027

Source of Spill:	UNKNOWN	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Affected Persons	Notifier Name:		Notifier Phone:	
Caller Name:	MR SCHLAGEL	Caller Agency:	CON EDISON	Caller Phone:	(212) 580−6763
DEC Investigator:	JHOCONNE	Contact for more spill info:	MR SCHLAGEL	Contact Person Phone:	(212) 580−6763

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/01/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
OTHER	OTHER	1.00	GALLONS	1.00	GALLONS	SOIL
The following material was dropped or revised by the NYS DEC. Call Toxics Targeting for more information						
OTHER PETROLEUM	UNKNOWN	1.00	GALLONS	0.00	GALLONS	

Caller Remarks:

THEY HAVE A 1 QUART SPILL ON TOP OF 100 GALLONS OF WATER.

CLEANUP PENDING RESULTS.

131669 CON ED

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
e2mis no. 131669:

1 quart of unknown oil &100 gallons of water in sb #55632. Cleanup pending test results.

Lab−Seq# 00−05348 PCB <1 ppm

DATE AND TIME THE CLEANUP WAS COMPLETED: 06/2/00, 22:00.

CLEANUP PROCEDURE: OIL AND WATER REMOVED VIA TANKER UNDER 50 PPM, FLUSH TRUCK FROM ENVIRONMENT OPERATIONS USED A HIGH PRESSURE HOSE TO DOUBLE WASHED THE FLOOR AND WALL'S WITH BIO−GENESIS SOLUTION (SLIX), SERVICE BOX WAS THEN RINSED BY FLUSH TRUCK.

Map Identification Number 97 **STREET** **Spill Number: 0406199** **Close Date: 10/27/2004**
AMSTERDAM AV & W 125TH MANHATTAN, NY TT−Id: 520A−0094−488

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 884 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: AMSTERDAM AVE / W 125TH ST
Revised zip code: NO CHANGE

Source of Spill:	UNKNOWN	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Police Department	Notifier Name:	PO PIERRE	Notifier Phone:	(212) 678−1311
Caller Name:	PO PIERRE	Caller Agency:	NYPD 26TH PRECINT	Caller Phone:	(212) 678−1311
DEC Investigator:	TJDEMEO	Contact for more spill info:	NYPD OFFICER PIERRE	Contact Person Phone:	(212) 678−1311

Category: Possible petroleum release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters, known releases with no potential for damage, or non−petroleum/non−hazardous spills.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/07/2004		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
NON PCB OIL	PETROLEUM	0	UNKNOWN	0	UNKNOWN	SOIL
NON PCB OIL	PETROLEUM	0	POUNDS	0	POUNDS	SOIL

Caller Remarks:

NYPD dispatched to above location for spill of unkn oil, in roadway causing slick conditions.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "DEMEO"

10/27/2004 TJD
Roadway spill. Sanatation sanded street. No further action required. Spill closed.

Map Identification Number 98 **SPILL NUMBER 9808604** **Spill Number: 9808604** **Close Date: 02/03/2003**
545 WEST 125TH STREET MANHATTAN, NY TT−Id: 520A−0097−047

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 890 feet to the W

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL Spiller: CON EDISON Spiller Phone: (212) 580−6763
Notifier Type: Responsible Party Notifier Name: MR. ROMANO Notifier Phone:
Caller Name: FRANK MASSERIA Caller Agency: CON EDISON Caller Phone: (212) 580−6763
DEC Investigator: CAENGELH Contact for more spill info: Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/11/1998		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN MATERIAL	OTHER	0	GALLONS	0	GALLONS	AIR

Caller Remarks:

SMOKE COMING FROM MANHOLE. BEING TREATED AS IF THERE IS >500 PPM OF PCB'S. REPORTED TO NATIONAL RESPONSE CENTER ALSO.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ENGELHARDT"

Map Identification Number 99 **210821; MORNINGSIDE AVE AND 127 ST** **Spill Number: 0814182** **Close Date: 08/11/2008**
MORNINGSIDE AVE AND 127 ST NEW YORK, NY TT−Id: 520A−0249−500

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 903 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: MORNINGSIDE AVE / W 127TH ST
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL | Spiller: ERT DESK − CON EDISON | Spiller Phone:
Notifier Type: Responsible Party | Notifier Name: | Notifier Phone:
Caller Name: | Caller Agency: | Caller Phone:
DEC Investigator: DMPOKRZY | Contact for more spill info: ERT DESK | Contact Person Phone: (212) 580−8383

Category: Possible petroleum release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters, known releases with no potential for damage, or non−petroleum/non−hazardous spills.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/14/2008		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIELECTRIC FLUID	PETROLEUM	0	GALLONS	0	GALLONS	UTILITY

Caller Remarks: NO REMARKS GIVEN FOR THIS SPILL

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 100 **133RD ST & CONVENT AV** **Spill Number: 9600836** **Close Date: 04/18/1996**
133RD ST & CONVENT AV MANHATTAN, NY TT−Id: 520A−0093−637

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 914 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: W 133RD ST / CONVENT AV
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL VEHICLE | Spiller: RICHARD ROACH − CON EDISON | Spiller Phone: (212) 580−6764
Notifier Type: Responsible Party | Notifier Name: MR HIGGINS | Notifier Phone: (212) 580−6764
Caller Name: RICHARD ROACH | Caller Agency: CON ED | Caller Phone: (212) 580−6764
DEC Investigator: CAENGELH | Contact for more spill info: RICHARD ROACH | Contact Person Phone: (212) 580−6764

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/17/1996		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
ANTIFREEZE	OTHER	6.00	GALLONS	6.00	GALLONS	SOIL

Caller Remarks:

truck over heating caused spill of 6 gals anti freeze

onto black top drive way−has been cleaned up by con ed

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ENGELHARDT"
CLEANED BY RP.

Map Identification Number 101 **IN BEDROCK** **Spill Number: 0900882** **Close Date: 04/08/2010**
162 ST. NICHOLAS TERRACE NY, NY TT−Id: 520A−0227−879

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING − LARGE SITE
Approximate distance from property: 943 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: 162 SAINT NICHOLAS TER
Revised zip code: 10031

Source of Spill:	INSTITUTIONAL, EDUC, GOV, OTHER	Spiller:	HISTORICAL SPILL		Spiller Phone:
Notifier Type:	Other	Notifier Name:			Notifier Phone:
Caller Name:		Caller Agency:			Caller Phone:
DEC Investigator:	RMPIPER	Contact for more spill info:	SAME AS ABOVE		Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/23/2009		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
OTHER	OTHER	0	UNKNOWN	0	UNKNOWN	SOIL

Caller Remarks:

City college of NY site has located a possible historical spill of some type of petroleum. They are sending samples to be tested.

DEC Investigator Remarks:

Piper made a site visit to construction site. Met with project manager and project Geo. Site is an excavation in bedrock. A small amount of oil <10 gal was observed seeping out of bedrock fracture into utility trench. As there is not a lot of oil I instructed them to build a french drain along bottom of excavation that can be monitored via vertical well. Well will be monitored for a month and determination will be made to investigate further if warranted. There ar no active tanks on the property. Adjacent building had a 6 oil ust but was taken out 2 years ago. temp tank on site. This site is highest elevation of bedrock locally.

Area has been dug out. utility box installed .No additional seepage observed. Based on work to date and amount of observed fuel, this spill is closed.

Map Identification Number 102 **CITY COLLEGE** **Spill Number: 0604053** **Close Date: 08/11/2006**
141 CONVENT AVE MANHATTAN, NY TT−Id: 520A−0097−536

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING − LARGE SITE
Approximate distance from property: 943 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	INSTITUTIONAL, EDUC, GOV, OTHER	Spiller:	BRUCE SUFFERN − DORMITORY AUTHORITY STATE	Spiller Phone: (212) 491−6930
Notifier Type:	Local Agency	Notifier Name:		Notifier Phone:
Caller Name:		Caller Agency:		Caller Phone:
DEC Investigator:	SFRAHMAN	Contact for more spill info:	BRUCE SUFFERN	Contact Person Phone: (212) 491−6930

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/12/2006		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

THERE IS CONTAMINATED SOIL. CLEAN UP IS IN PROCESS.

DEC Investigator Remarks:

07/13/06 Rahman− Ronaldo Arco of PSI @212.889.0294 called DEC, they have taken out 35,000 galon tank. The tank was sitting on concrete slab and three of the side walls are building structural and other side is bed rock. They will send DEC the pictures.

08/09/06 Rahman− Inspected the site with DEC Veronica Zhune on 08/07/06 morning.PSI completed the removal of one 35000 gallon UST at the site.The tank location is on top the hilly area compared to the surrounding area.The sidewalls and bottom of the excavation were either bedrock or concrete, and no visible sheen was observed on the water.A total of 786 tons of contaminated soil were excavated and disposed.PSI excavated all soils between the former tank location and the Y building to an approx. depth of 20 ft below grade. VOCs were not detected in soils. SVOCs were detected. Detected compounds are PAHs,PSI recommended, a subject of SVOCs typically found in historic urban areas such as Manhattan.No VOCs or SVOCs were detected in the July 21st water sample. There was no visual evidence of any sheen on the water on or after July 21,2006. Based on the site inspection,work performed to remove contamination and analytical data, NFA is required.

Map Identification Number 103 **ENGINE CO. 037/LADD. CO. 40 FDNY −DDC** **Spill Number: 9905882** **Close Date: 03/23/2006**
415 WEST 125TH STREET NEW YORK, NY TT−Id: 520A−0092−635

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1137 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	UNKNOWN	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Other	Notifier Name:		Notifier Phone:	
Caller Name:	KEVIN MURPHY	Caller Agency:	TYREE ENVIRONMENTAL	Caller Phone:	(516) 249−3150 ext. 2
DEC Investigator:	ADZHITOM	Contact for more spill info:	CALLER	Contact Person Phone:	(516) 249−3150

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/17/1999		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

caller report they were doing geoprobing and found soil contamination.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ZHITOMIRSKY"

3−23−2006 The site was remediated under NYCDDC COnsent Order. AZ

Map Identification Number 104 **MOBIL S/S** **Spill Number: 9205134** **Close Date: 11/25/2009**
3260 BROADWAY NEW YORK, NY TT−Id: 520A−0094−503

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1145 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	GASOLINE STATION	Spiller:	SHAWN TYREE − TYREE ORGANIZATION	Spiller Phone:	(631) 249−3847 ext. 2
Notifier Type:	Responsible Party	Notifier Name:		Notifier Phone:	
Caller Name:	R HERZFELD	Caller Agency:	LAW FIRM	Caller Phone:	(212) 888−7717
DEC Investigator:	skcarlso	Contact for more spill info:	MARTIN IGEL	Contact Person Phone:	

Category: Known release which created a fire/explosion hazards (inside or outdoors), drinking water supply contamination, or significant releases to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved	Meets Cleanup Standards	Penalty Recommended
08/04/1992		UNKNOWN	2−601563	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	0	GALLONS	0	GALLONS	GROUNDWATER

Caller Remarks:

4000 PPM. INVESTIGATION CONTINUING.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ROMMEL"
This spill case was reassigned from DEC (Sigona) to Rommel on 02/10/2004.

FREE PRODUCT ENCOUNTERED ON SHALLOW WATER TABLE & BEDROCK ENCOUNTERD. TYREE DOING CLEANUP. MONITORING AND USING PASSIVEL BAILERS TO RETRIEVE PRODUCT.

Reassigned from Mulqueen to Sigona on 10/30/00.

Bureau B, unassigned, due to low priority. Transferred from R−2 on April 27, 2005. Formerly R−2, unassigned.

07/22/05 − July 22, 2005 Semi−Annual Monitoring Report submitted to DEC revealed groundwater total BTEX at 442 ppb and MtBE at 301 ppb in MW−3 on the site. By Perez.

07/27/05 − Perez spoke with Shawn Healey (Tyree's PM, 631−249−3847 Ext. 236) to determine the status of the site. Tyree acknowledges that they are the responsible party for this site and they are undertaking investigatory activities and monitoring the site on a quarterly basis. By Perez.

11/10/05: Project assigned to Sarah Andersen. Reconfirmed that Tyree is the responsible party with Shawn Healey. Changed potential spiller information in UIS database.

2/28/06: Called Shawn Healey to followup on status of MW installation and overdue quarterly report.

3/13/06: Spoke with Shawn Healey, he will send me the latest report.

3/15/06: Received quarterly report dated March 13, 2006. Samples collected on 2/1/06. Only two wells onsite. Max BTEX 282ppb (W−3) and max MTBE 107 ppb (W−3). Depth to water 6 ft. Concentrations appear to be naturally attenuating.

8/21/06: Left a voice message for Shawn Healey to followup on status of overdue quarterly report.

8/31/06: Refer to spill 8709144 adjacent to this site. An odor was present in the sump. The sump will be sampled.

9/5/06: Left voice message with Shawn Healey regarding overdue update report.

9/14/06: Spoke to Shawn Healey, he will submit reports via email. Sensitive receptor survey required for this site.

10/6/06: Spoke to Shawn Healey. A report was submitted by email, but was not received. He will Fedex the report.

10/11/06: Reviewed update report. Wells sampled on 8/14/06. Max BTEX 338 ppb in MW3, max MTBE 26 ppb in W−3.

2/13/07: Spoke to Shawn Healey. He will check on the status of the most recent sampling event, and update report.

2/22/07: Received update report. Wells sampled on 2/13/07. Max BTEX 352 ppb (W−3), max MTBE 31 ppb (W−3). Continue monitoring.

7/17/07: Sent email to Shawn Healey to followup on monitoring report.

7/30/07: Left phone message for Shawn Healey to followup on status of monitoring report.

Received update report. Two wells sampled on 5/22/07. Low dissolved concentrations. Max BTEX 77 ppb, max MTBE 12 ppb. Continued quarterly sampling and reporting required.

8/24/07: Received email from Justin Keller − new Tyree PM. Will send monitoring report.

Justin C. Keller
Environmental Scientist I
The Tyree Company
208 Route 109
Farmingdale, NY 11735
Tel: 631−249−3150 ext. 229
Fax: 631−249−3281
Cell: 631−872−8689

9/5/07: Reviewed update report. Wells sampled on 8/15/07. Low dissolved concentrations. MNA. Evaluate for closure next quarter.

3/5/08: Reviewed quarterly monitoring report dated January 2008. Fluctuating concentrations. Wells sampled on 11/30/07. Max BTEX 399 ppb (W−1), max MTBE 3 ppb (W−1). Left phone message for Justin Keller, recommended that a more proactive approach be taken at this site.

3/6/08: Received email from Justin Keller (JKeller@tyreeorg.com):"As per our telephone conversation on March 6, 2008 at 3:15 PM concerning the state of spill #92−05134 at the above mentioned site, Tyree Environmental Corporation has agreed to schedule and carry out EVR events on a monthly basis on monitoring wells MW−1 and MW−3 in as action to expedite the closure of the aforementioned spill number.

Justin C. Keller
Environmental Scientist I
Tyree
208 Route 109
Farmingdale, NY 11735
Tel: 631−249−3150 ext. 229
Fax: 631−249−3281
Cell: 631−872−8689"

7/9/08 − Carlson: Reviewed update report dated May 29, 2008. Spike in groundwater concentrations. BTEX concentration 5,958 ppb in MW3. Sent letter to Tyree requiring the installation of a third on−site well. Sent letter to Mobil requiring tightess testing.

7/30/08 − Carlson: Received phone call from tank tightness test technician. Test is in progress, they can’t tightness test the dispenser pans because they are filled with gravel. Spoke DEC Krimgold, dispenser pans are to be filled with gravel if they have fiberglass piping, in which case tightness testing would be difficult.

8/28/08 − Carlson: Sent letter approving Investigation Plan for installation of an additonal well. RIR due in 90 days.

9/17/08 − Carlson: Spoke to Justin Keller (631−872−8689). Refusal was encountered with a Geoprobe (7 borings were encountered, depth of refusal approximately 5 ft, groundwater in other on−site wells is 6 − 7 ft. They need to go back with a bigger drill rig.

1/7/09 − Carlson: Received email from Justin Keller, remobilization is scheduled for tomorrow morning. The workplan was resubmitted indicating that a rotary air drill will be used instead of a hollow stem auger.

3/23/09 − Carlson: Received email from Justin Keller. Wells installation was not possible with an air rotary rig either. A site plan with refusal locations was submitted. Emailed Justin Keller a site plan with three alternate well locations. The sidewalk well on Broadway can be completed as a soil boring, but the other two locations should be completed as monitoring wells.

9/18/09 − Carlson: Left voice message for Justin Keller.

11/25/09 − Carlson: Subsurface Investigation Report dated October 2009. New well MW4 is clean. October 2009 Quarterly Report shows residual impact in W−1 and W−3. Historic sampling data shows the plume has stabilized. Case closed.

Map Identification Number 105 **SPILL NUMBER 9811696** **Spill Number: 9811696** **Close Date: 02/10/1999**
W 126TH ST 11TH AVE MANHATTAN, NY TT−Id: 520A−0092−986

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1151 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: BROADWAY / W 126TH ST
Revised zip code: 10027

Source of Spill:	UNKNOWN	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Local Agency	Notifier Name:	INDUSTRIAL WASTE	Notifier Phone:	
Caller Name:	OJ FERGUSON	Caller Agency:	DEP	Caller Phone:	(718) 595−6700
DEC Investigator:	CAENGELH	Contact for more spill info:	OJ FERGUSON	Contact Person Phone:	(718) 595−6700

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/16/1998		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

CALLER HAD NO INFO

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ENGELHARDT"
12/16/98, 1739 − Keith Williams of DEP IWCS reported that gasoline from traffic accident and NYFD picked up w/ speedy dry and put into drums. Told him that DEC does not dispose of gas/oil from these incidents and that DEC's position was that waste was responsibility of vehicle owner and/or NYC.

Map Identification Number 106 **LOT VACANT @ BROADWAY WEST 130TH** **Spill Number: 1101589** **Close Date: 09/27/2011**
MANHATTAN BLOCK 1996/ LOT 3 MANHATTAN, NY TT−Id: 520A−0263−515
ALSO LOT 18

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1152 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: BROADWAY / W 130TH ST
Revised zip code: 10027

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	RYAN MANBERBACH − LOT VACANT @ BROADWAY WEST 13	Spiller Phone:	
Notifier Type:	Responsible Party	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	RVKETANI	Contact for more spill info:	RYAN MANBERBACH	Contact Person Phone:	(212) 479−5582

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
05/12/2011		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	100.00	GALLONS	0.00	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
1	550	Unknown	0.00	UNKNOWN

Caller Remarks:

while excavating two tanks were discovered, while attempting to remove fuel was lost. clean up pending. Spoke at DEC today.

DEC Investigator Remarks:

5/12/11 − Raphael Ketani. A construction crew was trying to remove a UST. However, about 100 gals. of unknown oil was spilled. The site is block and lot 1996/3.

The contact is Ryan Manberbach (212) 479−5582 of Langan Engineering. I spoke to Mr. Manberbach. He said that the excavator was digging quickly and hit a tank in a vault. An unknown type of oil or liquid flowed out. The vault contained 1 UST and was 8 feet below grade. They did not expect to find a tank this deep and the GPR didn't indicate a vault or tank. The contaminated soil was stockpiled. A vacuum truck is collecting the spilled oil or liquid. A soil sample was sent off for waste characterization.

The site is about 1 entire city block in size and consists of 12 seperate properties. There is an environmental remediation project taking place right now. There are 2 former gas stations abutting the site. It is a joint NYC Office of Environmental Remediation − NYS DEC project. They expect to dig down 55 feet below grade before they are finished. About 250,000 cu. yds. of material will be removed. Langan is not sure of the history of the site − there are few records. He said that it's a big project that was monitored by Sarah Carlson of the Region 2 DEC Superfund/Brownfield Unit. Mr. Manberbach added that Ms. Carlson will be back in September 2011.

I told Mr. Manberbach to send me pictures, analytical results for the contaminated soil, and manifests for the liquid, soil and tank. He said that he will do this.

5/26/11 − Raphael Ketani. Mr. Manberbach (212) 479−5582 called with an update regarding the site. He said that 3 more tanks were discovered. The other three contained solvents − acetone and toluene. One tank with acetone leaked. The contaminated soil has been dug out and stockpiled. They just received the classifcation results today. The contaminated soil is non−hazardous. They already have a site that will accept the soil. I told Mr. Manberbach that the tanks have to be registered. He said that there is a company working on the paperwork right now and they will forward it to Langan. End point samples will be taken after the pit with the tanks is completely dug out. I asked Mr. Manberbach how far down they will go. He said another 10 feet. I asked him whether that will put the floor of the pit within 10 feet of the water table. He said that it will. I told him that, in such a case, he needed to take two groundwater samples, one below the pit and one downgradient. I added that the groundwater results needed to be sent to the DEC as soon as he receives them. He said that he will. I finished the conversation by saying that all of the data and information needed to be submitted in a report to the DEC. He said that he will do this.

Later, John Gavras (212) 479−5406 (gov−ras) of Langan called. He said that the site will be excavated to 55 feet below grade. The whole block will be excavated. A 4 foot slurry wall will be installed to 35 feet below grade − into the water table. There will be 3 sub−levels. An estimated 100 gals. of acetone was released from one tank. The construction company excavator operator struck the tank. The other tanks were full. The release happened in the vault. All of the soil will be excavated around and under the vault where the 4 tanks were. End point samples will be taken. I asked Mr. Gavras how large the vault was and how large the tanks were. He said that he didn't know, but he will find out. I told Mr. Gavras that I was asking the question because an appropriate number of end points will need to be taken in the vault grave to provide coverage. He said that he understood and that he will figure out how many are needed. I told him to get back to me regarding this issue. Mr. Gavras said that he will and the conversation ended.

5/27/11 − Raphael Ketani. Mr. Gavras (212) 479−5406 called me back. He said that the concrete slab that makes up the floor of the vault is 15 feet long and 9 feet wide. He proposed doing a 30 foot long by 20 foot wide excavation. He suggested doing 6 end points. One in each sidewall and 2 in the floor. I told him that since the location would be over excavated, then the 6 borings would be acceptable.

6/14/11 − Raphael Ketani. Mr. Manberbach (212) 479−5582 called. He said that they were digging at lot 18, which is to the southwest of lot 3 (close to West 129th Street), and hit another vault. The vault was 15 feet down. It contained a tank with gasoline. The tank was vacuumed out. This discovery will be called into the Spills Hotline as a new spill. I told Mr. Manberbach to indicate to the Hotline that I will be the spill manager. I added that I will receive this new spill, refer it to the earlier open one, and close out the case. He said that he will do this.

This latter spill case became #1102949. I closed it out today and referred it to this open spill case.

8/4/11 − Raphael Ketani. I tried to contact Mr. Gavras (212) 479−5406 and Mr. Manberbach (212) 479−5582 regarding progress at the site, but I could only leave messages.

Mr. Manberbach (Ryan) returned my call. He said that all of the tanks and all of the contaminated soil have been removed. End point samples were taken and he has the results. A closure report will be put together and sent to the DEC sometime next week. Mr. Manberbach added that he is the project manager for the case.

9/15/11 − Raphael Ketani. I spoke to Mr. Manberbach (212) 479−5582. He said that the closure report was completed and is on the desk of the person at Langan who has to review it. Once the report is reviewed, it will be sent to the client for review. He was not sure how soon the DEC would get the report.

9/22/11 − Raphael Ketani. Today I received the Langan 9/22/11 Spill Closure Report. I began my review.

9/27/11 − Raphael Ketani. I finished my review of the 9/22/11 Spill Closure Report. At both the acetone and the gasoline spill locations, the contaminated soil was dug up from around and under the vaults. The soil, sludge, and liquids were sent to various disposal facilities. Manifests were included in the Report. End point samples were take at the location of the acetone spill and excavation. There were still hits of acetone up to 3300 ppb in a floor sample and 25,000 ppb of acetone for one sidewall sample. There were also 1100 ppb of total xylenes in a floor sample. The SVOC hits for non−benzo series analytes were very low, but the results for the benzo series suggested the presence of historical fill. End point samples were not taken in the vault grave where the gasoline tank was ruptured as Langan indicated that the soil concentrations were similar to the surrounding soil which had product contamination. They also stated that the PID meter did not register any hits after the excavation was completed. However, the entire site will be excavated 45 feet to 60 feet below grade. So all of the remaining soil, no matter what the contamination concentrations are, will be removed as part of the larger site development project.

As the spills pertaining to cases #1101589 and #1102949 have been remediated and as the soil at the entire site will eventually be removed once development starts, I have determined that the residual contamination is not a threat to the public or the environment. Therefore, I am closing spill case #1101589. However, I will send an e−mail to Mr. Manberbach stating that the tanks still need to be registered and that the large remediation case for the entire site will still remain open.

Map Identification Number 107 **U−HAUL** **Spill Number: 8709144** **Close Date: 09/25/2006**
3270 BROADWAY NEW YORK CITY, NY TT−Id: 520A−0094−502

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1176 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	U−HAUL	Spiller Phone:	
Notifier Type:	Fire Department	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	aaobliga	Contact for more spill info:		Contact Person Phone:	

Category: Known release which created a fire/explosion hazards (inside or outdoors), drinking water supply contamination, or significant releases to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/25/1988		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	−1.00	POUNDS	0.00	POUNDS	GROUNDWATER

Caller Remarks:

ODORS EMINATING FROM SUMP IN BASEMENT, TANK TESTS ORDERED BY FIRE DEPT.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ROMMEL"
12/2/2003 transferred from Sangesland to Rommel

3/17/05−Vought−Spill transferred from Rommel to Vought.

9/26/05−Obligado−Spill transferred from Vought to Obligado

8/31/06 − Obligado − Phone message from Joey Peck at Amerco inquiring as to this spill number. I reviewed a Closure Report for this site from 1994. According to the report, the tanks were abandoned in place with concrete slurry. 4 soil borings were advanced adjacent to the USTs, one in the vent pipe area, and one in the fill port. Only minor PAH exceedences. Called Joey Peck and told him to submit a Closure Petition including a investigation into the basement sumps with a PID to ensure no more odors eminating from sumps.

9/25/06 − Obligado − Review letter report from ERM documenting vapor investigation. No existiting basement or crawl space and the property. Found a former sump that has been filled with concrete. No vapors were detected in building or around former sump. Discuss with Joe Sun. This spill is closed due to tanks have been removed in 1994, with no VOC impacts in endpoint samples, and no more vapor issues, and due to historic nature of spill.

Map Identification Number 108 **MANHOLE 24630** **Spill Number: 1214402** **Close Date: 04/16/2013**
LASALLE ST AND AMSTERDAM AVE MANHATTAN, NY TT−Id: 520A−0284−710

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1192 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: LA SALLE ST / AMSTERDAM AVE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	ERT − CONEDISON	Spiller Phone:	
Notifier Type:	Responsible Party	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	RWAUSTIN	Contact for more spill info:	ERT	Contact Person Phone:	(212) 580−8383

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/09/2013		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0.63	GALLONS	0.00	GALLONS	

Caller Remarks:

1 pint of unknown oil leaked into the manhole from a duct and spilled to the walls and the floor. Clean up is pending test results

DEC Investigator Remarks:

4/16/13 − Austin − 1 pint unk. oil (lube oil?) on walls and floor of vault − Con Ed contained and cleaned up the spill, no source found − See eDocs files for further information − Spill closed − end

Map Identification Number 109 **MANHOLE 57843** **Spill Number: 9901071** **Close Date: 07/19/1999**
125TH ST & BROADWAY MANHATTAN, NY TT−Id: 520A−0093−015

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1208 feet to the W

ADDRESS CHANGE INFORMATION
Revised street: W 125TH ST / BROADWAY
Revised zip code: 10027

Source of Spill:	UNKNOWN	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Affected Persons	Notifier Name:		Notifier Phone:	
Caller Name:	STEVE ROMERO	Caller Agency:	CON EDISON	Caller Phone:	(212) 580−6763
DEC Investigator:	JHOCONNE	Contact for more spill info:	CALLER	Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/28/1999		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SEWER

Caller Remarks:

1 oz on 150 gallons water. cleanup pending.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
Con ed e2mis notes:

Discovered one gallon of unknown oil and 150 gallons of water at 11:00 hrs in manhole. Cleanup pending chem lab results. CIG Steve Romero was notified at 12:21 hrs prior to completion of this report.

pcb<1ppmm AROCLOR 1254

Incident Status: Cleanup complete.

Unknown oil: 1 gal

AROCLOR 1254: 1 gal

pcb 0ppm

Aroclor 1242: 1ppm

Aroclor 1254: 1ppm

Aroclor 1260: 1ppm

Map Identification Number 110 **IN DITCH** **Spill Number: 1010739** **Close Date: 04/19/2011**
NE CORNER WEST 125TH ST/ BROADWAY MANHATTAN, NY TT−Id: 520A−0258−202

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1208 feet to the W

ADDRESS CHANGE INFORMATION
Revised street: W 125TH ST / BROADWAY
Revised zip code: NO CHANGE

Source of Spill:	UNKNOWN	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Other	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	RWAUSTIN	Contact for more spill info:	ERT	Contact Person Phone:	(212) 580−8383

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/19/2011		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	0	UNKNOWN	0	UNKNOWN	SOIL

Caller Remarks:

while excavating approx 6oz of gas was discovered in soil form unk source.

DEC Investigator Remarks:

4/19/11 − Austin − Con Ed found 5 oz. of alleged (not proven by analysis) gasoline while excavating at this location − Location too vague and info on analysis inconclusive to use to find a source − Con Ed containned and cleaned up contamination in

excavation only − see eDocs files for more details − spill closed − end

Map Identification Number 111 **212761; W 125 ST AND BROADWAY** **Spill Number: 0814325** **Close Date: 08/27/2008**
W 125 ST AND BROADWAY NEW YORK, NY TT−Id: 520A−0248−628

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1208 feet to the W

ADDRESS CHANGE INFORMATION
Revised street: W 125TH ST / BROADWAY
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Responsible Party
Caller Name:
DEC Investigator: DMPOKRZY
Spiller: ERT DESK − CON EDISON
Notifier Name:
Caller Agency:
Contact for more spill info: ERT DESK
Spiller Phone:
Notifier Phone:
Caller Phone:
Contact Person Phone: (212) 580−8383

Category: Possible petroleum release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters, known releases with no potential for damage, or non−petroleum/non−hazardous spills.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/25/2008		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	UTILITY

Caller Remarks: NO REMARKS GIVEN FOR THIS SPILL

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 112 **3233− 3235 BROADWAY** **Spill Number: 0903767** **Close Date: 10/29/2009**
3233− 3235 BROADWAY MANHATTAN, NY TT−Id: 520A−0229−436

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1279 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	UNKNOWN	Spiller:	FIREFIGHTER CHAMBERS − UNKNOWN	Spiller Phone:	
Notifier Type:	Fire Department	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	RMPIPER	Contact for more spill info:	FIREFIGHTER CHAMBERS	Contact Person Phone:	(347) 203−6886

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/30/2009		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN HAZARDOUS MATERIAL	HAZARDOUS MATERIAL	0	UNKNOWN	0	UNKNOWN	SEWER

Caller Remarks:

Fire dept. is on scene of some unknown fluid coming up from the street and flowing into the street. Fluid is not contained.

DEC Investigator Remarks:

06/30/09−Zhune spoke to Fire fighter Chamber (347)203−6886. He said there is a hole in the ground in a empty lot a product that appears to be gasoline is coming up . The heavy rain is pushing it to the side walk and to the street and is coming on a quickly speed but now that the rain stopped is coming in a very slow rate. There is not much that the Fire Department can do. The rain washed it out. NYCDEP Industrial Waste control is on the way.

07/01/09− Zhune. Ryan Responded

DECPiper − I reposnded to site. FDNY, DEP, OEM were onsite along with RP. Brookside Environmental arrived at the site with a pump truck at about 9:45pm. They pumped the contents of the tank and cleaned the asphalt and concrete surfaces all the way to the sewer location on Broadway. A total of 637 gallons of water were removed from tank for offsite disposal. Four 55−gallon drums were also generated from the sand and spill cleanup debris. The abandoned tank (a UST) in question appears to be about 550 gallons in capacity. There was no product identified in the tank.

Brookside and Langan also inspected the groundwater at the existing monitoring well in the NE corner of the site. Groundwater encountered at approximately 28.5 ft below the surface did not have visible signs of a sheen nor were there odors detected. The team also removed the grate in the SW corner of the site and found it to be a drywell. There didn’t appear to be any sign of a sheen, odors nor impacts at this location as well. It appears that due to heavy rain, water had overflowed from the abandoned UST onto the asphalt and traveled onto the concrete sidewalk and into the sewer system.

Moving forward, Columbia is planning to close, per applicable NYFD and NYSDEC regulations, the tank in question and other tanks

that may be found at the site. The soil at the site will also be excavated to about 65 feet below ground surface as part of the ManhattanVille development project to allow for the construction of the new campus. As such, the source (tanks) would be removed and any potential subsurface contamination would also be remediated during the proposed construction.

10/29/09− DEC Piper− I reviewed report. 8 tanks were removed along with associated piping and grosly cont soils. Residual will be dugout later in larger project ot dig 45−60 ft bgs. There is already an open spill. see 0713473 that the remainder of the work will fall under. This spill is closed .see e−docs if warranted.

Map Identification Number 113 **MANHOLE #61734S** **Spill Number: 0512334** **Close Date: 03/31/2006**
BROADWAY & TIEMAN PLACE MANHATTAN, NY TT−Id: 520A−0096−450

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1301 feet to the W

ADDRESS CHANGE INFORMATION
Revised street: BROADWAY / TIEMANN PL
Revised zip code: 10027

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	ERT DESK − CON EDISON	Spiller Phone:	(212) 580−8383
Notifier Type:	Responsible Party	Notifier Name:	TOM MARCINEK	Notifier Phone:	(212) 580−6763
Caller Name:	TOM MARCINEK	Caller Agency:	CON EDISON	Caller Phone:	(212) 580−6763
DEC Investigator:	GDBREEN	Contact for more spill info:	ERT DESK‘	Contact Person Phone:	(212) 580−8383

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/24/2006		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIELECTRIC FLUID	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

POSSIBLE FEEDER LEAK. UNKNOWN AMOUNT OF FLUID MIXED WITH WATER − APPRX 2000 GAL TOGETHER

162703.000

DEC Investigator Remarks:

162703. Also see 0512307.

Jan 24, 2006. @ 20:15 L. Crilley #15214, from Transmission Operations, discovered 2000 gallons of oil mixed with 1000 gallons of water in MH−61734S. As he was doing an inspection. The oil came from an adjacent stucture. All State was on location cleaning the adjacent structure, at the time the oil was discovered. All State
will be cleaning MH−61734S also. Feeder M52. 345KV. No smoke/fire involved. No sewer/waterways affected. No injuries related to the spill. Weather conditions did not contribute to the spill. Substance; dielectric fluid. Cause; unknown. Source; adjacent structure. No private property affected. No environmental tag will be hung, as per Crilley.
No standing water. No sewer connection. No visual water movement. The oil/water has already been removed by All State. Clean−up is in progress. Logger: T. Haynes 82326

3/31/06
This spill is closed based on report in eDocs. (SKA)

Map Identification Number 114 **FEEDER M52** **Spill Number: 0512307** **Close Date: 03/27/2008**
TIEMAN PL & BROADWAY MANHATTAN, NY TT−Id: 520A−0090−546

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1301 feet to the W

ADDRESS CHANGE INFORMATION
Revised street: TIEMANN PL / BROADWAY
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	CON EDISON	Spiller Phone:	
Notifier Type:	Responsible Party	Notifier Name:	TOM ENRIGHT	Notifier Phone:	(212) 580−6763
Caller Name:	TOM ENRIGHT	Caller Agency:	CONED	Caller Phone:	(212) 580−6763
DEC Investigator:	JMOCONNE	Contact for more spill info:	ERT DESK‘	Contact Person Phone:	(212) 580−8383

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/24/2006		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIELECTRIC FLUID	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

345,000 VAULT IN TH CITY. ONE OF THE TANKS IS SHWING A DISCREPANCY OF 5,100 GALLONS. BRING I VESTIGATED. NON PCB. ONE VENDER IS CHECKING THE WATERWAYS BUT THEY DO NOT THINK THAT THEY ARE AFFECTED. NRC # 786142. CON ED # 162699.

DEC Investigator Remarks:

3/8/06: Met at site with Mike Pillig, Con Ed S&TO. There are 3 separate excavations surrounding 2 manholes. Excavations 1 and 2 (two northern−most holes) are down to weathered bedrock, and down to cobbles in excavation 3. All samples in exc. 3 are below 10,000 ppm TPH except for 2 sample locations (11,000 ppm and 10,600 ppm). No additional soil can be removed due to the presence of rock and proximity to overhead support columns. Excavations 1 and 2 both have several very high TPH results (up to 30,700 ppm), but also can't excavate any further.

Contacted Matt Madsen of COn Ed's Remediation group − this spill location is part of Appendix B site 69 − to be investigated by Langan Engineering under approved work plan. They have already started the utility clearance . We agreed to have Pillig leave 2 x 8" PVC sleeves (one each in exc. 1 and 2) to allow Langan to install monitoring wells at a later date. Told Pillig to backfill excavations. (JHO)

3/9/06: e−maill from Mike Pillig:
"As we discussed, we are going to backfill all of the excavations leaving PVC pipe in the middle and north excavation to mark monitoring well locations. The site will be restored and turned over to EHS Remediation to install the monitoring wells and track the spill though to eventual closure." (JHO)

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e2mis no. 162699:

24−Jan−2006 − Leak declared on Feeder M52 at 13:30 hours due to tank level discrepancy of 1500 gallons at West 49th St S/S pumphouse #2. Leak rate is approximately 8 gallons per hour. Feeder M52 runs between the West 49th St S/S (637 West 49Th St,N.Y.,N.Y. 10036 and the Sprainbrook S/S. The feeder crosses the Harlem River betwwen the 155Th Street and 225Th STreet Bridges. ERT notified at 13:35 hours and Ken Marines Boat was requested to patrol river crossing. Chem Lab to dispatch PFT vans to patrol run of feeder. Gas Corrossion and Transmission Ops to inspect underground structures and feeder run. Substation Ops to inspect all associated equipment.

At 15:30 PFT found in air at Broadway and 125th St. Investigation of manholes in area found fresh dielectric fluid in manhole 61734 @ Tiemann Pl and Broadway. [NOTE − see spill # 0512334, JHO] At 16:40 Allstate tanker on site and beginning to pump out manhole.

At 17:25 1/24/06 a temporary clamp was installed and holding. Allstate continues to pump out and clean manhole. Manhole wall to be broken out to make permanent repairs.

4/17/09 Con Ed conducted Appendix B Site 69 investigation activities between between March and June 2006. Letter from DEC Moses Ajoku to Con Edison dated 3/27/08 advised that this spill was closed based on review of January 2008 SIR. I closed the spill in the database today using the letter date as the closure date. JOC
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Map Identification Number 115 **MANHOLE#47018** **Spill Number: 0409472** **Close Date: 05/18/2005**
TIEMANA PLACE/BROADWAY MANHATTAN, NY TT−Id: 520A−0094−489

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1301 feet to the W

ADDRESS CHANGE INFORMATION
Revised street: TIEMANN PL / BROADWAY
Revised zip code: NO CHANGE

Source of Spill:	UNKNOWN	Spiller:	ERT DESK − MANHOLE#47018	Spiller Phone:	(212) 580−8383
Notifier Type:	Other	Notifier Name:	LARRY COSTA	Notifier Phone:	(212) 580−8383
Caller Name:	LARRY COSTA	Caller Agency:	CON ED	Caller Phone:	(212) 580−8383
DEC Investigator:	GDBREEN	Contact for more spill info:	ERT DESK	Contact Person Phone:	(212) 580−8383

Category: Possible petroleum release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters, known releases with no potential for damage, or non−petroleum/non−hazardous spills.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/22/2004		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

i gallon of unknown oil spilled onto 75 gallons of water in a manhole. Unable to be cleaned up because of parking restrictions.
e2MIS # 156332.

DEC Investigator Remarks:

Richard Hudak 42514 found approx. one gallon unknown oil on top of approx. 75 gallons of water. There is no oil filled equipment in the structure. There is standing water but no visual movement. Unable to see sump, there is no sewer connection and no substantial cracks. Spill tag #41934 installed. There is no evidence of release to sewer or waterway. Two liquid samples taken for PCB and Oil Id.

Lab Sequence Number: 04−09682−001 @ 17:13 Date Approved: 11/22/2004 PCBs < 1 ppm

12/19 @ 15:05
The Final cleanup has been completed taoday at 14:30 hours. No solid waste was removed.
All liquids were removed by the Vactor truck. The structure was double−washed with "SLIX". The Environmental tag # 41934 was removed. There was no visible sign of the source of the spill.

Map Identification Number 116 **FEEDER M52** **Spill Number: 0403102** **Close Date: 08/26/2004**
W.132ND ST/BROADWAY MANHATTAN, NY TT−Id: 520A−0089−803

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1320 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	UNKNOWN	Spiller:	ERT DESK − CON ED	Spiller Phone:	(212) 580−8383
Notifier Type:	Other	Notifier Name:	TOM MARCINEK	Notifier Phone:	(212) 580−6763
Caller Name:	TOM MARCINEK	Caller Agency:	CON ED	Caller Phone:	(212) 580−6763
DEC Investigator:	JHOCONNE	Contact for more spill info:	ERT DESK	Contact Person Phone:	(212) 580−8383

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/21/2004		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIELECTRIC FLUID	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

FEEDER IS LEAKING: NOT SURE WHERE THE LEAK IS: CREW IS SEARCHING FOR IT: HASNT BEEN CLEANED UP YET:

** SPILL WAS LOCATED ON BROADEAY & WEST 132ND STREET CONTAINED TO MANHOLE APX. 1100 GALLONS OF FEEDER OIL: CALLED BACK AGAIN AND IT IS CONTAINED TO A DIRT EXCAVATION:

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
6/22/04: met on site with Frank Nickolauk (S&TO). Leak was located outside W. 132nd St. PURS on 5" recirculating line. Clamp installed. Crew is removing coating to measure for permanent barrel. Once welding is complete, soil remediation will begin. (JHO)

6/24/04: Spoke with Frank Nickolauk − excavation is approx. 24' long by 9' wide. Sampling scheme set up as follows:

4 samples from floor equally spaced

4 samples from sidewalls approx. 1' off floor

1 sample from each end wall approx. 1’ off floor

All will be analyzed for TPH via EPA modified 8100, and for total benzene. (JHO)

7/8/04: initial sample results received. TPH values high (16,000 to 40,000 ppm) on floor, northw all and east wall. Requested additional excavation and sampling. (JHO)

7/23/04: excavation extended north and east (new dimensions 36’ long x 10’ wide x 8’ deep). Sample results indicate continued elevated TPH (11,000 to 17,000 ppm) on floor of excavation only. Requested additional 1 foot depth be removed, resampled. (JHO)

8/2/04: Additional soil removed, sample results indicate still have some limited areas of elevated TPH immediately below leak location. Met on−site with Leon Paretsky and Larry Crilley (S&TO). Excavation below barrel is down to 9’ 6". Floor is boulders/bedrock (no more soil to be removed). According to Crilley, rainwater over last weekend accumulated in trench and no sheen was observed. Cannot excavate any deeper. OK to backfill. Close out. (JHO)

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e2mis no. 153976:

P Abel #10966 reports that the leak detection alarm on feeder m52 in w 49 st sub station detected a leak on the feeder. Abel stated that the differanc in oil from the sister feeder was 109 gallons and leaking at a rate of 63 gallons per hour.

e2mis no. 153980:

THIS IS A CONTINUATION OF INCIDENT E2MIS 153976 (LEAK DETECTION ALARM ON FDR 52 WEST 49TH ST SUBSTATION.

5 crews from TO and CGO checking manholes. At 23:28 PFT was picked up in air by 132nd St Cooling Plant. CP was inspected again and no leak was found. Barholes were placed along 132nd St between CP and Broadway. At 03:00 6/22/04 feeder was placed on reduced pressure. At 05:00 signal was pinpointed to between 2 barholes and excavation was started approx 300’ w/o Broadway on 132nd St. At approx 06:45 dielectric fluid was found in excavation. Excavation continues to uncover leak. At 07:00 CSD reports that leak rate was greatly reduced when 132nd St CP was shut down. Excavation continues and temp clamp installed at 08:00 but not holding 100%. CTW removal continues to find good pipe for welding.

Additional dielectric fluid is being removed from excavation; bucket is under clamp to collect dielectric fluid seeping from temporary clamp. Per conversation with John Hegarty, Manager, Manhatten Substation, preliminary estimate of amount of dielectric fluid released is about 1100 gals.

Clean Ventures removed 25 yd of material under CVCC052043 on 6/23/04 and 206.5 gallons of liquid under CVCC052042 on 6/22/04.

On 6/22/04 Clean Ventures removed 25 yards of material under CVCC052041. On 6/24/04 Clean Ventures removed an additional 25

cubic yards of material under CVCC 052045.

On June 25 soil samples were taken by Jacques Whitford and analyzed for dielectric fluid via method 8100 and benzene (total and
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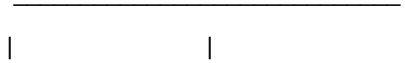
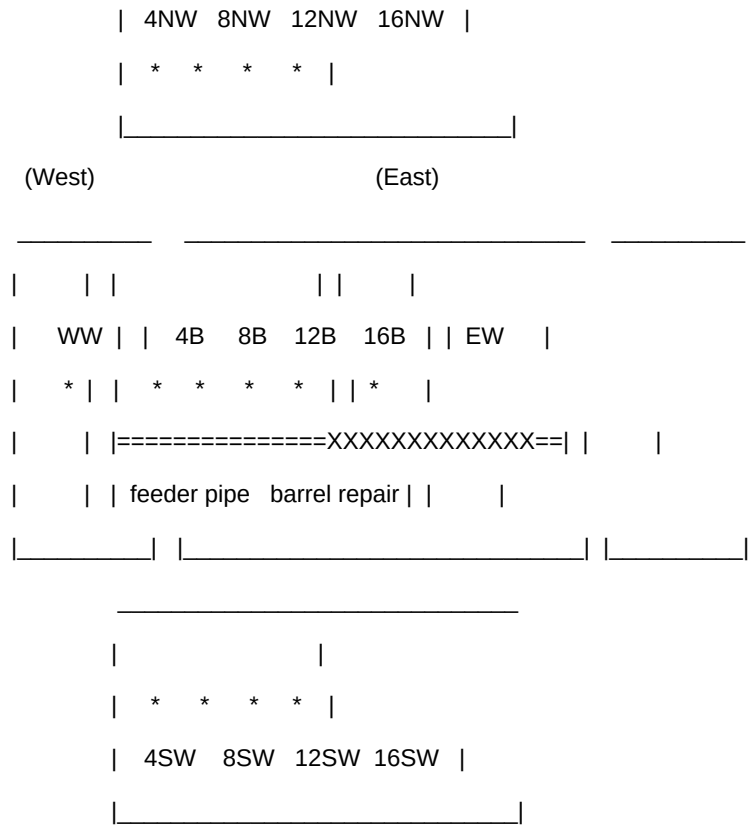
TCLP) to determine the extent of any residual contamination in the soil. The excavation was about 16 feet long, 10 feet wide and about 6 feet deep. The sample results are summarized below (Chain of Custody no DD18036, LSN No 04−0989). The samples were analyzed by ETL. In addition, Jacques Whitford performed a jar

screen test at the sampling locations to provide some qualitative sampling analyses. The results are presented in the last column of the table below.

Sample Location (depth)	TPH Conc. (ppm)	Benzene conc. (ppb)
WW (5’)	4090	<0.24
4SW (5’ 9")	1080	<0.24
4B (7’ 4")	281	<0.25
4NW (4’ 5")	77	<0.23
8SW (5’ 11")	1060	<0.26
8B (7’ 2")	21600	<0.23
8NW (6’ 3")	593	<0.23
12SW (5’ 3")	2670	4.76
12B (6’ 11")	7460	<0.24
12NW (5’ 6")	49.4	<0.24
16SW (5’ 6")	28.8	<0.59
16B (6’ 8")	16000	142
16NW (6’)	39900	826
EW (5’ 6")	21700	3.05

North side





On July 7 the excavation was reinspected. The excavation had been extended widthwise to about 24 feet; the plans are to remove additional soil from the bottom and extend the excavation. Resampling of the excavation will then be conducted.

Map Identification Number 117 **MANHOLE #61799** **Spill Number: 0105570** **Close Date: 10/15/2001**
BROADWAY & 132ND ST MANHATTAN, NY TT−Id: 520A−0089−890

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1320 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: BROADWAY / W 132ND ST
Revised zip code: NO CHANGE

Source of Spill:	UNKNOWN	Spiller:	UNKNOWN − UNKNOWN	Spiller Phone:	
Notifier Type:	Local Agency	Notifier Name:	MR PELLOGRINO	Notifier Phone:	
Caller Name:	RICHARD ROACH	Caller Agency:	CON EDISON	Caller Phone:	(212) 580−6763
DEC Investigator:	KMFOLEY	Contact for more spill info:	RICHARD ROACH	Contact Person Phone:	(212) 580−6764

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/23/2001		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	3.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

3 gal unk oil on 1000 gals of water − sample taken − clean up pending lab results

con ed #139086

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "FOLEY"
Con Ed e2mis Notes:

8/23/01 While working in manhole, Transmission Operations discovered 3gal unknown oil on 1000gal water. Source of the spill and cause of the spill are unknown. It spilled onto concrete manhole floor.

Spill was reclassified from a 24hr spill to a "Spill−Oil(unknown type)" due to lack of manpower.

Sample returned <1ppm PCB. S&D Environmental removed all visible traces of oil and washed stained areas. Cleanup was completed on 8/27/01.

Map Identification Number 118 **MERCURY SPILL CITY OWNED SITE** **Spill Number: 0408101** **Close Date: 11/05/2004**
150 CONVENT AVE NEW YORK, NY TT−Id: 520A−0097−167

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1331 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	UNKNOWN	Spiller:	JAMES SCULLIN − CITY OWNED SITE	Spiller Phone:	(212) 922−0077
Notifier Type:	Responsible Party	Notifier Name:	JAMES SCULLIN	Notifier Phone:	(212) 922−0077
Caller Name:	JAMES SCULLIN	Caller Agency:	WARREN AND TANZER	Caller Phone:	(212) 922−0077
DEC Investigator:	CESAWYER	Contact for more spill info:	JAMES SCULLIN	Contact Person Phone:	(212) 922−0077

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/21/2004		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
MERCURY	HAZARDOUS MATERIAL	5.00	POUNDS	0.00	POUNDS	SOIL

Caller Remarks:

LEAK IS ON SOIL. HASNT BEEN CLEANED UP.

DEC Investigator Remarks:

Sangesland spoke with James Scullin of Warren & Panzer 917−807−6343

NYCDEP Water Pipeline facility "GateHouse" has been out of service for 30 years.
135th St Gate House.

Soil Excavation being done at the site. Bottom of the pit is a cement slab. During excavation a "Puddle" of mercury formed on this cement slab.
No idea what the source was. Construction site has been closed down, Air sampling is being done, a "Proper Cleanup" will be started on 11/22

11/5/04 − Sawyer − Will be referred to DOH or Hazrdous Waste. No further NYSDEC spills involvement required. Closed.

Map Identification Number 119 **VERIZON** **Spill Number: 0330031** **Close Date: 11/06/2003**
603 WEST 130TH STREET MANHATTAN, NY TT−Id: 520A−0094−494

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1380 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	JEROME KUNG − VERIZON	Spiller Phone:	(212) 338−6754
Notifier Type:	Responsible Party	Notifier Name:	JOHN QUATRALE	Notifier Phone:	(212) 338−7141
Caller Name:	MARK TIBBE	Caller Agency:	NYSDEC	Caller Phone:	(718) 482−4097
DEC Investigator:	JBVOUGHT	Contact for more spill info:	JEROME KUNG	Contact Person Phone:	(212) 338−6754

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
05/17/1999		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	0	GALLONS	0	GALLONS	GROUNDWATER

Caller Remarks:

Contaminated soil discovered during site assessment for tank closure.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "VOUGHT"
Transfered from Tibbe to Vought on 9/3/03.

9/17/2003−Vought−File review by Vought:

UST Closure Report−Dec 1992−Rose, Beaton and Rose−Scott Carter−Abandonment in place of two (2000−gallon) gasoline USTs. Inspection of excavation "revealed no evidence of loss of product". Site occupied by New York Telephone. Two soil borings were performed for the purpose of "site assessment", one north of UST and one south of UST. Soil samples analyzed for BTEX showed no TAGM exceedances. Soil samples obtained from depth of 10’.

Tank Closure Report−Nov 1994−Stearns and Wheler−Summary of Dec 1992 report by Rose (see above). Groundwater present at 12’ during installation of two new (2000−gallon) gasoline USTs to replace those previously abandoned.

Meeting of DEC(Tibbe) with Lexcion and Bell Atlantic results in DEC requring additional soil borings.

Limited Subsurface Investigation Report−May 1999−Site occupied by Bell Atlantic−Report by Lexicon−Five soil borings performed in Oct 1998. Groundwater estimated to flow to the southwest. Boring depths were up to 13'. Sample analyticals from SB−3 showed up to 2480000ppb total VOCs. SB3 is downgradient from abandoned USTs. Report recommends installation of monitoring wells.

May 1999−Meeting of DEC(Tibbe) with Lexicon and Bell Atlantic results in DEC requring four monitoring wells.

Limited Subusurface Investigation Report−May 2000−Lexicon−Installation of four monitoring wells to a depth of 17'. Groundwater flows to the east. Groundwater analyticals show up to 741ppb benzene(MW4), 3100ppb toluene(MW4), 547ppb napthalene(MW4), 896ppb MTBE(MW3) and 4.28ppb benzene(MW1). MW3 located adjacent to fomer piping run. Report recommends three quarterly sampling events.

June 2000−Meeting of Verizon, DEC and Lexicon resulted in DEC requiring delineation downgradient of MW4. Monitoring well (MW5) was installed to a depth of 17'in Nov 2000 due to basement renovation. Lexicon requests no further action due to "decrease in VOC concentrations by two orders of magnitude". Groundwater flow to the east. Groundwater analyticals of MW5 showed non−detect. Groundwater samples from other wells showed up to 93ppb benzene(MW4), 19.1ppb benzene(MW1), 136ppb MTBE(MW5) and 22.3ppb MTBE(MW3).

Groundwater Monitoring Reports−Nov 2000 thru Nov 2001−Lexicon−Reports sent on behalf of Verizon. OPR injection plan implemented in April 2001 injecting 270lbs of ORC at 16 locations. Post ORC injection groundwater samples showed up to 136ppb benzene(MW4), 31.2ppb MTBE(Mw3), 134ppb MTBE(MW2), and 13.87ppb benzene(MW1). Aug 2001 samples show up to 124ppb benzene(MW4), 26.2ppb MTBE(MW3), 298ppb MTBE(MW2) and 10.9J(MW1).

Update Reports−Envirotrac−Jeff Bohlen (631−471−1500)−Sept 2001 thru March 2003−March 2002 report shows groundwater flow direction is to the northwest is is sampled on a quarterly basis. Five monitoring wells on−site. A second ORC application took place on 5/16/02 of 300lb at ten locations. June 2002 report shows groundwater flow to the northeast. September 2002 report shows groundwater flow to the east−southeast. Dec 2002 report shows groundwater flow to the east−southeast. March 2003 report shows groundwater flow to the north−northeast. Groundwater analyticals from March 2003 show 21ppb benzene(MW4), 670ppb toluene(MW4), 2260ppb xylene(MW4), 71ppb MTBE(MW4), 14ppb MTBE(MW2).

9/17/2003−Vought spoke with DEC Rommel and DEC requires delineation up and downgradient of most contaminated well (MW4). If analyticals from borings pass TAGM then closure will be granted upon sensitive receptor survey. If analyticals indicate contamination a more aggressive remediation technique will be required. Vought sent letter with above requirements to Envirotrac (Jeff Bolan−516−807−8983) and Verizon. Vought called Bohlen to explain requirements. Vought called Kung to explain requirements and for fax #.

9/18/2003−Vought−received call from Jerome Kung (F)212−687−3457 cell−646−483−6554. Vought called Kung to explain requirements.

9/26/2003−Vought−Received call from Jerome Kung−Borings will be peformed on 10/1/03.

10/1/03−Vought−performed site visit. Borings unable to be performed due to contractors blocking access driveway.

11/6/2003−Sun−File Review by Joe Sun−

Update Reports−Envirotrac−Jeff Bohlen (631−471−1500)−April 2003

thru October 2003−June 2003 report shows groundwater flow

direction is to the northwest and was sampled on a quarterly basis. Seven (7) monitoring wells on−site.Ground water samples were collected from existing on−site monitoring wells MW−1 thru MW−5 on 9/17/2003. In response to a letter from the NYSDEC dated 9/18/2003, two (2) additional monitoring wells MW−6 and MW−7 were installed at the site to a depth of 16'on 10/7/2003. October 2003 report shows groundwater flow to the northeast. Ground water samples were collected from MW−6 and MW−7 on 10/7/2003. The results of the third quarter ground water monitoring event indicated a decrease in dissolved VOC concentrations in existing monitoring wells MW−1, MW−2, MW−3, MW−4 and MW−5. MTBE was detected in MW−6 and MW−7.The soil samples from immediately above the groundwater interface from both borings for MW−6 and MW−7 indicated that VOCs were not detected in either of the soil samples collected. Groundwater analyticals from October 2003 show 740ppb toluene(MW4), 120ppb Ethylbenze(MW−4), 2200ppb xylene(MW4), 110ppb MTBE(MW6), 37ppb MTBE(MW7).

11/6/2003−Sun−Based on soil and ground water sampling data of October 2003 Report, and no sensitive receptor up and downgradient of most contaminated well (MW−4), and also based on overall downward trend of chemical concentrations of compounds, and direction of DEC Remediation Supervisor (Jennifer Rommel), this Spill # 03−30031 is closed today by Joe Sun..

Map Identification Number 120 **VAULT 3098** **Spill Number: 0211558** **Close Date: 09/26/2003**
603−11 W 129TH ST MANHATTAN, NY TT−Id: 520A−0094−498

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1399 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	UNKNOWN	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Affected Persons	Notifier Name:	MR PURCHASE	Notifier Phone:	
Caller Name:	ANDREW MORRIS	Caller Agency:	CON EDISON	Caller Phone:	(212) 580−6763
DEC Investigator:	JHOCONNE	Contact for more spill info:		Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/21/2003		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	300.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

300 gal oil/water mixture contained in vault − clean up pending tanker & crew − samples taken − weather contributed to spill due to melting snow − ref #147247

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
e2mis no. 147−247:

21−FEB−2003 @ 12:15

At the location of 603−11 W 129 St in V−3098 found approx. 300 gallons of oil and water mixed. Samples taken PCB & ID. Sewer connection not verified. No sump pump. Clean up pending tanker and crew.

Aroclor 1242 < 1.0 ppm EPA 608/8082

Aroclor 1254 < 1.0 ppm EPA 608/8082

Aroclor 1248 < 1.0 ppm EPA 608/8082

Aroclor 1260 < 1.0 ppm EPA 608/8082.....J Moran #01182

Due to system being down input was delayed

UPDATE 02/22/03 05:55 hrs.

V Mannino # 56899 operating supervisor reported to N.Muldoon # 18723 that the partial cleanup was complete. 2000 gallons of oil and water mix was removed from the vault and 210 gallons of oil was removed from the transformer. The vault was double washed with slix. Spill tag # 36385 was left in place. Final cleanup will be completed when the unit is removed. Cleanup persons can be found in the Event Involved Persons Screen.

2/23 @ 19:25

LSN # 03−01479−001 @ 18:26

Date Approved − 2/23/2003.....Date Received and sampled − 2/21/2003

Oil Identification Analysis by NYSDOH 310−13 (Hydrocarbon Scan)

MATRIX: LIQUID GRAB

LOCATION: F/O 603−11 W.129 ST

STRUCTURE: VAULT 3098 FEEDER ID: 2M29

Analysis indicates the presence of a substance similar to a dielectric fluid.

Update 4−11−03

J Liguori #14084 reports that the cleanup is complete as of 05:30. Double washed with slix and flushed. Transformer removed. Tag # 36385 removed.

Map Identification Number 121 **COMMERCIAL ADDRESS** **Spill Number: 1009303** **Close Date: 11/30/2010**
357 WEST 125TH STREET MANHATTAN, NY TT−Id: 520A−0258−159

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1463 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL VEHICLE	Spiller:	unk.	Spiller Phone:	
Notifier Type:	Other	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	RMPIPER	Contact for more spill info:	DEP HAZMAT	Contact Person Phone:	

Category: Possible petroleum release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters, known releases with no potential for damage, or non−petroleum/non−hazardous spills.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/29/2010		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	20.00	GALLONS	0.00	GALLONS	

Caller Remarks:

APPROX 20 GALLONS TO SIDEWALK FROM A COMMERCIAL VEHICLE, FDNY HAZMAT PERFORMED INITIAL CLEANUP, REST PENDING.

DEC Investigator Remarks:

duplicate of 1009301. Building main address is on St. Nicholas Ave. Spill closed.

Map Identification Number 122 **CONED MANHOLE#27844** **Spill Number: 0405111** **Close Date: 10/27/2004**
WEST 133RD/BROADWAY MANHATTAN, NY TT−Id: 520A−0099−519

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1466 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: W 133RD ST / BROADWAY
Revised zip code: NO CHANGE

Source of Spill:	UNKNOWN	Spiller:	ERT DESK − CONED MANHOLE #27844	Spiller Phone:	(212) 580−8383
Notifier Type:	Responsible Party	Notifier Name:	LARRY COSTA	Notifier Phone:	(212) 580−6763
Caller Name:	LARRY COSTA	Caller Agency:	CON ED	Caller Phone:	(212) 580−6763
DEC Investigator:	JHOCONNE	Contact for more spill info:	ERT DESK	Contact Person Phone:	(212) 580−8383

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/10/2004		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	UNKNOWN	0	UNKNOWN	SOIL
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

UNKNOWN RED SUBSTANCE ON 300 GALLONS OF WATER TOOK SAMPLES AND RESULTS WILL DETERMINE CLEAN UP: NO TO 5 QUESTIONS & CONED # 154815:

DEC Investigator Remarks:

e2mis no. 154815:

1 gal of unknown substance on top of 300 gal of water. He stated substance is bright red. Clean up pending results.

Lab Seq. Number: 04−06338−001: Insufficient amount of sample extracted to perform oil identification.

Lab Sequence Number: 04−06337−001: PCBs < 1 ppm

Lab Sequence Number: 04−06337−002: Flash Point, PMCC > 140 deg F

08/16/04 15:20
G.Sullivan#82558 notified the control center on 08/16/04 at 15:07hrs. that the cleanup in M27844 was completed. This was a final cleanup. The were no solids removed and no drums or barrels used in the cleanup of M27844. There was 2100 gallons of liguids removed via tanker from M82558. The method of wash was double washed with slix. The environmental tag #18715 was removed from M27844. The source and cause of the spill is still unknown at this time. The cleanup was completed on 08/16/04 at 13:00hrs. G.Sullivan#82558 notified the control center that after the cleanup was completed, the reddish water started to enter M27844 again. S.Martis#86576 of ERT was notified and said he was going to investigate. S.Martis#86576 notified the control center 14:50hrs. to say that it was O.K. to close out the E2MIS report. S.Martis#86576 also notified the control center that there is a sink hole next to M27844 and in the sink hole there are some purplish or hot pink rocks that when water passes by them could be the cause of the reddish fluid in M27844.

Map Identification Number 123 **COMMERCIAL/APARTMENT** **Spill Number: 1310298** **Close Date: 01/30/2014**
3155 BROADWAY MANHATTAN, NY TT−Id: 520A−0293−400

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (3)
Approximate distance from property: 1534 feet to the W

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	NAHIEM SHALAH − UNKNOWN	Spiller Phone:	
Notifier Type:	Other	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	SXMAHAT	Contact for more spill info:	NAHIEM SHALAH	Contact Person Phone:	(917) 916−5416

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/26/2014		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	5.00	GALLONS	0.00	GALLONS	

Caller Remarks:

DEP has not accessed the apartment yet to give us further detail.

DEC Investigator Remarks:

1/26/14: Mahat

DEC was informed by DEP that the site has been cleaned by Hazmat Team. No investigation is required by DEC for cleanup. Case is closed as per Mr. Suvan Anthony (DEP HAZMAT) mentioned that he site is cleaned.

Map Identification Number 124 **VACANT LOT** **Spill Number: 1102949** **Close Date: 06/14/2011**
BLOCK 1996 LOT 18 NEAR BROADWAY AND WEST 129TH STREET MANHATTAN, NY TT−Id: 520A−0263−398

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1552 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: BLOCK 1996 LOT 18
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	RYAN MANDERBACH − UNKNOWN	Spiller Phone:	
Notifier Type:	Other	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	RVKETANI	Contact for more spill info:	RYAN MANDERBACH	Contact Person Phone:	(212) 479−5582

Category: Possible petroleum release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters, known releases with no potential for damage, or non−petroleum/non−hazardous spills.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/14/2011		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	200.00	GALLONS	200.00	GALLONS	

Caller Remarks:

Deep Excavation Project Hit Underground Storage Tank

DEC Investigator Remarks:

6/14/11 − Raphael Ketani. Mr. Manderbach called me. He said that they were digging and hit a vault. The location is southwest of another vault on block 1996 and lot 3, spill case #1101589. This is the same large vacant lot as the earlier case.

The vault's presence was unknown before hand as the radar survey could not penetrate down to 15 feet below grade. They opened the vault and discovered a tank containing 200 gal. of gasoline. They had a vacuum truck nearby and sucked out the tank.

I am closing this later case and referring it to the earlier spill case #1101589 as it is the same site.

Map Identification Number 125 **217193; 8 AVE AND 130 ST** **Spill Number: 0914269** **Close Date: 06/29/2009**
8 AVE AND 130 ST NEW YORK, NY TT−Id: 520A−0249−447

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (5)
Approximate distance from property: 1560 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: 8TH AVE / W 130TH ST
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	ERT DESK − CON EDISON	Spiller Phone:	
Notifier Type:	Responsible Party	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	DMPOKRZY	Contact for more spill info:	ERT DESK	Contact Person Phone:	(212) 580−8383

Category: Possible petroleum release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters, known releases with no potential for damage, or non−petroleum/non−hazardous spills.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/17/2009		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	UTILITY

Caller Remarks: NO REMARKS GIVEN FOR THIS SPILL

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 126 **210142; 8 AV 2445 & FRED DOUGLASS B** **Spill Number: 0890377** **Close Date: 03/14/2008**
8 AV 2445 & FRED DOUGLASS B , NY TT−Id: 520A−0218−288
F/O 2445 8 AVE & W 131 ST

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1579 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: IFO 2445 8TH AVE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	ERT DESK − CON EDISON	Spiller Phone:	
Notifier Type:	Responsible Party	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	Unassigned	Contact for more spill info:	ERT DESK	Contact Person Phone:	(212) 580−8383

Category: Possible petroleum release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters, known releases with no potential for damage, or non−petroleum/non−hazardous spills.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
03/04/2008		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0.25	GALLONS	0.00	GALLONS	UTILITY

Caller Remarks:

V9032 −− F/O 2445 8 AVE & W 131 ST −− UNKNOWN OIL
Closed: Agency Approval Not Required

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 127 **NEW YORK CITY BOARD OF ED** **Spill Number: 9514262** **Close Date: 02/08/1996**
425 WEST 123RD STREET MANHATTAN, NY TT−Id: 520A−0099−454

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1607 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: TANK TRUCK | Spiller: JIM CAREY − CASTLE OIL CORPORATION | Spiller Phone: (718) 579−3414
Notifier Type: Responsible Party | Notifier Name: JAMES MOREIA | Notifier Phone: (718) 579−3414
Caller Name: JIM CAREY | Caller Agency: CASTLE OIL CORPORATION | Caller Phone: (718) 579−3414
DEC Investigator: SMMARTIN | Contact for more spill info: | Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/08/1996		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	30.00	GALLONS	30.00	GALLONS	SOIL

Caller Remarks:

SOMEONE RAN OVER FUEL LINE FROM TANK TRUCK AND IT CAME OFF THE FILL. ONTO STREET IN FRONT OF BUILDING. BEING CLEANED UP. LINE TO BE REPAIRED AS NEEDED.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MARTINKAT"
SPOKE TO 579−3413, JANET − CLEAN UP CREW DISPATCHER

Map Identification Number 128 **PS 125** **Spill Number: 0003342** **Close Date: 06/19/2000**
WEST 123RD ST MANHATTAN, NY TT−Id: 520A−0099−455

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1607 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: 425 WEST 123RD STREET
Revised zip code: 10027

Source of Spill: UNKNOWN | Spiller: UNKNOWN | Spiller Phone:
Notifier Type: Citizen | Notifier Name: SAME | Notifier Phone:
Caller Name: JOHN THOMAS | Caller Agency: CITIZEN | Caller Phone: (212) 749−5549
DEC Investigator: MCTIBBE | Contact for more spill info: JOHN THOMAS | Contact Person Phone: (212) 749−5549

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/14/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
CHOCOLATE	OTHER	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

CALLER REPORTING ABOVE MATERIAL AT ABOVE LOCATION. CALLER

HAS CONTACTED SEVERAL LOCAL AGENCIES AND NO ONE RESPONDED

FOR CLEANUP. CALLER REFERRED TO DEC HOTLINE BY UNKNOWN LOCAL

AGENCIES.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
DOES NOT SMELL LIKE OIL. TOLD CALLER TO CALL SANITATION AND/OR DEP.

Map Identification Number 129 **125ST** **Spill Number: 0209121** **Close Date: 12/05/2002**
ST NICHOLAS AVE NEW YORK, NY TT−Id: 520A−0101−990

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1621 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: W 125TH ST / ST NICHOLAS AVE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: Citizen
Caller Name: WILL CRAIG
DEC Investigator: JBVOUGHT

Spiller: UNKNOWN
Notifier Name: SAME
Caller Agency: CITIZEN
Contact for more spill info: WILL CRAIG

Spiller Phone:
Notifier Phone:
Caller Phone: (212) 749−3240
Contact Person Phone: (212) 749−3240

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Any Type of RP Including No RP − No DEC Field Response − Corrective Action by Spill Response Not Required

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/04/2002		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
RAW SEWAGE	OTHER	0	GALLONS	0	GALLONS	SEWER

Caller Remarks:

caller states this is in the subway station. caller would like

to speak to dec rep.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "VOUGHT"
12/5/2002−Vought−Spoke with Mr. Craig and referred him to 718−DEP−HELP and NYCT Spills Hotline. Non−petroleum spill. Spill closed by Vought.

Map Identification Number 130 **BROADWAY** **Spill Number: 9710119** **Close Date: 03/27/2008**
LASALLE AV MANHATTAN, NY TT−Id: 520A−0094−492

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1642 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: BROADWAY / LA SALLE ST
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Responsible Party
Caller Name: WILLIAM MURPHY
DEC Investigator: JMOCONNE
Spiller: WILLIAM MURPHY − CON EDISON
Notifier Name: MR HEGERTY
Caller Agency: CON ED
Contact for more spill info: WILLIAM MURPHY
Spiller Phone: (212) 580−6765
Notifier Phone:
Caller Phone: (212) 580−6765
Contact Person Phone: (212) 580−6765

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/02/1997		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIELECTRIC FLUID	PETROLEUM	5000	GALLONS	0	GALLONS	SOIL

Caller Remarks:

LEAK ON FEEDER M−51 − 5000 GALS SPILLED − 300 IS ON LAND − NO CLEAN UP − CREW TRYING TO CONTAIN SPILL BY FUNNELING PRODUCT INTO ANOTHER MANHOLE − PRODUCT IS NON PCB

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"

12/2/97, 18:15 hrs: Arrived on scene, met with Paul Carbone (Con Ed ERT). Also FDNY, NYCDEP on scene. Spill came out of a manhole onto street. Con Ed crews chanelling oil to downhill manholes. FDNY was first on scene and kept spilled oil near manhole using sorbents and sand. No oil to sewers. MEG scheduled to arrive 19:10 hrs.

Keith Williams (DEP) checking sewers − no impacts. NYPD Captain Murolo (26th Pct) said that DOS had sanded road up to 160th Street for cars that drove through. DEP HazMat (M. Fawzy and E. Catanzarro) took sample of oil for PCBs. USCG (P.O. Fleischer adn Sanker), NYCOEM (Mike Lee) on scene.

Originally the operating pressure on the feeder was 300 − 600 psi (500 − 1000 gph). Dropped to 260 psi, then reduced to 155 psi (250 gph). Can't go lower because must keep min pressure at Sprain Brook potheads. Total volume 600 gallons from manhole.

As of 20:44 hrs, Jerry Materazzo (Con Ed Underground Transmissions) said they were going to close stop joints to reduce flow enough to put clamp on leak.

21:39: still have not plugged line − have filled 2 vac trucks, working on the third. Two more vac trucks and a frac tank are on route. Closed one stop joint north of leak, will lower pressure south of the joint as low as possible. Still can't get clamp on, will have to lower pressure more and then bleed stop joints. (CAE)

4/15/03: APPENDIX B SITE NO. 69. TRANSFERRED FROM ENGELHARDT TO O'CONNELL.

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e2mis no. 113−403:

ON 12/02/97 AT 1830 HRS HPFF LEAK ON FDR M51 IN MANHOLE # 61734 ON WEST BROADWAY ABOUT 100FT SOUTH OF TIEMANN PLACE ALSO KNOWN AS WEST 127TH ST. APPROX 5000 GALS WAS LOST, UNDERGROUND TRANSMISSION AND GAS OPERATIONS IS ON SITE.
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FIRE DEPARTMENT NOTIFIED MAN. CONTROL CENTER AT 1635HRS ON 12/02/97, FIRST CREW RESPONDED TO MANHOLE #61734 AT 1700 HRS. APPROX 400 GALS LEAKED ONTO STREET WHEN HE ARRIVED AT SITE AND DIVERTED THE DIELECTRIC FLUID BACK INTO MANHOLE.

Intersection should be 123rd St not 127th. 16:45 TO notified of very large leak on feeder 51. Crews to check manholes PFT van to go out. 17:00 NYCFD notified Manhattan #9 of dielectric fluid on street surface on Broadway south of 125th St. Clean Harbors and MEG called for cleanup. VNR called for excavation if necessary.

NYC Dept of Sanitation spreading sand on street. Southbound Broadway closed off south of 125th Street. 17:21 feeder removed from service. Fluid being diverted into second manhole approx 50'

south of 61734. 18:30 MEG on location pumping manhole out. 19:00 MEG cannot keep up with flow of fluid. 19:15 Clean Harbors on location to assist MEG. 20:05 TO crews closed new stop joint valves in MH63639 to hold fluid back going uphill to Sprainbrook Sta. After 5 hours could not fully stop leak. Semi−stops on both sides of leak to be closed to control leak. MEG and Clean Harbors working on cleaning up street to open at least 1 lane of southbound traffic by 7AM. Pump at 49th St shutdown at 8:15 12/3/97. Leak rate slowed down − clamp to be repositioned to stop leak.

Temporary clamp installed and holding at 11:45 12/3/97. MEG to clean out manhole and custom barrel to be fabricated. Lab results 97−13945 1 ppm PCB's: MEG lab 0.624 ppm Benzene. Lab results of fluid at stop joint (10/15/97) 14 ppm benzene. 05:15 12/5/97 repair barrel installed and pressure tested. TO signed off complete. MEG removed 31,000 gallons of oil and water. Clean Harbors removed 10 tons and 15 yds of oil contaminated material from street and manhole.

Fluid loss recalculated by CSD to be 22,934 gallons.

E2MIS 113403:

ON 12/02/97 AT 1830 HRS SHIFT MANAGER J. CLARK #20420 REPORTED HPFF LEAK ON FDR M51 IN MANHOLE #61734 ON WEST BROADWAY ABOUT 100FT SOUTH OF TIEMANN PLACE ALSO KNOWN AS WEST 127ST. APPROX 5000 GALS WAS LOST, UNDERGROUND TRANSMISSION AND GAS OPERATIONS IS ON SITE. P. BYRNES #74864 AT 1845HRS ON 12/02/97.

SUPV. P. MCHUGH REPORTED THAT FIRE DEPARTMENT NOTIFIED MAN. CONTROL CENTER AT 1635HRS ON 12/02/97, FIRST CREW RESPONDED TO MANHOLE #61734 AT 1700HRS. P. MCGRATH REPORTED THAT APPROX 400 GALS LEAKED ONTO STREET WHEN HE ARRIVED AT SITE AND DIVERTED THE DIELECTRIC FLUID BACK INTO MANHOLE.

Intersection should be 123rd St not 127th. 16:45 TO notified of very large leak on feeder 51. Crews to check manholes PFT van to go out. 17:00 NYCFD notified Manhattan #9 of dielectric fluid on street surface on Broadway south of 125th St. Clean Harbors and MEG called for cleanup. VNR called for excavation if necessary. NYC Dept of Sanitation spreading sand on street. Southbound Broadway closed off south of 125th Street. 17:21 feeder removed from service. Fluid being diverted into second manhole approx 50' south of 61734. 18:30 MEG on location pumping manhole out. 19:00 MEG cannot keep up with flow of fluid.

19:15 Clean Harbors on location to assist MEG. 20:05 TO crews closed new stop joint valves in MH63639 to hold fluid back going uphill to Sprainbrook Sta. after 5 hours could not fully stop leak. Semi−stops on both sides of leak to be closed to control leak. MEG and Clean Harbors working on cleaning up street to open at least 1 lane of southbound traffic by 7AM. Pump at 49th St shutdown at 8:15 12/3/97. Leak rate slowed down − clamp to be repositioned to stop leak.

Temporary EPA # NYP 004015293 received from ERT. Temporary Clamp installed and holding at 11:45 12/3/97. MEG to clean out manhole and custom barrel to be fabricated. 3−11 shift 12/3/97 repair barrel material being gathered. 11−7 shift 12/4/97 barrel fabricated. Lab results 97−13945 1 ppm PCB's : MEG lab .624 ppm Benzene. Lab results of fluid at stop joint (10/15/97) 14 ppm benzene. 11:00 12/4/97 barrel installed and welding started. 05:15 12/5/97 repair barrel installed and pressure tested. TO signed off complete. MEG removed 31,000 gallons of oil and water. Clean Harbors removed 10 tons and 15 yds of oil contaminated material from street and manhole.

V.Schaefer #78367. Restoration procedure to be followed to return feeder to service. As per CSD total fluid loss was 23,934 gallons. Fluid loss recalculated by CSD to be 22,934 gallons.

4/17/09 Con Ed conducted Appendix B Site 69 investigation activities between between March and June 2006. Letter from DEC Moses Ajoku to Con Edison dated 3/27/08 advised that this spill was closed based on review of January 2008 SIR. I closed the spill in the database today using the letter date as the closure date. JOC

Map Identification Number 131 **FEEDER M52** **Spill Number: 0010293** **Close Date: 07/02/2004**
BROADWAY & LA SALLE AVE NEW YORK, NY TT−Id: 520A−0094−485

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1642 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: BROADWAY / LA SALLE ST
Revised zip code: NO CHANGE

Source of Spill:	UNKNOWN	Spiller:	CALLER − CON EDISON	Spiller Phone:	(212) 580−6763
Notifier Type:	Responsible Party	Notifier Name:	MR REIGHN	Notifier Phone:	
Caller Name:	BILL MURPHY	Caller Agency:	CON EDISON	Caller Phone:	(212) 580−6763
DEC Investigator:	KMFOLEY	Contact for more spill info:	CALLER	Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/13/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIELECTRIC FLUID	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

CALLER REPORTING A SPILL OF APPROX 70 GAL/MIN OF FEEDER CABLE OIL LEAK DETECTION EQUIPMENT ON THE LINE STATES THAT THE LINE IS LEAKING ANYWHERE FROM THE WEST 49TH STREET SUBSTATION TO THE TUCKOHOE SUBSTAION IN YONKERS THIS LINE ALSO CROSSES THE HARLEM RIVER AT THE 155TH ST BRIDGE AND THE 255TH ST BRIDGE THE COAST GUARD WAS NOTIFIED BY CON EDISON LEAK WAS NOT PHYSICALLY VERIFIED AT THIS TIME CALLBACK TO CON EDION FOR MORE INFO. CREWS CHECKING MANHOLES ON THE RUN OF THE FEEDER AND SUBSTATION FOR LEAKS NON PCB OIL INVOLVED SPILL RESPONSE BOAT ALSO NOTIFIED AND ENROUTE TO THE AREA OF THE BRIDGES

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "FOLEY"

APPENDIX B SITE 69

SPILL ORIGINALLY SENT TO R3. IT IS IN R2. BOB CORCORAN 12/27/2000.

12/13/00 Con Ed monitor (Okwuoha) and regional staff Mark Tibbe responded off hours to 70gal/hr dielectric fluid leak at Broadway and LaSalle. Spill came from leaking feeder that runs from W 49th St Substation to a substation in Yonkers. Cleanup and repair were in progress upon arrival. Con Ed said oil samples had been taken and soil samples will be taken after cleanup is completed.

12/15/00 Okwuoha Notes: Spoke with John Monahan. Spill location covered with steel plates, however Con Ed dug up soil 30m south of spill spot in order to remove the asbestos coating and put on a new hand wrapped coating. Instructed John that sample results must be faxed over before backfilling can be authorized.

2/6/01 Met with J. Tranchina and Chem Lab at 123rd St and Broadway. Will take samples for TPH. (KMF)

7/2/04 Spill submitted for closure. TPH concentrations OK for closure. (JHO)

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Con Ed e2mis #134737:

12/13/00 0855hrs USI Leak detection indicates a leak of 70gal/hr on fdr M52. Gas Corrosion dispatched to patrol run of feeder and inspect manholes. Two PFT vans dispatched to patrol feeder. Substation Operations to inspect all associated equipment. Feeder M52 runs between the W 49th St and Sprainbrook Substations. S&D to patrol river crossing.

TO sent 2 crews to check Manhattan and 2 crews to check Bronx and Westchester. Both PFT vans out running feeder. Feeder removed from service at 09:48. At 1300 barhole crew requested to sample from 125th to LaSalle Pl. At 1600 Clean Harbors notified to respond and stand by. Excavation started 120' s/o LaSalle Pl. At 23:30 12/13/00 temp clamp installed. Custom barrel fabricated and installed 23:00 12/14/00. ETI performed 3rd party weld inspection. Feeder returned to service at 05:13 12/15/00. Other damaged sections of pipe found and repairs to be done to them also.

Chem Lab reported 00−11684 <1ppm PCB in fluid, 00−11685 44ppb TCLP benzene in soil and 00−11687 <1ppm PCB in soil. On 12/15/00 Clean Harbors removed 6cu yrds of material. CSD reports total loss for leak is 979.5 gal. On 12/28/00 Clean Harbors removed 15cu yrds of spill material from trench.
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Samples were taken in the area of the leak location on February 6, 2001, by a representative from Jacques Whitford. Sample locations were selected by Kerry Foley from the NYSDEC, who was on site. Samples were analyzed by Ecotest Laboratories, for TPH dielectric fluid (by method 8100) and TCLP benzene (LSN 01−01279). The results are presented in the following table:

Sample location	TPH Conc (ppm)	TCLP Benzene (ppb)
North Excavation, Bottom Mid	6200	<5
North Excavation, East Wall	3400	<5
North Excavation, West Wall	3400	<5

Map Identification Number 132 **MANHOLE #28707** **Spill Number: 0000688** **Close Date: 03/15/2004**
LASALLE ST & BROADWAY MANHATTAN, NY TT−Id: 520A−0092−731

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1642 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: LA SALLE ST / BROADWAY
Revised zip code: 10027

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Affected Persons
Caller Name: RICHARD ROACHE
DEC Investigator: JHOCONNE
Spiller: UNK
Notifier Name: RICHARD ROACHE
Caller Agency: CON EDISON
Contact for more spill info: RICHARD ROACHE
Spiller Phone:
Notifier Phone: (212) 580−6764
Caller Phone: (212) 580−6766
Contact Person Phone: (212) 580−6764

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/17/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	4.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

CLEANUP PENDING SAMPLE RESULTS−NO SEWERS OR WATERWAYS AFFECTED.

CON ED #130925

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
e2mis no. 130925:

4 gallons of oil unknown type in manhole 27807. Records show sewer connection, also have open ends of primary cable in manhole #27807 leaking a few drops of dielectric fluid. Spill is distribution dielectric fluid from a 3c primary cable open end. No sample is required cleanup will be treated at 50−499 ppm PCB.

Primary end now sealed by trouble shooter.

DATE AND TIME THE CLEANUP WAS COMPLETED : 04/18/00 , 20:00.

CLEANUP PROCEDURE : OIL AND WATER REMOVED VIA TANKER OVER >50PPM, SHOVEL LEAD CONTAMINATED OILY MUD AND SOLID HAZARDOUS WASTE IN 55 GALLON DRUM'S , FLUSH OPERATIONS USED A HIGH PRESSURE HOSE TO TRIPLE WASHED THE FLOOR AND WALLS WITH BIO−GENESIS SOLUTION (SLIX) , MANHOLE WAS THEN RINSED BY FLUSH TRUCK.

Map Identification Number 133 **MANHOLE IN FRONT OF** **Spill Number: 9811358** **Close Date: 09/10/2009**
433 WEST 123RD ST MANHATTAN, NY TT−Id: 520A−0099−444

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1741 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	UNKNOWN	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Affected Persons	Notifier Name:	MR ROMANO	Notifier Phone:	(212) 580−6763
Caller Name:	TONY CONSTANTINE	Caller Agency:	CON EDISON	Caller Phone:	(212) 580−6763
DEC Investigator:	JMKRIMGO	Contact for more spill info:	TONY CONSTANTINE	Contact Person Phone:	(212) 580−6763

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/09/1998		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

will be cleaned up pending lab results ref #121832

DEC Investigator Remarks:

09/10/09 − See eDocs for Con Ed report detailing cleanup and closure.

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ENGELHARDT"

Map Identification Number 134 **APART** **Spill Number: 0612457** **Close Date: 11/23/2007**
480 ST NICHOLOS AVE NEW YORK, NY TT−Id: 520A−0098−110

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1746 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: 480 SAINT NICHOLAS AVE
Revised zip code: 10030

Source of Spill:	INSTITUTIONAL, EDUC, GOV, OTHER	Spiller:	JACK − ATTORNEY − APART	Spiller Phone: (908) 252−4262
Notifier Type:	Other	Notifier Name:		Notifier Phone:
Caller Name:		Caller Agency:		Caller Phone:
DEC Investigator:	SFRAHMAN	Contact for more spill info:	JACK − ATTORNEY	Contact Person Phone: (908) 252−4262

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/14/2007		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

PBS No: 2−201103
FOUND CONTAMINATED SOIL

DEC Investigator Remarks:

Sangesland spoke to Jack Caslatte (attorney for owner).
Building is an apartment building which is being renovated. There is an existing 20,000 gal UST buried in a courtyard of the building.
The building will convert to gas heat in June/July 2007 and this large tank will be removed. 4 Borings were taken around the tank and one sample came back with some elevated PAH coumpounds while another sample came back with an elevated Benzo(a)Pyrene level.
The owner will hire Soil Mechanics Environmental to pull the tank and deal with the contaminated soil/area under the tank.

CSL sent to Owner:
Philip's Park Housing Development Fund Corp.
c/o Mr. Bernard Warren
Webb & Brooker Inc.
2534 Adam Clayton Powell Blvd.
New York, NY 10039
11/23/07 The tank was removed and disposed of as a regulated non hazardous waste.The tank excavation revealed no evidence of petroleum product release into the environment.However, upon physical removal of the tank from the ground, a small volume of heavy fuel oil was observed at the bottom of the tank excavation(pictures provided).All contaminated soil was excavated until visually clean 12" thick concret slab was encountered at a depth of 12.0' below existing grade.The tank mat was not removed.Six end point samples were collected from the four walls of the remedial excavation.No vocs were detected.SVOCs detected were below the TAGM limit.fill line has been discontinued, fill line connection has been sealed with concrete so as to prevent use of fill line and the vent line has been removed.Report in edocs.(SR)

Map Identification Number 135 **216910; ST. NICHOLAS AVE & HANCOCK PL** **Spill Number: 0914228** **Close Date: 05/21/2009**
ST. NICHOLAS AVE & HANCOCK PL NEW YORK, NY TT−Id: 520A−0249−501

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (4)
Approximate distance from property: 1769 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: SAINT NICHOLAS AVE / HANCOCK PL
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	ERT DESK − CON EDISON	Spiller Phone:	
Notifier Type:	Responsible Party	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	DMPOKRZY	Contact for more spill info:	ERT DESK	Contact Person Phone:	(212) 580−8383

Category: Possible petroleum release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters, known releases with no potential for damage, or non−petroleum/non−hazardous spills.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
05/20/2009		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIELECTRIC FLUID	PETROLEUM	0	GALLONS	0	GALLONS	UTILITY

Caller Remarks: NO REMARKS GIVEN FOR THIS SPILL

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 136 **APT BUILDING** **Spill Number: 1206939** **Close Date: 10/15/2012**
518 WEST 136 ST MANHATTAN, NY TT−Id: 520A−0278−086

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1795 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: 518 W 136TH ST
Revised zip code: NO CHANGE

Source of Spill:	PRIVATE DWELLING	Spiller:	J M TRUCKING	Spiller Phone:	
Notifier Type:	Other	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	SMSANGES	Contact for more spill info:	KELLY BARRENTINE	Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/15/2012		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	30.00	GALLONS	0.00	GALLONS	

Caller Remarks:

20 gallons to paved out door sidewalk/clean up complete 10 gallons to inside basement, clean up underway

DEC Investigator Remarks:

J&M were making a delivery for Castle Oil. Order was for 1500 gal, at 900 gal over fill shot out the vent line onto cement sidewalk. 20 gal on sidewalk, all contained, no soil impacted, no drains impacted. Sidewalk cleanup completed. J&M along with Castle staff inspected the basement and found 10 gal spilled out the top of the tank onto the floor. The tank was properly closed and the basment floor was also cleaned. No floor drains impacted.

Map Identification Number 137 **W 132ND ST PURS UNIT R3 (M51S)** **Spill Number: 0203041** **Close Date: 05/04/2007**
630 WEST 132ND STREET MANHATTAN, NY TT−Id: 520A−0099−477

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1809 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	CALLER − CON ED	Spiller Phone:	(212) 580−6763
Notifier Type:	Responsible Party	Notifier Name:		Notifier Phone:	
Caller Name:	KEVIN MCARDLE	Caller Agency:	CON EDISON	Caller Phone:	(212) 580−6763
DEC Investigator:	JHOCONNE	Contact for more spill info:	CALLER	Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/22/2002		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	−1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

con ed # 143507 , historical.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "FOLEY"

5/4/07: site inspected with Con Edison (Chad Pfeiffer amd Voc Faster) − no active leaks on equipment. Contamianted soil around unit was excavated and removed. Post−excavation samples confirm cleanup. See eDocs for closure documentation. (JHO)

Map Identification Number 138 **PURS** **Spill Number: 0203039** **Close Date: 04/04/2007**
WEST 132ND ST MANHATTAN, NY TT−Id: 520A−0099−484

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1809 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: 630 WEST 132ND ST
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: Other
Caller Name: KEVIN MCCARDLE
DEC Investigator: JHOCONNE

Spiller: UNKNOWN − UNKNOWN
Notifier Name: KEVIN MCCARDLE
Caller Agency: CON EDISON
Contact for more spill info: CALLER

Spiller Phone:
Notifier Phone: (212) 580−6763
Caller Phone: (212) 580−6763
Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/22/2002		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

stain of unk oil on blue stone coned#143506

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "FOLEY"

5/20/04: PURS 62 not located at this facility − possible wrong facility identified.

6/21/04: This unit possibly at Rainey or Gold St PURS. Con Ed Pat Keelan to follow up.

10/7/04 − not a valid spill − no unit 62 at the station.

3/26/07 − e−mail to Con Ed Chad Pfeiffer requesting validation of above statement and clarification of spill report. (JHO)

4/4/07: Con Ed Pfeiffer confirms that there is an open spill for each of the units at the 132nd St PURS and one for each of the fdr 62 units at Rainey and Gold St. This is an erroneous report. See eDocs for e−mail from Pfeiffer. Close out. (JHO)

Map Identification Number 139 **TRANS FORMER MANHOLE 1888** **Spill Number: 0901843** **Close Date: 08/18/2009**
ST NICHOLOS AVE WEST 124TH MANHATTAN, NY TT−Id: 520A−0230−924

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1835 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: ST NICHOLOS AVE / W 124TH ST
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	CON ED	Spiller Phone:	
Notifier Type:	Other	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	RWAUSTIN	Contact for more spill info:	ERT	Contact Person Phone:	(212) 580−8383

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Any Type of RP Including No RP − No DEC Field Response − Corrective Action by Spill Response Not Required

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
05/14/2009		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN MATERIAL	OTHER	15.00	UNKNOWN	0.00	UNKNOWN	

Caller Remarks:

15 gallons of unk oil found in manhole clean up pending analysis.

DEC Investigator Remarks:

8/18/09 − Austin − Analysis came back as "lube oil/cooking oil" − Spill contained and cleaned up − see eDocs for details − spill closed − end

Map Identification Number 140 **VAULT VS−5606** **Spill Number: 1002786** **Close Date: 08/24/2010**
554 RIVERSIDE DRIVE MANHATTAN, NY TT−Id: 520A−0252−988

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (4)
Approximate distance from property: 1842 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Other	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	RWAUSTIN	Contact for more spill info:	ERT	Contact Person Phone:	(212) 580−8383

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Any Type of RP Including No RP − No DEC Field Response − Corrective Action by Spill Response Not Required

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/10/2010		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	4.50	GALLONS	0.00	GALLONS	

Caller Remarks:

4.5 GALLONS OF UNKNOWN FUEL OIL CONTAINED TO VAULT AT THIS TIME.

DEC Investigator Remarks:

emis 221872

8/24/10 − Austin − Con Ed claims this is a 3rd party spill, but analysis came back as dielectric fluid − Spill contained and cleaned up by Con Ed − see Docs for EMIS report − spill closed − end

Map Identification Number 141 **VAULT 5606** **Spill Number: 0212015** **Close Date: 03/06/2003**
554 RIVERSIDE DR MANHATTAN, NY TT−Id: 520A−0099−520

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (4)
Approximate distance from property: 1842 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	UNKNOWN	Spiller:	UNKNOWN − UNKNOWN	Spiller Phone:	
Notifier Type:	Affected Persons	Notifier Name:		Notifier Phone:	
Caller Name:	PETE MCGUIRE	Caller Agency:	CON EDISON	Caller Phone:	(212) 580−6763
DEC Investigator:	AERODRIG	Contact for more spill info:		Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
03/06/2003		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	60.00	GALLONS	0.00	GALLONS	SEWER

Caller Remarks:

con ed # ?? unk type oil has been found in the vault oil seems to be seeping thru the walls of the vault prior to spill be located a sump was being used to remove water from vault so some material may have been pumped to the sewer more investigation is underway as to the source

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "RODRIGUEZ"
3RD PARTY SPILL, REFERRED TO J. KRIMGOLD FOR FOLLOWUP. 3/6/2003 ARS.

VOUGHT IS HANDLING INCIDENT UNDER SPILL 0212031. ARS 3/6/2003.

Map Identification Number 142 **SOUTHWEST CORNER** **Spill Number: 9614617** **Close Date: 04/24/1998**
135TH ST & BROADWAY MANHATTAN, NY TT−Id: 520A−0099−521

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1850 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: W 135TH ST / BROADWAY
Revised zip code: 10031

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Other
Caller Name: CLARINDA WEST
DEC Investigator: MCTIBBE
Spiller: DOM DECARLO − NYNEX
Notifier Name: NYNEX
Caller Agency: MILRO ASSOC
Contact for more spill info: DOM DECARLO
Spiller Phone: (212) 864−0170
Notifier Phone:
Caller Phone: (516) 379−1570
Contact Person Phone: (212) 864−0170

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
03/19/1997		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SEWER

Caller Remarks:

CALLER IS CALLING BECAUSE THEY WERE SENT TO CLEAN OUY A MANHOLE FOR NYNEX

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
CLEANED BY nYNEX.

Map Identification Number 143 **AUTO SHOP** **Spill Number: 0707311** **Close Date: 10/05/2007**
640 W. 131ST ST NEW YORK, NY TT−Id: 520A−0211−100

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1860 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	PASSENGER VEHICLE	Spiller:	DEP − AUTO SHOP	Spiller Phone:	(718) 595−5000
Notifier Type:	Local Agency	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	RMPIPER	Contact for more spill info:	DEP	Contact Person Phone:	(718) 595−5000

Category:	Possible petroleum release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters, known releases with no potential for damage, or non−petroleum/non−hazardous spills.
Class:	Any Type of RP, Including No RP − DEC Field Response − Corrective Action Not Required or Not Possible

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/03/2007		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
MOTOR OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

CARS LEAKING, AT ABOVE ADDRESS

DEC Investigator Remarks:

DEC Piper inspected site. Site is strictly body repair and not full service lube garage. No oil observed. Closed.

Map Identification Number 144 **MANHATTANVILLE BUS DEPOT** **Spill Number: 9910510** **Close Date: 04/05/2001**
666 WEST 132ND ST MANHATTAN, NY TT−Id: 520A−0099−498

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1879 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	UNKNOWN	Spiller:	HOWIE MAPZA − NEW YORK CITY TRANSIT	Spiller Phone:	(718) 243−4581
Notifier Type:	Missing Code in Old Data − Must be fixed	Notifier Name:	W REILLY	Notifier Phone:	(718) 927−7777
Caller Name:	HOWARD MATZA	Caller Agency:	NYC TRANSIT	Caller Phone:	(718) 243−4274
DEC Investigator:	MCTIBBE	Contact for more spill info:	CALLER	Contact Person Phone:	(718) 243−4274

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/03/1999		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	2000	GALLONS	0	GALLONS	SEWER

Caller Remarks:

2000 GAL OF DIESEL SPILLED FROM SYSTEM − SOME IN PUMP ROOM SOME IN SEWER − NYC HAZMAT RESPONDED − CLEANUP ARRANGEMENTS MADE − FLOW STOPPED. NYC HAZMAT ALSO CALLED IN SPILL AND REPORTED APPROX 2000−2400 GALLONS ALSO SPILLED.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"

SPILL FROM DAMAGED/VANDALIZED SEAL IN PUMP ROOM. OIL CONTAINED IN DRAINAGE SYTEM OIL/WATER SEPARATOR (OWS). PUMP ROOM CLEANED AND OWS VACCED. SENSOR INSTALLED IN PUMP ROOM AND SUMP PITS THAT WILL ALARM SUPERVISOR OF A LEAK.

Map Identification Number 145 **MANHATTANVILLE DEPOT** **Spill Number: 9900473** **Close Date: 10/14/2004**
666 WEST 132ND ST MANHATTAN, NY TT−Id: 520A−0099−496

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1879 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	INSTITUTIONAL, EDUC, GOV, OTHER	Spiller:	UNKNOWN − UNKNOWN	Spiller Phone:	
Notifier Type:	Affected Persons	Notifier Name:	COMMAND CENTER	Notifier Phone:	(718) 243−4581
Caller Name:	RAMON PAEZ	Caller Agency:	NEW YORK CITY TRANSIT	Caller Phone:	(718) 243−4581
DEC Investigator:	MCTIBBE	Contact for more spill info:	RAMON PAEZ	Contact Person Phone:	(718) 243−4581

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/13/1999		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	85.00	GALLONS	85.00	GALLONS	SOIL

Caller Remarks:

SPILL AT THIS TIME IS STILL UNDER INVESTIGATION−HAS BEEN CLEANED UP

AND HAS NOT AFFECTED ANY WATERWAYS OR SEWERS

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"

10/14/04: As per a 10/13/04 NYCT e−mail, neither OSS nor DOB have any further information pertaining to this spill. Appears to be that same spill event as 9900720.

Map Identification Number 146 **MANHATTANVILLE BUS DEPOT** **Spill Number: 9604882** **Close Date: 07/31/1996**
666 WEST 133RD ST NEW YORK, NY TT−Id: 520A−0099−503

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1879 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	ERIC JONES − NYC TRANSIT		Spiller Phone: (718) 243−4581
Notifier Type:	Responsible Party	Notifier Name:	MICHAEL DEWAR		Notifier Phone: (212) 939−7972
Caller Name:	ERIC JONES	Caller Agency:	NYC TRANSIT		Caller Phone: (718) 243−4581
DEC Investigator:	ADZHITOM	Contact for more spill info:			Contact Person Phone: (212) 939−7972

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/15/1996		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

CONATINED IN PUMP ROOM − UNK CAUSE AT THIS TIME

1 GALLON OF PRODUCT IN ABOUT 200 GALLONS OF WATER.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ZHITOMIRSKY"
MOSTLY WATER, ERIC F. WILL GIVE ME AN UPDATE − WATER WAS COMING FROM THE PERFORATION IN THE WALL OF THE PUMP ROOM − SMALL AMOUNT OF OIL WAS IN THE SUMP − ONLY SHEEN OF OIL IN THE WATER − 07/31/96, ERIC JONES

Map Identification Number 147 **MANHATTANVILLE DEPOT** **Spill Number: 9600202** **Close Date: 12/27/2000**
666 WEST 133RD STREET MANHATTAN, NY TT−Id: 520A−0099−504

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1879 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	NYCTA	Spiller Phone:	
Notifier Type:	Responsible Party	Notifier Name:	ERIC FELDMAN	Notifier Phone:	(718) 243−5481
Caller Name:	ERIC JONES	Caller Agency:	NYC TRANSIT	Caller Phone:	(718) 243−5481
DEC Investigator:	MCTIBBE	Contact for more spill info:	ERIC JONES	Contact Person Phone:	(718) 243−4581

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/04/1996		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

nyc transit was excavating in area and found contaminated soil

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
transfered from Hale to Tibbe on 12/27/2000. refer to 95−06400.

Map Identification Number 148 **MANHATTANVILLE DEPOT** **Spill Number: 9511248** **Close Date: 12/27/2000**
666 WEST 133RD STREET MANHATTAN, NY TT−Id: 520A−0099−505

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1879 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	MR SULLIVAN − NYCTA	Spiller Phone:	(212) 939−7996
Notifier Type:	Responsible Party	Notifier Name:	MR SULLIVAN	Notifier Phone:	(212) 939−7996
Caller Name:	ERIC JONES	Caller Agency:	NYC TRANSIT	Caller Phone:	(718) 243−4581
DEC Investigator:	MCTIBBE	Contact for more spill info:	MR SULLIVAN	Contact Person Phone:	(212) 939−7996

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/06/1995		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	8800	GALLONS	4000	GALLONS	SEWER

Caller Remarks:

diesel escaped from filtration system due to an unknown cause and

got into the sewer and oil water seperator / 4000 gallons was trapped in oil water seperator and 4800 gallons is unaccounted for

D.E.P. called at 9:15 am to report spill

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
4800 gallons leaked from the pump room filtration system into the oil/water seporator. 800 gallons of the 4800 escaped to the sanitary sewer. Oil/water seporator was emptied, no soil or grounbdwater contamination. All product contained in seporator or reached treatment plant.

Map Identification Number 149 **MANHATTAN TERMINAL** **Spill Number: 1400101** **Close Date: 04/04/2014**
666 WEST 133RD ST NEW YORK, NY TT−Id: 520A−0297−291

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (3)
Approximate distance from property: 1879 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: UNKNOWN

Source of Spill: COMMERCIAL/INDUSTRIAL | Spiller: NYC TRANSIT | Spiller Phone:
Notifier Type: Other | Notifier Name: | Notifier Phone:
Caller Name: | Caller Agency: | Caller Phone:
DEC Investigator: HRPATEL | Contact for more spill info: MR NG | Contact Person Phone: (347) 386−7993

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/02/2014		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
OTHER	OTHER	2.50	GALLONS	0.00	GALLONS	

Caller Remarks:

tank overflow and into sump − cleanup in progress

DEC Investigator Remarks:

04/04/14−Hiralkumar Patel.
3:17 PM:− left message for Rochelle.
3:23 PM:− received call from Shui−Kei Ng from NYC Transit. he mentioned that during regular maintenance, crew found small amount of diesel in a sump on diesel tank. during investigation, they found minor leak from relief valve on pump located in the sump.
leak was fixed and spill was cleaned up.

case closed.

Map Identification Number 150 **MANHATTENVILLE DEPOT** **Spill Number: 0601281** **Close Date: 05/12/2008**
666 WEST 133RD STREET MANHATTAN, NY TT−Id: 520A−0099−516

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1879 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN | Spiller: RACHEAL KROWN − MANHATTENVILLE DEPOT | Spiller Phone: (646) 252−5773
Notifier Type: Responsible Party | Notifier Name: | Notifier Phone:
Caller Name: | Caller Agency: | Caller Phone:
DEC Investigator: rmpiper | Contact for more spill info: RACHEAL KROWN | Contact Person Phone: (646) 252−5773

Category: Possible petroleum release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters, known releases with no potential for damage, or non−petroleum/non−hazardous spills.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
05/03/2006		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
WASTEWATER	OTHER	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

A CONTRACTOR IS COMING OUT ON FRIDAY TO VACUM IT OUT, CONTAINED IN THE PITS, THIS PRODUCT IS A MIXTURE OF WATER AND OIL

DEC Investigator Remarks:

1/11/08 Received message from George Cunningham of MTA (646)252−3607. He was calling regarding spill 0601281, but also left this info regarding 0601281: No information on this spill yet, but he is working on it. bf

5/9/08− Piper spoke with MTA . They will look into it.

5/12/08− DECPiper. I recieved disposal manifests and work order of cleanup. Closed. see e−docs if warranted.

Map Identification Number 151 **MANHATTANVILLE BUS DEPOT** **Spill Number: 0409747** **Close Date: 03/09/2005**
666 WEST 133RD STREET MANHATTAN, NY TT−Id: 520A−0099−507

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1879 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Responsible Party
Caller Name: CAMAJ,PASHKO
DEC Investigator: MCTIBBE
Spiller: CAMAJ,PASHKO − MANHATTANVILLE BUS DEPOT
Notifier Name: CAMAJ,PASHKO
Caller Agency: NY CITY TRANSIT
Contact for more spill info: CAMAJ,PASHKO
Spiller Phone: (516) 902−0588
Notifier Phone: (718) 243−4581
Caller Phone: (718) 243−4581
Contact Person Phone: (516) 902−0588

Category: Possible petroleum release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters, known releases with no potential for damage, or non−petroleum/non−hazardous spills.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/01/2004		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
ANTIFREEZE	OTHER	60.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

Found in sump. investigating.

DEC Investigator Remarks:

03/09/05: As per an e−mail from NYCT on 3/7/05, "As per our conversation the following is a brief explanation of why the anti−freeze sump had product in it. The vendor was delivering Anti−Freeze and after the delivery an alarm sounded for the sump. After inspecting the cause of this, I found that the OPW overfill prevention valve clapper was broken in the closed position, this prevented the product from entering the tank. The pressure from the beginning of filling blew the loose cap from the top of the stick / fill riser causing the product to fill the sump. The product in the sump dropped and became even with the stick / fill riser because the small drain on the clapper for the overfill let the anti−freeze drop to a level at the top of the stick riser. This stick / fill riser has a duel purpose, one for sticking the tank and the other to house the OPW overfill device. A new OPW overfill device was installed and is operational. This tank was not "overfilled", it was a defect in the OPW overfill prevention valve."

Map Identification Number 152 **MANHATTANVILLE DEPOT −NYCT** **Spill Number: 0405766** **Close Date: 06/30/2005**

133RD ST. MANHATTAN, NY TT−Id: 520A−0099−499

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1879 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: 666 W 133RD ST
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL VEHICLE	Spiller:	CLAIRE SANNON − MANHATTANVILLE DEPOT	Spiller Phone:	(718) 243−4581
Notifier Type:	Responsible Party	Notifier Name:	ANDY GENUSIS	Notifier Phone:	(718) 243−4581
Caller Name:	CLAIRE SANNON	Caller Agency:	NYC TRANSIT	Caller Phone:	(718) 243−4581
DEC Investigator:	MCTIBBE	Contact for more spill info:	CLAIRE SANNON	Contact Person Phone:	(718) 243−4581

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/26/2004		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	10.00	GALLONS	10.00	GALLONS	SOIL

Caller Remarks:

Material was found in a discharge sump. All material is contained to the sump. Location is between Broadway and Riverside Dr.
Cause is under investigation and the tank is out of service. The contractor on site is doing the clean up.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"

06−30−05: 10 gallons of diesel discovered in the discharge sump of tank #5. A contractor was up grading the piping system.
Product leaked from the line when the piping was disconnected. Product removed from sump. After pipng upgrade was complete, all of the tanks, piping and sumps were tested prior to putting them back in service. They all passed.

Map Identification Number 153 **MANHATTANVILLE BUS DEPOT** **Spill Number: 0313077** **Close Date: 03/30/2004**
666 WEST 133RD STREET MANHATTAN, NY TT−Id: 520A−0099−508

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1879 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	PASHKO CAMAJ − MANHATTANVILLE BUS DEPOT	Spiller Phone: (718) 243−4581
Notifier Type:	Responsible Party	Notifier Name:	SANDY JANUSAS	Notifier Phone: (718) 243−4581
Caller Name:	PASHKO CAMAJ	Caller Agency:	NYC TRANSIT	Caller Phone: (718) 243−4581
DEC Investigator:	MCTIBBE	Contact for more spill info:	PASHKO CAMAJ	Contact Person Phone: (718) 243−4581

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/27/2004		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
MOTOR OIL	PETROLEUM	2.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

Material was found in a fill and discharge sump for tank #2. Looks like sloppy filling of product into tank. Being investigated and process of cleanup is happening as we speak The "sump" is made of fiberglass.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
Oil film in sump, most likely from piping work that had recently been performed. Water was entering the sump through the secondary vent piping, which is outside the building and not sealed. Tank currently out of service while being converted to a waste oil tank. Secondary will be corrected during the conversion process.

Map Identification Number 154 **MANHATTANVILLE BUS DEPOT** **Spill Number: 0210921** **Close Date: 03/30/2004**
666 WEST 133RD STREET MANHATTAN, NY TT−Id: 520A−0099−510

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1879 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	UNKNOWN	Spiller:	CALLER − NYC TRANSIT	Spiller Phone:	(718) 243−4581
Notifier Type:	Responsible Party	Notifier Name:	PASHKO CAMAJ	Notifier Phone:	(718) 243−4851
Caller Name:	PASHKO CAMAJ	Caller Agency:	NEW YORK CITY TRANSIT AUT	Caller Phone:	(718) 243−4581
DEC Investigator:	MCTIBBE	Contact for more spill info:	PASHKO CAMAJ	Contact Person Phone:	(718) 243−4581

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/31/2003		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	5.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

leak from a tank − unk what has caused it − clean up is in progress

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
Failed fill piping on diesel tanks 3&4 cause spill. No impact to the environment as confirmed by secondary and sump testing.
Spill cleaned by NYCT. All fill piping is being replace3d at this depot, starting 03/29/04.

Map Identification Number 155 **269 W 133RD STREET** **Spill Number: 9212040** **Close Date: 01/21/1993**
269 W. 133RD STREET MANHATTAN, NY TT−Id: 520A−0091−941

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1903 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Affected Persons
Caller Name: DOROTHY ALLEN
DEC Investigator: MCTIBBE
Spiller: TARRWNCE DRAFT
Notifier Name:
Caller Agency: HOMEOWNER
Contact for more spill info:
Spiller Phone: (212) 281−0250
Notifier Phone:
Caller Phone: (212) 569−9695
Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/01/1992	01/21/1993	UNKNOWN	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	−1.00	UNKNOWN	0.00	UNKNOWN	AIR

Caller Remarks:

STRING FUME IN LIVING ROOM, CON ED AND FD HAVE BEEN ON SITE, NO PROGRESS, SUPERINTENDENT NOT COOOPERATING, ON−GOING PROBLEM

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
10/10/95: This is additional information about material spilled from the translation of the old spill file: FUME.

Map Identification Number 156 **BROADWAY SOUTH** **Spill Number: 0011789** **Close Date: 07/02/2004**
122ND ST/LASALLE ST MANHATTAN, NY TT−Id: 520A−0101−686

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (5)
Approximate distance from property: 1905 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: BROADWAY / 122ND ST LA SALLE ST
Revised zip code: 10027

Source of Spill:	UNKNOWN	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Other	Notifier Name:	MS MCQUEEN	Notifier Phone:	
Caller Name:	PETE MAGUIRE	Caller Agency:	CON ED	Caller Phone:	(212) 580−6765
DEC Investigator:	JHOCONNE	Contact for more spill info:	PETE MAGUIRE	Contact Person Phone:	(212) 580−6765

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/01/2001		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
PCB OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

during excavation 1 cubic yard of contaminated soil found − spill being treated as 50−499 ppm pcb and will be cleaned up per that protocol − con ed 135334

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"

2/1/01: 1 cubic yard of contaminated soil. Cause of spill is unknown. No sewers or waterways affected. No injuries. No private property affected. No smoke or fire. (MCO)

2/6/01 Met at site with John Tranchina. Directed him to collect samples for TPH df and benzene. Historical contamination related to feeder M51/52. (KMF)

4/11/03: APPENDIX B SITE NO. 69. SEE SPILL NO. 0010293 FOR ADDITIONAL INFORMATION.

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e2mis no. 135−334:

On February 01, 2001, P. Canty, 77613 of Transmission Operations reported while doing excavation for feeders M51 & M52 he discovered approx. 1 cu yard of contaminated soil. Clean Harbors will be called to remove the contaminated soil. No samples will be taken, treating waste as less that 50ppm, using information from prior reports in same area.

UPDATE
Per P. Canty, Engr. 77613 on February 2, 2001: Clean Harbors started cleanup and a strong odor was noticed. Cleanup was stopped and Chem Lab will be called to take samples. Cleanup will continue pending test results.

Samples were taken in the area of the contaminated soil on February 6, 2001, by a representative from Jacques Whitford. The Jacques Whitford representative noted that there were small (quarter sized) globules of petroleum floating on top of pooled water in the excavation. The contaminants were removed by oil−absorbent pads. Sample locations were selected by Kerry Foley from the NYSDEC, who was on site. Samples were analyzed by Ecotest Laboratories, for TPH dielectric fluid (by method 8100), TCLP benzene, and VOCs (LSN 01−01279). The results are presented in the following table:

Location	TPH (ppm)	Benzene (ppb)	VOC (ppm)
North end, East Wall	4400	<5	NS
South end, East Wall	4100	<5	ND
South end Bottom	1200	<5	ND
North end, West Wall	59	<5	ND
South end, West Wall	390	<5	ND
North end, Bottom	590	<5	ND

Note: The wall samples were taken about a foot off the bottom of the excavation.
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Map Identification Number 157 **663 WEST 125TH ST** **Spill Number: 9403502** **Close Date: 06/06/1995**
663 WEST 125TH STREET NEW YORK, NY TT−Id: 520A−0094−500

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (3)
Approximate distance from property: 1927 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	GASOLINE STATION	Spiller:	GAS STATION	Spiller Phone:	
Notifier Type:	Affected Persons	Notifier Name:		Notifier Phone:	
Caller Name:	JOHN SHVARTSMAN	Caller Agency:	TRIA REAL ESTATE	Caller Phone:	(718) 858−6078
DEC Investigator:	O'DOWD	Contact for more spill info:		Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/11/1994	06/06/1995	UNKNOWN	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	−1.00	UNKNOWN	0.00	UNKNOWN	SOIL

Caller Remarks:

SUSPECT TANK OVERFILL RESULT FROM DISTRIB. DELIV.−NO CLEAN−UP YET−CALLER (LANLORD) IS CONCERNED THAT STATION OPER. (TENANT) WILL DO NOTHING TO CLEAN SPILL.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 158 **RIVERSIDE PARK COMPLEX** **Spill Number: 9611829** **Close Date: 12/30/1996**
3333 BROADWAY MANHATTAN, NY TT−Id: 520A−0096−722

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1935 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 10031

Source of Spill:	INSTITUTIONAL, EDUC, GOV, OTHER	Spiller:	SAME − SAME	Spiller Phone:	
Notifier Type:	Other	Notifier Name:	AL MEDINA	Notifier Phone:	
Caller Name:	JANET MATOS	Caller Agency:	CASTLE OIL	Caller Phone:	(718) 579−3413
DEC Investigator:	LUCE	Contact for more spill info:	ALEX	Contact Person Phone:	(212) 862−4545

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/30/1996		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	6.00	GALLONS	6.00	GALLONS	SOIL

Caller Remarks:

BACK PRESSURE FROM THE TANK CAUSED OIL TO COME BACK OUT AFTER THE

TANK WAS FILLED.THEY CLAIM IT WAS TANK PROBLEMS

SPILL IS GOING TO BE CLEANED UP

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 159 **3333 BROADWAY** **Spill Number: 9511604** **Close Date: 12/13/1995**
3333 BROADWAY MANHATTAN, NY TT−Id: 520A−0096−721

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1935 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 10031

Source of Spill:	UNKNOWN	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Citizen	Notifier Name:	ANONYMOUS	Notifier Phone:	
Caller Name:	ANONYMOUS	Caller Agency:		Caller Phone:	
DEC Investigator:	TOMASELLO	Contact for more spill info:	UNKNOWN	Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/13/1995		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	150.00	GALLONS	0.00	GALLONS	SEWER

Caller Remarks:

caller stated that it appeared that the residence was getting a delivery and oil was spilled. it is unknown why and he feels that they are doing very little to clean it up. oil is flowing into sewer

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 160 **ON STREET** **Spill Number: 0513563** **Close Date: 05/19/2006**
3333 BROADWAY NEW YORK, NY TT−Id: 520A−0096−724

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1935 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 10031

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Other
Caller Name: MILLIE LOPEZ
DEC Investigator: rvketani
Spiller: ROB HILL − ON STREET
Notifier Name: MILLIE LOPEZ
Caller Agency: CASTLE OIL
Contact for more spill info: ROB HILL
Spiller Phone: (718) 579−3410
Notifier Phone: (718) 579−3413
Caller Phone: (718) 579−3413
Contact Person Phone: (718) 579−3410

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/23/2006		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	75.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

WHILE DELIVERING OIL A CAR RAN OVER THE HOSE CAUSING SPILL, SPILL CREW CLEANING UP AND EASTMAN ENROUTE

DEC Investigator Remarks:

Broadway & 135th St
During delivery a van drove over the hose and tore a hole in the hose.
Heated #6 oil spilled 150 ft west along curb.

Eastmond cleaned the street & sidewalk. There were 3 cars parked that could not be moved. Eastmond used a power washer to get as much from under these cars as possible.

Castle Oil, Rob Hill, (718) 579−3410

3/1/06 − Raphael Ketani. I spoke to Mr. Hill. He said that 60% of the oil stayed at the fill port area. He said the fill port area is a mess and he is getting A.L. Eastmond & Son to come over and steam clean the area. He said that the rest of the oil ran about 8 cars down the block, but no sewers were affected.

3/2/06 − Raphael Ketani. I visited the site today. There is a black spot 8’ X 15’ on the sidewalk where fill ports for tanks #1 and #2 are. It was not clear how much staining was still in the street because of the slush all over and the parked cars. There was only a slight perceptible odor. Only a very thin stream of sheen was seen flowing downhill in the street. I called Mr. Hill and told him that the site needs to be cleaned much better. He said that he had called Eastmond several times to get them out to the site. Mr. Hill said that his crew will go out tomorrow to start the cleaning and then he will have Eastmond’s crew power wash the sidewalk and elsewhere.

3/15/06 − Raphael Ketani. I called Mr. Hill. He said that he sent one of his crew out there after Eastmond had come out a second time to clean the sidewalk. He said that his crew member reported that the oil hasn’t been cleaned up well. Mr. Hill said that he will steam clean the site this saturday.

3/22/06 − Raphael Ketani. I spoke to Rene (718) 378−3000. He said they couldn’t do the power washing last saturday as the cars were parked against the curb. He said that this friday they will all be gone and his crew will clean the sidewalk.

5/19/06 − Raphael Ketani. I am closing the case administratively as this was a very small spill and there was nothing in the street and no loose oil on the sidewalk when I made my inspection on 3/2/06.

Map Identification Number 161 **EQUITY MANGEMENT** **Spill Number: 1310999** **Close Date: 02/21/2014**
98 MORNINGSIDE AVE NEW YORK, NY TT−Id: 520A−0297−249

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (3)
Approximate distance from property: 1942 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: UNKNOWN

Source of Spill: PRIVATE DWELLING
Notifier Type: Other
Caller Name:
DEC Investigator: HRPATEL

Spiller: COMTOM TUCKER − EQUITY MANGEMENT
Notifier Name:
Caller Agency:
Contact for more spill info: COMTOM TUCKER

Spiller Phone:
Notifier Phone:
Caller Phone:
Contact Person Phone: (646) 632−6104

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/21/2014		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	UNKNOWN	0	UNKNOWN	

Caller Remarks:

unknown amt, loss to interior, 12 drums on exterior of home. C/u Rightway on scene for c/u

DEC Investigator Remarks:

02/21/14−Hiralkumar Patel.
3:19 PM:− spoke with Allan Friedman at NYC DOH. informed him about on−going spill investigation/cleanup. Allan asked for copy of spill report for spill #: 1310829.

case closed. refer to spill #: 1310829.

Map Identification Number 162 **APT BUILDING** **Spill Number: 1206053** **Close Date: 09/19/2013**
98 MORNINGSIDE AVE NEW YORK, NY TT−Id: 520A−0278−033

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1942 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	PRIVATE DWELLING	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Other	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	HRPATEL	Contact for more spill info:	COMPTON TUCKER	Contact Person Phone:	

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/19/2012		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	

Caller Remarks:

spill to oil tank room/oil mixed with water

DEC Investigator Remarks:

09/19/12 I spoke with NYC DOH Inspector Mr. Tucker, who indicated that they received a complaint from a tenant of that building regarding petroelum odor in her apartment. Her apartment was directly above the tank room. DOH responded.
I responded to the site and discovered the following:
−Poor housekeeping practices(oil stain) in the boiler room
− Oil spill in the tank room, strong odor. Two big puddles on both end of the tank.Oil stain on the tank manway.Oil water mixture on the tank room floor, odor in the tank room.5,000 gallon AST(thick black oil #4 or #6)
− No PBS registration certificate on site/No tank ID/ No gauge found/No monthly inspection record found.
− PBS 2−195790 expired in 2002.

As per spill # 0603999, Building Management was notified to register the tank and perform a tightness test in 2006,it was not done.

New owner:
Equity Management
C/O Barry Singer
95 Delancy Street, 2nd floor
Delancey Street, NY 10002
Ph: 212−254−4374, Super, Geraldo (646)879−7799
Fax: 212−353−0564 (sr)

Letter was sent out.(sr)

09/24/12 Spoke with Barry Singer. He told me that they retained a contractor to fix the leaking water pipe and to clean up the

spill.(sr)

07/24/13 Email from Associated Environmental in edocs.AES performed indoor air quality survey and subsurface soil investigation surrounding the tank.As per the report, Six soil borings were drilled within AST vault.Soil samples were taken between 0 to 2 ft below the AST vault floor.No visual or olfactory evidence of soil contamination observed in the collected samples.No STARS VOCs were detected above minimum reporting limit.The results of the indoor air survey found PID readings in the basement ranged from 0.0 PPM to 0.4 PPM in the storage rooms and hallways within the basement of the building. Measurements within the utility (electric water and sewer) rooms immediately adjacent to the AST vault were recorded at between 1.4 PPM and 5.2 PPM. Readings within the boiler room and AST vault were recorded at 23.8 PPM and 32 PPM, respectively.PID readings on the upper floors ranged from 0.3 PPM and 1.1 PPM, with most areas recorded at 0.6 PPM. The walls within the upper floors were posted with "wet paint" signs posted as well as a paint odor was observed indicating the upper floors had been recently painted. The fresh paint would provide a source of the PID readings noted above.

case assigned from DEC Rahman to DEC Patel.

09/09/13−Hiralkumar Patel. received fax from Donna from ABC Tank. they pumped out and cleaned interior of the tank and welded a precut on tank top. replaced two relief valves and three pressure and vacuum gauges. tested tank system on 07/22/13 and found tight.

09/11/13−Hiralkumar Patel.
alternate address: 95−97 Monrningside Ave, 96−98 Morningside Ave, 364 W 123rd Street

PBS #: 2−195790. as per PBS record, the site has one 5,000 gal #6 oil AST in contact with soil. PBS expired on 07/07/2002.

other spill 1206166 was reported on 09/21/12 by Castle Oil due to 50 gal #4 oil spill. case closed and merged with the subject spill.

2:15 PM:− spoke with Ms. Singer at Equity Management. informed her that PBS registration is not renewed yet. informed her that PBS application must be submitted by the end of 09/17/13 or else a notice of violation may be issued.

98 Morningside, Inc. **property owner**
c/o Equity Management
95 Delancey Street, 2nd floor
New York, NY 10002
Attn.: Pam Paragon **property manager**
Ph. (212) 254−4374
email: bsingerem@earthlink.net

Geraldo **building super**
Ph. (646)879−7799

2:46 PM:− sent email to Ms. Paragon including copy of letter dated 09/21/12 and PBS renewal application. informed her that PBS application must be submitted by the end of 09/17/13 or else a notice of violation may be issued. email copied to Donna at ABC.

3:11 PM:− received call from Donna. she mentioned that ABC Tank is updating PBS registration of all buildings managed by Equity Management. she is preparing required documents and will submit management for signature. Donna request extension for PBS form submission, till 09/20/13. approved her request. informed her that PBS form goes to central office, but copy must be submitted to me.

09/19/13−Hiralkumar Patel. received fax from Donna including copy of PBS application. she mentined that original has been sent to Albany for processing.

based on available information, case closed.

Map Identification Number 163 **WATTS** **Spill Number: 0603999** **Close Date: 11/24/2006**
98 MORINGING SIDE AVE NEW YORK, NY TT−Id: 520A−0097−391

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1942 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: 98 MORNINGSIDE AVE
Revised zip code: 10027

Source of Spill:	PRIVATE DWELLING	Spiller:	D. WATTS − WATTS	Spiller Phone:	(718) 593−4133
Notifier Type:	Local Agency	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	HRPATEL	Contact for more spill info:	D. WATTS	Contact Person Phone:	(718) 593−4133

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/11/2006		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN MATERIAL	OTHER	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

D. WATTS ALTERNATE # 212−864−1597 FIRE DEPT WAS REQUESTING INSPECTOR TO INVESTIGATE SPILL: SOME KIND OF OIL CALLER LIVES IN APARTMENT # 7 (WATTS)

DEC Investigator Remarks:

07/12/06−Hiralkumar Patel. received during off hours duty on 07/11/06. visited site. spoke with Jeraldo Merejildo (646−879−7799), super of building. property has 5000 gal #6 oil AST. tank is in contact of concrete. as per super, during last oil delivery they had overfill and oil spilled at vent pipe, about a month ago. and little oil came out from top of tank in tank room. they cleaned both oil spills immediately, but left speedy dry at location. when i reached on site, Ms. Watts was not at home. vent pipe is right under Ms. Watts living room window about 2−3 ft below. probably what ever oil soaked in speedy dry, under vent pipe, is getting vaporized due to heat and getting into Ms. Watts apartment. asked super to clean immediately area under vent pipe and clean inside tank room also. asked Ms. Watts to close windows for couple of days. no oil observed or odor in tank room as well as at vent pipe

observed oil stains in tank room as well as in boiler room. little oil on top of water in sump. asked super to clean all stains and sump. mat Andrew Kelly (718−595−4761) from DEP at site. he also observed oil in sump.

Managing agent:
Pan Paragon
95 Delancey Street
Manhattan, NY 10002
Ph. (212) 254−4374
FAX (212) 353−0564

PBS # 2−195790
PBS registration has expired on 7/7/02.

spoke with Ms. Paragon. they baught this property two years ago.

sent out CSL with tank registration and tank test requirements to Ms. Paragon. faxed to Ms. Paragon.

08/07/06−Hiralkumar Patel. received message from Ms. Watts (212−864−1597). she still receive odor in her apartment.

08/10/06−Hiralkumar Patel. left message for Ms. Paragon. spoke with super at building. he has clean area under vent pipe and painted it. asked him to check Ms. Watts apartment for any odor.

08/16/06−Hiralkumar Patel. left message for Ms. Watts. spoke with Ms. Paragon. she has received letter from the department and is working on it. visited site. found no odor anywhere in building. Ms. Watt was not at home so couldn’t check in her apartment.

11/24/06−Hiralkumar Patel. spoke with Ms. Paragon. she found tank registration certificate and will fax it. she hasn’t hired anybody for tank test. asked Ms. Paragon to test tank system and to renew expired registration.

case referred to PBS unit as site has unregistered tank.

from site visits, found oil spilled at vent pipe on concrete and no soil/drain affected. super cleaned area under vent pipe. no indication of leak from tank itself. based on observation during previous site visits, case closed.

Map Identification Number 164 **SPILL NUMBER 0101178** **Spill Number: 0101178** **Close Date: 06/01/2001**
8TH AVE & W 125TH ST MANHATTAN, NY TT−Id: 520A−0102−333

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1952 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: 8TH AVE / W 125TH ST
Revised zip code: NO CHANGE

Source of Spill:	UNKNOWN	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Health Department	Notifier Name:	NYPD	Notifier Phone:	
Caller Name:	TASHA GERENA	Caller Agency:	DEP	Caller Phone:	(718) 595−6777
DEC Investigator:	SIGONA	Contact for more spill info:		Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
05/01/2001		UNKNOWN	YES	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN MATERIAL	OTHER	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

caller was unsure of what spilled. also was not sure if it leaked into any sewers. no plans for cleanup yet.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 165 **515 W 122ND ST** **Spill Number: 9610522** **Close Date: 11/22/1996**
515 W 122ND ST MANHATTAN, NY TT−Id: 520A−0096−458

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1990 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	TANK TRUCK	Spiller:	CHARLIE − MYSTIC OIL	Spiller Phone:	
Notifier Type:	Responsible Party	Notifier Name:	RALPH DELEON	Notifier Phone:	
Caller Name:	CHARLIE BOETTIGER	Caller Agency:	MYSTIC OIL	Caller Phone:	(718) 932−9075
DEC Investigator:	WESTERLIND	Contact for more spill info:	CHARLIE BOETTIGER	Contact Person Phone:	(718) 932−9075

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/22/1996		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	10.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

DRIVER WAS PARKED ON AN INCLINE AND AS HE WAS PUMPING THE PRODUCT SHIFTED TO THE REAR COMPARTMENT − SPILL CREW ENROUTE

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 166 **UNK** **Spill Number: 9409466** **Close Date: 10/03/1997**
215 W.127TH ST. MANHATTAN, NY TT−Id: 520A−0093−398

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1995 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 10027

Source of Spill:	UNKNOWN	Spiller:	UNK	Spiller Phone:	
Notifier Type:	Other	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	UNASSIGNED	Contact for more spill info:		Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/15/1994		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN MATERIAL	OTHER	0	POUNDS	0	POUNDS	AIR

Caller Remarks: NO REMARKS GIVEN FOR THIS SPILL

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "XX"
SPILL CLOSED DUE TO INSUFFICIENT DATA.

Map Identification Number 167 **WEST 126TH STREET** **Spill Number: 0707079** **Close Date: 09/27/2007**
MORNINGSIDE AVE/ AMSTERDA MANHATTON, NY TT−Id: 520A−0102−556

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2007 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: MORNINGSIDE DR / AMSTERDAM AVE
Revised zip code: NO CHANGE

Source of Spill:	UNKNOWN	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Other	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	hrpatel	Contact for more spill info:	DEP	Contact Person Phone:	(718) 595−4784

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/26/2007		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
MOTOR OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

unknown amount spilled; caller states there is an oil tank, thinks it is motor oil going into the street

DEC Investigator Remarks:

DEC Patel responded to the site.

09/27/07−Hiralkumar Patel. visited site. found no oil. case closed.

Map Identification Number 168 **MANHOLE #58711** **Spill Number: 0513884** **Close Date: 04/17/2006**
WEST 123 ST & MANHATTAN AVE MANHATTAN, NY TT−Id: 520A−0096−072

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2046 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: W 123RD ST / MANHATTAN AVE
Revised zip code: NO CHANGE

Source of Spill:	UNKNOWN	Spiller:		Spiller Phone:	
Notifier Type:	Responsible Party	Notifier Name:	TONYA HAYNES	Notifier Phone:	(212) 780−3756
Caller Name:	TOM ENRIGHT	Caller Agency:	CON EDISON	Caller Phone:	(212) 580−6763
DEC Investigator:	GDBREEN	Contact for more spill info:		Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
03/03/2006		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIELECTRIC FLUID	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

5 oz spilled. No to the 5 questions. Ref #163175.

DEC Investigator Remarks:

04/17/06 − See e−docs for Con Ed report detailing cleanup and closure.

04/17/06 − See e−docs for Con Ed report detailing cleanup and closure.

163175. March 03, 2006. @ 12:00 Inspector P. Boyer 09630, Contruction Management. Discovered a stain on dirt, approx. 5 oz. of dielectric fluid in MH−58711, located at E/S Manhattan Av N/O 123 St. Mr. Boyer was on location to inspect structure for new ducts. He found a cut feeder, uncapped. Mr. Boyer saw a undergound crew working down the block and asked them to seal and cap the feeder, in which, they did. A red wagon runner is enroute to the location to bring Mr. Boyer a yellow tag and 2 jars. No fire/smoke involved. No sewer/waterways affected. No injuries related to the spill. Weather conditions didn't contribute to the spill. Source/cause; a uncapped feeder. Spill on: dirt. No private property affected. No standing water. No sewer connection. No cracks in structure.

March 04, 2006. On 03/03/06 about 16:00 when red wagon runner arrived on location with environmental tag and jars. Inspector, Bayer wasn't on locations. Runner didn't have a ladder with him to go down in the structure place environmental tag and to take lab samples.
Around 19:00 Flush Supv. Tracey Taylor arrived on locations with environmental tag and jars. He discovered a steel plate over the manhole. Next to the manhole is a excavation. T. Haynes 82326

Incident is taken off the 72−hour clock due to no access to structure. T. Haynes

Map Identification Number 169 **MANHOLE #60248** **Spill Number: 0611137** **Close Date: 08/18/2009**
12 AVENUE & ST. CLAIR'S PLACE MANHATTAN, NY TT−Id: 520A−0102−229

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2051 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: 12TH AVE / SAINT CLAIRE PL
Revised zip code: 10027

Source of Spill:	UNKNOWN	Spiller:	CON EDISON	Spiller Phone:	
Notifier Type:	Affected Persons	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	JMKRIMGO	Contact for more spill info:		Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/05/2007		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SEWER

Caller Remarks:

500 gallons of unk oil in 2 gallons of water in a manhole 15' north of St Clairs Place ConEd ref #203955. No to the 5 questions.

DEC Investigator Remarks:

08/18/09 − See eDocs for Con Ed report detailing cleanup and closure.

203955. see edocs.

ConEd reports product tests as No.6 FO. May be related to 0611095.

2/21/07: site visit conducted with Sarah Carlson (DEC Pet. Rem.) and Anthony Drummings (Con Ed Man EH&S). Oil was found in 2 manholes, both located downgradient of Columbia University spill (see spill no. 0212031). Oil may be residual from spill reported in 2002. Conduits connect these manholes to 2 vaults/manholes up the hill next to the fill line for CU's tanks. The fill line was found to be leaking, and was excavated and repaired. TRC (consultant for CU) installed ORC injection field for remediation. S. Carlson to follow up with CU, TRC. (JHO)

Map Identification Number 170 **EXCAVATION** **Spill Number: 0011576** **Close Date: 07/02/2004**
BROADWAY/123RD ST MANHATTAN, NY TT−Id: 520A−0094−486

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2054 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: BROADWAY / W 123RD ST
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	CON EDISON	Spiller Phone:	(212) 580−6763
Notifier Type:	Responsible Party	Notifier Name:	EVA MCQUEEN	Notifier Phone:	
Caller Name:	RICHARD ROACH	Caller Agency:	CONED	Caller Phone:	(212) 580−6766
DEC Investigator:	OKWUOHA	Contact for more spill info:	RICHARD ROACH	Contact Person Phone:	(212) 580−6763

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/26/2001		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIELECTRIC FLUID	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

3 to 4 yards of soil found to have cont. in it...unk cause at this time.. ref # 135241...samples taken clean up pending.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 171 **20457 SERVICE BOX** **Spill Number: 0713803** **Close Date: 10/14/2009**
12 AVENUE & W 125 STREET MANHATTAN, NY TT−Id: 520A−0214−904

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2073 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: 12TH AVE / W 125TH ST
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	ERT DESK − CON EDISON	Spiller Phone:	
Notifier Type:	Responsible Party	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	RWAUSTIN	Contact for more spill info:	ERT DESK	Contact Person Phone:	(212) 580−8383

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
03/30/2008		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	4.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

Con Ed #210612
Cleanup − pending resources

DEC Investigator Remarks:

210612. see eDocs

Oil may have come from MH 47173.

Con Ed says this may be related to prior spill 0701987 (emis 205903).

10/14/09 − Austin − Spill cleaned up − sourcre was "heavy fuel oil" − see eDocs for details − spill closed − end

Map Identification Number 172 **MANHOLE#M47173** **Spill Number: 0611095** **Close Date: 05/23/2007**
W. 125TH / 12TH AVE. MANHATTAN, NY TT−Id: 520A−0098−138

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2073 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: W 125TH ST / 12TH AVE
Revised zip code: 10027

Source of Spill:	UNKNOWN	Spiller:	UNKNOWN NAME − UNKNOWN THIRD PARTY SPILL	Spiller Phone:	
Notifier Type:	Affected Persons	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	JHOCONNE	Contact for more spill info:	ERT DESK‘ MIKE DAUGHTERY	Contact Person Phone:	(212) 580−8383

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/03/2007		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	50.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

50 gal. of material on 200 gal. of water. Third Party spill just came off of 72hr. clock because of quantity. ConEd#203920 Clean up will take some time because ConEd is using a private contractor. No to the five questions.

DEC Investigator Remarks:

emis no. 203920

1/5/07, 9:30 AM − spoke with Anthony Drummings, Manhattan Electric Ops EH&S. He was at location yesterday with contractor, and they pumped out all free liquid. there is still thick oil on walls. they can't complete cleanup until feeder is made safe. He expects to return tomorrow to power wash and soda balst the manhole. He stated that the material appears to be no. 6 oil even though the oil ID returned as "light fuel oil". The manhole is located in front of a warehouse − he looked for oil fill line but couldn't see any due to pallets on sidewalk. He will get me the address of the building so i can check PBS database. Also, he stated that they had recently cleaned out two service boxes in the immediate vicinity that also had fuel oil − he will check plates to see if they are connected to this manhole. (JHO)

1−8−07. see 0611137. This is a report of 500 gallons of what seems to be No.6 FO in a nearby manhole. conEd report 203955. Breen

2/21/07: site visit conducted with Sarah Carlson (DEC Pet. Rem.) and Anthony Drummings (Con Ed Man EH&S). Oil was found in 2 manholes, both located downgradient of Columbia University spill (see spill no. 0212031). Oil may be residual from spill reported in 2002. Conduits connect these manholes to 2 vaults/manholes up the hill next to the fill line for CU's tanks. The fill line was found to be leaking, and was excavated and repaired. TRC (consultant for CU) installed ORC injection field for remediation. S. Carlson to follow up with CU, TRC. (JHO)

05/23/07 − See e−docs for Con Ed report detailing cleanup and closure.

Map Identification Number 173 **MANHOLE 3140** **Spill Number: 9900174** **Close Date: 05/13/1999**
WEST 136TH ST & BROADWAY MANHATTAN, NY TT−Id: 520A−0091−014

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2077 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: WEST 136TH ST / BROADWAY
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: Affected Persons
Caller Name: STEVE ROMERO
DEC Investigator: CAENGELH

Spiller: UNKNOWN
Notifier Name:
Caller Agency: CON EDISON
Contact for more spill info: CALLER

Spiller Phone:
Notifier Phone:
Caller Phone: (212) 580−6763
Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/06/1999		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	5.00	GALLONS	0.00	GALLONS	SEWER

Caller Remarks:

5 GALLONS OIL ON 300 GALLONS WATER. CON ED # 124066.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ENGELHARDT"
Con ed e2mis notes:

Found spill of 5 gallons of unknown oil mixed with 200 gallons of water. The only oil equipment in the structure is a transformer which will be inspected once the oil and water has been removed from the structure.

AROCLOR 1260, pcb− 9ppm

Tanker removed 250 gallons of oil and water mix completed at 11:15. I&A crew washed structure with Bio Gen 760 removed two bags of solid debris. Unit pressure tested and no leaks found.

Map Identification Number 174 **SERVICE 47174** **Spill Number: 0008215** **Close Date: 04/03/2001**
W 130TH ST /12TH AVE NEW YORK CITY, NY TT−Id: 520A−0090−689

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2083 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN | Spiller: UNKNOWN − UNKNOWN | Spiller Phone:
Notifier Type: Affected Persons | Notifier Name: MR CURTIS | Notifier Phone: (212) 338−3352
Caller Name: STEVE ROMARO | Caller Agency: CON ED | Caller Phone: (212) 580−6763
DEC Investigator: KMFOLEY | Contact for more spill info: CALLER | Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/13/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

CALLER REPORTING A SPILL OF UNK MATERIAL CONED#133915 SAMPLES TAKEN CLEAN UP PENDING LAB RESULTS. NO CALLBACK NECESSARY

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "FOLEY"
e2mis Notes:

1 quart of unknown oil and approx 50 gal water in S−47174. Sample taken for PCBs. PCB results returned 0ppm. Analysis indicates the sample is similar to lubricating oil. Oil and water removed via tanker under 50ppm. Used high pressure hose to double wash floor adn walls with bio−genesis solution (slix). Service box was then rinsed by environment operations. Quantity removed from site and type of container's used: generated two palstic bags of non−hazardous waste. Transported to E 110th St Yard, Manhattan. Accumulation 189gal oil and water. KMF 4/3/01.

Map Identification Number 175 **COLUMBIA UNIVERSITY** **Spill Number: 0712524** **Close Date: 02/28/2008**
500 WEST 122ND STREET NEW YORK, NY TT−Id: 520A−0214−792

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2091 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	INSTITUTIONAL, EDUC, GOV, OTHER	Spiller:	EMPIRE OIL CO	Spiller Phone:	
Notifier Type:	Other	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	smsanges	Contact for more spill info:	DENNIS OHAGAN	Contact Person Phone:	(212) 854−8840

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/28/2008		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	15.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

OVERFILL AND EMPIRE FUEL CLEANING

DEC Investigator Remarks:

Sangesland spoke to Dennis OHagen of Columbia Univ. Facilities Dept.
Building is a dorm apartment building. Overfill during delivery out the vent pipe onto cement. No drains or soil impacted.
Driver spread speedie dry to contain spill. Building super added more speedie dry. Empire sent their own clean up crew out to the site. As of 11:30AM the Empire crew was "working on it".
3PM Mr. OHagan called back to say the cleanup was complete

Map Identification Number 176 **FORMER GAS STATION** **Spill Number: 9710405** **Close Date: 05/15/1998**
FREDERICK DOUGLASS BLVD MANHATTAN, NY TT−Id: 520A−0101−462

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2137 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: 8TH AVE / W 124TH ST
Revised zip code: NO CHANGE

Source of Spill:	GASOLINE STATION	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Other	Notifier Name:	GEORGE RUPP	Notifier Phone:	(212) 736−9191
Caller Name:	GEORGE RUPP	Caller Agency:	B.E. & K. ENVIROMENTAL	Caller Phone:	(212) 736−9191
DEC Investigator:	TOMASELLO	Contact for more spill info:	GEORGE RUPP	Contact Person Phone:	(212) 736−9191

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/10/1997		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

BUSINESS IS ON THE CORNER OF W124TH ST. OLD GAS STATION HAD CONTAMINATED SOIL. TESTS SHOW POSITIVE FOR GASOLINE PRODUCTS. SOIL WILL BE STOCK PILED.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 177 **SPILL NUMBER 9911952** **Spill Number: 9911952** **Close Date: 05/10/2004**
540 MANHATTAN AV MANHATTAN, NY TT−Id: 520A−0092−696

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2156 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	PRIVATE DWELLING	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Responsible Party	Notifier Name:	GENE COWEN	Notifier Phone:	
Caller Name:	JOHN BERRICELA	Caller Agency:	T & S TRUCKING	Caller Phone:	(718) 499−2900
DEC Investigator:	RWAUSTIN	Contact for more spill info:	JOHN BERRICELA	Contact Person Phone:	(718) 499−2900

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/15/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	10.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

caller is not sure if spill cause is defective guage or hi company

was told wrong tank size − spill has been contained − clean up crew

enroute

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "AUSTIN"
2/7/00 − Saccacio − Spoke to Rocky Venuto of T&S and requested a letter stating that the spill was cleaned up.

5/10/04 − AUSTIN − MINOR SURF. SPILL − CLOSED − END

Map Identification Number 178 **APT BUILDING** **Spill Number: 9902506** **Close Date: 10/04/1999**
540 MANHATTAN AVE MANHATTAN, NY TT−Id: 520A−0092−621

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2156 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	INSTITUTIONAL, EDUC, GOV, OTHER	Spiller:	JIMMY − SUPER − APT BUILDING AT	Spiller Phone:	(212) 865−0082
Notifier Type:	Other	Notifier Name:	AARRON BROOKS	Notifier Phone:	
Caller Name:	JANET	Caller Agency:	CASTLE OIL	Caller Phone:	(718) 579−3413
DEC Investigator:	WOOLSEY	Contact for more spill info:	JIMMY − SUPER	Contact Person Phone:	(212) 865−0082

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/04/1999		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	5.00	GALLONS	5.00	GALLONS	SOIL

Caller Remarks:

defective gauge caused an overfill − clean up crew sent and the spill was on concrete

DEC Investigator Remarks: DEC INVESTIGATOR REMARKS NOT AVAILABLE FOR THIS SPILL ACCORDING TO THE LAST UPDATE.

The following DEC Investigator Remarks were available prior to 1/1/2002:

SPOKE WITH JANET @ CASTLE 9:00AM, NO SEWERS OR DRAINS INVOLVED. SPEEDI−DRY BEING APPLIED. NO C/B REQUESTED SPILL CONTAINED ON CONCRETE.

Map Identification Number 179 **PS #192** **Spill Number: 9810574** **Close Date: 11/24/1998**
500 WEST 138TH ST MANHATTAN, NY TT−Id: 520A−0096−814

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2171 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	INSTITUTIONAL, EDUC, GOV, OTHER	Spiller:	FRANK CARDELLO − PS #192		Spiller Phone: (718) 391−6832
Notifier Type:	Other	Notifier Name:	ISSAAC MUNGRA		Notifier Phone: (718) 624−4842
Caller Name:	ISSAAC MUNGRA	Caller Agency:	PETROLEUM TANK CLEANERS		Caller Phone: (718) 624−4842
DEC Investigator:	MCTIBBE	Contact for more spill info:	FRANK CARDELLO		Contact Person Phone: (718) 391−6832

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/20/1998		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

SUMP PIT HAD OIL AND WATER MIXTURE WHICH WAS PUMPED OUT−NOW IT

CONTINUES TO SEEP BACK IN.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
DUPLICATE CALL FOR AN ON GOING REMEDIATION SITE (TOMASELLO).

Map Identification Number 180 **PUBLIC SCHOOL 24** **Spill Number: 9515727** **Close Date: 03/17/2003**
500 WEST 138TH ST MANHATTAN, NY TT−Id: 520A−0096−813

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2171 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	INSTITUTIONAL, EDUC, GOV, OTHER	Spiller:	MR YUDELSON − PUBLIC SCHOOL 24	Spiller Phone: (212) 421−2150
Notifier Type:	Responsible Party	Notifier Name:	DAVID YUDELSON	Notifier Phone: (212) 421−2150
Caller Name:	DAVID YUDELSON	Caller Agency:	SIVE PAGE RIESEL	Caller Phone: (212) 421−2150
DEC Investigator:	TOMASELLO	Contact for more spill info:	MR YUDELSON	Contact Person Phone: (212) 421−2150

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
03/07/1996		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

OIL IN SUMP PIT IN CELLAR OF SCHOOL

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 181 **SPILL NUMBER 9906936** **Spill Number: 9906936** **Close Date: 09/28/1999**

2276 12TH AV MANHATTAN, NY TT−Id: 520A−0092−642

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (3)
Approximate distance from property: 2204 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Affected Persons	Notifier Name:	STEVEN SPIGGILO	Notifier Phone:	
Caller Name:	RON POLLICINO	Caller Agency:	CON ED	Caller Phone:	(212) 338−3255
DEC Investigator:	COMENALE	Contact for more spill info:	RON POLLICINO	Contact Person Phone:	(212) 338−3255

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/10/1999		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
MERCURY	HAZARDOUS MATERIAL	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

unk amount spilled on con ed meter and on basement floor − area has been evacuated and ventilated − no clean up

DEC Investigator Remarks: DEC INVESTIGATOR REMARKS NOT AVAILABLE FOR THIS SPILL ACCORDING TO THE LAST UPDATE.

The following DEC Investigator Remarks were available prior to 1/1/2002:

Talked with Chris Haas of DEP HAZMAT
10/04/99 am

Chris indicated that there was less than a pound spilled.
He "wrote " Commisioner's orders to the owner to get the clean up completed.
Chris stopped back on Monday and the clean up was completed by
Trade Winds. He also has a copy of the manifest if needed.
Third party on Con Ed equipment.
10/05/99 CAE said to copy Sam(RCRA).

A third party mercury spill found on gas metere and floor of basement of 2276 12 Ave. plastic was placed over spill and door left open to ventilate same. Dep notified at 10:15. Amount unknown at this time and company personnel will not be allowed to enter. Cig and Ert were notified that the event involved history section will not be filled out due to the unknown amount. Chris hass from Dep on location 11:30

Due to third party spill no material will be filled out. The quantity is unknown. The ERT Shah is aware that no quantity will be associated with this report and tht the material history will not be filled out.

Map Identification Number 182 **509 WEST 121ST ST** **Spill Number: 9602034** **Close Date: 05/13/1996**
509 WEST 121ST ST MANHATTAN, NY TT−Id: 520A−0099−527

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2236 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL VEHICLE	Spiller:	UNKNOWN − UNKNOWN	Spiller Phone:	
Notifier Type:	Local Agency	Notifier Name:	MR POPE	Notifier Phone:	(212) 678−3333
Caller Name:	MORALES	Caller Agency:	NYC DEP	Caller Phone:	(718) 595−6777
DEC Investigator:	MCTIBBE	Contact for more spill info:		Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
05/11/1996		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN MATERIAL	OTHER	55.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

citizen noticed the 55 gal drum fall off of the truck − the truck never stopped to pickup − white milky liquid now leaking all over road

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
LEAKING WHITE LIQUID. HAZMAT AND IWCS NOTIFIED. SANITATION THERE. HANDLED BY DEP.

Map Identification Number 183 **222 W.134 ST. MANHATTAN/#** **Spill Number: 8605811** **Close Date: 12/13/1986**
222 W. 134 ST. NEW YORK CITY, NY TT−Id: 520A−0093−636

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2238 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: 222 W. 134TH ST.
Revised zip code: NO CHANGE

Source of Spill:	INSTITUTIONAL, EDUC, GOV, OTHER	Spiller:	NYC BOARD OF EDUCATION	Spiller Phone:	
Notifier Type:	Fire Department	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	UNASSIGNED	Contact for more spill info:		Contact Person Phone:	

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/13/1986	12/13/1986	UNKNOWN	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	0	UNKNOWN	0	UNKNOWN	SOIL

Caller Remarks:

@

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was " "

Map Identification Number 184 **222 WEST 134TH ST − P.S. 92** **Spill Number: 0811732** **Close Date: 02/27/2009**
222 WEST 134TH ST NEW YORK, NY TT−Id: 520A−0226−352

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2238 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	RAPID PETROLEUM	Spiller Phone:	
Notifier Type:	Fire Department	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	RMPIPER	Contact for more spill info:	ED ZARLTH	Contact Person Phone:	(212) 234−4277

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/27/2009		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	150.00	GALLONS	0.00	GALLONS	

Caller Remarks:

spill on concrete; clean up en−rte

DEC Investigator Remarks:

SPill of 100 gallons occurred during transfer of oil from one tank to the other. Spill was out vent onto sidewalk. PTC hired to perform cleanup.
I responded to site. PTC arrived shortly thereafter. CLosed.

Map Identification Number 185 **MANHOLE #24608** **Spill Number: 9901013** **Close Date: 05/11/1999**
W 121ST & AMSTERDAM AV MANHATTAN, NY TT−Id: 520A−0099−440

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2264 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: W 121ST ST / AMSTERDAM AV
Revised zip code: 10027

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Affected Persons	Notifier Name:	MR CROW	Notifier Phone:	(212) 580−6763
Caller Name:	FRANK MASSERI	Caller Agency:	CON EDISON	Caller Phone:	(212) 580−6763
DEC Investigator:	JHOCONNE	Contact for more spill info:	FRANK MASSERI	Contact Person Phone:	(212) 580−6763

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/27/1999		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN MATERIAL	OTHER	4.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

UNKNOWN MATERIAL FOUND FLOATING ON APPROX 125 GALLONS OF WATER − SAMPLES HAVE BEEN TAKEN AND CLEAN UP WILL FOLLOW / CON−ED SPILL #124466

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
Con ed e2mis notes:

4 gallons of unknown fluid and 125 gallons of water in man hole. One sample taken for pcb and 2nd sample taken for ID. PLIC in structure. pcb<1.00ppm, oil id analysis, sample analysis indicates the presence of an oil similar to lube oil. Cleanup completed on 4−28−99 1300 hours. Removed 350 gallons oily water.

MH flushed.

1 plastic bag non hazardous waste.

Tag removed.

Map Identification Number 186 **MAN HOLE #24608** **Spill Number: 0302137** **Close Date: 02/10/2004**
W 121ST ST & AMSTERDAM AV MANHATTAN, NY TT−Id: 520A−0090−803

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2264 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: W 121ST ST / AMSTERDAM AV
Revised zip code: NO CHANGE

Source of Spill:	UNKNOWN	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Affected Persons	Notifier Name:	MR LEE	Notifier Phone:	(212) 580−6763
Caller Name:	TOM MARCINEK	Caller Agency:	CON EDISON	Caller Phone:	(212) 580−6763
DEC Investigator:	SKARAKHA	Contact for more spill info:	TOM MARCINEK	Contact Person Phone:	(212) 580−6763

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
05/29/2003		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

was on the 24hr program − taken off can't clean till after the 24hr

spill is on 100gals of water − ref #148519

DEC Investigator Remarks:

E2MIS 148519

5/29 @ 15:21

At 14:59 HRS Diaz # 19010 FOD reoported to me that while working on Feeder 2M35 in M−24608 he discovered approx 1 qt of an unknown oil atop 100 gallons of water. No sewer connection as per Conduit plate 51−D−3. The spill was on the Concrete structure floor. Source and the cause of the spill are unknown at this time. Two (2) samples for PCB and ID will be taken. There are no initial cleanup actions taken at this time.

5/29/03 20:59 Received lab results,

Lab Sequence Number: 03−04494−001

Insufficient amount of sample extracted to perform oil identification.

5/29/03 22:19 Received lab results,

Lab Sequence Number: 03−04495−001 TOTAL PCB 51 ppm

5/30/03 05:14 V. Centamore # 88743 Underground/cleanup supervisor called to report that the cleanup was completed at 04:15. An over 50 tanker removed 500 gallons of liquid frim the structure. The structure was double washed with pinicle water base cleaner & degreaser. Supervisor V. Centamore reported that the structure was visually inspected and there were no open or unsealed cable ends. The source is unknown.

Map Identification Number 187 **CONSTRUCTION SITE** **Spill Number: 0807473** **Close Date: 10/25/2010**
2300 FREDERICK DOUGLAS BLVD MANHATTAN, NY TT−Id: 520A−0222−350

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2269 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: 2300 FREDERICK DOUGLASS BLVD
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	BILL SCHLAGETER − CAPITAL DREAMS	Spiller Phone:	
Notifier Type:	Other	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	HRAHMED	Contact for more spill info:	BILL SCHLAGETER	Contact Person Phone:	(917) 715−0752

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/02/2008		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	25.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

Contractor discovered impacted soils, soil will be excavated and placed on plastic for disposal.

DEC Investigator Remarks:

10/03/08 Sangesland spoke to Bill Schlageter. He said the contractors are moving quickly on this site. They discovered some contaminated soil during excavation. They staged the contaminated soil on plastic and will have it properly removed with manifests. They already took end point samples from the open excavation and will forward a report to DEC with end point test results.

10/03/08−HRAHMED−Bill Schlageter of Preferred Environmental called. As per him they excavated 20'X25' and 12' deep. At 12' they found shin on groundwater.

10/22/09−HRAHMED−Received email from Bill Schlageter on 10/03/08 outlining the remedial action plan:

The subject property is currently undergoing an entire redevelopment of the property which includes the excavation of soils to 18 feet below grade surface (bgs) and dewatering of the water table an estimated (three to four feet). An existing dewatering system is operating at the property which includes an oil/water separator, etc and discharges to the municipal sewer system. The site is listed as an "E"−designated parcel by the New York City Department of Planning and a Remedial Action Plan was prepared by Impact Environmental, submitted to and approved by the New York City Department of Environmental Protection for the removal of historical fill from the property and dewatering of groundwater.

As part of the process of preparing a RAP to the NYCDEP, Impact collected and analyzed groundwater samples from the property. No petroleum−impacts were identified in the groundwater samples indicative of a petroleum−release at the property. Minor impairments were detected but were contributed by Impact to an upgradient off−site source.

An excavator was utilized to delineate the on−site soil impacts. Impacts were observed to extend to a depth of 12 to 14 feet below grade surface, at which point groundwater was encountered. What appeared to be a slight sheen was observed atop of the groundwater.

As part of the overall site re−development, the area of petroleum−impacted soils will to be excavated. Based upon observations, made by Preferred, the following Remedial Activities will be conducted:

1. Petroleum−impacted soils will be excavated, temporarily stockpiled on−site and eventually transported off−site to a licensed/permitted facility;

2. Preferred will collect a series of endpoint soil samples from sidewalls of the excavation. No bottom endpoint sample will be collected as the bottom of the excavation will be in groundwater;

3. As the site is going to be de−watered by three to four feet, and prior groundwater data did not reveal the present of significant petroleum−related groundwater impacts, Preferred does not propose to collected groundwater quality samples; and

4. The results of the endpoint samples will be included in a spill closure report submitted to the NYSDEC for review.

10/25/10−HRAHMED−Received closure report from Bill of preffered Env. As per the report, the whole site was excavated upto 18 ft

below grade. Groundwater level at this was 12 ft. A dewatering system was set up to draw down the water table and allow for deeper excavation. As part of the dewatering system, the groundwater is pumped into a frac tank and through an activated carbon filtration unit before final discharge into the municipal sewer system. Water sample results from effluent and influent was below TAGM limit or not detected. Since the entire site a excavated upto 18 ft no end point soil samples were collected.

Based on the report, the spill case is closed. A SCL was sent to:

124 Owners Longview LLC
c/o RCG Longview
Seven Penn Plaza
New York, NY 10001

Att: Richard Gorsky

Map Identification Number 188 **138TH ST & AMSTERDAM AVE** **Spill Number: 9912152** **Close Date: 03/19/2002**
138TH ST & AMSTERDAM AVE MANHATTAN, NY TT−Id: 520A−0101−685

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2269 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: WEST 138TH ST / AMSTERDAM AVE
Revised zip code: 10031

Source of Spill:	UNKNOWN	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Responsible Party	Notifier Name:	MR BOSZE	Notifier Phone:	(212) 580−6763
Caller Name:	TONY LOPEZ	Caller Agency:	CON ED	Caller Phone:	(212) 580−6763
DEC Investigator:	JHOCONNE	Contact for more spill info:	TONY LOPEZ	Contact Person Phone:	(212) 580−6763

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/21/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

MANHOLE #24708 SPILL IS CONTAINED SAMPLE HAS BEEN TAKEN CLEAN UP WILL BE DONE PENDING RESULTS CON EDISON REF 129697

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"

Map Identification Number 189 **OPEN TRENCH** **Spill Number: 0410402** **Close Date: 01/10/2008**
W 122 ST/MANHATTAN AVE MANHATTAN, NY TT−Id: 520A−0093−472

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2270 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: W 122ND ST / MANHATTAN AVE
Revised zip code: NO CHANGE

Source of Spill:	UNKNOWN	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Local Agency	Notifier Name:	MR RICHARD PAGANO	Notifier Phone:	(212) 580−8383
Caller Name:	SHIKARIDES,CHRIS	Caller Agency:	CON EDISON	Caller Phone:	(212) 580−6763
DEC Investigator:	GDBREEN	Contact for more spill info:		Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/18/2004		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
MOTOR OIL	PETROLEUM	1.00	GALLONS	1.00	GALLONS	SOIL

Caller Remarks:

Caller reports spill on the south west corner. This is a third party spill. ConEd cleaned up the spill. It was completed at 1400.
No to the five questions. #156650.

DEC Investigator Remarks:

01/10/08 − See eDocs for Con Ed report detailing cleanup and closure.

On 12/18 @ 14:10 Tegnazian # 72274 of CM informed me that while at S/W/C W122 St & Manhattan Av in an Open Trench that they were Fixing a gas main they noticed approx (1) gallon of motor oil and a filter in the trench. To their knowledge no sewer/waterway was affected, no private property was affected, no fire/smoke was involved. The source is a third party spill and the cause is unknown. The spill was in the soil excavation. The affected area was dug up and double bagged. (10) bags were filed. The cleanup was started at 13:45 and completed at 14:00 HRS on 12/18/2004. Transportation has been called and will respond to the location after 16:00 on 12/18/2004.

Map Identification Number 190 **APARTMENT BUILDING** **Spill Number: 1110885** **Close Date: 06/15/2012**
260 WEST 135TH ST MANHATTAN, NY TT−Id: 520A−0269−275

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2286 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	260 WEST 135 LLC−AISHA RODRIGUEZ − UNK/PROPERTY	Spiller Phone:	
Notifier Type:	Other	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	SFRAHMAN	Contact for more spill info:	CLAUDIUS	Contact Person Phone:	917−295−5862

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/07/2011		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	UNKNOWN	0	UNKNOWN	INDOOR AIR

Caller Remarks:

HEAVY PETROCHEMICAL ODOR, COMING FROM BASEMENT, ACCESS DOORS CURRENTLY LOCKED.

DEC Investigator Remarks:

DOH Rep got 20ppm on his PID in the lobby. Basement was locked this morning.
Sangesland called building manager "Aisha Rodrequez" at 212−942−5550 ext 105

She says someone will be on site at 2:30 today to allow a basement inspection.

12/08/11 Responded to the site on 12/07/11 afternoon. An oil delivery was made on 12/06/11 and spilled unknown quantity of #2 oil from the vent. Fill and vent pipe is located in front of the building,but blocked by metal garbage can. Oil spilled directly to the floor underneath the stairways that goes to the basement.Approx 25−30 gallons on the basement floor, under piled up garbage bags. Building super put down sand on the floor to absorb free oil. Smell was too strong in the basement and on sidewalk IFO the building There was evidence of oil spill on the sidewalk as well.Tank is vaulted, 3000 gallon, unregistered.No oil spilled in the tank room.I spoke with Property Manager Aisha Rodriguez on site and told her to retain a spill clean up contractor to begin the clean up. I also spoke with the Oil Company that delivered the oil and Mr. Roman(owner) assured me that they will work together to complete the clean up.(sr)

01/13/12 Performed site inspection today.Contamination still exist underneath the stairways.More excavation recommended.In the basement, tank room,boiler room, entrance room appeared to be odor free.No visible contamination observed in those room.(sr)

PBS: ** 2−611730 **

06/15/12 ABC tank submitted the closure report.ABC replaced the vent line with an alarm.A petrometer gauge was installed on the 3,000 gallon AST tank.All contaminated debris was removed from the trench area and placed in drums for proper disposal. Disposal manifest attached.Case closed.(sr)

Map Identification Number 191 **CHURCH** **Spill Number: 0605727** **Close Date: 08/23/2006**
219 WEST 132ND STREET NEW YORK, NY TT−Id: 520A−0090−527

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2290 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	INSTITUTIONAL, EDUC, GOV, OTHER	Spiller:	MILLIE LOPEZ − CASTLE OIL TERMINAL	Spiller Phone:	(718) 579−3413
Notifier Type:	Other	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	SMSANGES	Contact for more spill info:	FATHER GREEN	Contact Person Phone:	(212) 234−2848

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/17/2006		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	4.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

HOSE MALFUNCTION AND IS REPAIRED AND IN PORCESS OF CLEANING UP

DEC Investigator Remarks:

Sangesland spoke to Father Green − spill cleanup completed

Map Identification Number 192 **SPILL IS IN REGION 2** **Spill Number: 9611063** **Close Date: 01/22/1997**
NOT IN REG 3 MANHATTAN, NY TT−Id: 520A−0092−938

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2296 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: W 137TH ST / BROADWAY
Revised zip code: 10031

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	PAT MCHUGH − SPRINGBROOK SUB STATION	Spiller Phone: (212) 580−6763
Notifier Type:	Responsible Party	Notifier Name:	ED OLSEN	Notifier Phone: (212) 580−6769
Caller Name:	PAT MCHUGH	Caller Agency:	CON ED	Caller Phone: (212) 580−6763
DEC Investigator:	tdghiosa	Contact for more spill info:		Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/07/1996		UNKNOWN	YES	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIELECTRIC FLUID	PETROLEUM	600.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

FEEDER M52 FROM SUBSTATION RUNNING LEAKING TO WEST 49TH SUBSTATION IN MANHATTEN IS LEAKING SO FAR 600 GALLONS HAVE BEEN LOST UNKNOWN

WHERE THE PRODUCT IS BEING LOST LOCATION OF SPILL 137TH ST AND

BROADWAY IN MATHATTEN CONTAINED TO A MANHOLE CLEAN UP WILL START

ASAP WITH A CONTRACTOR

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "GHIOSAY"
12/07/96 LOCATION OF SPILL IS 137th STREET, MANHATTAN (REGION 2)

01/22/97 SEE ABOVE.

Map Identification Number 193 **137TH ST & BROADWAY/CONED** **Spill Number: 8800418** **Close Date: 04/27/1995**
137TH ST AND BROADWAY NEW YORK CITY, NY TT−Id: 520A−0094−490

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2296 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: W 137TH ST / BROADWAY
Revised zip code: NO CHANGE

Source of Spill:	UNKNOWN	Spiller:	CON ED	Spiller Phone:	
Notifier Type:	Affected Persons	Notifier Name:		Notifier Phone:	
Caller Name:	TIM SLAUSON	Caller Agency:	NYC TRANSIT AUTHORITY	Caller Phone:	(718) 330−3998
DEC Investigator:	MCTIBBE	Contact for more spill info:		Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

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Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/13/1988	04/27/1995	UNKNOWN	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
PCB OIL	PETROLEUM	−1.00	POUNDS	0.00	POUNDS	SEWER

Caller Remarks:

SAMPLED AND FOUND PCB'S (85PPM), CON ED FACILITY IN VICINITY, MAY BE POTENTIAL SOURCE.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
/ / : WAS SULLIVAN SPILL REASSIGNED 4/27/95 TO ENGELHARDT. Spill reassigned to Tibbe on 11/19/99.

Map Identification Number 194 **137TH STREET AND BROADWAY** **Spill Number: 8701857** **Close Date: 06/04/1987**
7TH AVENUE STOP / SUBWAY MANHATTAN, NY TT−Id: 520A−0099−522

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2296 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: W 137TH ST/BROADWAY
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL Spiller: N.Y.C. TRANSIT AUTHORITY Spiller Phone:
Notifier Type: Citizen Notifier Name: Notifier Phone:
Caller Name: Caller Agency: Caller Phone:
DEC Investigator: UNASSIGNED Contact for more spill info: Contact Person Phone:

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/04/1987	06/04/1987	UNKNOWN	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	−1.00	UNKNOWN	0.00	UNKNOWN	AIR

Caller Remarks:

WORK OPERATION AT THE SUBWAY STATION CAUSED CITIZEN IN THE STATION TOALMOST LOOSE CONSCIENCNESS. (FROM SMOKE)

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was " "
10/10/95: This is additional information about material spilled from the translation of the old spill file: SMOKE AND FUMES.

Map Identification Number 195 **LEAK WATCH− YONKERS TO MANHATTAN** **Spill Number: 1307651** **Close Date: 01/31/2014**
BROADWAY AND W. 137 ST. MANHATTAN, NY TT−Id: 520A−0293−408

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2296 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: BROADWAY / W 137TH ST
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	CON ED	Spiller Phone:	
Notifier Type:	Other	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	RWAUSTIN	Contact for more spill info:	ERT	Contact Person Phone:	(212) 580−8383

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/26/2013		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIELECTRIC FLUID	PETROLEUM	700.00	GALLONS	0.00	GALLONS	

Caller Remarks:

Unknown where it is. Somewhere between Yonkers and Manhatten. Does go under the Harlem River.
600−700 Gallons of dielectric fluid in Manhole #62566 at 137th and Broadway in Manhattan.

DEC Investigator Remarks:

10/26/13− Spoke to ERT desk. Fluid missing; still investigating where lost. Will update when source/location determined.

Con Ed later reported location was in Region 2, Manhattan.

NFA DT

1/31/14 − Austin − Con Ed submitted final EMIS and I found spill assigned to Region 3 − Had spill transferred to Region 2 for review − 700 gal. dielectric fluid feeder leak found and contained in freeze pit at Broadway and W. 137th St. Manhattan − Con Ed contained and cleaned up the spill; leak found and reapired on 5 inch pypass line − See eDocs files for further information − Spill closed − end

Map Identification Number 196 **MANHOLE** **Spill Number: 0903963** **Close Date: 08/05/2009**
BROADWAY & WEST 137TH ST MANHATTAN, NY TT−Id: 520A−0229−388

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2296 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: BROADWAY / WEST 137TH ST
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Other	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	Con Ed Unassigned	Contact for more spill info:	ERT	Contact Person Phone:	(212) 580−8383

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/06/2009		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

1 GALLON OF UNK PETROLUEM TO SOIL. UNK SOURCE CLEAN UP PENDING.

DEC Investigator Remarks:

08/05/09 − See eDocs for Con Ed report detailing cleanup and closure.

Map Identification Number 197 **M52 FEEDER LEAK WITHIN MANHOLE** **Spill Number: 0712584** **Close Date: 02/29/2008**
137 STREET & BROADWAY MANHATTAN, NY TT−Id: 520A−0218−271

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2296 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: W 137TH ST / BROADWAY
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	CON EDISON	Spiller Phone:	
Notifier Type:	Responsible Party	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	gdbreen	Contact for more spill info:	ERT DESK	Contact Person Phone:	(212) 580−8383

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/29/2008		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIELECTRIC FLUID	PETROLEUM	100.00	GALLONS	0.00	GALLONS	SURFACE WATER

Caller Remarks:

100 gallons tank discrepancy. Estimated leak rate of 1 gallon / hour. Oil has not been found as of yet. In a feeder.

21088

DEC Investigator Remarks:

210088. see eDocs

Map Identification Number 198 **FEEDER M52 LEAKED INTO MH 62566** **Spill Number: 0709896** **Close Date: 11/17/2008**
WEST 137 STREET & BROADWAY MANHATTAN, NY TT−Id: 520A−0211−215

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2296 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: W 137TH ST / BROADWAY
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	CON EDISON	Spiller Phone:	
Notifier Type:	Other	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	RWAUSTIN	Contact for more spill info:	ERTSDESK	Contact Person Phone:	(212) 580−8383

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/14/2007		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIELECTRIC FLUID	PETROLEUM	300.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

unknown weather any water or sewers were affected; unknown the source of the spill or if it is stopped; nothing is contained; still investigating; ending point is the west 49th street substation.

209145

DEC Investigator Remarks:

209145. see eDocs

Leak was repaired with barrel welded over clamp.

11/17/08 − Austin − Feeder leak contained to manhole − 400 gals. recovered − closed − end

Map Identification Number 199 **OPEN EXCAVATION** **Spill Number: 9805378** **Close Date: 12/30/2005**
203 WEST 131ST ST MANHATTAN, NY TT−Id: 520A−0092−520

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2312 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: Local Agency
Caller Name: STEVE ROMERO
DEC Investigator: JBTAMBE

Spiller: UNKNOWN
Notifier Name: LONSETH
Caller Agency: CON EDISON
Contact for more spill info: LONSETH

Spiller Phone:
Notifier Phone: (212) 580−6763
Caller Phone: (212) 580−6763
Contact Person Phone: (212) 338−4429

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved	Meets Cleanup Standards	Penalty Recommended
07/30/1998		UNKNOWN	2−606841	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL
The following material was dropped or revised by the NYS DEC. Call Toxics Targeting for more information						
UNKNOWN PETROLEUM	UNKNOWN	1.00	GALLONS	0.00	GALLONS	

Caller Remarks:

FOUND SPILL AS THEY WERE EXCAVATING FOR GAS SERVICE THEY WILL BE PUTTING CONTAMINATED SOIL IN CONTAINERS AND SHIPPING FOR ANALYSIS

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "M TIBBE"
CON ED E2MIS NOTES

12/23/05. Based on ConEd report, estimated spilled was one gallon of oil contamination in the soil. No follow−up from DEC at that time. ConEd received NYSDEC Closeout approval on 11/06/2002. See file.

Analysis report indicates the presence of an oily substance similar to a light fuel oil.

Third party spill − transferred to Tibbe.

Map Identification Number 200 **212678; 502 W 121 ST** **Spill Number: 0814314** **Close Date: 10/17/2008**
502 W 121 ST NEW YORK, NY TT−Id: 520A−0248−624

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (4)
Approximate distance from property: 2313 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: 502 W 121ST ST
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL | Spiller: ERT DESK − CON EDISON | Spiller Phone:
Notifier Type: Responsible Party | Notifier Name: | Notifier Phone:
Caller Name: | Caller Agency: | Caller Phone:
DEC Investigator: DMPOKRZY | Contact for more spill info: ERT DESK | Contact Person Phone: (212) 580−8383

Category: Possible petroleum release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters, known releases with no potential for damage, or non−petroleum/non−hazardous spills.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/22/2008		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	UTILITY

Caller Remarks: NO REMARKS GIVEN FOR THIS SPILL

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 201 **125TH ST. & HUDSON RIVER** **Spill Number: 9214231** **Close Date: 12/30/2002**
125TH ST. / HUDSON RIVER MANHATTAN, NY TT−Id: 520A−0101−683

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (5)
Approximate distance from property: 2352 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: W 125TH ST / HUDSON RIVER
Revised zip code: 10027

Source of Spill: UNKNOWN | Spiller: UNKNOWN | Spiller Phone:
Notifier Type: Federal Government | Notifier Name: | Notifier Phone:
Caller Name: P.O. MIKE WALKER | Caller Agency: U.S.C.G. | Caller Phone: (212) 668−7920
DEC Investigator: SJMILLER | Contact for more spill info: | Contact Person Phone:

Category: Possible petroleum release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters, known releases with no potential for damage, or non−petroleum/non−hazardous spills.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
03/26/1993		UNKNOWN	YES	NO

NO MATERIAL INFORMATION GIVEN FOR THIS SPILL

Caller Remarks:

NOTIFIER DISCOVERED SPILL AND REPORTED TO U.S.C.G.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MILLER"
10/10/95: This is additional information about material spilled from the translation of the old spill file: BLACK SUBSTANCE LIQ.

12/30/2002, MILLER CLOSED SPILL REPORT DUE TO LACK OF INFORMATION.

Map Identification Number 202 **BELOW GRADE SERVICE BOX** **Spill Number: 1109146** **Close Date: 12/13/2011**
I/S OF WEST 125TH AND W. MARGINAL ST MANHATTAN, NY TT−Id: 520A−0270−687

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (4)
Approximate distance from property: 2352 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: W 125TH ST / W MARGINAL ST
Revised zip code: 10027

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	UNK	Spiller Phone:	
Notifier Type:	Other	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	RWAUSTIN	Contact for more spill info:	ERT	Contact Person Phone:	2125808383

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/19/2011		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	25.00	GALLONS	0.00	GALLONS	

Caller Remarks:

CONTAINED TO STRUCTURE, CLEANUP PENDING TESTS.

DEC Investigator Remarks:

12/13/11 − Austin − 25 gals, of what resembles #6 F.O. was found on top of water in a Con Ed manhole − Con Ed contained and cleaned up the spill − See the documents in eDocs for further information − Spill closed − end

Map Identification Number 203 **SERVICE BOX # 51888** **Spill Number: 0610629** **Close Date: 01/17/2007**
WEST 125 STREET & MARGINAL ST MANHATTAN, NY TT−Id: 520A−0098−140

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (4)
Approximate distance from property: 2352 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: W 125TH ST / MARGINAL ST
Revised zip code: 10027

Source of Spill:	INSTITUTIONAL, EDUC, GOV, OTHER	Spiller:	ERTS − CON EDISON SB #51888	Spiller Phone:	(212) 580−8383
Notifier Type:	Other	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	GDBREEN	Contact for more spill info:	ERTS	Contact Person Phone:	(212) 580−8383

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/19/2006		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

1 QUART ON 40 GALONS OF WATER: COMING OFF DUE TO CREW LACK: CONED # 203772

DEC Investigator Remarks:

01/17/07 − See e−docs for Con Ed report detailing cleanup and closure.

203772. see eDocs; choose report with the later date.

Map Identification Number 204 **1 QT FUEL OIL IN SERVICE BOX #68518** **Spill Number: 0610626** **Close Date: 01/17/2007**
WEST 125 & MARGINAL STREETS MANHATTAN, NY TT−Id: 520A−0098−139

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (4)
Approximate distance from property: 2352 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: W 125TH ST / MARGINAL ST
Revised zip code: 10027

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Spiller: ERTS − CON EDISON SB 68518
Spiller Phone: (212) 580−8383
Notifier Type: Responsible Party
Notifier Name:
Notifier Phone:
Caller Name:
Caller Agency:
Caller Phone:
DEC Investigator: GDBREEN
Contact for more spill info: ERTS
Contact Person Phone: (212) 580−8383

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/19/2006		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

1 QUART ON WALLS AND FLOOR OF SERVICE BOX AND AN ODOR OF FUEL OIL; TESTING AT THIS TIME: CONED # 203771

DEC Investigator Remarks:

01/17/07 − See e−docs for Con Ed report detailing cleanup and closure.

203771. see eDocs; choose report with the later date.

Map Identification Number 205 **APT BLD** **Spill Number: 0900831** **Close Date: 06/14/2011**
270 WEST 136TH STREET MANHATTAN, NY TT−Id: 520A−0226−428

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2364 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	PRIVATE DWELLING	Spiller:	HAL COOKE − HEC REAL ESTATE GROUP	Spiller Phone:	
Notifier Type:	Other	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	HRAHMED	Contact for more spill info:	SEAN MARTIN	Contact Person Phone:	(516) 746−4400 ext. 2

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/22/2009		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

CALLER STATES THAT THEY GOT TEST RESULTS BACK SHOWING CONTAMINATED SOIL. CLEAN UP STATUS UNK.

DEC Investigator Remarks:

04/22/09−Vought−Duty desk officer. Called and spoke to EEA Sean Martin (516)746−4400x25 cell: 347 527 3246, fax:516−746−4432 and they are working on Phase I and in course of reviewing prior documents found Phase II in 2006 done by Impact Environmental who collected six soil samples around 1000−gallon AST. 3 out of 6 soil samples had xylenes above TAGM 4046. Roux Associates then abandoned AST in May 2007 and AST was emptied and 500 gallons of oil was removed and one 55−gallon drum of sludge removed and work was performed by Brookside Environmental Services and AST was filled with inert foam and fill and vent were cut and sealed. Property was renovated. Reports will be sent to DEC Ahmed upon confirmation by owner. CSL sent with one month due date to owner:

Mr. Hal Cooke
HEC Real Estate Group
2550 Fredrick Douglas Blvd
New York, NY 10030
Ph: 212−234−4358

06/10/09−HRAHMED−Started reviewing

Phase I Environmental Site Assesment Report prepared by EEA on 11/21/2006:
As per Ms. Adrienne Collier of HBC Real estate group, the building will undergo significant renovations in the near future. It's a 5−story brick walk−up residential apartment building with a basement, ground floor store front spaces, and an attached 1−story structure used for commercial/retail occupancy. An oil−fired heating system is located in the basement. A fillport and vent were identified outside of the building along W 136 St. A strong petroleum odor was noticed in the basement. Odor was traced to a dirt−filled basement crawl space located in the vicinity of the fillport and vent. There was no record of fuel oil tank in NYC FD database. EEA recommended a Phase II investigation should be performed prior to any building renovation projects to determine the classification of any tank and the extent of contamination that was obvious.

Phase II Environmental Investigation Report by Impact Environmental on Nov 21, 2006:

10/4/09−Vought−Received inquiry from DEC Ahmed as to further action for site as recent sub−slab soil vapor samples show up to 108ug/m3 PCE and indoor air shows up to 6.5ug/m3 PCE. Vought discussed site with DEC O'Connell and site will be made a potential P−Site and file review need to aid in site classification. As per notes above, Site is a 5−story brick walk−up residential apartment building with a basement, ground floor store front spaces, and an attached 1−story structure used for commercial/retail occupancy. Vought recommended to DEC Ahmed that consultants sample for full list VOCs and install vapor barrier/SSD as owner is wishing to redevelop soon.

7/19/10−HRAHMED−Received Subslab vapor intrusion investigation. As per the report, in SV2 location the PCE level was 108.56 ug/m3. As per the NYS DOH guidance further monitoring is required. Scheduled a site visit.

8/18/10−HRAHMED−Did a site visit. They removed the aboveground tank. Ask them to do two soil boring in two location at least five foot below surface.

1/13/11−HRAHMED−Received Phase II Environmental Subsurface Investigation Report. As per the report, A total of two (2) soil test borings were advanced on the subject property, in the area of a former 1,000 gallon aboveground fuel−oil storage tank. A total of two (2) soil samples were collected from these borings.Soil obtained from borings consisted of fill material ranging from 0−2 feet below grade in
boring B−1 and 0−4 feet below grade in boring B−2. Beneath this fill layer, lays a brown, medium, silty sand with traces of fine gravel. No VOCs or SVOCs were found at levels exceeding NYSDEC TAGM guidelines in boring B−1; however, fifteen (15) VOCs, and two (2) SVOCs [Bis(2−ethylhexyl)phthalate and Pyrene], were detected at levels above laboratory method detection limits. Furthermore, soil obtained from the 4−5 foot section of boring B−1, contained a strong fuel−oil odor and readings as high as 220 parts per million (ppm) on the PID. No VOCs or SVOCs were found at levels exceeding NYSDEC TAGM guidelines in boring B−2; however, one VOC (Methylene Chloride) and one SVOC (Pyrene) were detected at levels exceeding laboratory method detection limits. In addition, a fuel oil odor and PID readings between 10−15 ppm, were obtained on soil from boring B−2.
It should be noted that no chlorinated solvents were detected in soil samples obtained during this Phase II Subsurface Investigation. In B1 location xylene was detected at 600 ppd which is above CP51 guidance value. No PCE or TCE was detected.

3/1/11−HRAHMED−Discussed the results with RSE Austin. Based on the discussion, Department sent a requirement to take subslab, indoor, ambient vapor samples in SV2 location to evalute the current condition.

5/5/11−HRAHMED−Received additional round of subslab, indoor and ambient air sample results for SV2 location. As per the report, TCE concentration was 16.96 ug/m3 in subslab and PCE was not detected.

5/17/11−HRAHMED−Discussed the results with RSE Austin. Based upon the discussion, with only one VOC component (Xylene 600 ppd) over CP51 value and comparing the air sampling results with NYS DOH dicision matrix table (which suggests no further action), this case is closable.

5/24/11−HRAHMED−Discussed the results with Remediation Section A Chief Jane O'Connell. As per her, if petroleum contamination is cleaned up for the case the case can be closed. As ask to send the investigation reports to her to see if any further action is required for vapor intrusion.

6/14/11−HRAHMED−Based upon the document review, this case is closed.

COMPLETE E−DOCS FILE REVIEW BY INTERN IBEH ON 8/25/11.

11/21/06. Letter from EEA Inc (Lucchese) to Ms. Adrienne Collier (HBC Real Estate Group
2471 Frederick Douglass Boulevard, Suite 6, New York 10027)attaching Phase I ESA. No on−site potable water supply wells were noted within the basement of the building or on exterior portions of the property. No monitoring wells were observed on exterior portions of the property, or imbedded within adjacent sidewalk areas at the time of site visit. Sanborn Fire Insurance Maps depict building as a 5−story residential apartment building with a basement, ground floor storefronts, and an attached 1−story structure used for commercial/retail occupancy. A fillport and vent, normally associated with the presence of fuel oil storage tanks, were identified outside near the northeast corner of the subject building along West 136th Street but no storage tanks noted in the area. Records searches returned no RCRA TSD sites, hazardous waste generators or other toxic release records for the property. 258 NYSDEC spill incidents were identified within an approximate 1/2−mile radius of the property, of which 219 have been "closed" by NYSDEC. The remaining 39 spill incidents were listed as "active" within Spills Log database.

11/21/06. Letter from Impact Environmental to Ms. Collier re: Phase II ESA. That Impact installed 6 soil probes on 10/20/06, SP1−SP6 and determined that the tank onsite was an AST enclosed in an aboveground tank vault within building basement. SP1−SP4 were installedproximal to the location of the existing AST running from east to west along southern side of tank. SP5 and SP6 were installed in the remaining portion of the nasement floor. Hydrocarbons were detected in all soil samples collected from the probes and one sample from each of the six probes was sent for analysis.

6/11/07. Letter from Roux Associates ot Ms. Collier re: AST Closure. That Roux has completed the closure of a 1,000−gallon heating oil AST at the property and that bassed on the lack of soil staining or free product in soil samples, as well as lack of SVOCs and only 1 VOC above regulatory criteria, it did not appear that AST had leaked or impacted soil to the extent requiring remediation. Approximately 500 gallons of oil ad one 55−gallon drum of sludge were removed from the tank on 5/14/07 by Brookside Environmental Services. The tank was then filled with inert foam with the fill and vent ports cut and sealed. Tank was also cleaned and sprayed to eliminate residual odor.

4/22/09. Letter from DEC Ahmed to Hal Cooke of address below:

HEC Real Estate Group
2550 Fredrick Douglas Blvd
New York, NY 10030
Ph: 212−234−4358

That on date above, the DEC was notified of a petroleum release on the above−mentioned address and Mr. Cooke was required to "promptly clean up and remove the discharge". Also, a letter report was to be submitted to the department no latter than one month from the date of this letter.

4/27/09. Phase I ESA Report from EEA Inc to Hal Cooke for 3 properties viz:

a) 2479 Frederick Douglass Blvd, Blk 1958, Lot 32 (ESA−08298)
b) 270 W136th Str, Blk 1941, Lot 61 (ESA−08299)
c) 2014−2016 Adam Clayton Powell Blvd, Blk 1926, Lots 33&34 (ESA− 08300).

Previous investigations conducted were found and are summarised as thus. A previous Phase I ESA of 8/2006 performed by EEA on the subject property was discovered and it noted that a fillport and vent line, indicative of an onsite fuel oil tank, were found outside the subject building on the sidewalk fronting 136th street. Petroleum odo was noted in building basement indicative of a leak but the tank could not be located during the inspection. As a result, a Phase II was recommended to locate tank and determine potential contamination. An 11/2006 Phase II ESA was conducted and the tank was located and identified as an AST fuel oil tank containing 1,000 gallons of oil. 6 soil samples were taken around the AST and 3 of these samples showed elevated Xylene concentrations above state guidelines thus further action was recommended.

Subject property is ~2,490ft2, is relatively flat and is improved with a five−storey residential apartment building with a basement. Subject building has 2 apartment units, 6 of which were occupied at the time. According to historical information, subject property was constructed pre−1909 as residential apartment building with a basement and commercial storefront. No evidence for recognized environmental conditions that could have affected subsurface soils. No fillports or vent lines indicative of storage tanks were found within the building or on exterior portions of it as of EEA's 11/2008 site visit and it was concluded that the storage tank was likely removed from the basement during total gut rehabilitation of the site. An NYCFD search request confirmed the tank−1,080−gallon fuel oil tank− as being sealed and removed from the property. A search in the DEC's Inactive Hazardous Waste Disposal Site Registry lists 1 property within a 1 mile radius of subject property: New York City Public School No. 141, 2350 Fifth Avenue, New York(NYSDEC Facility ID 231004). Subject property was not identified in this Registry. Spills log did not identify property but 302 spill incidents were identifies within a half−mile radius of subject property.

10/9/09. Letter from DEC Ahmed to Hal Cooke. Stating that the Departent requires delineation of soil and groundwater contamination via determination of groundwater flow direction, submission of surrounding area site map and former/current locations of all USTs, remote fill ports and dispenser islands and performance of indoor air monitoring.

01/2011. Phase II Environmental Subsurface Investigation prepared for NY Residential Works, 347 Lenox Ave, NY, 10027 by EEA Inc. 2 soil test borings were advanced in the area of the former AST and 2 samples were collected using a hand auger as basement area was inaccessible to Geoprobe and and drill rigs. PID screenings conducted and samples taken from depth exhibiting the highest PID reading or 5ft bgs. No VOCs or SVOCs were found at levels
exceeding NYSDEC TAGM guidelines in boring B−1; however, 15 VOCs, and 2 SVOCs [Bis(2−ethylhexyl)phthalate and Pyrene], were detected at levels above laboratory method detection limits. Furthermore, soil obtained from the 4−5 foot section of boring B−1, contained a strong fuel−oil odor and readings as high as 220 parts per million (ppm) on the PID. No VOCs or SVOCs were found at levels exceeding NYSDEC TAGM guidelines in
boring B−2; however, one VOC (Methylene Chloride) and one SVOC (Pyrene) were detected at
levels exceeding laboratory method detection limits. In addition, a fuel oil odor and PID
readings between 10−15 ppm, were obtained on soil from boring B−2. No chlorinated solvents detected at this point.

04/2011. Phase II Soil Vapor Intrusion Monitoring Program prepared for NY Residential Works by EEA Inc.− Previous soil vapor intrusion investigation conducted in June 2010 (by EEA) found PCE concentrations in subslab that required further monitoring in sample location−SV−2. DEC contacted property owner for another round of soil vapor intrusion investigation as well as another sample from SV−2. Fuel odor present upon entrance to basement. 1 indoor air, 1 outdoor air and 1 sub−slab soil vapor (SV−2) sample were collected from property basement. Results− VOCs detected in sub−slab, indoor and outdoor air samplesat concentrations

exceeding method detection limits. TCE concentrations were below lab detection limits for sub−slab, indoor and outdoor air samples; PCE concentrations were 16.963ugm−3 for sub−slab vapor sample and below detection limits for indoor and outdoor air and according to NYSDOH Indoor Air Matrix 2, "no further action" required for PCE.

DEC requires:
1) Clarification of 4/2011 Site Map for soil vapor. SV−1 put in legend and in Table of Analytical Results but SV−2 indicated inside storage room on Map.

Map Identification Number 206 **32 PRECINCT NYPD −DDC** **Spill Number: 9605198** **Close Date: 09/14/2000**
250 WEST 135TH STREET MANHATTAN, NY TT−Id: 520A−0092−341

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2380 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	INSTITUTIONAL, EDUC, GOV, OTHER	Spiller:	ANTHONY MARINO − NYC PD 32 PRECINCT		Spiller Phone: (212) 669−8286
Notifier Type:	Other	Notifier Name:	BRENDA HANNA		Notifier Phone: (716) 856−5636
Caller Name:	BRENDA HANNA	Caller Agency:	URS CONSULTANTS		Caller Phone: (716) 856−5636
DEC Investigator:	JMKRIMGO	Contact for more spill info:	ANTHONY MARINO		Contact Person Phone: (212) 669−8286

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/01/1995		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

TANK CLOSURE BY TONE TANK AND PUMP IN OCTOBER OF 95 − RESULTS FROM SOIL SAMPLES SHOWED CONTAMINATION

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "KRIMGOLD"
CONTAMINATED SOIL WAS REMOVED. SEE ISRP.

Map Identification Number 207 **MANHOLE 57772** **Spill Number: 0209867** **Close Date: 08/18/2009**
12TH AV/NW 135TH ST MANHATTAN, NY TT−Id: 520A−0101−681

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2398 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: 12TH AVE / 135TH ST
Revised zip code: 10030

Source of Spill:	UNKNOWN	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Other	Notifier Name:	MR MULDOON	Notifier Phone:	(212) 580−6763
Caller Name:	ANDREW MORRIS	Caller Agency:	CON EDISON	Caller Phone:	(212) 580−6763
DEC Investigator:	JMKRIMGO	Contact for more spill info:	ANDREW MORRIS	Contact Person Phone:	(212) 580−6763

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/29/2002		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

CON ED 146512. CLEAN UP IN PROGRESS. 1 GAL MIXED WITH 400 GAL OF WATER.

DEC Investigator Remarks:

08/18/09 − See eDocs for Con Ed report detailing cleanup and closure.

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "RODRIGUEZ"
E2MIS 146512

R . Allen # 10800 of manhattan fod reported to J.Moran 01182 that 05:15 hrs at the location of M57772 @ n/w/c W 135 St & 12 Ave working on feeder 2m28 found approx 1 gal of unknown substance with 400 gallons of water. The source and the cause are unknown.

There was no fire or smoke involved. There were no injuries related to the spill. Weather conditions did not contribute to the hazard of the spill. There is no evidence of release to sewer or waterways. There is standing water but no visual movement. Spill tag # 33499 was installed. Two liquid samples were taken one for PCB and one for oil I.D. on a priority E basis. Chain of custody form # BB06962 was used. The spill is contained.

Account# f3243 is being used. Cleanup pending Chem. Lab results since it is an unknown substance.

C.I.G A.Morris #85791 notified @ 07:02

UPDATE 12/29/02 12:12 hrs

Aroclor 1242 < 1.0 ppm EPA 608/8082

Aroclor 1254 < 1.0 ppm EPA 608/8082

Aroclor 1248 < 1.0 ppm EPA 608/8082

Aroclor 1260 < 1.0 ppm EPA 608/8082

Update 12−30−02 @ 05:30

Lab Sequence Number: 02−12110−001 Date Approved: 12/30/2002

E2 Incident Number: 146512 Date Received: 12/29/2002

Chain of Custody ID: AA21235 Date Sampled: 12/29/2002

Flash Point, COC > 140 deg F ASTM D92−01

Aroclor 1242 < 1.0 ppm EPA 608/8082

Aroclor 1254 < 1.0 ppm EPA 608/8082

Aroclor 1248 < 1.0 ppm EPA 608/8082

12/30/02 12:00 M. Demodna # 19654 Underground cleanup supervisor called to report that the cleanup is completed 100% at this time.

There was 1 bag of ppe generated with this cleanup.

There was 1,700 gallons of liquid removed from this structure.

The structure was double washed with slix & rinsed down with a flush truck.

Map Identification Number 208 **JUAN MARRERO** **Spill Number: 9900357** **Close Date: 01/13/2000**
2248 7TH AVENUE NEW YORK CITY, NY TT−Id: 520A−0093−401

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2445 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: 2248 ADAM C POWELL BLVD
Revised zip code: NO CHANGE

Source of Spill:	UNKNOWN	Spiller:	ROBERT CABASSA − M & B TRUCKING	Spiller Phone:	(718) 328−3275
Notifier Type:	Responsible Party	Notifier Name:	FREDDY IRVING	Notifier Phone:	(718) 328−3275
Caller Name:	ROBERT CABASSA	Caller Agency:	M & B TRUCKING	Caller Phone:	(718) 328−3275
DEC Investigator:	O'DOWD	Contact for more spill info:	JUAN MARRERRO	Contact Person Phone:	(212) 234−7083

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/09/1999		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	5.00	GALLONS	5.00	GALLONS	SOIL

Caller Remarks:

Caller is getting information from his driver. The only data he is aware of at this point is that 5 gallons of fuel oil are spilled on the sidewalk. Cleanup is in progress.

DEC Investigator Remarks: DEC INVESTIGATOR REMARKS NOT AVAILABLE FOR THIS SPILL ACCORDING TO THE LAST UPDATE.

The following DEC Investigator Remarks were available prior to 1/1/2002:

4/13/99 AT 2:00PM SPOKE TO ROBERT. HE SAID THEY ARE ON AN AUTOMATIC 2 WEEK DELIVERY. ITS A 1,100 GAL TANK, WHEN THEY DELIVERED 150 GAL OIL CAME OUT OF THE VENT (5GL) AND SPILLED ONTO A GRATING AND INTO THE BASEMENT. SWEET CLAIMS (PETER McMANUS) AWARE OF SITE. CALLED TRI−STATE AND EASTMOND, NEITHER DID THE CLEAN UPS.

4/13/99 AT 2:10PM LEFT MESSAGE FOR PETER McMANUS/SWEET CLAIMS 212 226−4500.

4/14/99 AT 11:40AM SPOKE TO PETERMACHTEMES/SWEET CLAIMS/HUNTS POINT FUEL COMPANY DID THEIR OWN CLEANUP. HE WENT TO THE SITE FRIDAY AT 4:00PM AND TOOK PICTURES. SIDEWALK, NO STAINING, COULDN'T GAIN ACCESS TO BASEMENT BUT MS. KIM 212 283−7581, OWNER OF BLDG. WAS SATISFIED WITH THE CLEANUP. NO DRAINS IMPACTED.

4/14/99 AT 11:55AM SPOKE TO MS. KIM/OWNER/ SHE SAID THE CLEANUP WAS DONE THAT DAY. NO OIL GOT INTO BASEMENT, ONLY ON SIDEWALK. ALL CLEANED UP.

Map Identification Number 209 **302 WEST 122TH ST.** **Spill Number: 9312851** **Close Date: 02/11/2003**
302 WEST 122TH ST. MANHATTAN, NY TT−Id: 520A−0093−160

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2447 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: 302 WEST 122ND ST
Revised zip code: 10027

Source of Spill:	PRIVATE DWELLING	Spiller:	UNK	Spiller Phone:	
Notifier Type:	Other	Notifier Name:		Notifier Phone:	
Caller Name:	RICH COARG	Caller Agency:	GROUND WATER TECHNOLOGY	Caller Phone:	(516) 472−4000
DEC Investigator:	SULLIVAN	Contact for more spill info:		Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/31/1994		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	−1.00	POUNDS	0.00	POUNDS	AIR

Caller Remarks:

GASOLINE ODOR IN THE BASEMENT − G.W. TECH. WILL INVESTIGATE TOMORROW. NO OTHER AGENCIES NOTIFIED.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 210 **XFMR IN VAULT TM 3229 HAS BOTTOM LEAK** **Spill Number: 0705711** **Close Date: 09/20/2007**
WEST 129 STREET & 7 AVENUE MANHATTAN, NY TT−Id: 520A−0102−559

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2455 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: ADAM C POWELL BLVD / W 129TH ST
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	CON EDISON	Spiller Phone:	
Notifier Type:	Other	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	gdbreen	Contact for more spill info:	ERT DESK	Contact Person Phone:	(212) 580−8383

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/17/2007		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
TRANSFORMER OIL	PETROLEUM	5.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

CALLER REPORTS 5 GAL SPILL ON 5 GAL OF WATER. NO TO QUESTIONS 1−4;YES TO 5. REF #207633.

DEC Investigator Remarks:

09/20/07 − See eDocs for Con Ed report detailing cleanup and closure.

207633. see eDocs

Map Identification Number 211 **CARIB AUTO SHOP** **Spill Number: 9600641** **Close Date: 04/15/1996**
1590 AMSTERDAM AVE MANHATTAN, NY TT−Id: 520A−0099−525

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2472 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	CARIB AUTO SHOP	Spiller Phone:	
Notifier Type:	Local Agency	Notifier Name:	ANONYMOUS	Notifier Phone:	
Caller Name:	SHANTEL	Caller Agency:	NYC DEP	Caller Phone:	(718) 595−6777
DEC Investigator:	MCTIBBE	Contact for more spill info:		Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/13/1996		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
MOTOR OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

repair shop dumping or letting oil flow out of the shop

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
DUMPING OR LETTING OIL FLOW INTO STREET. HANDLED BY DEP.

Map Identification Number 212 **IN FRONT OF** **Spill Number: 0410318** **Close Date: 12/27/2005**
1592 AMSTERDAM AVE. MANHATTAN, NY TT−Id: 520A−0099−524

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2472 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	UNKNOWN	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Affected Persons	Notifier Name:	CHRIS SHIKARIVES	Notifier Phone:	(212) 580−6763
Caller Name:	CHRIS SHIKARIVES	Caller Agency:	CON ED	Caller Phone:	(212) 580−6763
DEC Investigator:	GDBREEN	Contact for more spill info:	ERT DESK	Contact Person Phone:	(212) 580−8383

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/16/2004		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
ANTIFREEZE	OTHER	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

2 PINTS OF MATERIAL ON A GALLON OF WATER. MATERIAL IS ALL CONTAINED IN A MANHOLE # 24716. SOURCE IS BELIEVED TO BE FROM AN AUTOBODY SHOP. CON ED #156621

DEC Investigator Remarks:

e2mis 156621

Sean Henihan #16850, #9, reported at 15:57 hrs. that he found approx. 2 pints of possible antifreeze and 1 gallon of water in service box SB24716 located in front 1592 Amsterdam Ave & West 138th Street. The source of the antifreeze is an Auto Body Shop adjacent to the service box and the cause is unknown. This is a possible third party spill. There was no fire involved, but there was smoke involved due to the burnouts in the structure. There was no sewer or waterway affected. There were no injuries related to the spill and no weather conditions contributed to the hazards of the spill. No private property was affected.
There is no oil filled equipment in the structure, no sewer connection, no concrete sump, no visual water movement, no sump pump and no substantial cracks. There is standing water but no movement of the water. Liquid samples will be taken on a priority "E" basis from the spill by Sean Henihan #16850 for PCB and ID for antifeeze. No initial cleanup action was taken. Cleanup is pending lab results since a vendor may have to perform the cleanup.

Update: 12/16/04 @ 17:33 hrs. Sean Henihan #16850 reported at 17:30 hrs. that he installed Environmental Spill Tag #00663 and issued Chain of Custody #AA21643 for the samples.

Dec. 17. 2004
Lab Sequence Number: 04−10489−001 MATRIX: LIQUID GRAB Antifreeze Contamination Present

Update: 2/15/05
Manhattan Environmental Desk made arrangements with Allstate PowerVac to clean this structure on 2/3/05.

>>>>INSERT 2/15/05 >>>>>>>>
Eddie Cox #18594, Operating Supervisor UG North, reported at 09:30 hrs. on 2/3/05 that this service box is in front of an autoparts store. He stated that this is the possible source of the antifreeze.

Update: 2/15/05 @ 16:29 hrs.
Eddie Cox #18594, Oper. Supervisor UG North, reported at 11:38 hrs. on 2/3/05 that the cleanup was completed. No solids were

removed. Approx. 100 gallons of water and antifreeze mixed was removed by the Vactor truck from Allstate PowerVac. The structure was double washed with Citrus Clean. The cleanup was performed by Allstate PowerVac. Environmental tag #00663 was removed. The source of the spill was identified as possibly the autoparts store in front of the service box. The cleanup was completed at 10:45 hours on 2/3/05.

Map Identification Number 213 **FORMER SHELL GAS STATION** **Spill Number: 1001594** **Close Date: 07/06/2010**
235 ST NICHOLAS AVE MANHATTAN, NY TT−Id: 520A−0253−785
CORNER OF WEST 122ND ST

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2473 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: 235 SAINT NICHOLAS AVE
Revised zip code: NO CHANGE

Source of Spill:	GASOLINE STATION	Spiller:	FORMER GAS STATION	Spiller Phone:	
Notifier Type:	Other	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	hrpatel	Contact for more spill info:	PETE CHEN	Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
05/11/2010		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	4.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

contaminated soil found at old gas station

DEC Investigator Remarks:

Sangesland spoke to Pete Chen of city DEP. He said they were called to the site by complaints of petroleum odor. Area was fenced off, but there was a large puddle of oil in the center of the lot.
Property owner is MOTIVA ENTERPRISES LLC
Motiva Environmental manager: John Sexton 713−241−1507
Cross Ref PBS#2−190810

6/3/2010 Sangesland heard back from John Sexton at Motiva(Shell). He said they pulled tanks from the site within the last year and had an argument with the property owner. They believe someone opened the gates and dumped petroleum on the surface to create a new problem at the site. Motiva has hired a company to come in and dig out the contaminated soil. New end point samples were taken and a complete new closure report will be submitted when the results come back.
Site contact for Motiva is: Robe Rule 540−943−8468

07/02/10−Hiralkumar Patel. found case assigned to me. letter has not been sent out yet.

07/06/10−Hiralkumar Patel.
2:03 PM:− spoke with Mr. Rule. he mentioned that report was submitted to DEC Piper under spill #: 0702470.
received report from DEC Piper. surface spill was found in May. site developer hired contractor to remove soil. excavated 8 ft by 8 ft area to 3 ft depth. collected two endpoint samples. no contamination in endpoint samples.

based on submitted report, case closed.

refer to spill #: 0702470.

Based on the information provided by the consultant Charles Sosik (Environmental Business Consultants) this spill was reopened.

Map Identification Number 214 **SHELL GAS STATION** **Spill Number: 0702470** **Close Date: 10/26/2007**
235 ST NICHOLAS AVE NEW YORK, NY TT−Id: 520A−0099−615

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2473 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: 235 SAINT NICHOLAS AVE
Revised zip code: 10027

Source of Spill:	GASOLINE STATION	Spiller:	DAWN VOUGHT − SHELL GAS STATION	Spiller Phone:	(914) 494−4808 ext. C
Notifier Type:	Other	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	rmpiper	Contact for more spill info:	DAWN VOUGHT	Contact Person Phone:	(914) 494−4808 ext. C

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
05/30/2007		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

DURING TANK WORK FOUND CONTAMINATED SOIL: UNTOP OF UNLEADED REGULAR TANK:

DEC Investigator Remarks:

DEC Piper spoke W. Dawn Vought. They are currently relining and retesting the tank and came accross cont. soil. Piper sent CSL.

8/3/07 − Austin − Transferred from Vought to Piper for further review and action − end

10/26/07− DEC Piper received and reviewed closure request. Since the soils uncovered were only pea gravel no soil sample was submitted. GES proposed to collect gw samples from the three existing mw's. Though there were slight exceedances in a few VOC's, Motiva under CO, will be removing the tank within 27 months. This spill closed. See e−docs if warranted.

5/10/2010− DECPiper received and reviewed Tank Abandonment Assessment Report. According ot the report, GES abandoned the three (3) 4,000 gallon ust's in place and removed product piping and dispensers. Soil sampling of the the propduct lines revealed results below RSCO's. Additionally, the 280 gal waste oil AST and 280 gal fuel oil AST were removed. Investigation incomplete as no samples were collected from tank field. DEC Piper spoke with DEC Caruso regarding additional requirements.
Report in edocs.

5/11/2010− Spill 1001594 was called into the hotline. Potential buyer performed geotechnical work on site. Stock pile of soil was left containing petroleum odor. Shell was notified. GES was contracted to remove stockpile, digout any additional contamiantion, and collect endpoint samples. Endpoints below TAGM, 1001594 spill closed. See edocs.

7/23/2010− DECPiper received SIR dated 7/21/10. Three borings were conducted around former tank field. MW−6, SB−7, MW−8. As per soil analytical all VOC's below TAGM and all SVOC's below TAGM EXCEPT for benzo(a)anthracene and benzo(b)fluoranthene at MW−6. Existing wells 1−5 and newly installed wells 6 & 8 were sampled. VOC's were non detect in MW 1−4, 6 & 8. MW−5 had total VOC at 80 ppb. Isopropyl Benzene− 25ppb, 1,3,5 trimethylbenzene− 24ppb, n−propylbenzene− 25ppb, sec−Butylbenzene− 6ppb. SVOC's were non detect at all well locations. Based on work to date and analytical, nfa is granted. Spill remains closed. see edocs if warranted.

9/2010− DECPiper received call from tennant (Samantha Deutch− 646−732−9717) of neighboring property. She indicated that gasoline was present in the building. I responded to site. I inspected the basement and saw no indication of gasoline. PID readings were 0.0 ppm. I spoke with caller and she indicated to me it was in the stairwell on the first floor. I inspected area and found the area to be above grade. The staining on the painted brick surface appears to be oxidation of some sort and not benzene as indicated by caller. Case remains closed.

Map Identification Number 215 **SHELL SERVICE #13876** **Spill Number: 0411345** **Close Date: 02/02/2006**
235 ST NICHOLAS AVE NEW YORK, NY TT−Id: 520A−0099−612

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2473 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: 235 SAINT NICHOLAS AVE
Revised zip code: NO CHANGE

Source of Spill:	GASOLINE STATION	Spiller:	MATT SCHNICK − SHELL SERVICE #13876	Spiller Phone:	(631) 979−5946
Notifier Type:	Other	Notifier Name:	MATTHEW ABBOTT	Notifier Phone:	(631) 979−5946
Caller Name:	MATTHEW ABBOTT	Caller Agency:	NORTHEAST ENVIR.	Caller Phone:	(631) 979−5946
DEC Investigator:	KMFOLEY	Contact for more spill info:	MATT SCHNICK	Contact Person Phone:	(631) 979−5946

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/19/2005		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	GROUNDWATER

Caller Remarks:

CONTAMINATED SOIL CAME BACK:

DEC Investigator Remarks:

contaminated soil letter (csl) sent 1/28/2005 to Motiva

3/23/05 − reassigned to Randy Austin per today meeting. HEating oil spill only. KST

Reassigned to Ed Rossan temporarily, until decsion made about permanent reassignment. no action will be taken until that is done

2/2/06 Reassigned from Rossan to Foley. Reviewed UST closure report for one 550gal heating oil tank(2/10/05, Northeast Environmental Solutions) and followup groundwater sampling data(3/31/05, NES). Elevated SVOCs were detected in post−excavation soil samples. North wall had highest concentrations but all were above RSCOs for at least seven compounds.

Groundwater samples were collected in 1/05 from existing MWs. No impacts to groundwater were detected. Contaminated soils remain in place around the former 550gal heating oil tank located east of the on−site building.

Map Identification Number 216 **TM #1893** **Spill Number: 0503050** **Close Date: 04/05/2006**
WEST 131ST STREET AND 7TH MANHATTAN, NY TT−Id: 520A−0102−335

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2483 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: W 131ST ST / ADAM CLAYTON POWELL JR BLVD
Revised zip code: NO CHANGE

Source of Spill:	UNKNOWN	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Affected Persons	Notifier Name:	LARRY COSTA	Notifier Phone:	(212) 580−6763
Caller Name:	LARRY COSTA	Caller Agency:	CON ED	Caller Phone:	(212) 580−6763
DEC Investigator:	JHOCONNE	Contact for more spill info:	ERT DESK MIKE DAUGHTERY	Contact Person Phone:	(212) 580−8383

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/13/2005		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SURFACE WATER

Caller Remarks:

PRODUCT ON 2,000 GALLONS OF WATER. DOES NOT TO APPEAR THAT SEWERS OR WATERWAYS WERE AFFECTED. NO SMOKE OR FIRE. CLEAN UP IS PENDING SAMPLE RESULTS.

DEC Investigator Remarks:

4/5/05 − See e−docs for spill closure documentation. (JHO)

Map Identification Number 217 **MANHOLE 44896** **Spill Number: 9908670** **Close Date: 02/22/2002**
W 128TH ST & 7TH AV MANHATTAN, NY TT−Id: 520A−0101−458

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2483 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: W 128TH ST / ADAM CLAYTON POWELL JR BLVD
Revised zip code: 10027

Source of Spill:	UNKNOWN	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Affected Persons	Notifier Name:	MR CROWE	Notifier Phone:	
Caller Name:	FRANK MASSERIA	Caller Agency:	CON EDISON	Caller Phone:	(212) 580−6763
DEC Investigator:	COMENALE	Contact for more spill info:		Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/17/1999		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

1/2 gallon of unk oil − will sample material − clean up pending lab results − ref #128481

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 218 **COLUMBIA COLLEGE DORM** **Spill Number: 0613689** **Close Date: 03/23/2007**
531 WEST 120TH STREET BRONX, NY TT−Id: 520A−0098−280

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2484 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 10027

Source of Spill:	COMMERCIAL VEHICLE	Spiller:	TONY PERETTA − ANCHOR TRANSIT CORP	Spiller Phone:	(718) 932−9075 ext. 2
Notifier Type:	Other	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	smsanges	Contact for more spill info:	TONY PERETTA	Contact Person Phone:	(718) 932−9075 ext. 2

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
03/22/2007		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	8.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

A DECK ON TRUCK HOSE CRACKED AND IT SPRAYED AND IN PROCESS OF CLEANING UP NO DRAINS ECT.

DEC Investigator Remarks:

minor spill − all cleaned

Map Identification Number 219 **APT BLDG** **Spill Number: 0510728** **Close Date: 04/20/2006**
35 HAMILTON PLACE MANHATTAN, NY TT−Id: 520A−0101−171

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2509 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	PRIVATE DWELLING	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Fire Department	Notifier Name:	BATTALION CHIEF 18	Notifier Phone:	(212) 570−4300
Caller Name:	DISP 183	Caller Agency:	FDNY−MANHATTAN	Caller Phone:	(212) 570−4300
DEC Investigator:	SFRAHMAN	Contact for more spill info:		Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/14/2005		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	200.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

Caller reports a spill in the basement of the apt building. Unknown cause at this time. Caller had no further information.

DEC Investigator Remarks:

12/14/05−Sharif// I responded to the site this morning after I received the call.About 200 gallons #6 oil spilled on the boiler room floor due to an unclosed valve that was kept open by the super after he had cleaned the filter on oil line to the boiler. Northeast Environmental,Joe Ostrowski,914−777−1930) has been hired to clean up the spill and do remediation if it has impacted the soil.The tank is 5000 gallons capacity UST and spill has not impacted the tank room.
03/21/06 Sharif Rahman− Joe Ostrowski no longer works for North East. I spoke with Dwayne Monaco,914−777−1930 of North East− he is looking for the files and will get back to DEC soon.
03/28/06 Sharif Rahman− Rec'd a clean up statement from North East Environmental.Documents are not sufficient to close out the case. I spoke with Mr. Costanja and asked to provide DEC subsurface investigation report in the boiler room. A letter was sent to
Chestnut Holding
5676 Riverdale Avenue−Suite # 307
Bronx, NY 10471
Attn: Jerry Costanja,Fax:(718)543−8600.
04/20/06 Sharif Rahman− Rec'd invoice, bill and photographs of the cleaned site.NFA required.

Map Identification Number 220 **207 CONVENT AVE** **Spill Number: 9614561** **Close Date: 08/14/2012**
207 CONVENT AVE MANHATTAN, NY TT−Id: 520A−0097−082

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2522 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	UNKNOWN	Spiller:	452 CONVENT AVENUE	Spiller Phone:	
Notifier Type:	Affected Persons	Notifier Name:	AL JACK	Notifier Phone:	(212) 423−9802
Caller Name:	AL JACK	Caller Agency:	312 EAST 93RD ST	Caller Phone:	(212) 423−9802
DEC Investigator:	SFRAHMAN	Contact for more spill info:	AL JACK	Contact Person Phone:	(212) 423−9802

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
03/18/1997		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

CALLER STATED THAT AN UNK SUBSTANCE IS ENTERING HIS HOUSE AND POSSIBLY COMMING FROM THE ADJACENT BUILDING.

DEC Investigator Remarks:

1/25/06−Jacob− Private residence and nobody at home during work hour.Regional office should send somebody to investigate report.

3/31/09 − Austin − Transferred from Needs Reassignment to Rahman for further work to remeidate and close − end

** Notifier Mr. Al Jack could not be contacted. The spill report did not specify any petroleum product spill.Due to lack of authentic information about any petroleum spill, the case is closed.(sr) **

Map Identification Number 221 **212680; W 121 ST AND BROADWAY** **Spill Number: 0814315** **Close Date: 09/17/2008**
W 121 ST AND BROADWAY NEW YORK, NY TT−Id: 520A−0248−625

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2526 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: W 121ST ST / BROADWAY
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	ERT DESK − CON EDISON	Spiller Phone:	
Notifier Type:	Responsible Party	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	DMPOKRZY	Contact for more spill info:	ERT DESK	Contact Person Phone:	(212) 580−8383

Category: Possible petroleum release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters, known releases with no potential for damage, or non−petroleum/non−hazardous spills.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/22/2008		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	UTILITY

Caller Remarks: NO REMARKS GIVEN FOR THIS SPILL

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 222 **136TH ST & RIVERSIDE DR** **Spill Number: 9610009** **Close Date: 11/11/1996**
136TH ST & RIVERSIDE DR MANHATTAN, NY TT−Id: 520A−0094−491

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2534 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: W 136TH ST/RIVERSIDE DR
Revised zip code: NO CHANGE

Source of Spill:	UNKNOWN	Spiller:	UNK	Spiller Phone:	
Notifier Type:	Fire Department	Notifier Name:	NYC FD	Notifier Phone:	
Caller Name:	GARDNER	Caller Agency:	NYC FD HAZ MAT	Caller Phone:	(914) 769−0484
DEC Investigator:	TOMASELLO	Contact for more spill info:		Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/11/1996		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	50.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

unk cause of spill − fd called to scene of oil on roadway

speedri put down dept of sanitation will clean up

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 223 **W 136TH ST/RIVERSIDE AVE** **Spill Number: 9610007** **Close Date: 11/11/1996**
W 136TH ST/RIVERSIDE AVE MANHATTAN, NY TT−Id: 520A−0092−936

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2534 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: W 136TH ST/RIVERSIDE DR
Revised zip code: 10031

Source of Spill:	UNKNOWN	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Local Agency	Notifier Name:	MR PINKUS	Notifier Phone:	(212) 374−5500
Caller Name:	GWEN HAWKINS	Caller Agency:	DEP	Caller Phone:	(718) 595−6777
DEC Investigator:	TOMASELLO	Contact for more spill info:	MR PINKUS	Contact Person Phone:	(212) 374−5500

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/11/1996		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	30.00	GALLONS	0.00	GALLONS	SEWER

Caller Remarks:

caller was given very little info about spill

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 224 **SPILL NUMBER 9912736** **Spill Number: 9912736** **Close Date: 02/17/2000**
224 W 135TH ST NEW YORK, NY TT−Id: 520A−0092−708

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2561 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING | Spiller: THEODORE ANDERSON − THEODORE ANDERSON | Spiller Phone: (212) 690−0525
Notifier Type: Other | Notifier Name: LAURIE GRAF | Notifier Phone: (516) 686−2042
Caller Name: LAURIE GRAF | Caller Agency: PETRO OIL | Caller Phone: (516) 686−2042
DEC Investigator: MCTIBBE | Contact for more spill info: THEODORE ANDERSON | Contact Person Phone: (212) 690−0525

Category: Possible petroleum release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters, known releases with no potential for damage, or non−petroleum/non−hazardous spills.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/08/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

STAIN ON CONCRETE

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "M TIBBE"
CLEANED BY OIL CO.

Map Identification Number 225 **GRANTS TOMB** **Spill Number: 0011463** **Close Date: 08/26/2003**
GRANTS TOMB NEW YORK, NY TT−Id: 520A−0096−488

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2576 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: VESSEL | Spiller: BARGE | Spiller Phone:
Notifier Type: Other | Notifier Name: | Notifier Phone:
Caller Name: MARK HAM | Caller Agency: TIM MARITIME | Caller Phone: (917) 374−2416
DEC Investigator: SIGONA | Contact for more spill info: MARK HAM | Contact Person Phone: (917) 374−2416

Category: Possible petroleum release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters, known releases with no potential for damage, or non−petroleum/non−hazardous spills.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/23/2001		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	60.00	GALLONS	0.00	GALLONS	SURFACE WATER

Caller Remarks:

DRILL *****DRILL ******DRILL ******

CLEAN UP AND HAZMAT TEAMS ENROUTE. SPILL CAUSED BY A BROKEN SEAL

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 226 **UNK** **Spill Number: 9405172** **Close Date: 10/03/1997**
232 W. 136TH ST. MANHATTAN, NY TT−Id: 520A−0093−609

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2607 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	UNKNOWN	Spiller:	UNK	Spiller Phone:	
Notifier Type:	Other	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	UNASSIGNED	Contact for more spill info:		Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/15/1994		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN MATERIAL	OTHER	0	POUNDS	0	POUNDS	AIR

Caller Remarks: NO REMARKS GIVEN FOR THIS SPILL

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "XX"
SPILL CLOSED DUE TO INSUFFICIENT DATA.

Map Identification Number 227 **MANHOLE #44873** **Spill Number: 0010878** **Close Date: 05/30/2001**
W 126TH ST & 7TH AV MANHATTAN, NY TT−Id: 520A−0101−460

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2615 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: W 126TH ST / ADAM CLAYTON POWELL JR BLVD
Revised zip code: NO CHANGE

Source of Spill:	UNKNOWN	Spiller:	UNKNOWN − UNKNOWN	Spiller Phone:	
Notifier Type:	Local Agency	Notifier Name:	ME PELLOGRINO	Notifier Phone:	
Caller Name:	BILL MURPHY	Caller Agency:	CON EDISON	Caller Phone:	(212) 580−6763
DEC Investigator:	JHOCONNE	Contact for more spill info:	BILL MURPHY	Contact Person Phone:	(212) 580−6763

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/03/2001		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

2 qts on 150 gals of water − sample taken for pcb & id − clean up pending lab results

con ed #134964 − no private property − no fire or smoke

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"

CON ED E2MIS REPORT 3−01−01

Approx. 2qts. of unknown oil and approx. 150 gals. of water found in MH 44873. Source and cause unknown. There was standing water but no visual movement. Conduit plate verified no sewre connection. Samples for PCB & ID were taken.Tried to diaper the oil using oil absorbent pads but there was too much oil.

LSN 01−00045

Arcolor none;PCb ,1.00ppm

Analysis indicates the sample is similar to lubricating fluid.

Cleanup completed at 18:00 on 1−04−01

Type: <50

Solid Amount: 4 barrels PPE & solid waste

Double washed with degreaser, scrubbed & debris takenout, tanker took about 3900 gals. of water & about 2gals. of oil from an unknown source.

Spill source : unknown

CLOSED STATUS HAZARDOUS SPILLS − MISC. SPILL CAUSES − EQUIPMENT FAILURE, HUMAN ERROR, TANK OVERFILL, DELIBERATE SPILL, TRAFFIC ACCIDENT, HOUSEKEEPING, ABANDONED DRUM, VANDALISM AND STORMS − WITHIN 1/2 MILE SEARCH RADIUS.
All spills mapped and profiled within 1/8 mile. Between 1/8 mile and 1/2 mile search radius, spills reported to be greater than 100 units and spills reported in the NYSDEC Fall 1998 MTBE Survey are mapped and profiled. Spills reported to be less than 100 units are listed in a table at the end of this section.

Please Note: * − Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 228 **AMSTERDAM BUS DEPOT** **Spill Number: 9907728** **Close Date: 11/12/2003**
1381 AMSTERDAM AV MANHATTAN, NY TT−Id: 520A−0099−463

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 239 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL VEHICLE	Spiller:	CALLER − NYC TRANSIT	Spiller Phone:	(718) 927−7777
Notifier Type:	Responsible Party	Notifier Name:	PASHKO CAMAJ	Notifier Phone:	(718) 243−4851
Caller Name:	PASHKO CAMAJ	Caller Agency:	NYC TRANSIT −ASSISTED SAF	Caller Phone:	(718) 243−4851
DEC Investigator:	MCTIBBE	Contact for more spill info:	PASHKO CAMAJ	Contact Person Phone:	(718) 243−4851

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/26/1999		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
LUBE OIL	PETROLEUM	6.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

A LINE RUPTURED ON A BUS, OIL SPILLED TO THE GROUND AND MAY HAVE ENETERD A SEWER LINE − CLEAN UP CREW ON SITE

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
Ruptured line on bus. some entered the sewer. NYCT hired Allstate to clean.

Map Identification Number 229 **AMSTERDAM BUS DEPOT − NYCT** **Spill Number: 9905017** **Close Date: 01/31/2006**
1381 AMSTERDAM AVENUE MANHATTAN, NY TT−Id: 520A−0099−464

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 239 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	RAMON PAEZ − AMSTERDAM DEPOT	Spiller Phone:	(718) 243−4581
Notifier Type:	Responsible Party	Notifier Name:	MR MAXWELL	Notifier Phone:	(718) 927−7777
Caller Name:	RAMON PAEZ	Caller Agency:	NEW YORK CITY TRANSIT	Caller Phone:	(718) 243−4581
DEC Investigator:	MCTIBBE	Contact for more spill info:	RAMON PAEZ	Contact Person Phone:	(718) 243−4581

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/27/1999		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
HYDRAULIC OIL	PETROLEUM	200.00	GALLONS	200.00	GALLONS	SOIL

Caller Remarks:

equipment failure on a bus lift − spill contained inside a vault and it is being pumped out into barrels for disposal

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
see also 9−05007.

01/31/06: Refer to 9903475.

Map Identification Number 230 **AMSTERDAM BUS DEPOT − NYCT** **Spill Number: 9904206** **Close Date: 01/31/2006**
1381 AMSTERDAM AVENUE MANHATTAN, NY TT−Id: 520A−0099−462

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 239 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	NYC TRANSIT AUTHORITY	Spiller Phone:	
Notifier Type:	Responsible Party	Notifier Name:		Notifier Phone:	
Caller Name:	JOSEPHINE BROWN	Caller Agency:	NEW YORK CITY TRANSIT AUT	Caller Phone:	(718) 243−4581
DEC Investigator:	MCTIBBE	Contact for more spill info:	SANGIVE KURAY	Contact Person Phone:	(718) 927−8219

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/09/1999		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
HYDRAULIC OIL	PETROLEUM	15.00	GALLONS	15.00	GALLONS	SOIL

Caller Remarks:

CALLER STATES THAT ONE OF THE HOLDING TANKS FOR THE FLUID HAD A LINE BREAK CAUSING THE SPILL. CREWS ARE ON SCENE TO CLEAN UP.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"

01/31/06: Refer to 9903475.

Map Identification Number 231 **AMSTERDAM BUS DEPOT − NYCT** **Spill Number: 9903475** **Close Date: 01/31/2006**
1381 AMSTERDAM AVENUE MANHATTAN, NY TT−Id: 520A−0099−461

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 239 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	HOWIE MAPZA − NYCTA	Spiller Phone:	(718) 243−4581
Notifier Type:	Responsible Party	Notifier Name:	SANJIV KURAY	Notifier Phone:	(718) 243−4581
Caller Name:	HOWIE MATZA	Caller Agency:	NEW YORK CITY TRANSIT	Caller Phone:	(718) 243−4581
DEC Investigator:	MCTIBBE	Contact for more spill info:	HOWIE MAPZA	Contact Person Phone:	(718) 243−4581

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/23/1999		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
HYDRAULIC OIL	PETROLEUM	150.00	GALLONS	125.00	GALLONS	SOIL

Caller Remarks:

BROKEN LINE

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"

01/31/06: See also 9904206 & 9905017. Three spills called in about leaking hydraulic lift systems. The depot had three lifts with resevoir tanks; each resevoir tank was contained in a concrete vault and each lift had a concrete pit under it. Allpiping associated with these lifts were contained in the vault or the pits. NYCT had no information about this secific spills. A site visit was performed on 07/26/05. Product, water and sediment was discovered in the pits and the vaults. NYCT was directed to clean the pits and the vaults and to determine if they were completely concrete. This work was performed in September and October of 2005. Revisited the site on 12/28/05. Pits and vaults were cleaned and the concrete appeared to be competent.

Map Identification Number 232 **AMSTERDAM BUS DEPOT** **Spill Number: 9814087** **Close Date: 04/20/2004**
1381 AMSTERDAM AVE MANHATTAN, NY TT−Id: 520A−0099−460

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 239 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	MR NELSON − NYCTA	Spiller Phone:	(212) 690−9602
Notifier Type:	Other	Notifier Name:	BRIAN BENNINGER	Notifier Phone:	
Caller Name:	HOWIE MATZA	Caller Agency:	NY CITY TRANSIT	Caller Phone:	(718) 243−4581
DEC Investigator:	MCTIBBE	Contact for more spill info:	HOWIE MATZA	Contact Person Phone:	(718) 243−4581

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.

Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/20/1999		HUMAN ERROR	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SEWER

Caller Remarks:

DELIVERY WAS MADE TO THE WRONG TANK WITHIN THE DEPOT. POSSIBLY 1 HUNDRED GALLONS OR MORE. ENTERED THE CITY SEWER SYSTEM. DELAY IN THE SPILL REPORTING DUE TO NO CONFIRMATION OF THE SPILL UNTIL NOW.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
2/22/99 mmm:FAXED TO ECS AND SPOKE WITH PRAVIN PATEL. RAY− NYC TRANSIT CONTRACTOR ON BOARD ALLSTATE. LESS THAN 100 GLS. SOME INTO OWS, CONTRACTOR ARRIVED 2 HOURS AGO, FILLED 4k AST− OVERFILLED− PRODUCT WENT INTO CONTAINMENT AREA, ONTO FLOOR AND INTO THROUGH.

2/22/99 mmm: ON SITE AT 16:30 INTERVIEWED MIKE NELSON, MTA.

CASTLE OIL CAME TO SITE ON 2/20 WITH FULL LOAD TO DELIVER. TA LINE SUPERVISOR AT THE TIME DIRECTED CASTLE TO HOOK UP AND DELIVER TO 4,000 GALLON AERO AST. FILL PORT LOCATED NEXT TO DIESEL ASTS AND TANKS WERE LOCATED NEXT TO THE BUS WASH AREA IN THE CENTER REAR PORTION OF THE GARAGE. ACCORDING TO A COPY OF CASTLE DELIVERY TICKET # 38996 DATED 2/20/99, TRUCK #105, DRIVER JM, DELIVERED 5,557 GALLONS OF #4 FUEL OIL TO THE 4,000 GALLON AST. TA LINE SUPERVISOR THOUGHT THAT THE AST STILL HAD A CONNECTION TO A 15,000 GALLON FUEL OIL TANK IN THE BASEMENT OF THE FACILITY. THE LINE WAS DISCONNECTED WHEN A NEW FILL FOR THE 15,000 GALLON TANK WAS PUT INTO SERVICE. AS A RESULT, THE 4,000 GALLON TANK WAS OVERFILLED BY 1557 GALLONS. TA LINE SUPERVISOR CHECKED TANK IN BASEMENT AND DID NOT SEE ANY RISE IN OIL LEVEL. MTA CONTROL CENTER CONTACTED AT 14:00 HOURS ON 2/20 OF A FIVE GALLON RELEASE. TANK HAD 4" OERVHEAD FILL LINE AND 2" VENT LINE, INDICATING THAT TANK MAY HAVE BEEN PRESSURIZED WHEN OVERFILLED. SEAMS ON TANK STAINED. PRIMARY TANK HAD SIPHON CONNECTION TO SECONDARY CONTAINMENT FROM END MANWAY. SIPHON MOVED MOST OF OVERFILL INTO SECONDARY CONTAIMENT HOWEVER, OIL WAS SEEPING OUT FROM UNDER SECONDARY CONTAIMENT, WHICH MAY HAVE STARTED LEAKING DUE TO PRESSURIZATION DURING OVERFILL. SEEPAGE MADE ITS WAY INTO FLOORDRAINS BUT WAS CONTAINED WITH SORBENT SAUSAGE (PIGS). TA IN PROCESS OF DRAINING OIL FROM SECONDARY CONTAIMENT AND PRIMARY TANK AND PLACING IT INTO 15,000 GALLON TANK IN BASEMENT. ALLSTATE

WILL CONTINUE CLEANUP OF DRAINAGE SYSTEM TOMORROW. MTA TOLD THAT THE TANK MUST BE TESTED AND RECERTIFIED IF THEY WISH TO CONTINUE TO USE IT. GAUGES ON THE #4 OIL AST, AND THE 2x4,000 GALLON DIESEL TANKS ARE ALL BROKEN, AND TANKS ARE GAUGED BY USING STICK READINGS.

***** LATE NOTIFICATION AND ERRORS IN REPORTING *****

11/3/03 − AUSTIN − REASSIGNED FROM MULQUEEN TO NYCTA MONITOR (TIBBE) − END

According to NYCT, Allstate completed the cleanup. Tank was subsequently taken out of service and evenytually removed on 03/2001.

Map Identification Number 233 **AMSTERDAM DEPOT** **Spill Number: 0110865** **Close Date: 07/23/2002**
1381 AMSTERDAM AV NEW YORK, NY TT−Id: 520A−0099−457

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 239 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL VEHICLE	Spiller:	AMSTERDAM DEPOT	Spiller Phone:	
Notifier Type:	Responsible Party	Notifier Name:	ANTHONY CAMBADELLA	Notifier Phone:	
Caller Name:	JAMES CRANDALL	Caller Agency:	NEW YORK CITY TRANSIT AUT	Caller Phone:	(718) 243−4581
DEC Investigator:	MCTIBBE	Contact for more spill info:	JAMES CRANDALL	Contact Person Phone:	(718) 243−4581

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/14/2002		HUMAN ERROR	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
ANTIFREEZE	OTHER	20.00	GALLONS	20.00	GALLONS	SOIL

Caller Remarks:

they are still investigating but at this point it appears that as they were priming buses this morning someone overfilled the antifreeze

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
Spill due to equipment failure. cleaned by NYCT.

Map Identification Number 234 **SPILL NUMBER 0305249** **Spill Number: 0305249** **Close Date: 03/30/2004**
AMSTERDAM AV/129TH ST MANHATTAN, NY TT−Id: 520A−0099−438

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 277 feet to the W

ADDRESS CHANGE INFORMATION
Revised street: AMSTERDAM AV / W 129TH ST
Revised zip code: UNKNOWN

Source of Spill:	COMMERCIAL VEHICLE	Spiller:	MR BONSIGNOIE − NYC TRANSIT AUTHORITY	Spiller Phone: (718) 927−7777
Notifier Type:	Responsible Party	Notifier Name:	BONSIGNOIE	Notifier Phone: (718) 927−7777
Caller Name:	ELLSA CHESSENA	Caller Agency:	NYC TRANSIT AUTHORITY	Caller Phone: (718) 243−4891
DEC Investigator:	MCTIBBE	Contact for more spill info:	BONSIGNOIE/NYC TRANSIT	Contact Person Phone: (718) 927−7777

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Any Type of RP Including No RP − No DEC Field Response − Corrective Action by Spill Response Not Required

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/18/2003		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

Leak from bus at above location. Speedy dry applied and cleanup is in progress at time of call.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
Spill of diesel due to a mechanical failure on a bus. All contained and cleaned by NYCT.

Map Identification Number 235 **MANHOLE #24661** **Spill Number: 9913598** **Close Date: 08/18/2009**
130TH ST & AMSTERDAM AVE MANHATTAN, NY TT−Id: 520A−0099−439

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 282 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: W 130TH ST / AMSTERDAM AVE
Revised zip code: 10027

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	CALLER − CON ED		Spiller Phone: (212) 580−6763
Notifier Type:	Responsible Party	Notifier Name:	MR CARROLL		Notifier Phone: (212) 580−6763
Caller Name:	WILLIAM MURPHY	Caller Agency:	CON ED		Caller Phone: (212) 580−6763
DEC Investigator:	JMKRIMGO	Contact for more spill info:	WILLIAM MURPHY		Contact Person Phone: (212) 580−6763

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
03/02/2000		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIELECTRIC FLUID	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

cleanup crew is on the way leak was from dist.feeder joint ref #130207

DEC Investigator Remarks:

08/18/09 − See eDocs for Con Ed report detailing cleanup and closure.

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"

Map Identification Number 236 **462 WEST 129TH STREET** **Spill Number: 9906065** **Close Date: 03/03/2003**
462 WEST 129TH STREET NEW YORK CITY, NY TT−Id: 520A−0092−637

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 348 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL Spiller: JOHN QUATRALE − BELL ATLANTIC Spiller Phone: (212) 338−7141
Notifier Type: Other Notifier Name: LEMONT ALSTON Notifier Phone: (718) 331−5003
Caller Name: BOB ARCARO Caller Agency: TONE TANK AND PUMP INC Caller Phone: (718) 331−5003
DEC Investigator: TOMASELLO Contact for more spill info: Contact Person Phone:

Category: Possible petroleum release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters, known releases with no potential for damage, or non−petroleum/non−hazardous spills.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/20/1999		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

CALLER IS REPORTING A RELEASE OF AN AIR VAPOR OF GASOLINE WHICH WAS DUE TO A MALFUNCTIONING HOSE NO CLEAN UP WAS PREFORMED DUE TO RELEASE IN THE AIR NO CALLBACK NECESSARY

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 237 **34 CONVENT AVE** **Spill Number: 0600235** **Close Date: 04/20/2006**
34 CONVENT AVE NEW YORK, NY TT−Id: 520A−0090−476

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 377 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	RYEBEN	Spiller Phone:	(212) 866−6816
Notifier Type:	Other	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	SFRAHMAN	Contact for more spill info:	RYEBEN	Contact Person Phone:	(212) 866−6816

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/07/2006		TANK OVERFILL	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	15.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

defective gauge

DEC Investigator Remarks:

04/07/06 Sharif Rahman− I spoke to Millie Lopez,(718)579−3413 and she said spill occured due to faulty gauge.Aprox. 7 gallons came out of the top of the tank and approx. 8 gallons spilled on side walk near ventline. Castle oil crews on site, doing clean up.
04/20/06 Sharif Rahman− I spoke with Ryeben,(212)866−7816 and he confirmed me they cleaned the spill very good.NFA required.

Map Identification Number 238 **WEST 128TH ST BET AMSTERD** **Spill Number: 9400456** **Close Date: 04/11/1994**
WEST 128TH ST BET AMSTERD MANHATTAN, NY TT−Id: 520A−0102−152

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (5)
Approximate distance from property: 416 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: W 128TH ST BETW AMSTERDAM & CONVENT
Revised zip code: 10027

Source of Spill:	UNKNOWN	Spiller:	UNK	Spiller Phone:	
Notifier Type:	Local Agency	Notifier Name:		Notifier Phone:	
Caller Name:	BETSY	Caller Agency:	DEP	Caller Phone:	(718) 595−6777
DEC Investigator:	KSTANG	Contact for more spill info:		Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/11/1994	04/11/1994	DELIBERATE	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
WASTE OIL/USED OIL	PETROLEUM	−1.00	UNKNOWN	0.00	UNKNOWN	SOIL

Caller Remarks:

REFERRED TO IWCS, DEP.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TANG"

Map Identification Number 239 **128TH ST AT** AMPSTERDAM AVE/AT DEAD ED MANHATTAN, NY **Spill Number: 9907713** **Close Date: 11/30/2004** TT−Id: 520A−0099−437

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 458 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: W 128TH ST / AMSTERDAM AVE
Revised zip code: 10027

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	NYCTA	Spiller Phone:	
Notifier Type:	Responsible Party	Notifier Name:		Notifier Phone:	
Caller Name:	CHARLENE SMITH	Caller Agency:	NYC TRANSIT	Caller Phone:	(718) 927−7777
DEC Investigator:	MCTIBBE	Contact for more spill info:	CHARLENE SMITH	Contact Person Phone:	(718) 927−7777

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/26/1999		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
MOTOR OIL	PETROLEUM	50.00	GALLONS	0.00	GALLONS	SEWER

Caller Remarks:

ruptured line on equipment caused 50 gal of oil to leak−some

materal was confined to a platform − but some did get into the

sewer system

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
TRANSFERED FROM COMENALE TO TIBBE ON 4/11/01.

11/30/04 − A wall hose ruptured spilling 50 gallons of motor oil on the depot floor and street. Area contained by Depot maintenance. NYCT has no further information about this spill.

Map Identification Number 240 **AMSTERDAM AVE & 128TH ST** **Spill Number: 9903597** **Close Date: 11/12/2003**
AMSTERDAM AVE & 128TH ST MANHATTAN, NY TT−Id: 520A−0093−034

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 458 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: AMSTERDAM AVE / W 128TH ST
Revised zip code: 10027

Source of Spill:	COMMERCIAL VEHICLE	Spiller:	HOWIE MATZA − TRANSIT AUTHORITY	Spiller Phone:	(718) 243−4581
Notifier Type:	Responsible Party	Notifier Name:	EMPLOYEE	Notifier Phone:	
Caller Name:	PAUL CAMAJ	Caller Agency:	SYSTEM SAFETY	Caller Phone:	(718) 243−4350
DEC Investigator:	MCTIBBE	Contact for more spill info:	CALLER	Contact Person Phone:	(718) 243−4350

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/29/1999		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
MOTOR OIL	PETROLEUM	7.00	GALLONS	7.00	GALLONS	SOIL

Caller Remarks:

CALLER REPORT BUS HIT SOMETHING AND LEAKED FROM THE PAN BURSTING ALL WAS CLEANED UP.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
3−3−03: Closed Due To The Nature / Extent Of The Spill Report.Transfered From Tomasello To Tibbe On 11/12/03.Bus Hit Road Debris Puncturing Oil Pan. No Impact To Sewers.

Map Identification Number 241 **APT BLDG** **Spill Number: 0902648** **Close Date: 11/25/2009**
1437 AMSTERDAM AVE MANHATTAN, NY TT−Id: 520A−0229−417

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 468 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	PRIVATE DWELLING	Spiller:	MILLIE LOPEZ − CASTLE OIL	Spiller Phone:	
Notifier Type:	Other	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	SFRAHMAN	Contact for more spill info:	MILLIE LOPEZ	Contact Person Phone:	(718) 579−3413

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/04/2009		HUMAN ERROR	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	5.00	GALLONS	0.00	GALLONS	

Caller Remarks:

CALLER STATES THAT DUE TO AN OVERFILL ABOUT 5 GALLONS SPILLED TO A TANK ROOM WHICH IS VAULTED AND ENCASED WITH CINDERBLOCKS. PRODUCT IS SEEPING UNDER THE BLOCKS AND INTO THE BASEMENT. CLEAN UP PENDING.

DEC Investigator Remarks:

Sangesland spoke to Millie at Castle. She said the tank overflowed during a fill and oil went down the side of the tank behind the cinderblock "wrap". Oil is coming out on the basement floor. Castle is working with the building property manager to repair/replace the gaskets at the top of the tank and open up the cinderblock to finish the cleanup.
Castle needs to submit documentation on repairs/cleanup.

06/09/09−Vought−Site visit by Vought. Vought met owners representative (Andy cell:917−731−3475 office:212−925−4840). Two spills occurred at site (one during this spill report date) and another approximately one month ago as per Andy and super (Mr. De LaCruz).

This spill: 0902648. Spill out of manyway of top of tank (tank is a 1500−gallon)cement wrapped tank with no weepholes. Contact between concrete grave and wall pulled away as well as contact between grave and floor and no signs of seepage out of tank grave indicating that this spill requires no further action.

Old Spill: Approximately one month ago: As per onsite super (De LaCruz) spill occurred one month ago. Oil company was Castle Oil. De LaCruz indicated that spill was overfill of onsite (1500−gallon) UST and resulting spill came out of vent pipe and impacted window box to basement super residence. Window box covered with debris so unsure if underlain by concrete or soil. Resulting spill came through basement window and also seeped through foundation wall under window and ran through basement. As per De LaCruz the driver at time of spill indicated that 700−gallons of #2 fuel was delivered however later when he spoke to Castle Office they indicated that 200 gallons was delivered (unknown spill amount). Impacted window box and foundation wall is located in the tankroom which is also used as kitchen (has refrigerator and stove) by super and his family (inluding 4 year old son). Vought observed weathered fuel oil seeping through wall, impacted concrete under lineoluem floor and strong fuel vapors. DeLaCruz indicated that at time of spill, driver and crew cleaned basement with absorbent pads however did not powerwash floor (suggesting that they were fully aware of spill and never reported it to DEC. Vought later spoke with Castle Oil (Rob Hill) and required below. Hill noted that on 3/31 approximately 700−gallons was delivered by Crystal Transportation (sub of Castle Oil). Hill would send someone out to site and return call to Rahman.

DEC possibly requires CSL with (to be determined by DEC Rahman):
1)submission of old delivery receipt
2)PBS registration of UST
3)removal of contaminted debris and possibly soil from fill pipe in windowbox (possible endpoint collection)
4)possible enforcement for failure to report
5)sealing of basement foundation wall
6)removal of lineoleum from basement floor and subsequent powerwash

06/11/09 Rec'd call from Rob Hill of Castle Oil. Rob Hill inspected the site and indicated that Castle Oil will do the clean up/power wash and epoxy painting of the wall next week.

Spill clean up letter was sent to

Morningside Realty Associate
507 W 186th Street#A4
New York, NY 10033

Castle Oil

290 Locust Avenue
Bronx, NY 10454
Attn: Rob Hill

I called Rob Hill to tell him that the letter went out today and they are required to clean up the spill immediately. Rob indicated that the bed in the basement has been removed and nobody is living in the basement now.(sr)

09/04/09 No response rec'd from the management.Spoke with Erle Thomas from Morningside Realty Associate and faxed him over the csl@(212)927−0698.He told me that he would reply to our letter in one week.(sr)

11/25/09 Pictures of cleaned site in edocs.Castle Oil responded to clean up the spill.Floor and wall was pressure washed.Stained tiles were also removed.The grated area underneath the vent is free of product and oil contaminated debris was removed.Case closed.(sr)

Map Identification Number 242 **VACANT LOT** **Spill Number: 0000259** **Close Date: 09/29/2003**
128TH ST & CONVENT AVE MANHATTAN, NY TT−Id: 520A−0092−727

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 629 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: W 128TH ST / CONVENT AVE
Revised zip code: 10027

Source of Spill:	UNKNOWN	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Citizen	Notifier Name:		Notifier Phone:	
Caller Name:	CHARLES FAIR	Caller Agency:	CITIZEN	Caller Phone:	(212) 864−1981
DEC Investigator:	RWAUSTIN	Contact for more spill info:	CALLER	Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/06/2000		ABANDONED DRUM	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
WASTE OIL/USED OIL	PETROLEUM	15.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

3 5 gallons drums abandoned in lot.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "AUSTIN"
9/29/03 − AUSTIN − DUE TO LACK OF ANY FURTHER INFO, CLOSED OUT − PREVIOUSLY ASSIGNED TO ROMMEL − END

Map Identification Number 243 **MANHATTANVILLE** **Spill Number: 9508390** **Close Date: 10/30/1995**
1430 AMSTERDAM AVE MANHATTAN, NY TT−Id: 520A−0094−520

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING − LARGE SITE
Approximate distance from property: 709 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 10027

Source of Spill:	INSTITUTIONAL, EDUC, GOV, OTHER	Spiller:	SAME	Spiller Phone:	
Notifier Type:	Responsible Party	Notifier Name:	SAME	Notifier Phone:	
Caller Name:	ED MALONE	Caller Agency:	NYC HOUSING	Caller Phone:	(212) 306−8480
DEC Investigator:	HEALY	Contact for more spill info:	CHARLES GRIFFIN	Contact Person Phone:	(212) 234−4200

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

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Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/09/1995		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	100.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

GASKET ON THE FRONT OF THE BOILER GOING TO A MAGNETIC VALVE

WHEN THE BOILER KICKED ON IT BLEW THE GASKET

OIL IS IN THE BASEMENT STILL WINSTON COMPANY HAS BEEN NOTIFIED TO CLEAN UP THE SPILL

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 244 **MANHATTANVILLE** **Spill Number: 9211290** **Close Date: 12/31/1992**
1430 AMSTERDAM AVE MANHATTAN, NY TT−Id: 520A−0094−517

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING − LARGE SITE
Approximate distance from property: 709 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 10027

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER Spiller: MANHATTANVILLE HOUSES Spiller Phone:
Notifier Type: Responsible Party Notifier Name: Notifier Phone:
Caller Name: FRANK O'CELLO Caller Agency: NYCHA Caller Phone: (212) 306−3142
DEC Investigator: HEALY Contact for more spill info: Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Unable or Unwilling RP − DEC Field Response − DEC Corrective Action Required

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved	Meets Cleanup Standards	Penalty Recommended
12/30/1992	12/31/1992	HUMAN ERROR	2−474916	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	100.00	GALLONS	0.00	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		Unknown	0.00	UNKNOWN

Caller Remarks:

OIL OUT VENT TO LAWN & PKG LOT−WINSTON CONTRACTORS EN ROUTE TO CELAN SPILL

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 245 **MANHATTANVILLE** **Spill Number: 9011363** **Close Date: 07/06/1993**
549 WEST 126TH STREET NEW YORK CITY, NY TT−Id: 520A−0094−514

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING − LARGE SITE
Approximate distance from property: 709 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 10027

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Spiller: NYCHA
Spiller Phone: (212) 234−4200
Notifier Type: Responsible Party
Notifier Name:
Notifier Phone:
Caller Name: MIKE SIMONELLI
Caller Agency: NYCHA
Caller Phone: (212) 306−3142
DEC Investigator: HEALY
Contact for more spill info:
Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/26/1991	07/06/1993	TANK OVERFILL	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	500.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

0N 1/25/91 50 GAL WAS REPORTED SPILLED ON SITE, 500 GAL WAS ACTUALLY SPILLED ON PAVEMENT, SPILL WAS SET ON FIRE BY VANDALS.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 246 **1345 AMSTERDAM AVE.** **Spill Number: 9311142** **Close Date: 12/16/1993**
1345 AMSTERDAM AVENUE MANHATTAN, NY TT−Id: 520A−0092−018

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 737 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	SAME	Spiller Phone:	
Notifier Type:	Other	Notifier Name:		Notifier Phone:	
Caller Name:	MR. CAREY	Caller Agency:	CASTLE OIL	Caller Phone:	(718) 823−8800
DEC Investigator:	MCTIBBE	Contact for more spill info:		Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/14/1993	12/16/1993	EQUIPMENT FAILURE	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	100.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

FILL PIPE BROKE CON−ED AT SCENE − SPILL CREW & VAC TRUCK ON SCENE − HANDLED BY CASTLE OIL.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"

Map Identification Number 247 **PS 161** **Spill Number: 0012680** **Close Date: 03/27/2001**
499 W 133RD ST MANHATTAN, NY TT−Id: 520A−0091−196

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1073 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	FRANK − PS 161	Spiller Phone:	(718) 391−6832
Notifier Type:	Affected Persons	Notifier Name:		Notifier Phone:	
Caller Name:	ISAAC MUNGRA	Caller Agency:	PETROLEUM TANK CLEANERS	Caller Phone:	(718) 624−4842
DEC Investigator:	MXTIPPLE	Contact for more spill info:	FRANK	Contact Person Phone:	(718) 391−6832

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/28/2001		HUMAN ERROR	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	200.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

LEAK IN LINE CAUSED SPILL.CONTAINED

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIPPLE"
2/28/01 AFTER EXTENSIVE DISCUSSIONS WITH REPRESENTATIVES FROM BOTH THE CONTRACTOR, THE SCHOOL MAINTENANCE PERSONS AS WELL AS SCHOOL BOILER PERSONNEL. MR AMBROSE, THE PERSON IN CHARGE OF THE EVERYDAY BOILER FUNCTION FOR THE NYC SCHOOL SYSTEM, SAID THAT HIS PERSONNEL DID THE ACTUAL CUTTING OF THE SEVERED SUCTION LINE THAT CONSTITUTED THE HOLE IN THE TANK THE OIL SPILL FLOWED FROM.
THIS SPILL WAS CAUSED BY A SERIES OF MISCOMMUNICATIONS WITHIN THE NYC SCHOOL SYSTEM. THE 7500 GAL TANK (#2) HAD NOT BEEN USED FOR APPROXIMATELY THREE YEARS, IT HAD NEVER BEEN REGISTERED AS BEING OUT OF SERVICE, OR RE−REGISTERED AS BEING PUT BACK INTO SERVICE. THE PETROMETERS FOR BOTH TANKS #1 AND #2 DO NOT FUNCTION PROPERLY.

PETROLEUM TANK CLEANERS INC. WAS HIRED BY THE BOARD OF EDUCATION TO CLEAN THE OVERFILL. THEY HAVE BEEN INSTRUCTED TO VAC UP THE PRODUCT AND POWER WASH THE TANK ROOM BEFORE THE STUDENTS RETRN THURSDAY. IF THE SMELL PERSISTS, THEY ARE TO EPOXY SEAL THE TANK ROOM.

THE SCHOOL MUST COMPLETE THE FOLLOWING:

1. CAP THE LINE, AND COMPLETE THE PLUMBING WORK

2. FIX OR REPLACE THE PETROMETERS

3. TEST THE WHISTLE

03/08/01 Spoke with Frank CARDELLO, THE LINE WAS CAPPED, THE CLEANUP AND EPOXY COATING HAS BEEN COMPLETED.

THERE IS AN ORDER FOR REPAIR OR REPLACEMENT OF THE PETROMETERS

03/27/01 SPOKE WITH FRANK CARDELLO, THE PETROMETERS HAVE BEEN REPAIRED AND THE PLUMBING WORK HAS BEEN COMPLETED

Map Identification Number 248 **SOIL** **Spill Number: 1310686** **Close Date: 03/11/2014**
WEST 130TH ST AND BROADWAY MANHATTAN, NY TT−Id: 520A−0297−224

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1152 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: WEST 130TH ST / BROADWAY
Revised zip code: UNKNOWN

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Other
Caller Name:
DEC Investigator: SXMAHAT
Spiller: COLUMBIA UNIVERSITY
Notifier Name:
Caller Agency:
Contact for more spill info: JEFF PASSMAN
Spiller Phone:
Notifier Phone:
Caller Phone:
Contact Person Phone: (732) 223−2225

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/10/2014		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
HYDRAULIC OIL	PETROLEUM	100.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

Caller advised aprx 55gal of oil spilled onto soil due to a hose bursting from equipment. Clean up is pending.
−−−−−−−
02/10/2014 @ 16:08 − Caller called back to change time and amount spilled from 55 to 100 gals.

DEC Investigator Remarks:

1/10/14: Mahat
T/C : DEC Mahat contacted Mr. Jeff Passman (Brinkerhoff Environmental @ 732.223.2225)inquiring more information about the spill. He notified DEC that around 100 gallon on hydraulic fluid was spill on the ground. It was mostly contained on the concrete and soil.

1/11/14: Mahat
T/C : Mr. Tyler Martz(Field Supervisor @732.425.7238)comfirmed that excavation of the site is ongoing. Mr. Martz has taken before and after pictures. He will proves pictures with narrative cleanup process to DEC.

1/12/14: Mahat

Mr. Passman supplied pictures and narrative cleanup/excavation procedure. As per our last phonce conversation with Mr. Passman, he will provide analytical report (EPA 8270) from each sample those are collected from three excavations. He will also provide manifest of the contamination soils from excavations.

Pictures are uploaded on edcos.

3/11/14: Mahat
E/C: Mr. Passman provided a analytical report on the sample he collected from the site including manifest. The report is uploaded on edcos. Based on the report and manifest , further investigation is not required by the department.

** Case Closed **

DEC Requires :

1. Pictures
2. Narrative clean up process.
3. Manifest

Map Identification Number 249 **FEEDER M51/52** **Spill Number: 9613328** **Close Date: 03/27/2008**
BROADWAY/TIEMANN ST MANHATTAN, NY TT−Id: 520A−0092−942

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1301 feet to the W

ADDRESS CHANGE INFORMATION
Revised street: BROADWAY / TIEMANN PL
Revised zip code: 10027

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	TIM SOILCH − CON EDISON	Spiller Phone:	(212) 580−6764
Notifier Type:	Responsible Party	Notifier Name:	MR FIGUERAS	Notifier Phone:	
Caller Name:	JOE DEVOTI	Caller Agency:	CONED	Caller Phone:	(212) 580−6763
DEC Investigator:	JMOCONNE	Contact for more spill info:	JOE DEVOTI	Contact Person Phone:	(212) 580−6763

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/11/1997		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIELECTRIC FLUID	PETROLEUM	350.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

A TRANSMISSION LINE IS LEAKING AT THE RATE OF 15 GALLONS OER HOUR SOMEWHERE BETWEEN TUCKAHO RD IN YONKERS AND MANHATTEN − LEAK

HAS NOT BEEN FOUND YET

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ENGELHARDT"

2/13/97: John Hegerty − believed to be in area of 135th St in Manhattan based on tracer searching.

2/19/97: John Hegerty − still looking. Tracer was unsuccessful. Now on 3rd freeze. Loss of 1000 to 1200 gallons so far.

2/20/97: J. Hegerty − Con Ed said leaked at 15 gph for 3 days, then down to 10 gph (3 x 24 x 15) + (5.25 x 24 x 10) = 2340 gallons estimate. John said he would do inventory today to confirm estimate.

2/20/97, 1530 hrs: Ed Kalinowski − in charge of corrosion group. Inspecting pipe north of leak. Jerry Matterazzo − in charge of pipe repair and oil removal. MEG on scene − vac truck, supply truck. Jerry M. said only a sheen of oil in adjacent manhole. Dirt in excavation looks fairly dry. Sal from MEG (supervising MEG workers). About 20 yards of soil/debris removed from 2 excavations and debris from manhole. Excavation around leak is ~9' x 7' x 8−10' deep.

Corrosion team was inspecting pipe north of leak. Inspector said it was in bad shape and a "future leak". Ed K. said that portion of the pipe would be repaired with a barrel. Acc'd to Ed K., leak occurred where corrosion resistant coating was lifting from the pipe and water got underneath. Pipe runs adjacent to elevated train.

11/17/04: APPENDIX B SITE 69.

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e2mis no. 104113:

11−FEB−1997 11:00:00 SHIFTY MGR GIANGRANDE #99751 REPORT LEAK ON FDR M52. LOCATION OF LEAK UNKNOWN, APPROX 350 GAL LOSS TO DATE; 15 GAL HR . SHIFT SUP HEGARTY #97964 CONTACTED, LEAK DISCOVERED THROUGH TREND ANLYSIS. ALL GROUPS ALERTED LEAK SEARCH IN PROGRESS. LEAK ON FDR BETWEEN WEST SPRAINBROOK S/S AND MAN 49ST. S/S.

12−FEB−1997 Miller Environmental Group Inc. cleaned out manhole. Manifest NO. CT F 0540894. Temp EPA NYP004005328. There was 3800 gals of water and 50 gals of oil. No leaks were found.
Results of Analysis: Aroclor: 1242 Results: 9 ppm.

02/21/97
Lab Seq No: 97−01644−001
Equipment: Mh 62564, Fdr 52
Analyte: Benzene
Results: <0.5 ppm

02/16/97, Manholes 62579, 62581
No oil water only, Cleaned by MEG for future use for freeze pits. Containments/Cleanup Activities, removed/recovered liquid/solids job completed 2/16/97 at 19:00. Manholes 62575, 62576, 62566, manholes were checked and cleaned out by MEG for
~~~~~~~~~~~~~~~~~~

future use for freeze pit. No oil, water and dirt only. Job completed 23:00.

02/19/97, 13:50
On Broadway, 1 foot s/o manhole 61734, is on Broadway 80 feet s/o Tiemann Pl Manhattan. Leak on feeder pipe, wood in contact with pipe. Area affected was soil under leak. Recovered oil/water, 2850 gallons, excavated soil/bluestone, 24 yrds3.

4/17/09 Con Ed conducted Appendix B Site 69 investigation activities between between March and June 2006. Letter from DEC Moses Ajoku to Con Edison dated 3/27/08 advised that this spill was closed based on review of January 2008 SIR. I closed the spill in the database today using the letter date as the closure date. JOC

Map Identification Number 250 **FEEDER M51** **Spill Number: 0710894** **Close Date: 02/08/2008**
BROADWAY NEAR TIEMANN PLACE MANHATTAN, NY TT−Id: 520A−0211−263

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (4)
Approximate distance from property: 1301 feet to the W

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	ERTSDESK − CON EDISON	Spiller Phone: (212) 580−8383
Notifier Type:	Responsible Party	Notifier Name:		Notifier Phone:
Caller Name:		Caller Agency:		Caller Phone:
DEC Investigator:	gdbreen	Contact for more spill info:	ERTSDESK	Contact Person Phone: (212) 580−8383

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/15/2008		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIELECTRIC FLUID	PETROLEUM	200.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

STARTING AT SPRAINBRROK SUBSTATION GOING WEST 49TH STREET , ON FEEDER M51 AND DECLARED AND LOOKING AT THIS TIME AND LEAKING 1.5 GALLONS PER HOUR AND GOES UNDER HARLEM RIVER.

209483

DEC Investigator Remarks:

1/16/08. Anthony Buda reports that the leak rate has been recalculated to one gallon per hour and the loss recalculated to 170 gallons. PFT trucks have a hit at Bway & LaSalle St. ConEd will be probing there.

209483. see eDocs

1/17/08. Anthony Delgado reports that a clamp eight feet long was required because of the worn condition of this feeder. 333 gallons are estimated to have leaked out.

1/17/08. Mike Pillig reports that the clamp on the pipe is leaking a bit, so ConEd put a pail underneath and has a vac truck on site to empty the pail periodically. The plan is to weld a barrel over the clamp w/o bothering to stop this drip. The barrel will go on during second shift today. The clamp stopped the impact to the environment, which Mike puts at 180 gallons to the soil beneath the feeder. The hole is at the bottom. Fluid seems to have gone straight down. Mike will dig straight down in a 8 X 10 foot area with the hole of recovering it all.

1−23−08: George, Here are two pics and the updated EMIS report for the subject leak. We excavated to bedrock, sampled the sidewalls and are waiting for the results.

Michael Pillig
Transmission Operations, EHS
(718) 204−4256
(347) 386−5506

1−24−08. Mike Pillig reports ConEd has excavated to bedrock and taken samples for analysis. He says this section of feeder has been cathodically protected via impressed current with rectifiers. Nevertheless, there seems to be holidays in the coverage based on the corrosion that was found when the section between 108 St and 123 St was inspected and refurbished.

1−24−08. George,
Here are the sample results from the excavation at Broadway and Tiemann,
(M51 leak). I think you will agree that our remediation efforts were
sufficient to close the subject spill. Please review at your
convenience and let me know what you think. Thanks for your help.

Mike

From: Moawad, Joseph
Sent: Thursday, January 24, 2008 11:31 AM
To: Pillig, Michael E.; EA − Chem Lab Reports; dl − MN − Lab Analysis
Cc: dl − TRANSOPS EH&S; Paretsky, Leon
Subject: Submitter: MICHAEL PILLIG LSN 08−00515 Incident # 209483

Page 1 of 8
1/24/2008

Consolidated Edison
Environment, Health and Safety ChemLab
NY Lab ID No: 10380

Lab Sequence Number: 08−00515−001 Date Approved:
1/24/2008
Incident Number: 209483 Date Received:
1/18/2008
Chain of Custody ID: FF30638 Date Sampled:
1/18/2008

Submitter: MICHAEL PILLIG
Job Site: TIEMANN PL & BWAY
Email To: PILLIGM@coned.com|EA−ChemLabReports|DL − MN − LAB ANALYSIS|
Cc To: DL − TRANSOPS EH&S|PARETSKYL@coned.com|

NOTE: The Submitter shall post and/or provide these results to all employees
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Test results are representative only of submitted samples.

Results of Analysis

MATRIX: SOIL GRAB
DESCRIPTION: NORTH WALL 12" BELOW PIPE − EXCAVATION

LOCATION: TIEMANN PL & BROADWAY

TPH − Dielectric/Diesel Fluid Range Organics Analysis by EPA 8100 (Modified)

TEST DESCRIPTION	RESULT	UNIT	METHOD

DiChevrol Fluid 100 Cable Oil	< 16.9	mg/Kg	EPA 8100 Mod
DiChevrol Fluid 500 Cable Oil	< 16.9	mg/Kg	EPA 8100 Mod
Silicone Base Transformer Oil	< 16.9	mg/Kg	EPA 8100 Mod
High Visc. Polybutene Cable Oil	< 16.9	mg/Kg	EPA 8100 Mod
Low Visc. Polybutene Cable Oil	< 16.9	mg/Kg	EPA 8100 Mod
Sun #2 Base Transformer Oil	< 16.9	mg/Kg	EPA 8100 Mod
Sun #4 Cable Oil	< 16.9	mg/Kg	EPA 8100 Mod
Sun #6 Cable Oil	< 16.9	mg/Kg	EPA 8100 Mod
Gasoline	< 16.9	mg/Kg	EPA 8100 Mod
Kerosene	< 16.9	mg/Kg	EPA 8100 Mod
#4 Fuel Oil	< 16.9	mg/Kg	EPA 8100 Mod
#6 Fuel Oil	< 16.9	mg/Kg	EPA 8100 Mod
THC by Method 8100 (Modified)	< 16.9	mg/Kg	EPA 8100 (MOD.)
Univolt 60 Transformer Oil	< 16.9	mg/Kg	EPA 8100 Mod
Diesel Fuel Oil	< 16.9	mg/Kg	EPA 8100 Mod
Motor Oil	< 16.9	mg/Kg	EPA 8100 Mod
JP4 (Aviation Fuel)	< 16.9	mg/Kg	EPA 8100 Mod
Feeder 24032 Oil	< 16.9	mg/Kg	EPA 8100 Mod
Feeder 28242 Oil	< 16.9	mg/Kg	EPA 8100 Mod
Feeder 38m35 Oil	< 16.9	mg/Kg	EPA 8100 Mod
Feeder 51/52 Oil	< 16.9	mg/Kg	EPA 8100 Mod
Feeder 69M43 Oil	< 16.9	mg/Kg	EPA 8100 Mod

Dielectric Fluid 100 Oil < 16.9 mg/Kg EPA
8100 Mod
Petroleum Contaminant < 16.9 mg/Kg EPA
8100 Mod
Hydraulic Fluid < 16.9 mg/Kg EPA
8100 Mod
#2 Fuel Oil < 16.9 mg/Kg EPA
8100 Mod
Feeder 69M41 Oil < 16.9 mg/Kg EPA
8100 Mod
Feeder 38R51 Oil < 16.9 mg/Kg EPA
8100 Mod
Feeder 38R52 Oil < 16.9 mg/Kg EPA
8100 Mod
Feeder 69M65 Oil < 16.9 mg/Kg EPA
8100 Mod
Page 2 of 8
1/24/2008

Consolidated Edison
Environment, Health and Safety ChemLab
NY Lab ID No: 10380

Lab Sequence Number: 08−00515−001...Continued Date Approved:
1/24/2008
Incident Number: 209483 Date Received:
1/18/2008
Chain of Custody ID: FF30638 Date Sampled:
1/18/2008

Submitter: MICHAEL PILLIG
Job Site: TIEMANN PL & BWAY
Email To: PILLIGM@coned.com|EA−ChemLabReports|DL − MN − LAB ANALYSIS|
Cc To: DL − TRANSOPS EH&S|PARETSKYL@coned.com|

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Test results are representative only of submitted samples.
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Results of Analysis

MATRIX: SOIL GRAB
DESCRIPTION: NORTH WALL 12" BELOW PIPE − EXCAVATION

LOCATION: TIEMANN PL & BROADWAY

TPH − Dielectric/Diesel Fluid Range Organics Analysis by EPA 8100 (Modified)

TEST DESCRIPTION	RESULT	UNIT	METHOD
Feeder 63 Oil	< 16.9	mg/Kg	EPA 8100 Mod
% Solids	97.5	%	SM 2540G

Analyzed by: AmeriSci New York

ppm = mg/L = mg/Kg
ppb = ug/L = ug/Kg

ppt = ng/L = ng/Kg

Approval Status: APPROVED
Approved By: Joseph A Moawad

Title: Specialist

Environment, Health and Safety ChemLab
NY Lab ID No: 10380

Lab Sequence Number: 08−00515−002 Date Approved: 1/24/2008
Incident Number: 209483 Date Received: 1/18/2008
Chain of Custody ID: FF30638 Date Sampled: 1/18/2008

Submitter: MICHAEL PILLIG
Job Site: TIEMANN PL & BWAY
Email To: PILLIGM@coned.com|EA−ChemLabReports|DL − MN − LAB ANALYSIS|
Cc To: DL − TRANSOPS EH&S|PARETSKYL@coned.com|

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Results of Analysis

MATRIX: SOIL GRAB
DESCRIPTION: SOUTH WALL 12" BELOW PIPE − EXCAVATION

LOCATION: TIEMANN PL & BROADWAY

TPH − Dielectric/Diesel Fluid Range Organics Analysis by EPA 8100 (Modified)

TEST DESCRIPTION	RESULT	UNIT	METHOD
DiChevrol Fluid 100 Cable Oil	< 18.4	mg/Kg	EPA 8100 Mod
DiChevrol Fluid 500 Cable Oil	< 18.4	mg/Kg	EPA

8100 Mod				
Silicone Base Transformer Oil	< 18.4	mg/Kg	EPA	
8100 Mod				
High Visc. Polybutene Cable Oil	< 18.4	mg/Kg	EPA	
8100 Mod				
Low Visc. Polybutene Cable Oil	< 18.4	mg/Kg	EPA	
8100 Mod				
Sun #2 Base Transformer Oil	< 18.4	mg/Kg	EPA	
8100 Mod				
Sun #4 Cable Oil	< 18.4	mg/Kg	EPA	
8100 Mod				
Sun #6 Cable Oil	< 18.4	mg/Kg	EPA	
8100 Mod				
Gasoline	< 18.4	mg/Kg	EPA	
8100 Mod				
Kerosene	< 18.4	mg/Kg	EPA	
8100 Mod				
#4 Fuel Oil	< 18.4	mg/Kg	EPA	
8100 Mod				
#6 Fuel Oil	< 18.4	mg/Kg	EPA	
8100 Mod				
THC by Method 8100 (Modified)	< 18.4	mg/Kg	EPA	
8100 (MOD.)				
Univolt 60 Transformer Oil	< 18.4	mg/Kg	EPA	
8100 Mod				
Diesel Fuel Oil	< 18.4	mg/Kg	EPA	
8100 Mod				
Motor Oil	< 18.4	mg/Kg	EPA	
8100 Mod				
JP4 (Aviation Fuel)	< 18.4	mg/Kg	EPA	
8100 Mod				
Feeder 24032 Oil	< 18.4	mg/Kg	EPA	
8100 Mod				
Feeder 28242 Oil	< 18.4	mg/Kg	EPA	
8100 Mod				
Feeder 38m35 Oil	< 18.4	mg/Kg	EPA	
8100 Mod				
Feeder 51/52 Oil	< 18.4	mg/Kg	EPA	
8100 Mod				
Feeder 69M43 Oil	< 18.4	mg/Kg	EPA	
8100 Mod				
Dielectric Fluid 100 Oil	< 18.4	mg/Kg	EPA	
8100 Mod				
Petroleum Contaminant	< 18.4	mg/Kg	EPA	

8100 Mod
Hydraulic Fluid < 18.4 mg/Kg EPA
8100 Mod
#2 Fuel Oil < 18.4 mg/Kg EPA
8100 Mod
Feeder 69M41 Oil < 18.4 mg/Kg EPA
8100 Mod
Feeder 38R51 Oil < 18.4 mg/Kg EPA
8100 Mod
Feeder 38R52 Oil < 18.4 mg/Kg EPA
8100 Mod
Feeder 69M65 Oil < 18.4 mg/Kg EPA
8100 Mod
Page 4 of 8
1/24/2008

Consolidated Edison
Environment, Health and Safety ChemLab
NY Lab ID No: 10380

Lab Sequence Number: 08−00515−002...Continued Date Approved:
1/24/2008
Incident Number: 209483 Date Received:
1/18/2008
Chain of Custody ID: FF30638 Date Sampled:
1/18/2008

Submitter: MICHAEL PILLIG
Job Site: TIEMANN PL & BWAY
Email To: PILLIGM@coned.com|EA−ChemLabReports|DL − MN − LAB ANALYSIS|
Cc To: DL − TRANSOPS EH&S|PARETSKYL@coned.com|

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Results of Analysis
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MATRIX: SOIL GRAB
DESCRIPTION: SOUTH WALL 12" BELOW PIPE − EXCAVATION

LOCATION: TIEMANN PL & BROADWAY

TPH − Dielectric/Diesel Fluid Range Organics Analysis by EPA 8100 (Modified)

TEST DESCRIPTION	RESULT	UNIT	METHOD
Feeder 63 Oil	< 18.4	mg/Kg	EPA 8100 Mod
% Solids	88.0	%	SM 2540G

Analyzed by: AmeriSci New York

ppm = mg/L = mg/Kg
ppb = ug/L = ug/Kg

ppt = ng/L = ng/Kg

Approval Status: APPROVED
Approved By: Joseph A Moawad

Title: Specialist

Consolidated Edison
Environment, Health and Safety ChemLab
NY Lab ID No: 10380

Lab Sequence Number: 08−00515−003 Date Approved: 1/24/2008
Incident Number: 209483 Date Received: 1/18/2008
Chain of Custody ID: FF30638 Date Sampled: 1/18/2008

Submitter: MICHAEL PILLIG
Job Site: TIEMANN PL & BWAY
Email To: PILLIGM@coned.com|EA−ChemLabReports|DL − MN − LAB ANALYSIS|
Cc To: DL − TRANSOPS EH&S|PARETSKYL@coned.com|

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Results of Analysis

MATRIX: SOIL GRAB
DESCRIPTION: EAST WALL 12" BELOW PIPE − EXCAVATION

LOCATION: TIEMANN PL & BROADWAY

TPH − Dielectric/Diesel Fluid Range Organics Analysis by EPA 8100 (Modified)

TEST DESCRIPTION	RESULT	UNIT	METHOD
DiChevrol Fluid 100 Cable Oil	< 17.6	mg/Kg	EPA 8100 Mod
DiChevrol Fluid 500 Cable Oil	< 17.6	mg/Kg	EPA 8100 Mod
Silicone Base Transformer Oil	< 17.6	mg/Kg	EPA 8100 Mod

High Visc. Polybutene Cable Oil	< 17.6	mg/Kg	EPA 8100 Mod
Low Visc. Polybutene Cable Oil	< 17.6	mg/Kg	EPA 8100 Mod
Sun #2 Base Transformer Oil	< 17.6	mg/Kg	EPA 8100 Mod
Sun #4 Cable Oil	< 17.6	mg/Kg	EPA 8100 Mod
Sun #6 Cable Oil	< 17.6	mg/Kg	EPA 8100 Mod
Gasoline	< 17.6	mg/Kg	EPA 8100 Mod
Kerosene	< 17.6	mg/Kg	EPA 8100 Mod
#4 Fuel Oil	< 17.6	mg/Kg	EPA 8100 Mod
#6 Fuel Oil	< 17.6	mg/Kg	EPA 8100 Mod
THC by Method 8100 (Modified)	< 17.6	mg/Kg	EPA 8100 (MOD.)
Univolt 60 Transformer Oil	< 17.6	mg/Kg	EPA 8100 Mod
Diesel Fuel Oil	< 17.6	mg/Kg	EPA 8100 Mod
Motor Oil	< 17.6	mg/Kg	EPA 8100 Mod
JP4 (Aviation Fuel)	< 17.6	mg/Kg	EPA 8100 Mod
Feeder 24032 Oil	< 17.6	mg/Kg	EPA 8100 Mod
Feeder 28242 Oil	< 17.6	mg/Kg	EPA 8100 Mod
Feeder 38m35 Oil	< 17.6	mg/Kg	EPA 8100 Mod
Feeder 51/52 Oil	< 17.6	mg/Kg	EPA 8100 Mod
Feeder 69M43 Oil	< 17.6	mg/Kg	EPA 8100 Mod
Dielectric Fluid 100 Oil	< 17.6	mg/Kg	EPA 8100 Mod
Petroleum Contaminant	< 17.6	mg/Kg	EPA 8100 Mod
Hydraulic Fluid	< 17.6	mg/Kg	EPA 8100 Mod

#2 Fuel Oil < 17.6 mg/Kg EPA
8100 Mod
Feeder 69M41 Oil < 17.6 mg/Kg EPA
8100 Mod
Feeder 38R51 Oil < 17.6 mg/Kg EPA
8100 Mod
Feeder 38R52 Oil < 17.6 mg/Kg EPA
8100 Mod
Feeder 69M65 Oil < 17.6 mg/Kg EPA
8100 Mod
Page 6 of 8
1/24/2008

Consolidated Edison
Environment, Health and Safety ChemLab
NY Lab ID No: 10380

Lab Sequence Number: 08−00515−003...Continued Date Approved:
1/24/2008
Incident Number: 209483 Date Received:
1/18/2008
Chain of Custody ID: FF30638 Date Sampled:
1/18/2008

Submitter: MICHAEL PILLIG
Job Site: TIEMANN PL & BWAY
Email To: PILLIGM@coned.com|EA−ChemLabReports|DL − MN − LAB ANALYSIS|
Cc To: DL − TRANSOPS EH&S|PARETSKYL@coned.com|

NOTE: The Submitter shall post and/or provide these results to all
employees
working with or in the vicinity of this substance. This report
shall not
be reproduced, except in full, without the written consent of
EH&S.
Test results are representative only of submitted samples.
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Results of Analysis
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MATRIX: SOIL GRAB
DESCRIPTION: EAST WALL 12" BELOW PIPE − EXCAVATION

LOCATION: TIEMANN PL & BROADWAY

TPH − Dielectric/Diesel Fluid Range Organics Analysis by EPA 8100 (Modified)

TEST DESCRIPTION	RESULT	UNIT	METHOD
Feeder 63 Oil	< 17.6	mg/Kg	EPA 8100 Mod
% Solids	92.2	%	SM 2540G

Analyzed by: AmeriSci New York

ppm = mg/L = mg/Kg
ppb = ug/L = ug/Kg

ppt = ng/L = ng/Kg

Approval Status: APPROVED
Approved By: Joseph A Moawad

Title: Specialist

1/24/2008

Consolidated Edison
Environment, Health and Safety ChemLab
NY Lab ID No: 10380

Lab Sequence Number: 08−00515−004 Date Approved: 1/24/2008
Incident Number: 209483 Date Received:

1/18/2008
Chain of Custody ID: FF30638 Date Sampled:
1/18/2008

Submitter: MICHAEL PILLIG
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Results of Analysis

MATRIX: SOIL GRAB
DESCRIPTION: WEST WALL 12" BELOW PIPE − EXCAVATION

LOCATION: TIEMANN PL & BROADWAY

TPH − Dielectric/Diesel Fluid Range Organics Analysis by EPA 8100
(Modified)

TEST DESCRIPTION	RESULT	UNIT	METHOD
DiChevrol Fluid 100 Cable Oil	< 20.4	mg/Kg	EPA 8100 Mod
DiChevrol Fluid 500 Cable Oil	< 20.4	mg/Kg	EPA 8100 Mod
Silicone Base Transformer Oil	< 20.4	mg/Kg	EPA 8100 Mod
High Visc. Polybutene Cable Oil	< 20.4	mg/Kg	EPA 8100 Mod
Low Visc. Polybutene Cable Oil	< 20.4	mg/Kg	EPA

8100 Mod				
Sun #2 Base Transformer Oil	< 20.4	mg/Kg	EPA	
8100 Mod				
Sun #4 Cable Oil	< 20.4	mg/Kg	EPA	
8100 Mod				
Sun #6 Cable Oil	< 20.4	mg/Kg	EPA	
8100 Mod				
Gasoline	< 20.4	mg/Kg	EPA	
8100 Mod				
Kerosene	< 20.4	mg/Kg	EPA	
8100 Mod				
#4 Fuel Oil	< 20.4	mg/Kg	EPA	
8100 Mod				
#6 Fuel Oil	< 20.4	mg/Kg	EPA	
8100 Mod				
THC by Method 8100 (Modified)	1480	mg/Kg	EPA	
8100 (MOD.)				
Univolt 60 Transformer Oil	< 20.4	mg/Kg	EPA	
8100 Mod				
Diesel Fuel Oil	< 20.4	mg/Kg	EPA	
8100 Mod				
Motor Oil	< 20.4	mg/Kg	EPA	
8100 Mod				
JP4 (Aviation Fuel)	< 20.4	mg/Kg	EPA	
8100 Mod				
Feeder 24032 Oil	< 20.4	mg/Kg	EPA	
8100 Mod				
Feeder 28242 Oil	< 20.4	mg/Kg	EPA	
8100 Mod				
Feeder 38m35 Oil	< 20.4	mg/Kg	EPA	
8100 Mod				
Feeder 51/52 Oil	1480	mg/Kg	EPA	
8100 Mod				
Feeder 69M43 Oil	< 20.4	mg/Kg	EPA	
8100 Mod				
Dielectric Fluid 100 Oil	< 20.4	mg/Kg	EPA	
8100 Mod				
Petroleum Contaminant	< 20.4	mg/Kg	EPA	
8100 Mod				
Hydraulic Fluid	< 20.4	mg/Kg	EPA	
8100 Mod				
#2 Fuel Oil	< 20.4	mg/Kg	EPA	
8100 Mod				
Feeder 69M41 Oil	< 20.4	mg/Kg	EPA	

8100 Mod
Feeder 38R51 Oil < 20.4 mg/Kg EPA
8100 Mod
Feeder 38R52 Oil < 20.4 mg/Kg EPA
8100 Mod
Feeder 69M65 Oil < 20.4 mg/Kg EPA
8100 Mod
Page 8 of 8
1/24/2008

Consolidated Edison
Environment, Health and Safety ChemLab
NY Lab ID No: 10380

Lab Sequence Number: 08−00515−004...Continued Date Approved:
1/24/2008
Incident Number: 209483 Date Received:
1/18/2008
Chain of Custody ID: FF30638 Date Sampled:
1/18/2008

Submitter: MICHAEL PILLIG
Job Site: TIEMANN PL & BWAY
Email To: PILLIGM@coned.com|EA−ChemLabReports|DL − MN − LAB ANALYSIS|
Cc To: DL − TRANSOPS EH&S|PARETSKYL@coned.com|

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EH&S.
Test results are representative only of submitted samples.
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Results of Analysis
==========
==========
MATRIX: SOIL GRAB
DESCRIPTION: WEST WALL 12" BELOW PIPE − EXCAVATION

LOCATION: TIEMANN PL & BROADWAY

TPH − Dielectric/Diesel Fluid Range Organics Analysis by EPA 8100 (Modified)

TEST DESCRIPTION	RESULT	UNIT	METHOD
Feeder 63 Oil	< 20.4	mg/Kg	EPA 8100 Mod
% Solids	81.4	%	SM 2540G

Analyzed by: AmeriSci New York

ppm = mg/L = mg/Kg
ppb = ug/L = ug/Kg

ppt = ng/L = ng/Kg

−−End of Report−−

Approval Status: APPROVED
Approved By: Joseph A Moawad

Title: Specialist

Results at: http://ilims

2−07−08. George,
Here is a sketch of the excavation and sample locations. I am closing the spill in our database as per Jane's last note.

−−−−−Original Message−−−−−
From: Jane O'Connell [mailto:jhoconne@gw.dec.state.ny.us]
Sent: Thursday, January 31, 2008 9:40 AM
To: Pillig, Michael E.
Subject: Re: FW: Incident # 209483, Broadway and Tieman − DEC 0710894

Send to George and copy me. He will close spill when he gets the sketch.

Jane H. O'Connell
Engineering Geologist 2
NYSDEC Div. of Environmental Remediation ph. (718) 482−4973 fax (718) 482−4043

>>> "Pillig, Michael E." <PilligM@coned.com> 01/31/08 9:37 AM >>>
Ok. Thanks. Will get you a sketch today or tomorrow.
−−−−−−−−−−−−−−−−−−−−−−−−
Sent from my BlackBerry Wireless Device

Map Identification Number 251 **132ND ST AND BROADWAY** **Spill Number: 9209349** **Close Date: 11/12/1992**
132ND ST AND BROADWAY MANHATTAN, NY TT−Id: 520A−0090−008

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1320 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: W 132ND ST / BROADWAY
Revised zip code: NO CHANGE

Source of Spill:	INSTITUTIONAL, EDUC, GOV, OTHER	Spiller:		Spiller Phone:	
Notifier Type:	Responsible Party	Notifier Name:		Notifier Phone:	
Caller Name:	TIMOTHY SLAVSON	Caller Agency:	NYC TRANSIT AUTHORITY	Caller Phone:	(718) 330−4581
DEC Investigator:	O'DOWD	Contact for more spill info:		Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/11/1992	11/12/1992	VANDALISM	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	900.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

CONTRACTORS WORKING ON PIPES LEFT FOR A WHILE AND WHEN HE CAME BACK SOMEONE OPENED ALL 3 VALVES.PUMP OUT TRUFT INTO OIL/H2O SEPARATOR NO CALL BACK

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 252 **ADJACENT TO VAULT #9034** **Spill Number: 0607482** **Close Date: 12/21/2006**
2437 8TH AVE MANHATTAN, NY TT−Id: 520A−0099−442

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1387 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 10027

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	ERTS	Spiller Phone: (212) 580−8383
Notifier Type:	Responsible Party	Notifier Name:		Notifier Phone:
Caller Name:		Caller Agency:		Caller Phone:
DEC Investigator:	JHOCONNE	Contact for more spill info:	ERTS	Contact Person Phone: (212) 580−8383

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/29/2006		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
TRANSFORMER OIL	PETROLEUM	100.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

NO TO 5 QUESTIONS. REF NO. 202711. AFFECTING 50 GALLONS OF WATER IN THE MANHOLE.

DEC Investigator Remarks:

12/21/06 − See e−docs for Con Ed report detailing cleanup and closure.

Con Ed no. 202711 − see eDocs.

Map Identification Number 253 **VAULT 9034** **Spill Number: 0607480** **Close Date: 10/04/2006**
2437 8TH AVE MANHATTAN, NY TT−Id: 520A−0099−441

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1387 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 10027

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Responsible Party
Caller Name:
DEC Investigator: JHOCONNE
Spiller: ERTS − VAULT 9034
Notifier Name:
Caller Agency:
Contact for more spill info: ERTS
Spiller Phone: (212) 580−8383
Notifier Phone:
Caller Phone:
Contact Person Phone: (212) 580−8383

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/29/2006		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
TRANSFORMER OIL	PETROLEUM	100.00	GALLONS	0.00	GALLONS	SEWER

Caller Remarks:

SPILL DUE TO DEFECTIVE TRANSFORMER. SPILL DID REACH AND CONTAMINATE STORM DRAIN. REF NO.202710. NO TO QUESTIONS 1−4, YES TO #5.

DEC Investigator Remarks:

Con Ed no. 202710. See eDocs for closure information. (JHO)

Map Identification Number 254 **CONSTRUCTION SITE** **Spill Number: 1203627** **Close Date: 09/24/2012**
603 WEST 129TH STREET MANHATTAN, NY TT−Id: 520A−0275−651

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1399 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	INSTITUTIONAL, EDUC, GOV, OTHER	Spiller:	RYAN MANDERBACH − EE CRUZ/NICHOLAS	Spiller Phone:	
Notifier Type:	Other	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	vszhune	Contact for more spill info:	RYAN MANDERBACH	Contact Person Phone:	(212) 479−5582

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/12/2012		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
HYDRAULIC OIL	PETROLEUM	200.00	GALLONS	0.00	GALLONS	

Caller Remarks:

200 ft below ground was contained to pump no soil affected clean complete

DEC Investigator Remarks:

07/14/12− Zhune spoke to Ryan Manderbach from Langan. he said one of the hydraulic line from a crane failed and spilled 200 galons of hydraulic oil. Spill was cleanedup.

09/24/12− Ryan Manderbach from Langan Engineering sent the following email:
The spill site is located within the Columbia University Manhattanville Development. On−going development activities at the Site include infrastructure improvements, building demolition, construction of a slurry wall, and excavation of soil for below−grade construction. The proposed Site development plan calls for the excavation of the Site to an average depth of approximately 40 to 60 feet below ground surface. The spill occurred during routine excavation activities associated with the development of the Site.

Specifically, the spill occurred during excavation of one of the foundation elements (load−bearing elements) using a hydro−mill (drilling machine). A hydraulic motor on the hydro−mill blew and released approximately 50 gallons of hydraulic oil to the controlled load−bearing element excavation approximately 265 feet below the working grade. The excavation for the load−bearing element is kept open using bentonite and/or polymer slurry. Initially absorbent pads were used to soak up any floating oil at the top of slurry in the excavation. The absorbent pads were then contained in plastic bags and placed into waste oil drums for proper disposal. Standing water, slurry, and hydraulic oil at the top of the excavation was piped to a containment tank for proper off−site disposal and was replaced with clean slurry. The load−bearing element excavation is self−contained and no contact with soil or groundwater is expected to have occurred. Spill Closed.

Map Identification Number 255 **CONSTRUCTION SITE** **Spill Number: 1112416** **Close Date: 01/30/2012**
605 WEST 129TH ST NEW YORK, NY TT−Id: 520A−0271−510

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1399 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL VEHICLE	Spiller:	DAN MALLEN − EE CRUZ/NICHOLSON − EE CRUZ	Spiller Phone:	
Notifier Type:	Other	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	SMSANGES	Contact for more spill info:	DAN MALLEN − EE CRUZ/NICHOLSON	Contact Person Phone:	(732) 433−0013

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/24/2012		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
HYDRAULIC OIL	PETROLEUM	200.00	GALLONS	0.00	GALLONS	

Caller Remarks:

material contained in slurrywall container − sub surface spill − cleanup done −

DEC Investigator Remarks:

Sangesland left a voicemail with Langen asking for a writeup:
Langan respose:
The spill site is located within the Columbia University Manhattanville Development. On−going development activities at the Site include infrastructure improvements, building demolition, construction of a slurry wall, and excavation of soil for below−grade construction. The proposed Site development plan calls for the excavation of the Site to an average depth of approximately 40 to 60 feet below ground surface. The spill occurred during routine excavation activities associated with the development of the Site.

Specifically, the spill occurred during excavation of one of the slurry wall panels using a hydro−mill. A hydraulic hose running to the hydro−mill broke and released approximately 100−150 gallons of hydraulic oil (Chevron ATF DEXRON iii) to the controlled slurry wall excavation. Initially absorbent pads were used to soak up any floating oil at the top of slurry in the excavation. The absorbent pads were then contained in plastic bags and placed into waste oil drums for proper disposal. Standing water, slurry, and hydraulic oil at the top of the slurry wall was piped to a containment tank for proper off−site disposal and was

replaced with clean slurry. The slurry wall excavation is self−contained and no contact with soil or groundwater is expected to have occurred.

Please let us know if you have any questions.

Thanks
Ryan Manderbach, CHMM
Project Scientist
Direct: 212.479.5582
Mobile: 617.872.2508
Langan Engineering & Environmental Services
****
Most of spill was absorbed. Remaining impacted area is going to be excavated down to 40−60 ft depth. Based on this summary, DEC is closing this case.

Map Identification Number 256 **SPILL NUMBER 0009511** **Spill Number: 0009511** **Close Date: 12/11/2003**
301 ST NICHOLAS AVE MANHATTAN, NY TT−Id: 520A−0093−643

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1463 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	INSTITUTIONAL, EDUC, GOV, OTHER	Spiller:		Spiller Phone:	
Notifier Type:	Fire Department	Notifier Name:	NYC FIRE DISPATCH	Notifier Phone:	
Caller Name:	FRANK DEROP	Caller Agency:	NYC FIRE DEPT	Caller Phone:	(917) 769−0483
DEC Investigator:	TJDEMEO	Contact for more spill info:		Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/18/2000		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	200.00	GALLONS	0.00	GALLONS	SEWER

Caller Remarks:

FIRE DEPT ON SCENE OF SPILL ON THE ROOF OF A BUILDING − POSSIBLE HEATER MALFUNCTION − THERE IS A DRAIN ON THE ROOF SO A NEARBY SEWER IS EFFECTED AT THIS TIME

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "DEMEO"
12/11/03 TJD

Transfer pump left running causing overfill of daytank located on roof of building. FDNY responded along with DEP. Roof drain allowed most of product to be discharged directly to NYC sewer. Remainder of impacts to roof cleaned using absorbents. Spill closed.

Map Identification Number 257 **IN ROADWAY** **Spill Number: 0513636** **Close Date: 06/19/2006**
80 LASALLE STREET NEW YORK, NY 10027 TT−Id: 520A−0099−450
80 LA SALLE STREET

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1595 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: 80 LA SALLE ST
Revised zip code: NO CHANGE

Source of Spill:	PRIVATE DWELLING	Spiller:	SHAI OHNAN − MYSTIC CARRIERS	Spiller Phone:	(800) 635−3835
Notifier Type:	Fire Department	Notifier Name:	MICHAEL MONACO	Notifier Phone:	(347) 203−6886
Caller Name:	MICHAEL MONACO	Caller Agency:	FDNY HAZMAT 1	Caller Phone:	(347) 203−6886
DEC Investigator:	SFRAHMAN	Contact for more spill info:		Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

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Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/26/2006		HUMAN ERROR	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	200.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

Caller reports driver overfilled an inground tank to an apt building. Spill was onto land and did get into the sewer system.
Mystic Carriers will be doing the cleanup.

DEC Investigator Remarks:

Sharif Rahman responded to the site.
02/27/06 Sharif Rahman− On 02/26/06 Sunday I responded to the site. The oilman made delivery to the wrong tank which was almost half full. Approx. 200 gallon came out of the vent line and spreaded over the parking lot and travelled down the street.Mystic was doing the clean up. I suggested to take samples from the vent area. Sewer was impanted. NYC DEP/Sanitation(Mr. Johnson,Shiel#3134) were at the site.Mystic supervisor Michael Heydweiller,(800)635−3855 x211 was coordinating the clean up.Building super is Verny Delao,(212)865−3631,(212)222−1568.
03/16/06 Sharif Rahman− I called the building management office and spoke with Maintenance Director Mr. Matt Gengile,(212)865−3631x204,(201)726−9091. He indicated they did a pretty good clean up− he would convey DEC's concerns regarding the report to Mystic.
06/19/06 Sharif Rahman−EnviroTrac was retained to remove the oil contaminated soil from the vent area. End point samples were taken and analyzed to be clean.NFA required.

Map Identification Number 258 **132ND ST COOLING PLANT** **Spill Number: 8912498** **Close Date: 12/15/2011**
132ND ST COOLING PLANT MANHATTAN, NY TT−Id: 520A−0099−486

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1809 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: 630 WEST 132ND ST
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	CON ED	Spiller Phone:	
Notifier Type:	Responsible Party	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	JMOCONNE	Contact for more spill info:		Contact Person Phone:	

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

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Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
03/08/1990		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIELECTRIC FLUID	PETROLEUM	4000	GALLONS	0	GALLONS	SOIL

Caller Remarks:

Reported by Con Ed as required under Consent Order.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
APPENDIX B SITE NO. 56.

This spill records a feeder leak between the West 132 Street PURS and another substation. The leak is not on the West 132 street site.

01/28/2008: Site Investigation Report (SIR) received by NYSDEC from Con. Edison. See eDocs(MA, 03/2/08)

3/06/08: The Department sent comments letter to Con Ed in response to the SIR. Details in eDocs. (MA)

4/14/08: Langan's response letter on behalf of Con Ed has been received by the Department. Details in eDocs.(MA)

12/15/11 − met at the facility on 12/5/11 with Con Edison Remediation, Substation Operations and consultant (Langan); discussed areas from which release could have occurred, based on description, it is at one of two possible locations; see edocs for the various reports/documents which describe the spill incident and the investigation/remediation efforts that have occurred. Spill closed. (JOC)

Map Identification Number 259 **630 WEST 132 ST BRONX** **Spill Number: 0908202** **Close Date: 01/14/2010**
132 ST PURS PLANT BRONX, NY TT−Id: 520A−0258−203

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1809 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: 630 W 132ND ST
Revised zip code: 10027

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	FEEDER CABLE	Spiller Phone:	
Notifier Type:	Other	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	HRAHMED	Contact for more spill info:	ERT	Contact Person Phone:	(212) 580−8383

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/21/2009		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIELECTRIC FLUID	PETROLEUM	1000	GALLONS	0	GALLONS	

Caller Remarks:

1000 gallons of dielectric fluid spilled , no water ways or drains effected. 630 west 132 st Bronx. UPDATE 1754 5 gallons went onto soil.

DEC Investigator Remarks:

10/22/09−HRAHMED−Responded to the scene. Spill occured due to high pressure in the feeder line M52 from the rupture disc of the substation, which is the engineered weak point. Mostly contained in the concrete moat. Some dielectric fluid seeped through the seam of metal plate and concrete into the soil. ConEd will start cleaning the moat and then start digging the contaminated soil. They will take end point samples to confirm the cleanup.

10/23/09−HRAHMED−Spoke to Chad Pfeiffer (646 235 0196). As per him they have completed initial powerwash inside the PURS unit and excavated as much as possible around the unit. All gross contamination resulting from the spill was recovered from the blue stone/soil. At that excavation depth they hit historic contamination that was previously discovered during excavation in 2007. Any additional excavation might compromise the unit foundation. They lined the excavation with plastic sheeting and absorbent pads to catch any additional oil which might seeps out of the seam on the PURS foundation. ConEd will powerwash inside the PURS unit next week to clean out any residual oil in the moats. Chad forwarded a copy of the work plan submitted to DEC in 2008 to deal with the historic contamination.

10/29/09−HRAHMED−Discussed this with Randall Austin and Jacob Krimgold. As per them since all the gross contamination resulting from the spill is cleaned, this spill case should be closed and the historic contamination should be remediated under earlier spill case 0203037 or as APENDIX B sites.

As per the discussion with Randall Austin and Jacob Krimgold, this spill is closed.

7/21/10 − Austin − Received EMIS for this project − Con Ed’s notes reflect what has been stated above − EMIS entered into eDocs − end

Map Identification Number 260 **W 132ND ST PURS** **Spill Number: 0409055** **Close Date: 01/06/2005**
630 WEST 132ND STREET MANHATTAN, NY TT−Id: 520A−0099−480

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1809 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	INSTITUTIONAL, EDUC, GOV, OTHER	Spiller:	ERT DESK − SUBSTATION	Spiller Phone:	(212) 580−8383
Notifier Type:	Responsible Party	Notifier Name:	PAUL DEDONOTO	Notifier Phone:	(212) 580−6764
Caller Name:	PAUL DEDONOTO	Caller Agency:	CONED	Caller Phone:	(212) 580−6764
DEC Investigator:	JHOCONNE	Contact for more spill info:	ERT DESK	Contact Person Phone:	(212) 580−8383

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/09/2004		EQUIPMENT FAILURE	NO	NO

NO MATERIAL INFORMATION GIVEN FOR THIS SPILL

Caller Remarks:

spilled onto blue stone: clean up is in progress

DEC Investigator Remarks:

e2mis no. 156200:

On 11/9 at 20:30 Edwards # 03829 reported that while at 630 W 132 st Purs at Pre−cooler #1 on
Feeder 51, he discovered a spill a burst of Dielectric fluid from a ruptured disk. Approx one gallon of dielectric hit the
Bluestone. The base of the bluestone is sand. Environemntal tag # 000400 was hung. No samples were take due to Generator
knowledge of Non−PCB. The Bluesone is being shoveled up and a 5−gallon containment pan is being placed under the Blow−down pipe
to catch any further spillage. The unit is not leaking now because the original leak was precipated by a burst of oil buildup.

11/23/04
Operator Mike McGroarty reported to me on 11/18/2004, that this leak has been repaired and can be closed out. The rupture disc on
the 51 s precooler has been replaced. The soiled stone has been removed.

Map Identification Number 261 **MANHATTENVILLE BUS DEPOT** **Spill Number: 9806198** **Close Date: 04/20/2004**
666 WEST 133RD STREET MANHATTAN, NY TT−Id: 520A−0099−502

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1879 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	NYC TRANSIT	Spiller Phone:	
Notifier Type:	Responsible Party	Notifier Name:	JERRY LOVETT	Notifier Phone:	(718) 243−4581
Caller Name:	ERIC JONES	Caller Agency:	NYC TRANSIT	Caller Phone:	(718) 243−4581
DEC Investigator:	MCTIBBE	Contact for more spill info:	ERIC JONES	Contact Person Phone:	(718) 243−4581

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/19/1998		HUMAN ERROR	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
MOTOR OIL	PETROLEUM	100.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

pipe was left disconnected in pump room − spill is contained and cleanup has started

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
10/9/03 − AUSTIN − TRANS. FROM HALE TO TIBBE − END

04/20/02 − According to NYCT's records, there was a delivery of motor oil to the wrong tank, which also happened to be under repair, resulting in a 100−400 gallon spill. The spill was contained in the bulk fluids room, which has no drains, and was cleaned by inhopuse personnel and an outside contractor.

Map Identification Number 262 **MANHATTANVILLE DEPOT** **Spill Number: 0310991** **Close Date: 12/31/2003**
666 WEST 133RD STREET NEW YORK, NY TT−Id: 520A−0099−509

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1879 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	UNKNOWN	Spiller:	JOSEPHINE BROWN − NYCT	Spiller Phone:	(718) 243−4581
Notifier Type:	Local Agency	Notifier Name:	SHERRY BULKLEY	Notifier Phone:	(718) 243−4581
Caller Name:	SHERRY BULKLEY	Caller Agency:	NYC TRANSIT	Caller Phone:	(718) 243−4581
DEC Investigator:	MCTIBBE	Contact for more spill info:		Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/26/2003		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
PROPYLENE GLYCOL	OTHER	100.00	GALLONS	0.00	GALLONS	GROUNDWATER

Caller Remarks:

Details still underway−underground pipe−some amount into a drain−unk if oil/water separator−caller is into work now−more details after 800am−will re contact when available

*****UPDATE*** PROPYLENE GLYCOL**** NOT ANTIFREZE NOTIFIED CLEAN UP CO. PUMPED LIQUID OUT.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
Broken gasket on a ceiling heating unit caused spill of propylene glycol to a drain which leads to an oil/water seperator.
Unknown how much passed thru the seperator but 1800 gallons of possible contaminated water was removed from the seperator.
NYCDEP notified #733425.

Map Identification Number 263 **FEEDER M52** **Spill Number: 9815046** **Close Date: 09/25/2007**
BROADWAY / 123RD ST NEW YORK CITY, NY TT−Id: 520A−0094−493

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2054 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: BROADWAY / W 123RD ST
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	CALLER − CON ED	Spiller Phone:	(212) 580−6763
Notifier Type:	Responsible Party	Notifier Name:	MR RHEIN	Notifier Phone:	
Caller Name:	BILL MURPHEY	Caller Agency:	CON ED	Caller Phone:	(212) 580−6763
DEC Investigator:	JHOCONNE	Contact for more spill info:	BILL MURPHEY	Contact Person Phone:	(212) 580−6763

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.

Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
03/19/1999		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIELECTRIC FLUID	PETROLEUM	329.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

FEEDER LINE RUNS BETWEEN THE 2 STATIONS (SECOND STATION ON TUCKAHOE

ROAD IN YONKERS) THERE IS A DISCREPENSY IN THE AMOUNT OF OIL

IN THE RESERVE TANK − STILL UNDER INVESTIGATION

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"

3/21/99: Leak located at Broadway and 123rd St., Manhattan.

3/22/99, 10:15 AM: met at site with Joe Floryshak (Con Ed Remediation). East wall of excavation is TA subway roof. West and bottom are bedrock. North and south are soil. Will take one composite and one grab sample from each of 2 end walls (N & S) for BTEX, TPH df. (JHO)

3/22/99: ERT Bill Wallace called − updated leak amount is 525 gallons. (JHO)

APPENDIX B SITE NO 69, release 7.

7/17/01, 3:18 PM − e−mail from Leon Paretsky:
"Jane − as discussed here are our sampling grids for old, historic spills. TCLP benzene will be taken at the repair location − center and east and west walls. I've highlighted the benzene sample location in yellow. Please call me if you have any questions.

"(A) Leak at 12rd Street {historic leak} E2MIS NO. 138256;(reference old 123721):

_____ east wall

EN16 EN12 EN8 EN4 E0 ES4 ES8 ES12 ES16

– – – – – – – – – – – – – <repair> – – – – – – – – – – – – M52

CN16 CN12 CN8 CN4 X C0 CS4 CS8 CS12 CS16

– M51

WN16 WN12 WN8 WN4 W0 WS4 WS8 WS12 WS16

_____ westwall

Samples are to be taken at 4 foot interval, along the bottom of the trench (location "C"); along the East Wall (location "E") and along the West Wall (location "W"). The "wall" samples are to be taken 3 to 6 inches off the bottom of the excavation. Each location will we analyized for TCLP benzene (at locations EO, CO and WO) and dielectric fluid by method 8100." (JHO)

e2mis no. 123−721

11/13/03: spill submitted for closure by Con Ed S&TO. Returned to Con Ed with comments: "According to Leon Paretsky's 7/17/01 e−mail, post−excavation samples were collected, but results were not submitted." (JHO)

7/28/04: Site investigation work plan submitted for Appendix B site 69,which includes this release. Work plan proposes no investigation for this release. (JHO)

11/22/04: Comment letter sent requesting investigation unless post−excavtion sample results can be provided. (JHO)

2/23/05: revised SIWP submitted, with post−excavation sample results for metals, VOCs and SVOCs included. (JHO)

4/25/05: SIWP approved. (JHO)

9/21/07: Con Ed (Mike Pillig) send e−mail indicating that lab results were entered into the e2mis report in December 2005, but was never re−submitted to DEC for review. He also submitted the results (see eDocs0. All post−excavation results less than 10,000 ppm TPH. OK to close. (JHO)

Map Identification Number 264 **BROADWAY/W. 136TH ST.** **Spill Number: 8102007** **Close Date: 03/06/2008**
BROADWAY/W. 136TH ST MANHATTAN, NY TT−Id: 520A−0090−876

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2077 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	CON ED	Spiller Phone:	
Notifier Type:	Responsible Party	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	JHOCONNE	Contact for more spill info:		Contact Person Phone:	

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
03/26/1982		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIELECTRIC FLUID	PETROLEUM	2500	GALLONS	0	GALLONS	SOIL

Caller Remarks:

Reported by Con Ed as required under Consent Order.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
APPENDIX B SITE NO. 56.

01/28/2008: Site Investigation Report (SIR) dated January 28, 2008 received by NYSDEC from Con. Edison. See eDocs(MA, 03/2/08)

03/6/08: Site Investigation (SIR) soil analytical results indicate that concentrations of compounds are below NYSDEC RSCO. Spill closed, Site Investigation Report details documented in eDocs. (MA)

Map Identification Number 265 **PVT DWELLING** **Spill Number: 0911001** **Close Date: 01/14/2010**
224 WEST 132ND ST NEW YORK, NY TT−Id: 520A−0248−515

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2219 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING
Notifier Type: Other
Caller Name:
DEC Investigator: HRAHMED

Spiller: SOUTH CAROLINA HEAT
Notifier Name:
Caller Agency:
Contact for more spill info: NATASHA

Spiller Phone:
Notifier Phone:
Caller Phone:
Contact Person Phone: (212) 234−5900

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/12/2010		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	275.00	GALLONS	0.00	GALLONS	

Caller Remarks:

hole in bottom of 275gal tank/loss of 275gals oil to basement floor/clean up underway

DEC Investigator Remarks:

01/12/10−HRAHMED−Responded to the site. Met with the homeowner, Brent Edwards (212 281 7475) and his wife. Eastmond was onsite cleaning up the spill witha vac truck. The spill happened due to a leak in one of the two 275 gal AST on the basement floor. Eastmond put speedy dry on the floor, emptied the leaking tank to 55 gal drums. Noticed petroleum odors in the basement. Suggested the home owner to close 2nd & 3rd floor windows to stop oil odor. Eastmond will fix the fill line to the 2nd tank to make it workable. The house will get heat from the 2nd tank.

01/15/10−HRAHMED−Spoke to Ms Edwards. As per her, Eastmond cleaned up the speedy dry and tookaway all extra oil from the basement. The basement floor was in good condition. No sewer was affected. There is no petroleum odor in the basement.

This case is closed.

Map Identification Number 266 **SPILL NUMBER 9910909** **Spill Number: 9910909** **Close Date: 07/24/2003**
527 1/2 MANHATTAN AVE MANHATTAN, NY TT−Id: 520A−0093−574

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2262 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	TANK TRUCK	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Affected Persons	Notifier Name:	STEVEN WILLIAMS	Notifier Phone:	(212) 662−4604
Caller Name:	STEVEN WILLIAMS	Caller Agency:	CITIZEN	Caller Phone:	(212) 780−7464
DEC Investigator:	SMSANGES	Contact for more spill info:	STEVEN WILLIAMS	Contact Person Phone:	(212) 662−4604

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/13/1999		HUMAN ERROR	NO	NO

NO MATERIAL INFORMATION GIVEN FOR THIS SPILL

Caller Remarks:

CALLER REPORTING THAT AN UNKNOWN OIL COMPANY DELIVERED OIL TO THE WRONG RESIDENCE, CALLERS HOME. CALLER USES GAS. THEY DID RESPOND AND PLACE DOWN ABSORBANTS. OIL COMPANY HAS NOT RETURNED TO FINISH CLEAN UP TODAY. REQ DEC CALL BACK.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SANGESLAND"

Map Identification Number 267 **121ST & AMSTERDAM AVE** **Spill Number: 9108722** **Close Date: 11/18/1994**
121ST ST & AMSTERDAM AVE MANHATTAN, NY TT−Id: 520A−0096−449

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2264 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: W 121ST ST/AMSTERDAM AVE
Revised zip code: NO CHANGE

Source of Spill:	INSTITUTIONAL, EDUC, GOV, OTHER	Spiller:	COLUMBIA UNIVERSITY	Spiller Phone:	(212) 678−3333
Notifier Type:	Local Agency	Notifier Name:		Notifier Phone:	
Caller Name:	STUSO	Caller Agency:	NYC FD HAZ MAT	Caller Phone:	(718) 753−1424
DEC Investigator:	SIGONA	Contact for more spill info:		Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − DEC Field Response − Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/14/1991	11/18/1994	HUMAN ERROR	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	150.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

CON ED, DEP, FD ON SCENE. SAND PUT DOWN BY STREET CLEANERS.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 268 **MANHOLE # 44896** **Spill Number: 0409134** **Close Date: 09/19/2008**
SE CORNER OF W 128TH/7TH NEW YORK, NY TT−Id: 520A−0101−457

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2483 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: W 128TH / 7TH AVE
Revised zip code: NO CHANGE

Source of Spill:	INSTITUTIONAL, EDUC, GOV, OTHER	Spiller:	ERT DESK − MANHOLE # 44896	Spiller Phone:	(212) 580−8383
Notifier Type:	Responsible Party	Notifier Name:	PAUL DEDONOTO	Notifier Phone:	(212) 580−6764
Caller Name:	PAUL DEDONOTO	Caller Agency:	CONED	Caller Phone:	(212) 580−6764
DEC Investigator:	JHOCONNE	Contact for more spill info:	ERT DESK	Contact Person Phone:	(212) 580−8383

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/11/2004		EQUIPMENT FAILURE	NO	NO

NO MATERIAL INFORMATION GIVEN FOR THIS SPILL

Caller Remarks:

e2MIS # 156212.

DEC Investigator Remarks:

09/19/08 − See eDocs for Con Ed report detailing cleanup and closure.

11−11−04 @ 06:20 A Figuereo #84445 reports that while working on feeder 2m23 in m44896, located @ sec w 128 St & 7 Ave, he discovered 1/2 gallon of dielctric fluid that had leaked from a 3w1w joint on the feeder he was working on and also discovered 1/2 gallon of unknown oil coming from a duct on the south wall of the structure. There was or is no smoke or fire involved. No sewer or waterway affected. No injuries and weather had no affect. The source of one leak is a joint and the other is possibly the cable. Spill is on concrete. No private property affected. Environmental yellow tag 41246 was applied. As per conduit plate 53−g−1 there is a sewer connection to this structure. Three samples were taken by A Figuereo #84445 from the spills, 1 for pcb from the joint and 1 for id and pcb from the duct. Chain of custody # dd20572. Sample priority "e". D−fault sign 01378 was placed in the structure due to the possibility that the leak from the duct is coming from cable. Cleanup is pending safe access. CIG P Didonato # 01669 notified bt R Pagano @ 06:32...J Moran #01182

Map Identification Number 269 **238 WEST 136TH ST** **Spill Number: 9605429** **Close Date: 07/13/2005**

238 WEST 136TH ST NYC, NY TT−Id: 520A−0093−610

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2568 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	PRIVATE DWELLING	Spiller:	DONALD BRAITHWAITE	Spiller Phone:	(212) 281−5676
Notifier Type:	Other	Notifier Name:	MIKE SHAW	Notifier Phone:	(718) 596−6212
Caller Name:	MIKE SHAW	Caller Agency:	WALCO	Caller Phone:	(718) 596−6212
DEC Investigator:	JXPerezM	Contact for more spill info:	DONALD BRAITHWAITE	Contact Person Phone:	(212) 281−5676

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP − No DEC Field Response − Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/27/1996		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	100.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

hole in suction line − underground

DEC Investigator Remarks:

1. This spill case was reassigned from DEC (SIGONA) to PEREZ on 06/13/2005.

2. Spill closed on 07/13/2005. Letter from the property owner claimed that all the repairs were completed. By J. Perez on 07/13/05.

Map Identification Number 270 **91 CLERMONT AVE/RIVERSIDE** **Spill Number: 8800323** **Close Date: 02/27/1989**
91 CLERMONT AVE NEW YORK CITY, NY TT−Id: 520A−0096−451

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2616 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: 91 CLAREMONT AVE
Revised zip code: NO CHANGE

Source of Spill: TANK TRUCK Spiller: AMERADA HESS Spiller Phone: (201) 489−5100
Notifier Type: Other Notifier Name: Notifier Phone:
Caller Name: FRANK LENDINO Caller Agency: PETROLEUM TANK CLEANERS Caller Phone: (718) 624−4842
DEC Investigator: SIGONA Contact for more spill info: Contact Person Phone:

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/09/1988	02/27/1989	TANK OVERFILL	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	300.00	UNKNOWN	0.00	UNKNOWN	SOIL

Caller Remarks:

TANK OVERFILL IN BASEMENT, FLOOR WAS PUMPED AND CLEANED, PUT DOWN DRYSOLE. CLEAN−UP WAS COMPLETED AND INSPECTED BY DEC SIGONA FOR EVALUATION.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

THE FOLLOWING CLOSED SPILLS FOR THIS CATEGORY WERE REPORTED BETWEEN 1/8 MILE AND 1/2 MILE FROM THE SUBJECT ADDRESS. THESE SPILLS WERE REPORTED TO BE LESS THAN 100 UNITS IN QUANTITY AND CAUSED BY: EQUIPMENT FAILURE, HUMAN ERROR, TANK OVERFILL, DELIBERATE SPILL, TRAFFIC ACCIDENT, HOUSEKEEPING, ABANDONED DRUM, VANDALISM OR STORMS. THESE SPILLS ARE NEITHER MAPPED NOR PROFILED IN THIS REPORT.

FACILITY ID	FACILITY NAME	STREET	CITY
9107150	409 W 129TH ST	409 W 129TH ST	NYC
9614373	SAFA REALTY ASSOC	1350 AMSTERDAM AVE	MANHATTAN
9401006	419 W. 128TH STREET	419 W. 128TH STREET	MANHATTAN
0650579	ST MARY CENTER	516 WEST 126TH ST	MANHATTAN
0604040	GROUND	516 WEST 126TH ST	MANHATTAN
1107837	APARTMENT BUILDING	102 CONVENT AVE	MANHATTEN
9812694	SPILL NUMBER 9812694	501 WEST 125TH ST	MANHATTAN
1112132	CITY OWNED VACANT BLDG	461 WEST 125TH ST	NEW YORK
0106979	RESI: SINGER	25−35 ST NICHOLAS TERR	MANHATTAN
0101812	VAULT # 1038	IFO 527 W 125TH ST	MANHATTAN
0810100	ROADWAY	125TH ST & AMSTERDAM AVE	MANHATTAN
9808605	SPILL NUMBER 9808605	545 WEST 125TH STREET	MANHATTAN
0004041	133 STREET AT	AMSTERDAM AVENUE	NEW YORK CITY
1113203	LOADING DOCK CITY COLLEGE CUNY	141 CONVENT AVE	MANHATTAN
9813261	OPPOSITE	445 WEST 125TH ST	MANHATTAN
0709919	APARTMENT BLDG	556−560 WEST 126TH ST	NEW YORK
1310876	SIDEWALK	567 W125TH ST	MANHATTAN
0412648	APARTMENT BUILDING	1484 AMSTERDAM AVE	MANHATTAN
0910683	E/B AMSTERDAM AVE BWT 133RD & 134TH ST	E/B AMSTERDAM AVE BWT 133RD & 134TH ST	MANHATTAN
0810594	SIDEWALK	566 W. 126TH ST	MANHATTAN
9612101	MOBIL S/S	3260 BROADWAY	NEW YORK
9914395	GRANT HOUSES −NYCHA	1320 AMSTERDAM AVE	MANHATTAN
0110151	55 LA SALLE ST	55 LA SALLE ST	MANHATTAN
0010314	GRANT HOUSES −NYCHA	1330 AMSTERDAM AV	MANHATTAN
0009755	MANHOLE 412	WEST 124TH ST & 10TH AVE	NEW YORK
0607205	TRANSIT	BROADWAY/125TH	MANHATTAN
0504915	BUS−STREET SPILL	125TH / BROADWAY	MANHATTAN
9410247	545 W. 133RD STREET	545 W. 133RD STREET	MANHATTAN
1111299	MAN HOLE 61734	BROADWAY AND TIEMANNS PLACE	MANHATTAN

9904142	YOBANI SERVICE CENTER	3249 BROADWAY	MANHATTAN
9510369	KATZ BROS PAINT CORP	603 W.125TH ST	NEW YORK
1305432	CON EDISON FEEDER LEAK AT MANHOLE #1799	BROADWAY/132ND ST	MANHATTAN
0412212	MANHOLE 61799	BROADWAY & 132ND STREET	MANHATTAN
0208798	ROADWAY	132ND ST/BROADWAY	MANHATTAN
1101862	APARTMENT	1315 AMSTERDAM AVE	MANHATTAN
1300998	COMMERCIAL CONSTRUCTION SITE	3251 BROADWAY AVE	NEW YORK
1213064	COLUMBIA UNIV	602 WEST 131ST ST	NEW YORK
9912971	SPILL NUMBER 9912971	1508 AMSTERDAM AVE	NEW YORK
9303250	GAS TANK RUPTURE ON TRUCK	603 WEST 130TH ST	MANHATTAN
1010768	AUTOMOBILE LEAKING TO SEWER	31 TIEMANN PL	MANHATTAN
0201036	BRADFORD RES	31 TIEMANN AVE	MANHATTAN
1309293	CONSTRUCTION SITE	603 WEST 129TH STREET	MANHATTAN
1009301	APARTMENT BUILDING	301 ST. NICHOLAS AVE	MANHATTAN
9710118	3163 BROADWAY	3163 BROADWAY	MANHATTAN
1206105	CONCRETE	604 W 131ST ST	NEW YORK
9500164	302 WEST 128TH STREET	302 WEST 128TH STREET	MANHATTAN
9209732	302 WEST 128TH STREET	302 WEST 128TH STREET	MANHATTAN
9104865	302 WEST 128TH ST/MANH	302 WEST 128TH STREET	NEW YORK CITY
1205375	COLUMBIA UNIVERISTY/MANHATTANVILLE	613 WEST 129 ST	MANHATTAN
1109799	SHAFT 33 DEP PROJECT	135TH ST AND CONVENT AVE	NEW
1008531	GROUNDWATER	135TH ST AND CONVENT AVE	MANHATTAN
0601780	COLLEGE	616 WEST 126TH STREET	MANHATTAN
0110957	SPILL NUMBER 0110957	310 W 127TH ST	MANHATTAN
9800022	516 WEST 135TH ST	516 WEST 135TH ST	MANHATTAN
9411770	LASCREE BAPTIST CHURCH	362 W. 125TH ST	MANHATTAN
8604350	SULLIVAN	533 134TH ST	NEW YORK CITY
0211732	WOLF AMOCO STATION	117 MORNINGSIDE AV	MANHATTAN
0890219	208058; A AMSTERDAM AVE; AMSTERDAM AV LA SALLE ST A W123	AMSTERDAM AVE; AMSTERDAM AV LA SALLE ST W 123	
0201176	VAULT 9192	8TH AVE/W 131ST ST	MANHATTAN
0504946	BUS #5559	125TH ST & ST NICHOLAS AVE	MANHATTAN
9304786	3147 BROADWAY	3147 BROADWAY	MANHATTAN
9911670	1532 AMSTERDAM AVENUE	1532 AMSTERDAM AVENUE	MANHATTAN
0207815	SPILL NUMBER 0207815	111 MORNINGSIDE AVE	MANHATTAN
0107208	SPILL NUMBER 0107208	288 ST NICHOLAS AV	NEW YORK
0203453	ROADWAY	136TH ST & AMSTERDAM AVE	MANHATTAN
1000191	APARTMENT BUILDING	518 WEST 136TH ST	MANHATTAN
9701417	500 WEST 123RD ST	500 WEST 123RD ST	MANHATTAN
9910685	WEST 132ND ST PURS	630 WEST 132ND STREET	MANHATTAN
9808980	W132ND ST PURS	630 W. 132ND ST	NEW YORK
0900021	CON ED PURS SUB STATION	630 WEST 132ND ST	MANHATTAN
0713310	PURS 52 S COOLING PLANT − GLYCOL PUMP	630 WEST 132 STREET. PURS PLANT	MANHATTAN
0712654	5 GAL ANTIFREEZE AT PURS − PLANT 52N	630 WEST 132 STREET. PURS	MANHATTAN
0507547	WEST 132 ST PURS UNIT R4 (M52S)	630 WEST 132ND STREET	MANHATTAN

0307158	PURS SUB STATION	630 WEST 132ND STREET	MANHATTAN
0302028	630 WEST 132ND ST BETWEEN	8TH AND 9TH AVENUE	MANHATTAN
0208007	PUR FACILITY	630 WEST 132ND STREET	MANHATTAN
0108373	W. 132ND ST. PURS	630 WEST 132ND STREET	MANHATTAN
0108025	132ND ST PURS UNIT R1 (M51N)	W 132ND ST & 12TH AVE	MANHATTAN
0107900	W 132ND ST PURS UNIT R4 (M52S)	632 W 132ND ST	MANHATTAN
1206185	MUNROE RESIDENCE	274 W132ND ST	NEW YORK
9910397	PS 36	123 MORNINGSIDE DRIVE	MANHATTAN
9805070	SPILL NUMBER 9805070	WEST 124TH ST/ST NICHOLAS	MANHATTAN
0704923	XFMR IN MANHOLE #1890 HAS LEAKING	TIEMANN PLACE & RIVERSIDE DRIVE	MANHATTAN
9800505	HARLEM USA	2319 FREDERICK DOUGLASS BLVD	NEW YORK
9305036	605 WEST 132ND STREET	605 WEST 132ND STREET	MANHATTAN
1400391	MANHATTANVILLE DEPOT	666 WEST 133 ST	NEW YORK
1200589	MANHATTANVILLE BUS DEPO	666 W 133RD ST	MANHATTAN
1006223	BUS DEPOT	666 W 133RD ST	NEW YORK
0913430	MANHATTANVILLE DEPOT	132ND ST	MANHATTAN
0908651	BUS DEPOT	633 WEST 133RD ST	MANHATTAN
0906999	MANHATTAN VILLE DEPOT	666 WEST 133RD ST	NEW YORK
0905198	MANHATTANVILLE BUS DEPOT	666 WEST 133RD ST	MANHATAN
0903945	NYC TRANSIT	666 WEST 133RD ST	MANHATTAN
0813985	MANHATTANVILLE BUS DEPOT	666 WEST 132ND ST	MANHATTAN
0812001	MANHATTANVILLE DEPOT	666 WEST 133RD ST	MANHATTAN
0808788	NYC TRANSIT BUS DEPOT	130 2ND ST AND BROADWAY	MANHATTAN
0800873	MANAHATENVILLE DEPOT	666 WEST 133RD ST	NEW YORK
0506908	MANHATTANVILLE DEPOT	663 WEST 133RD ST	MANHATTAN
0313869	MANHATTENVILLE BUSDEPOT	2231 12TH AVE	NEW YORK
0310663	MANHATTAN DEPOT	23−21 12TH AVE	MANHATTAN
0204060	MANHATTANVILLE DEPOT	666 WEST 133RD STREET	MANHATTAN
0203317	MANHATTANVILE DEPOT	666 WEST 133RD STREET	MANHATTAN
0111911	MAHATTANVILLE DEPOT	666 WEST 132ND ST	MANHATTAN
0111827	MANHATTANVILLE DEPOT −−NYCT	666 W.133TH ST	NEW YORK
0111763	MANHATTANVILLE DEPOT	666 WEST 133RD STREET	MANHATTAN
0007676	MANHATTANVILLE BUS DEPOT	666 WEST 133RD STREET	MANHATTAN
8908357	COLUMBIA UNIVERSITY	560 RIVERSIDE DRIVE	MANHATTAN
0212031	COLUMBIA UNIVERSITY	560 RIVERSIDE DR	MANHATTAN
9210863	273 W. 132ND ST.	273 W. 132ND ST.	MANHATTAN
9901882	SPILL NUMBER 9901882	3333 BROADWAY	MANHATTAN
9511601	RIVERSIDE PARK COMMUNITY	3333 BROADWAY	MANHATTAN
1212834	#6 FUEL OIL SPILL TO SIDEWALK	3333 BROADWAY	MANHATTAN
1206878	VAULT ROOM 8817	600 W 135 ST	MANHATTAN
1110309	PAVEMENT	3333 BROADWAY	NEW YORK
0909388	PVT DWELLING COMPLEX	3333 BROADWAY	NEW YORK
0313553	3333 BROADWAY	3333 BROADWAY	MANHATTAN
0109750	SPILL NUMBER 0109750	3333 BROADWAY	MANHATTAN

1206166	TANK ROOM	98 MORNING SIDE AVE	NEW YORK
9414589	8TH AVENUE WEST 125TH ST.	8TH AVE & W 125TH ST	MANHATTAN
9412022	214 W. 131ST STREET	214 W. 131ST STREET	MANHATTAN
0212531	271 WEST 125TH ST	271 WEST 125TH ST	NEW YORK CITY
9511225	ST NICHOLAS HOUSING	2406 8TH AVE	NYC
9315510	ST. NICHOLAS HOUSES	2406 8TH AVENUE	MANHATTAN
1006621	E, J, AND P CORP.	250 WEST 132 ST.	MAHATTAN
0300342	SPILL NUMBER 0300342	181 CONVENT AVE	NEW YORK
9900114	MANHOLE 27788	123RD ST AND B'WAY	NY
0111871	COLUMBIA UNIVERSITY	126−130 MORNINGSIDE DR	NEW YORK
0913811	ABANDONED BUILDING	242 WEST 132ND ST.	MANHATTAN
1100713	MANHATTANVILLE DEPOT	666 WEST 132 ST	MANHATTAN
1010825	MANHATTANVILLE STATION	666 WEST 132ND	NEW YORK
0101189	SERVICE BOX	280 WEST 125TH ST	MANHATTAN
0106808	SPILL NUMBER 0106808	349 WEST 122ND ST	MANHATTAN
0204215	INTERSECTION	135TH ST/8TH AVE	MANHATTAN
0101790	135TH ST AT	135TH ST & 8TH AV	MANHATTAN
1011880	VAULT 9439 AND 9347	1537 AMSTERDAM AVE	MANHATTAN
0513475	VAULT 9347	1537 AMSTERDAM AVE	MANHATTAN
0411993	V5878	155 CLEMOUNT AVE	NEW YORK
9311391	540 MANHATTAN AVE	540 MANHATTAN AVE.	MANHATTAN
9206963	540 MANHATTAN AVE	540 MANHATTAN AVE	NY
0400030	APT. BUILDING/SIDEWALK	540 MANHATTAN AVE.	MANHATTAN
0212841	SPILL NUMBER 0212841	540 MANHATTAN AV	MANHATTAN
1304039	HUDSON RIVER	ST CLARE'S PL AND 12TH AVE	MANHATTAN
9508857	COLUMBIA UNIVERSITY	520 WEST 122ND ST	MANHATTAN
9512453	CLEAN TEX	2335 12TH AVE	NEW YORK
9713635	SPILL NUMBER 9713635	2290 12TH AVE	NEW YORK
1010126	ALLEY WAY SIDEWALK	625 WEST 135TH STREET	MANHATTEN
0400646	APARTMENT HOUSE	630 WEST 135TH ST.	MANHATTAN
0110060	UNK CHINESE REST	121ST ST/AMSTERDAM AV	MANHATTAN
0412115	SINGLE FAMILY RESD	344 W 122ND ST	MANHATTAN
1009844	SOIL	2300 FREDERICK DOUGLAS BLVD	NEW YORK
0600744	MANHOLE #24708	WEST 138TH ST & AMSTERDAM AVE	MANHATTAN
9508032	320 W. 137TH STREET	320 W. 137TH STREET	NEW YORK
0104150	CONSTRUCTION SITE	BROADWAY SIDE OF 122ND ST	MANHATTAN
0103303	OPEN EXCAVATION	W 122ND ST/BROADWAY	NEW YORK CITY
0802034	APARTMENT BUILDING	414 WEST 121ST	NEW YORK
0609739	TEACHERS COLLEGE	106 MORNING SIDE DRIVE	NEW YORK
0306996	SPILL NUMBER 0306996	602 WEST 137TH ST	MANHATTAN
0008664	MANHOLE #32636	W 123RD ST & DOUGLASS BLVD	NEW YORK
0511499	APRT BUILDING	575 RIVERSIDE DRIVE	MANHATTAN
9209622	231 WEST 125TH ST	231 WEST 125TH ST	NEW YORK
1307550	#2 FUEL OIL SPILL	204 − 206 WEST 133RD ST	MANHATTAN

0501822	WARDS ISLAND	135TH ST & 12TH AVE	NEW YORK
9508851	537 W. 121ST STREET	537 W. 121ST STREET	NEW YORK CITY
1000694	MVA	537 WEST 121ST ST	MANHATTAN
9908837	260 W. 136TH ST	260 W 136TH ST	MANHATTAN
1013052	APARTMENT BLDG	201−206 WEST 133RD ST	MANHATTAN
9608598	362 WEST 121ST STREET	362 WEST 121ST STREET	MANHATTAN
0811656	TANK ROOM	1590 AMSTERDAM AVE	NYC
0405729	MANHOLE #44921	7TH AVE & 131ST STREET.	MANHATTAN
0107657	MAN HOLE 44921	WEST 131ST/ADAMCLATON BL	MANHATTAN
0013566	MANHOLE #1893	W 131ST ST & 7TH AV	MANHATTAN
9910346	COLUMBIA UNIVERSITY	516 WEST 121ST ST	MANHATTAN
9810611	UNION THEOLOGICAL	3040 BROADWAY	MANHATTAN
9413594	516 W. 121ST ST	516 WEST 121ST STREET	MANHATTAN
8910364	516 WEST 121ST ST/MANH	516 WEST 121ST STREET	NEW YORK CITY
0602531	MANHOLE #32625	WEST 122 STREET & 8 AVENUE	MANHATTAN
0402482	ON ROAD	AMSTERDAM AVE/139 ST	MANHATTAN
9907854	MNAHOLE #27873	138TH ST & BROADWAY	MANHATTAN
9703937	APARTMENT BLDG	223 WEST 135TH ST	MANHATTAN
0010174	IFO 593 RIVERSIDE DR	IFO 593 RIVERSIDE DR	MANHATTAN
1309596	APARTMENT BUILDING	259 WEST 136TH STREET	NEW YORK
0007545	HUDSON RIVER	134TH ST AT HUDSON RIVER	MANHATTAN
0813309	STREET	3041 BROADWAY	MANHATTAN
0709891	UNION THEOLOGICAL SEMINAR	3041 BROADWAY	NEW YORK
0513458	MANHOLE 44877	126TH ST & 7TH AVE	MANHATTAN
0004219	MH 21549	133RD ST & 7TH AV	MANHATTAN
9814950	SPILL NUMBER 9814950	80 EDGECOMBE AVE	MANHATTAN

NO OIL STORAGE FACILITIES LARGER THAN 400,000 GALLONS IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS

PETROLEUM BULK STORAGE FACILITIES LESS THAN 400,000 GALLONS IDENTIFIED WITHIN THE 1/8 MILE SEARCH RADIUS

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 271 **1405 AMSTERDAM AVENUE** **Facility Id: 2−610375** **Source: NYS DEC**
1405 AMSTERDAM AVENUE NEW YORK, 10027 TT−Id: 640A−0029−870

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 154 feet to the WNW*

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Type: Apartment Building/Office Building
Site Status: Active
Expiration Date of the facility's registration certificate: 06/16/2016
Operator Name: WILSON SANCHEZ
Operator Phone #: (646) 351−7274
Owner Name: JOHN SCHROEDER − AGENT
Owner Company: AMSTERDAM CONVENT REALTY ASSOCIATES LP
Owner Type: Corporate or Commercial
Owner Address: 161 SUFFOLK STREET, NEW YORK, NY 10002

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	#2 Fuel Oil	3000	Abovegrnd − In Contact w/Imperv. Barrier	06/16/2006		

TANK NUMBER: 001
TANK EXT. PROTECTION: Painted/Asphalt Coating
PIPING EXT. PROTECTN: Original Sacrificial Anode
PIPING TYPE: Steel/Carbon Steel/Iron
OVERFILL PROTECTION: Product Level Gauge (A/G)
TANK TYPE: Steel/Carbon Steel/Iron
TANK LEAK DETECTN: Imperv. Barrier/Concrete Pad (A/G)
PIPING LEAK DETECTN: None
PIPING LOCATION: Aboveground
SPILL PREVENTION: None
TK INT. PROTECTION: None
TK SEC. CONTAINMNT: Diking (Aboveground)
PIPE SEC. CONTAINMNT: None
DISPENSER METHOD: Suction

Map Identification Number 272 **48 CONVENT AVE.** **Facility Id: 2−601019** **Source: NYS DEC**
48 CONVENT AVE. NYC, 10027 TT−Id: 640A−0031−765

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 198 feet to the ESE*

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Type: Apartment Building/Office Building
Site Status: Active
Expiration Date of the facility's registration certificate: 10/21/2017
Operator Name: DEREK PARSONS
Operator Phone #: (212) 863−8321
Owner Name: WILLA H. PADGETT − ASST COMM. DAMP
Owner Company: NYC/HPD/DAMP
Owner Type: Local Government
Owner Address: 100 GOLD ST #7L2, NEW YORK, NY 10038

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
1	In Service	#2 Fuel Oil	5000	Aboveground − In Contact with Soil	01/01/1910		

TANK NUMBER: 1
TANK TYPE: Steel/Carbon Steel/Iron
TK INT. PROTECTION: None
TANK EXT. PROTECTION: Painted/Asphalt Coating
TANK LEAK DETECTN: None
TK SEC. CONTAINMNT: Vault (w/o access)
PIPING EXT. PROTECTN: None
PIPING LEAK DETECTN: Exempt Suction Piping
PIPE SEC. CONTAINMNT: None
PIPING TYPE: Steel/Carbon Steel/Iron
PIPING LOCATION: Aboveground/Underground Combination
OVERFILL PROTECTION: Vent Whistle
SPILL PREVENTION: None
DISPENSER METHOD: Suction

Map Identification Number 273 **AMSTERDAM BUS DEPOT** **Facility Id: 2−190403** **Source: NYS DEC**
1381 AMSTERDAM AVENUE NEW YORK, 10027 TT−Id: 640A−0030−634

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 220 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Type: Trucking/Transportation/Fleet Operation
Site Status: Active
Expiration Date of the facility's registration certificate: 06/05/2017
Operator Name: NYC TRANSIT
Operator Phone #: (212) 690−9602
Owner Name: −
Owner Company: NYC TRANSIT
Owner Type: MTA and Its Subsidiaries
Owner Address: 2 BROADWAY, NEW YORK, NY 10004

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
003	Closed − In Place	Diesel	5000	Underground	10/01/1992		07/01/1997
004	Closed − In Place	Diesel	5000	Underground	10/01/1992		07/01/1997
005	Closed − In Place	Diesel	5000	Underground	10/01/1992		07/01/1997
006	Closed − In Place	Diesel	5000	Underground	10/01/1992		07/01/1997
AMS−1	Closed − In Place	Lube Oil	1000	Underground	01/01/1963		09/01/1998
AMS−2	Closed − In Place	Other	550	Underground	07/01/1997		07/01/1997
009	Closed − In Place	#2 Fuel Oil	15000	Aboveground − In Contact with Soil			

**** TANK INFO CONTINUES ON NEXT PAGE ****

DSL−1	Closed − Removed	Diesel	4000	Aboveground on Crib Rack or Cradle	01/01/1993	10/19/2007
DSL−2	Closed − Removed	Diesel	4000	Aboveground on Crib Rack or Cradle	01/01/1993	10/19/2007
AMS−5	Closed − Removed	#2 Fuel Oil	4000	Aboveground − In Contact with Soil	01/01/1993	03/01/2001
W/O−1	In Service	Waste Oil/Used Oil	500	Aboveground on Crib Rack or Cradle	06/01/1996	
AMS−7	Administratively Closed	Other	500	Aboveground − In Contact with Soil	06/01/1996	
HO−1	In Service	#2 Fuel Oil	15000	Aboveground on Crib Rack or Cradle	01/01/1993	
AMS−8	Closed − In Place	Lube Oil	1080	Underground		
M/O−1	In Service	Lube Oil	1000	Aboveground on Crib Rack or Cradle	08/01/1998	
LIFT−1	Tank Converted to Non−Regulated Use	Other	400	Aboveground − In Contact with Soil		
LIFT−2	Tank Converted to Non−Regulated Use	Other	400	Aboveground − In Contact with Soil		
LIFT−3	Tank Converted to Non−Regulated Use	Other	400	Aboveground − In Contact with Soil		
ATF−1	In Service	Other	1000	Aboveground on Crib Rack or Cradle	12/01/2007	
DSL	Temporarily Out of Service	Diesel	10000	Aboveground on Crib Rack or Cradle	12/13/2007	

The following tank(s) were either deleted from the reported data or the number was re−assigned.

001	In Service	OTHER	550	Aboveground	01/63	10/91
002	Temp Out of Service	OTHER	550	Aboveground	01/63	
010	In Service	OTHER	1000	Aboveground	10/91	
014	In Service	OTHER	500	Aboveground	12/91	
007	In Service	LUBE OIL	1000	Underground	01/63	
008	In Service	OTHER	550	Underground	01/63	
011	In Service	DIESEL	4000	Aboveground	01/93	
012	In Service	DIESEL	4000	Aboveground	01/93	
013	In Service	#1 2 OR 4 FUEL OIL	4000	Aboveground	01/93	
AMS−10	In Service	LUBE OIL	1000	Aboveground	08/01/1998	
AMS−3	In Service	DIESEL	4000	Aboveground	01/01/1993	
AMS−4	In Service	DIESEL	4000	Aboveground	01/01/1993	
AMS−6	In Service	OTHER	500	Aboveground	06/01/1996	
AMS−9	Temp Out of Service	#1 2 OR 4 FUEL OIL	15000	Aboveground		
LUBEO.1	In Service	Lube Oil	1000	Aboveground − In Contact with Soil	08/01/1998	
W.O.1	In Service	Waste Oil/Used Oil	500	Aboveground − In Contact with Soil	06/01/1996	

TANK NUMBER: 003 TANK TYPE: Steel/Carbon Steel/Iron TK INT. PROTECTION: None
TANK EXT. PROTECTION: None TANK LEAK DETECTN: None TK SEC. CONTAINMNT: None
PIPING EXT. PROTECTN: None PIPING LEAK DETECTN: PIPE SEC. CONTAINMNT:
PIPING TYPE: Galvanized Steel PIPING LOCATION: No Piping
OVERFILL PROTECTION: None SPILL PREVENTION: DISPENSER METHOD: Suction

TANK NUMBER: 004 TANK TYPE: Steel/Carbon Steel/Iron TK INT. PROTECTION: None
TANK EXT. PROTECTION: None TANK LEAK DETECTN: None TK SEC. CONTAINMNT: None
PIPING EXT. PROTECTN: None PIPING LEAK DETECTN: PIPE SEC. CONTAINMNT:
PIPING TYPE: Galvanized Steel PIPING LOCATION: No Piping
OVERFILL PROTECTION: None SPILL PREVENTION: DISPENSER METHOD: Suction

TANK NUMBER: 005 TANK TYPE: Steel/Carbon Steel/Iron TK INT. PROTECTION: None
TANK EXT. PROTECTION: None TANK LEAK DETECTN: None TK SEC. CONTAINMNT: None

**** TANK INFO FOR THIS SITE CONTINUES ON NEXT PAGE ****

PIPING EXT. PROTECTN: None
PIPING TYPE: Galvanized Steel
OVERFILL PROTECTION: None
PIPING LEAK DETECTN:
PIPING LOCATION: No Piping
SPILL PREVENTION:
PIPE SEC. CONTAINMNT:
DISPENSER METHOD: Suction

TANK NUMBER: 006
TANK EXT. PROTECTION: None
PIPING EXT. PROTECTN: None
PIPING TYPE: Galvanized Steel
OVERFILL PROTECTION: None
TANK TYPE: Steel/Carbon Steel/Iron
TANK LEAK DETECTN: None
PIPING LEAK DETECTN:
PIPING LOCATION: No Piping
SPILL PREVENTION:
TK INT. PROTECTION: None
TK SEC. CONTAINMNT: None
PIPE SEC. CONTAINMNT:
DISPENSER METHOD: Suction

TANK NUMBER: AMS−1
TANK EXT. PROTECTION: None
PIPING EXT. PROTECTN: None
PIPING TYPE: Galvanized Steel
OVERFILL PROTECTION: None
TANK TYPE: Steel/Carbon Steel/Iron
TANK LEAK DETECTN: None
PIPING LEAK DETECTN:
PIPING LOCATION: Underground/On−ground
SPILL PREVENTION:
TK INT. PROTECTION: None
TK SEC. CONTAINMNT: None
PIPE SEC. CONTAINMNT:
DISPENSER METHOD: Suction

TANK NUMBER: AMS−2
TANK EXT. PROTECTION: None
PIPING EXT. PROTECTN: None
PIPING TYPE: Galvanized Steel
OVERFILL PROTECTION: None
TANK TYPE: Steel/Carbon Steel/Iron
TANK LEAK DETECTN: None
PIPING LEAK DETECTN:
PIPING LOCATION: Underground/On−ground
SPILL PREVENTION:
TK INT. PROTECTION: None
TK SEC. CONTAINMNT: None
PIPE SEC. CONTAINMNT:
DISPENSER METHOD:

TANK NUMBER: 009
TANK EXT. PROTECTION: None
PIPING EXT. PROTECTN: None
PIPING TYPE: Galvanized Steel
OVERFILL PROTECTION: Product Level Gauge (A/G)
TANK TYPE: Steel/Carbon Steel/Iron
TANK LEAK DETECTN: None
PIPING LEAK DETECTN:
PIPING LOCATION: No Piping
SPILL PREVENTION:
TK INT. PROTECTION: None
TK SEC. CONTAINMNT: None
PIPE SEC. CONTAINMNT:
DISPENSER METHOD: Suction

TANK NUMBER: DSL−1
TANK EXT. PROTECTION: Other
PIPING EXT. PROTECTN: Painted/Asphalt Coating
PIPING TYPE: Steel/Carbon Steel/Iron
OVERFILL PROTECTION: High Level Alarm
TANK TYPE: Steel/Carbon Steel/Iron
TANK LEAK DETECTN: None
PIPING LEAK DETECTN: None
PIPING LOCATION: Aboveground
SPILL PREVENTION: None
TK INT. PROTECTION: None
TK SEC. CONTAINMNT: Diking (Aboveground)
PIPE SEC. CONTAINMNT: Diking (Aboveground)
DISPENSER METHOD: Suction

TANK NUMBER: DSL−2
TANK EXT. PROTECTION: Other
PIPING EXT. PROTECTN: Painted/Asphalt Coating
PIPING TYPE: Steel/Carbon Steel/Iron
OVERFILL PROTECTION: Automatic Shut−Off
TANK TYPE: Steel/Carbon Steel/Iron
TANK LEAK DETECTN: None
PIPING LEAK DETECTN: None
PIPING LOCATION: Aboveground
SPILL PREVENTION: None
TK INT. PROTECTION: None
TK SEC. CONTAINMNT: Diking (Aboveground)
PIPE SEC. CONTAINMNT: Diking (Aboveground)
DISPENSER METHOD: Suction

TANK NUMBER: AMS−5
TANK EXT. PROTECTION: Other
PIPING EXT. PROTECTN: Painted/Asphalt Coating
PIPING TYPE: Steel/Carbon Steel/Iron
OVERFILL PROTECTION: Automatic Shut−Off
TANK TYPE: Steel/Carbon Steel/Iron
TANK LEAK DETECTN: None
PIPING LEAK DETECTN:
PIPING LOCATION: Aboveground
SPILL PREVENTION:
TK INT. PROTECTION: None
TK SEC. CONTAINMNT: Diking (Aboveground)
PIPE SEC. CONTAINMNT:
DISPENSER METHOD: Suction

**** TANK INFO FOR THIS SITE CONTINUES ON NEXT PAGE ****

TANK NUMBER:	W/O−1	TANK TYPE:	Steel/Carbon Steel/Iron	TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	None	TANK LEAK DETECTN:	None	TK SEC. CONTAINMNT:	Double−Walled (Underground)
PIPING EXT. PROTECTN:	None	PIPING LEAK DETECTN:	None	PIPE SEC. CONTAINMNT:	None
PIPING TYPE:	Steel/Carbon Steel/Iron	PIPING LOCATION:	Aboveground		
OVERFILL PROTECTION:	Product Level Gauge (A/G)	SPILL PREVENTION:	None	DISPENSER METHOD:	
TANK NUMBER:	AMS−7	TANK TYPE:	Steel/Carbon Steel/Iron	TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	Painted/Asphalt Coating	TANK LEAK DETECTN:	In−Tank System (ATG) Interstitial − Electronic Monitoring	TK SEC. CONTAINMNT:	Vault (w/o access) Double−Walled (Underground)
PIPING EXT. PROTECTN:	Painted/Asphalt Coating	PIPING LEAK DETECTN:		PIPE SEC. CONTAINMNT:	
PIPING TYPE:	No Piping	PIPING LOCATION:	No Piping		
OVERFILL PROTECTION:	Product Level Gauge (A/G)	SPILL PREVENTION:		DISPENSER METHOD:	
TANK NUMBER:	HO−1	TANK TYPE:	Steel/Carbon Steel/Iron	TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	None	TANK LEAK DETECTN:	None	TK SEC. CONTAINMNT:	Diking (Aboveground)
PIPING EXT. PROTECTN:	Painted/Asphalt Coating	PIPING LEAK DETECTN:	Exempt Suction Piping	PIPE SEC. CONTAINMNT:	Diking (Aboveground)
PIPING TYPE:	Galvanized Steel	PIPING LOCATION:	Aboveground		
OVERFILL PROTECTION:	High Level Alarm	SPILL PREVENTION:	None	DISPENSER METHOD:	Suction
TANK NUMBER:	AMS−8	TANK TYPE:	Missing Code in Old Data	TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	None	TANK LEAK DETECTN:	None	TK SEC. CONTAINMNT:	None
PIPING EXT. PROTECTN:	None	PIPING LEAK DETECTN:		PIPE SEC. CONTAINMNT:	
PIPING TYPE:	No Piping	PIPING LOCATION:	No Piping		
OVERFILL PROTECTION:	None	SPILL PREVENTION:		DISPENSER METHOD:	
TANK NUMBER:	M/O−1	TANK TYPE:	Steel/Carbon Steel/Iron	TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	Painted/Asphalt Coating	TANK LEAK DETECTN:	Other	TK SEC. CONTAINMNT:	Diking (Aboveground)
PIPING EXT. PROTECTN:	Painted/Asphalt Coating	PIPING LEAK DETECTN:	Exempt Suction Piping	PIPE SEC. CONTAINMNT:	None
PIPING TYPE:	Steel/Carbon Steel/Iron	PIPING LOCATION:	Aboveground		
OVERFILL PROTECTION:	High Level Alarm	SPILL PREVENTION:	None	DISPENSER METHOD:	Suction
TANK NUMBER:	LIFT−1	TANK TYPE:	Steel/Carbon Steel/Iron	TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	None	TANK LEAK DETECTN:	None	TK SEC. CONTAINMNT:	None
PIPING EXT. PROTECTN:	None	PIPING LEAK DETECTN:		PIPE SEC. CONTAINMNT:	
PIPING TYPE:	Steel/Carbon Steel/Iron	PIPING LOCATION:	Underground/On−ground		
OVERFILL PROTECTION:	Product Level Gauge (A/G)	SPILL PREVENTION:		DISPENSER METHOD:	
TANK NUMBER:	LIFT−2	TANK TYPE:	Steel/Carbon Steel/Iron	TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	None	TANK LEAK DETECTN:	None	TK SEC. CONTAINMNT:	None
PIPING EXT. PROTECTN:	None	PIPING LEAK DETECTN:		PIPE SEC. CONTAINMNT:	
PIPING TYPE:	Steel/Carbon Steel/Iron	PIPING LOCATION:	Underground/On−ground		
OVERFILL PROTECTION:	Product Level Gauge (A/G)	SPILL PREVENTION:		DISPENSER METHOD:	
TANK NUMBER:	LIFT−3	TANK TYPE:	Steel/Carbon Steel/Iron	TK INT. PROTECTION:	None

**** TANK INFO FOR THIS SITE CONTINUES ON NEXT PAGE ****

TANK EXT. PROTECTION:	None	TANK LEAK DETECTN:	None	TK SEC. CONTAINMNT:	None
PIPING EXT. PROTECTN:	None	PIPING LEAK DETECTN:		PIPE SEC. CONTAINMNT:	
PIPING TYPE:	Steel/Carbon Steel/Iron	PIPING LOCATION:	Underground/On−ground		
OVERFILL PROTECTION:	Product Level Gauge (A/G)	SPILL PREVENTION:		DISPENSER METHOD:	
TANK NUMBER:	ATF−1	TANK TYPE:	Steel/Carbon Steel/Iron	TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	Painted/Asphalt Coating	TANK LEAK DETECTN:	Interstitial − Electronic Monitoring	TK SEC. CONTAINMNT:	Double−bottom (Aboveground) Modified Dbl−Walled (Abovegrd)
PIPING EXT. PROTECTN:	Painted/Asphalt Coating	PIPING LEAK DETECTN:	None	PIPE SEC. CONTAINMNT:	None
PIPING TYPE:	Galvanized Steel	PIPING LOCATION:	Aboveground		
OVERFILL PROTECTION:	Automatic Shut−Off	SPILL PREVENTION:	None	DISPENSER METHOD:	Suction
TANK NUMBER:	DSL	TANK TYPE:	Steel/Carbon Steel/Iron	TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	Painted/Asphalt Coating	TANK LEAK DETECTN:	Interstitial − Electronic Monitoring In−Tank System (ATG)	TK SEC. CONTAINMNT:	Double−bottom (Aboveground) Modified Dbl−Walled (Abovegrd)
PIPING EXT. PROTECTN:	Painted/Asphalt Coating	PIPING LEAK DETECTN:	None	PIPE SEC. CONTAINMNT:	None
PIPING TYPE:	Galvanized Steel	PIPING LOCATION:	Aboveground		
OVERFILL PROTECTION:	High Level Alarm	SPILL PREVENTION:	None	DISPENSER METHOD:	Suction

The following tank data pertains to a tank or tanks that were either deleted from the reported data or the tank number was re−assigned.

TANK NUMBER:	001	TANK TYPE:	Steel/Carbon Steel	TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	Painted/Asphalt Coating	TANK LEAK DETECTN:	None	TK SEC. CONTAINMNT:	None
PIPING EXT. PROTECTN:	Painted/Asphalt Coating	PIPING LEAK DETECTN:		PIPE SEC. CONTAINMNT:	
PIPING TYPE:	Galvanized Steel	PIPING LOCATION:	Aboveground		
OVERFILL PROTECTION:		SPILL PREVENTION:		DISPENSER METHOD:	Suction
TANK NUMBER:	002	TANK TYPE:	Steel/Carbon Steel	TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	Painted/Asphalt Coating	TANK LEAK DETECTN:	None	TK SEC. CONTAINMNT:	None
PIPING EXT. PROTECTN:	Painted/Asphalt Coating	PIPING LEAK DETECTN:		PIPE SEC. CONTAINMNT:	
PIPING TYPE:	Galvanized Steel	PIPING LOCATION:	Aboveground		
OVERFILL PROTECTION:		SPILL PREVENTION:		DISPENSER METHOD:	Suction
TANK NUMBER:	010	TANK TYPE:	Steel/Carbon Steel	TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	Painted/Asphalt Coating	TANK LEAK DETECTN:	None	TK SEC. CONTAINMNT:	Double−Walled Tank
PIPING EXT. PROTECTN:	None	PIPING LEAK DETECTN:		PIPE SEC. CONTAINMNT:	
PIPING TYPE:	None	PIPING LOCATION:	Aboveground		
OVERFILL PROTECTION:		SPILL PREVENTION:		DISPENSER METHOD:	Gravity
TANK NUMBER:	014	TANK TYPE:	Steel/Carbon Steel	TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	None	TANK LEAK DETECTN:	None	TK SEC. CONTAINMNT:	None
	Painted/Asphalt Coating		None		Double−Walled Tank
PIPING EXT. PROTECTN:	None	PIPING LEAK DETECTN:		PIPE SEC. CONTAINMNT:	

**** TANK INFO FOR THIS SITE CONTINUES ON NEXT PAGE ****

None
PIPING TYPE: None PIPING LOCATION: None
OVERFILL PROTECTION: SPILL PREVENTION: DISPENSER METHOD:

TANK NUMBER: 007 TANK TYPE: Steel/Carbon Steel TK INT. PROTECTION: None
TANK EXT. PROTECTION: None TANK LEAK DETECTN: None TK SEC. CONTAINMNT: None
PIPING EXT. PROTECTN: PIPING LEAK DETECTN: PIPE SEC. CONTAINMNT:
None
PIPING TYPE: Galvanized Steel PIPING LOCATION: Underground
OVERFILL PROTECTION: SPILL PREVENTION: DISPENSER METHOD: Suction

TANK NUMBER: 008 TANK TYPE: Steel/Carbon Steel TK INT. PROTECTION: None
TANK EXT. PROTECTION: None TANK LEAK DETECTN: None TK SEC. CONTAINMNT: None
PIPING EXT. PROTECTN: PIPING LEAK DETECTN: PIPE SEC. CONTAINMNT:
None
PIPING TYPE: Galvanized Steel PIPING LOCATION: Underground
OVERFILL PROTECTION: SPILL PREVENTION: DISPENSER METHOD: Gravity

TANK NUMBER: 011 TANK TYPE: Steel/Carbon Steel TK INT. PROTECTION: None
TANK EXT. PROTECTION: Other TANK LEAK DETECTN: None TK SEC. CONTAINMNT: None
None Prefabricated Steel Dike
PIPING EXT. PROTECTN: Painted/Asphalt Coating PIPING LEAK DETECTN: PIPE SEC. CONTAINMNT:
None
PIPING TYPE: Steel/Iron PIPING LOCATION: Aboveground
OVERFILL PROTECTION: SPILL PREVENTION: DISPENSER METHOD: Suction

TANK NUMBER: 012 TANK TYPE: Steel/Carbon Steel TK INT. PROTECTION: None
TANK EXT. PROTECTION: Other TANK LEAK DETECTN: None TK SEC. CONTAINMNT: None
None Prefabricated Steel Dike
PIPING EXT. PROTECTN: Painted/Asphalt Coating PIPING LEAK DETECTN: PIPE SEC. CONTAINMNT:
None
PIPING TYPE: Steel/Iron PIPING LOCATION: Aboveground
OVERFILL PROTECTION: SPILL PREVENTION: DISPENSER METHOD: Suction

TANK NUMBER: 013 TANK TYPE: Steel/Carbon Steel TK INT. PROTECTION: None
TANK EXT. PROTECTION: Other TANK LEAK DETECTN: None TK SEC. CONTAINMNT: None
None Prefabricated Steel Dike
PIPING EXT. PROTECTN: Painted/Asphalt Coating PIPING LEAK DETECTN: PIPE SEC. CONTAINMNT:
None
PIPING TYPE: Steel/Iron PIPING LOCATION: Aboveground
OVERFILL PROTECTION: SPILL PREVENTION: DISPENSER METHOD: Suction

TANK NUMBER: AMS−10 TANK TYPE: Steel/Carbon Steel TK INT. PROTECTION: None
TANK EXT. PROTECTION: None TANK LEAK DETECTN: None TK SEC. CONTAINMNT: None
Painted/Asphalt Coating Other None

**** TANK INFO FOR THIS SITE CONTINUES ON NEXT PAGE ****

PIPING EXT. PROTECTN: None
Painted/Asphalt Coating
PIPING TYPE: Steel/Iron
OVERFILL PROTECTION:
PIPING LEAK DETECTN:
PIPING LOCATION: Aboveground
SPILL PREVENTION:
PIPE SEC. CONTAINMNT:
DISPENSER METHOD: Suction

TANK NUMBER: AMS−3
TANK EXT. PROTECTION: Other
PIPING EXT. PROTECTN: Painted/Asphalt Coating
None
PIPING TYPE: Steel/Iron
OVERFILL PROTECTION:
TANK TYPE: Steel/Carbon Steel
TANK LEAK DETECTN: None
None
PIPING LEAK DETECTN:
PIPING LOCATION: Aboveground
SPILL PREVENTION:
TK INT. PROTECTION: None
TK SEC. CONTAINMNT: None
Prefabricated Steel Dike
PIPE SEC. CONTAINMNT:
DISPENSER METHOD: Suction

TANK NUMBER: AMS−4
TANK EXT. PROTECTION: Other
PIPING EXT. PROTECTN: Painted/Asphalt Coating
None
PIPING TYPE: Steel/Iron
OVERFILL PROTECTION:
TANK TYPE: Steel/Carbon Steel
TANK LEAK DETECTN: None
None
PIPING LEAK DETECTN:
PIPING LOCATION: Aboveground
SPILL PREVENTION:
TK INT. PROTECTION: None
TK SEC. CONTAINMNT: None
Prefabricated Steel Dike
PIPE SEC. CONTAINMNT:
DISPENSER METHOD: Suction

TANK NUMBER: AMS−6
TANK EXT. PROTECTION: None
None
PIPING EXT. PROTECTN: None
None
PIPING TYPE: Steel/Iron
OVERFILL PROTECTION:
TANK TYPE: Steel/Carbon Steel
TANK LEAK DETECTN: None
None
PIPING LEAK DETECTN:
PIPING LOCATION: Aboveground
SPILL PREVENTION:
TK INT. PROTECTION: None
TK SEC. CONTAINMNT: None
Double−Walled Tank
PIPE SEC. CONTAINMNT:
DISPENSER METHOD:

TANK NUMBER: AMS−9
TANK EXT. PROTECTION: None
None
PIPING EXT. PROTECTN: None
Painted/Asphalt Coating
PIPING TYPE: Galvanized Steel
OVERFILL PROTECTION:
TANK TYPE: Steel/Carbon Steel
TANK LEAK DETECTN: None
None
PIPING LEAK DETECTN:
PIPING LOCATION: Aboveground
SPILL PREVENTION:
TK INT. PROTECTION: None
TK SEC. CONTAINMNT: None
None
PIPE SEC. CONTAINMNT:
DISPENSER METHOD: Suction

TANK NUMBER: LUBEO.1
TANK EXT. PROTECTION: Painted/Asphalt Coating
PIPING EXT. PROTECTN: Painted/Asphalt Coating
PIPING TYPE: Steel/Carbon Steel/Iron
OVERFILL PROTECTION: High Level Alarm
TANK TYPE: Steel/Carbon Steel/Iron
TANK LEAK DETECTN: Other
PIPING LEAK DETECTN: Exempt Suction Piping
PIPING LOCATION: Aboveground
SPILL PREVENTION:
TK INT. PROTECTION: None
TK SEC. CONTAINMNT: Diking (Aboveground)
PIPE SEC. CONTAINMNT:
DISPENSER METHOD: Suction

TANK NUMBER: W.O.1
TANK EXT. PROTECTION: None
TANK TYPE: Steel/Carbon Steel/Iron
TANK LEAK DETECTN: None
TK INT. PROTECTION: None
TK SEC. CONTAINMNT: Double−Walled (Underground)

**** TANK INFO FOR THIS SITE CONTINUES ON NEXT PAGE ****

PIPING EXT. PROTECTN: None
PIPING TYPE: Steel/Carbon Steel/Iron
OVERFILL PROTECTION: Product Level Gauge (A/G)
PIPING LEAK DETECTN:
PIPING LOCATION: Aboveground
SPILL PREVENTION:
PIPE SEC. CONTAINMNT:
DISPENSER METHOD:

Map Identification Number 274 **ST PHILIPS ON CONVENT** **Facility Id: NY09386** **Source: NYC FIRE DEPT**
450 W 131 ST NEW YORK, NY 10027 TT−Id: 660A−0007−112

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 293 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: 450 W 131ST ST
Revised zip code: NO CHANGE

NOTE: This is an archived database

Comments: 1−10,000 GAL TNK # 2 OIL
COA IN 1991

Map Identification Number 275 **CONVENT AVENUE FAMILY LIVING CENTER** **Facility Id: 2−606609** **Source: NYS DEC**
456 WEST 129TH STREET NEW YORK, 10027 TT−Id: 640A−0032−079

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 332 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Type: Apartment Building/Office Building
Site Status: Active
Expiration Date of the facility's registration certificate: 08/01/2011
Operator Name: JAKKI PETERSON−SILKISS
Operator Phone #: (212) 866−7816
Owner Name: NYC DEPARTMENT OF HPD − MAINTENANCE DIRECTOR
Owner Company: NYC DEPT. OF HOUSING PRESERVATION AND DEVELOPMENT
Owner Type: Local Government
Owner Address: 100 GOLD STREET − X4, NEW YORK, NY 10038

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	#2 Fuel Oil	4000	Aboveground − In Contact with Soil			

Map Identification Number 276 **VERIZON NEW YORK INC−NY−15501** **Facility Id: 2−344729** **Source: NYS DEC**
460 WEST 129TH STREET NEW YORK, 10027 TT−Id: 640A−0036−609

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 352 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Site Status: Active
Expiration Date of the facility's registration certificate: 08/23/2018

Facility Type: Utility (Other than Municipal)

Additional PBS information for this site has been publicly withheld by the NYSDEC. The following is historic data:

TANK INFORMATION
Aboveground tanks: Yes Underground tanks: No

Operator Name: VERIZON NEW YORK INC. Operator Phone #: (800) 339−6144
Owner Name: JOHN QUATRALE − ENVIRONMENTAL MANAGER
Owner Company: VERIZON NEW YORK, INC. Owner Type: Corporate or Commercial
Owner Address: 140 WEST STREET, NEW YORK, NY 10007

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	Closed−Rmvd from Ground	UNLEADED GASOLINE	4000	Underground		11/01/1991	02/01/1993
002	Closed−Rmvd from Ground	UNLEADED GASOLINE	4000	Underground		11/01/1991	02/01/1993
003	In Service	UNLEADED GASOLINE	4000	Underground	03/01/1993		
004	In Service	USED OIL	550	Aboveground on Legs Racks Etc	08/01/1994		

Map Identification Number 277 **CONVENT AVE FAMILY** **Facility Id: NY02873** **Source: NYC FIRE DEPT**
34 CONVENT AVE NEW YORK, NY 10027 TT−Id: 660A−0007−111

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 380 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

NOTE: This is an archived database

Comments: 3500GAL TK NO#4 OIL

Map Identification Number 278 **THE ST. AGNES HOUSING DEVELOPMENT FUND** **Facility Id: 2−469939** **Source: NYS DEC**
41 CONVENT AVENUE NEW YORK, 10027 TT−Id: 640A−0036−651

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 396 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Type: Apartment Building/Office Building
Site Status: Active
Expiration Date of the facility's registration certificate: 03/09/2014
Operator Name: MELVIN WILLIAMS
Operator Phone #: (212) 932−0220
Owner Name: GLADYS TINSLEY − MGR
Owner Company: THE ST. AGNES HOUSING DEVELOPMENT FUND CORP.
Owner Type: Corporate or Commercial
Owner Address: 41 CONVENT AVENUE, NEW YORK, NY 10027

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	#6 Fuel Oil	5000	Aboveground − In Contact with Soil	01/01/1952		

The following tank 001 content has been deleted or replaced: #2 Fuel Oil

Map Identification Number 279 **1437 AMSTERDAM AVE REALTY INC** **Facility Id: 2−063193** **Source: NYS DEC**
405 WEST 131TH STREET NEW YORK, 10027 TT−Id: 640A−0036−635

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (5)
Approximate distance from property: 430 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Type: Apartment Building/Office Building
Site Status: Active
Expiration Date of the facility's registration certificate: 01/14/1997
Operator Name: ANTHONY ROBINSON
Operator Phone #: (212) 234−3218
Owner Name: −
Owner Company: BENJAMIN THURSTON
Owner Type:
Owner Address: 156 20 RIVERSIDE DR WEST− APT 8M, NEW YORK, NY 10032

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
123	In Service	#2 Fuel Oil	1500	Aboveground − In Contact with Soil			

Map Identification Number 280 **MORNINGSIDE REALTY ASSOC.** **Facility Id: 2−611175** **Source: NYS DEC**
1437 AMSTERDAM AVE NEW YORK, 10031 TT−Id: 640A−0086−799

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 469 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Type: Apartment Building/Office Building
Site Status: Active
Expiration Date of the facility's registration certificate: 04/03/2018
Operator Name: JESUS HIDALGO
Operator Phone #: (646) 399−8137
Owner Name: MAURICE MCKENZIE − AGENT
Owner Company: MORNINGSIDE REALTY ASSOC
Owner Type:
Owner Address: 507 WEST 186TH ST. A4, NEW YORK, NY 1003

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	#2 Fuel Oil	1500	Abovegrnd − In Contact w/Imperv. Barrier	03/01/1993		

Map Identification Number 281 **BENJAMIN THURSTON** **Facility Id: NY01942** **Source: NYC FIRE DEPT**
465 W 131 ST NEW YORK, NY 10027 TT−Id: 660A−0007−110

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 469 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: 465 W 131ST ST
Revised zip code: NO CHANGE

NOTE: This is an archived database

Comments: 1500GAL TK NO 4 OIL

Map Identification Number 282 **PUBLIC SCHOOL 223−MOTT HALL (M223)** **Facility Id: 2−606230** **Source: NYS DEC**
131ST STREET & NEW YORK, 10027 TT−Id: 640A−0032−167

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 481 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: W 131ST STREET / CONVENT AVENUE
Revised zip code: NO CHANGE

Facility Type: School
Site Status: Active
Expiration Date of the facility's registration certificate: 07/06/2016
Operator Name: PLANT OPERATION
Operator Phone #: (718) 349−5400

Owner Name: MUNENDRA SHARMA − MANAGER, FUEL DIVISION
Owner Company: NYC DEPARTMENT OF EDUCATION Owner Type: Local Government
Owner Address: 44−36 VERNON BLVD., LONG ISLAND CITY, NY 11101

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	#2 Fuel Oil	1500	Aboveground on Crib Rack or Cradle	01/01/1994		

Map Identification Number 283 **MOTT HALL SCHOOL,IS 223** **Facility Id: NY06903** **Source: NYC FIRE DEPT**
75 CONVENT AVE NEW YORK, NY 10027 TT−Id: 660A−0007−108

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 481 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

NOTE: This is an archived database

Comments: 1500 GAL TK NO#2 OIL

Map Identification Number 284 **1439 AMSTERDAM AVENUE** **Facility Id: 2−606799** **Source: NYS DEC**
1439 AMSTERDAM AVENUE NEW YORK, 10027 TT−Id: 640A−0032−108

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 492 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Type: Apartment Building/Office Building
Site Status: Active
Expiration Date of the facility's registration certificate: 08/22/2006
Operator Name: ASST. COMMISSIONER/DAMP Operator Phone #: (212) 863−7301
Owner Name: −
Owner Company: NYC/HPD/DAMP Owner Type: Local Government
Owner Address: 100 GOLD ST., #7Z5, NEW YORK, NY 10038

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	Gasoline	2000	Aboveground − In Contact with Soil			

Map Identification Number 285 **AUNNUNCIATION CHURCH** **Facility Id: 2−081094** **Source: NYS DEC**
88 CONVENT AVE NEW YORK, 10027 TT−Id: 640A−0030−313

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 505 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Types: Religious Building (Church, Synagogue, Mosque, Temple)
The following additional facility type data has not been updated since 2002.
Other
Site Status: Active
Expiration Date of the facility's registration certificate: 03/24/2017
Operator Name: REV JOSE M CLAVERO
Operator Phone #: (212) 234−1919
Owner Name: JOSE M. CLAVERO − PASTOR
Owner Company: ROMAN CATHOLIC CHURCH
Owner Type: Corporate or Commercial
Owner Address: 88 CONVENT AVE, NEW YORK, NY 10027

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	#2 Fuel Oil	900	Underground	02/24/1965		
002	In Service	#2 Fuel Oil	3000	Aboveground − In Contact with Soil	02/24/1965		

Map Identification Number 286 **CHURCH ANNUNCIATION** **Facility Id: NY02623** **Source: NYC FIRE DEPT**
461 W 131 ST NEW YORK, NY 10027 TT−Id: 660A−0007−109

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 505 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: 461 W 131ST ST
Revised zip code: NO CHANGE

NOTE: This is an archived database

Comments: 3000GAL TK NO 4 OIL

Map Identification Number 287 **JUNIOR HIGH SCHOOL 43 − MANHATTAN** **Facility Id: 2−607635** **Source: NYS DEC**
509 WEST 129TH STREET NEW YORK, 10002 TT−Id: 640A−0035−735

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 512 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: 509 W 129TH ST
Revised zip code: 10027

Facility Type: School
Site Status: Active
Expiration Date of the facility's registration certificate: 04/16/2017
Operator Name: PLANT OPERATION
Operator Phone #: (718) 349−5400
Owner Name: MUNENDRA SHARMA − MANAGER, FUEL DIVISION
Owner Company: NYC DEPARTMENT OF EDUCATION
Owner Type: Local Government
Owner Address: 44−36 VERNON BLVD., LONG ISLAND CITY, NY 11101

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	#2 Fuel Oil	10000	Aboveground on Crib Rack or Cradle	03/01/2001		

Map Identification Number 288 **33 CONVENT AVENUE HDFC** **Facility Id: 2−608985** **Source: NYS DEC**
29−33 CONVENT AVENUE NEW YORK, 10027 TT−Id: 640A−0036−592

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 527 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Type: Apartment Building/Office Building
Site Status: Active
Expiration Date of the facility's registration certificate: 05/27/2013
Operator Name: CORNELIUS DALEY
Operator Phone #: (212) 316−1063
Owner Name: CLEVIG A STEWART − NYS LICENSED BOILER INSTALLER
Owner Company: 33 CONVENT AVENUE HDFC
Owner Type: Corporate or Commercial
Owner Address: 29−33 CONVENT AVE, NEW YORK, NY 10027

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	#2 Fuel Oil	5000	Aboveground on Crib Rack or Cradle	03/17/1974		

Map Identification Number 289 **129 STREET REALTY CORP.** **Facility Id: 2−602928** **Source: NYS DEC**
419 WEST 129TH STREET NEW YORK, 10027 TT−Id: 640A−0036−652

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 528 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Type: Apartment Building/Office Building
Site Status: Active
Expiration Date of the facility's registration certificate: 02/13/2017
Operator Name: RAMONA DUNLOP
Operator Phone #: (212) 678−4334

Owner Name: 129TH ST REALTY C/O ADAM STRYKER − MANAGING AGENT
Owner Company: 129 STREET REALTY CORP. C/O A. FRIEDMAN MGT. CORP. Owner Type: Corporate or Commercial
Owner Address: 225 WEST 34TH STREET, NEW YORK, NY 10027

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
OO1	In Service	#2 Fuel Oil	3000	Aboveground − In Contact with Soil	01/01/1920		

Map Identification Number 290 **418 WEST 130TH LLC** **Facility Id: 2−161470** **Source: NYS DEC**
418 WEST 130TH STREET NEW YORK, 10027 TT−Id: 640A−0036−650

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 532 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Types: Apartment Building/Office Building
The following additional facility type data has not been updated since 2002.
Apartment Building
Site Status: Active
Expiration Date of the facility's registration certificate: 02/03/2018
Operator Name: JOSE MENYA Operator Phone #: (212) 665−4216
Owner Name: MARY STEIN − AGENT
Owner Company: 418 WEST 130TH STREET LLC Owner Type: Corporate or Commercial
Owner Address: P.O. BOX 4013, CLIFTON, NJ 07012

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	#2 Fuel Oil	5000	Aboveground − In Contact with Soil	01/01/1932		

Map Identification Number 291 **PUBLIC SCHOOL 129 − MANHATTAN** **Facility Id: 2−353442** **Source: NYS DEC**
425 WEST 130TH STREET NEW YORK, 10027 TT−Id: 640A−0035−886

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 556 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Type: School
Site Status: Active
Expiration Date of the facility's registration certificate: 06/28/2018
Operator Name: PLANT OPERATIONS Operator Phone #: (718) 349−5400

Owner Name: MUNENDRA SHARMA − MGR
Owner Company: NEW YORK CITY DEPARTMENT OF EDUCATION Owner Type: Local Government
Owner Address: 44−36 VERNON BOULEVARD, LONG ISLAND CITY, NY 11101

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	#4 Fuel Oil	10000	Aboveground on Crib Rack or Cradle	06/01/1957		

Map Identification Number 292 **418 WEST 129 STREET** **Facility Id: 2−606794** **Source: NYS DEC**
418−420 WEST 129TH STREET NEW YORK, 10027 TT−Id: 640A−0036−657

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 594 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Type: Apartment Building/Office Building
Site Status: Unregulated
Expiration Date of the facility's registration certificate: 08/22/2011
Operator Name: ASST. COMM. DAMP Operator Phone #: (212) 863−7301
Owner Name: −
Owner Company: HPD − NYC Owner Type: Local Government
Owner Address: 100 GOLD ST., NEW YORK, NY 10038

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	Closed − Removed	#2 Fuel Oil	2000	Abovegrnd − In Contact w/Imperv. Barrier			06/07/2007

Map Identification Number 293 **CITY COLLEGE OF NEW YORK** **Facility Id: 2−601451** **Source: NYS DEC**
91 CONVENT AVE (PK GYM) NY, 10031 TT−Id: 640A−0035−888

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (2)
Approximate distance from property: 596 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: UNKNOWN

Facility Type: School
Site Status: Unregulated
Expiration Date of the facility's registration certificate: 04/19/1998
Operator Name: JOHN GILMOUR Operator Phone #: (212) 650−8636
Owner Name: −
Owner Company: CITY UNIVERSITY OF NEW YORK Owner Type: Local Government
Owner Address: 535 E. 80TH STREET, NY, NY 10031

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
DACU−GYM	Closed − In Place	#2 Fuel Oil	2000	Underground			09/01/1994

Map Identification Number 294 **CONVENT REALTY LLC** **Facility Id: 2−282707** **Source: NYS DEC**
90 CONVENT AVENUE NEW YORK, 10027 TT−Id: 640A−0036−607

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 597 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Types: Apartment Building/Office Building
The following additional facility type data has not been updated since 2002.
Apartment Building
Site Status: Active
Expiration Date of the facility's registration certificate: 03/21/2016
Operator Name: ENES
Operator Phone #: (917) 218−1271
Owner Name: MEIR BOUSKILA − OFFICER
Owner Company: CONVENT REALTY LLC @ PINNACLE GROUP
Owner Type: Corporate or Commercial
Owner Address: P.O. BOX 1920, NEW YORK, NY 10116

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	#2 Fuel Oil	5000	Aboveground − In Contact with Soil	06/10/1987		

Map Identification Number 295 **21−25 CONVENT AVENUE REALTY LLC** **Facility Id: 2−605685** **Source: NYS DEC**
21 CONVENT AVENUE NEW YORK, 10027 TT−Id: 640A−0036−654

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 639 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Type: Apartment Building/Office Building
Site Status: Active
Expiration Date of the facility's registration certificate: 04/16/2016
Operator Name: APOLINAR ACEVEDO
Operator Phone #: (212) 228−4336
Owner Name: JOHN SCHROEDER − AGENT
Owner Company: 21−25 CONVENT AVENUE REALTY LLC
Owner Type: Corporate or Commercial
Owner Address: 161 SUFFOLK STREET, NEW YORK, NY 10002

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	#2 Fuel Oil	5000	Aboveground − In Contact with Soil	01/01/1990		

Map Identification Number 296 **CLASSIC REALTY&MGMT CORP** **Facility Id: NY02715** **Source: NYC FIRE DEPT**
21 CONVENT AVE NEW YORK, NY 10027 TT−Id: 660A−0005−325

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 639 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

NOTE: This is an archived database

Comments: FUEL OIL 5000G #2

Map Identification Number 297 **416 HDFC** **Facility Id: 2−275042** **Source: NYS DEC**
416 W 129 ST NEW YORK, 10027 TT−Id: 640A−0036−658

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 649 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: 416 W 129TH ST
Revised zip code: NO CHANGE

Facility Type: Apartment Building/Office Building
Site Status: Active
Expiration Date of the facility's registration certificate: 03/28/2015
Operator Name: RONALD TYNER
Operator Phone #: (212) 665−4669
Owner Name: RONALD TYNER − PRESIDENT
Owner Company: 416 W 129 ST HDFC
Owner Type: Corporate or Commercial
Owner Address: P.O. BOX 58, NEW YORK, NY 10027

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	#2 Fuel Oil	5000	Aboveground − In Contact with Soil	07/17/1969		

Map Identification Number 298 **AFRO AMERICAN STUDIO** **Facility Id: NY01269** **Source: NYC FIRE DEPT**
415 W 127 ST NEW YORK, NY 10027 TT−Id: 660A−0006−050

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 649 feet to the S

NOTE: This is an archived database

Comments: FO #2 1080G NO FEE

ADDRESS CHANGE INFORMATION
Revised street: 415 W 127TH ST
Revised zip code: NO CHANGE

HAZARDOUS WASTE GENERATORS/TRANSPORTERS IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 299 **NYSDEC Name:** **L S C DEVELOPMENT LLC** **Facility Id: NYR000206698**

NYSDEC Address:	40 CONVENT AVE	NEW YORK, NY 10027	TT−Id: 740A−0101−398
EPA (RCRA) Name:	L S C DEVELOPMENT LLC		
EPA (RCRA) Address:	40 CONVENT AVE	NEW YORK, NY 10027	

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 123 feet to the SE*

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

US EPA RCRA Type: CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR
Notification date: None Given
Land Disposal: Receives offsite waste: Incinerator:
Storer: Treatment facility: Transporter:
Contact Name: STEVE OSBORNE Source Type: Temporary Contact Phone: 847−909−7939 Contact Info Date: 01/08/2014

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	HISTORIC MAXIMUM YEAR
More than one waste code was reported for the following waste amount:		300	POUNDS	GENERATED	2014		
D018	BENZENE						
D019	Carbon Tetrachloride						
D029	1,1−Dicholoethylene						
D039	Tetrachloroethylene						
D040	Trichlorethylene						
D043	Vinyl chloride						

NOTE: 2014 waste amounts are for 1/1/14 to 2/25/14 only

Map Identification Number 300 **NYSDEC Name:** **CONSOLIDATED EDISON** **Facility Id: NYP004178158**
NYSDEC Address: S/S 129 (WEST) 200' E. OF AMSTERDAM AVE NEW YORK, NY TT−Id: 740A−0068−251

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (4)
Approximate distance from property: 131 feet to the SW*

ADDRESS CHANGE INFORMATION
Revised street: S SIDE W 129TH ST 200FT E OF AMSTERDAM AVE
Revised zip code: NO CHANGE

US EPA RCRA (Resource Conservation and Recovery Act) information not reported; Site information reported by NYS DEC.

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	HISTORIC MAXIMUM YEAR
D008	Lead	1000	POUNDS	GENERATED	2009		

Map Identification Number 301 **NYSDEC Name:** **CON EDISON** **Facility Id: NYP004322855**
NYSDEC Address: SS W 130TH ST 207' EO AMSTERDAM NEW YORK, NY 10027 TT−Id: 740A−0105−164

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (4)
Approximate distance from property: 137 feet to the NNE*

ADDRESS CHANGE INFORMATION
Revised street: W 130TH ST 207FT E OF AMSTERDAM AVE
Revised zip code: NO CHANGE

US EPA RCRA (Resource Conservation and Recovery Act) information not reported; Site information reported by NYS DEC.

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	HISTORIC MAXIMUM YEAR
D008	Lead	3000	POUNDS	GENERATED	2013		

Map Identification Number 302 **NYSDEC Name:** **CONSOLIDATED EDISON** **Facility Id: NYP004178141**
NYSDEC Address: 1413 AMSTERDAM AVE & 130 ST NEW YORK, NY 10027 TT−Id: 740A−0068−250
EPA (RCRA) Name: CON EDISON − SERVICE BOX 24659
EPA (RCRA) Address: 1413 AMSTERDAM AVE & 130 ST NEW YORK, NY 10027

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 148 feet to the NW*

ADDRESS CHANGE INFORMATION
Revised street: 1413 AMSTERDAM AVE
Revised zip code: UNKNOWN

US EPA RCRA Type: LARGE QUANTITY GENERATOR
Land Disposal: Receives offsite waste:
Storer: Treatment facility:

Notification date: None Given
Incinerator:
Transporter:

Contact Name: FRANKLYN MURRAY Source Type: Annual/Biennial Report update with Notification Contact Phone: 212−460−2808 Contact Info Date: 03/23/2010

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	HISTORIC MAXIMUM YEAR
D008	Lead	3500	POUNDS	GENERATED	2009		

Map Identification Number 303 **NYSDEC Name:** **CONSOLIDATED EDISON** **Facility Id: NYP004178356**
NYSDEC Address: 48 CONVERT AVE MANHATTAN, NY 10020 TT−Id: 740A−0068−136

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 200 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: 48 CONVENT AVE
Revised zip code: UNKNOWN

US EPA RCRA (Resource Conservation and Recovery Act) information not reported; Site information reported by NYS DEC.

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	HISTORIC MAXIMUM YEAR
D008	Lead	1000	POUNDS	GENERATED	2009		

Map Identification Number 304 **NYSDEC Name:** **CON EDISON** **Facility Id: NYP004350138**
NYSDEC Address: F/O 1413 AMSTERDAM AVE MANHATTAN, NY 10027 TT−Id: 740A−0096−706
SERVICE BOX # 24659

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 226 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: IFO 1413 AMSTERDAM AVE
Revised zip code: NO CHANGE

US EPA RCRA (Resource Conservation and Recovery Act) information not reported; Site information reported by NYS DEC.

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	HISTORIC MAXIMUM YEAR
D008	Lead	2500	POUNDS	GENERATED	2013		

Map Identification Number 305 **NYSDEC Name:** **BELL ATLANTIC − NY** **Facility Id: NYP000942136**
NYSDEC Address: 129TH ST & AMSTERDAM (MANHOLE) NEW YORK, NY TT−Id: 740A−0062−723

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 277 feet to the W

ADDRESS CHANGE INFORMATION
Revised street: W 129TH ST / AMSTERDAM AVE
Revised zip code: 10027

US EPA RCRA (Resource Conservation and Recovery Act) information not reported; Site information reported by NYS DEC.

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	HISTORIC MAXIMUM YEAR
NONE	No hazardous waste activity reported by NYS up to 2/25/2014.						

Map Identification Number 306 **NYSDEC Name:** **CON EDISON** **Facility Id: NYP004293866**

NYSDEC Address: N/W/C W 129 ST & AMSTERDAM AVE MH # 24653 NEW YORK, NY 10027 TT−Id: 740A−0086−625

EPA (RCRA) Name: CON EDISON MANHOLE: 24653

EPA (RCRA) Address: W 129TH ST & AMSTERDAM AVE NW COR NEW YORK, NY 10027

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 277 feet to the W

ADDRESS CHANGE INFORMATION
Revised street: W 129TH ST / AMSTERDAM AVE
Revised zip code: NO CHANGE

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN
Notification date: None Given
Land Disposal: Receives offsite waste: Incinerator:
Storer: Treatment facility: Transporter:
Contact Name: JUAN RODRIGUEZ Source Type: Emergency Contact Phone: 347−865−5931 Contact Info Date: 03/15/2013
Contact Name: JUAN RODRIGUEZ Source Type: Implementer Contact Phone: 347−865−5931 Contact Info Date: 04/15/2013

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	HISTORIC MAXIMUM YEAR	HISTORIC MAXIMUM AMOUNT	HISTORIC MAXIMUM YEAR
D008	Lead	2000	POUNDS	GENERATED	2013		

Map Identification Number 307 **NYSDEC Name:** **NYC PARKS & RECREATION** **Facility Id: NYR000076745**

NYSDEC Address: 129TH ST & AMSTERDAM AVE NEW YORK, NY TT−Id: 740A−0031−969

EPA (RCRA) Name: NYC DEPT PARKS & REC − MORNINGSIDE PK

EPA (RCRA) Address: 123RD ST & MORNINGSIDE AVE NEW YORK, NY 10027

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 277 feet to the W

ADDRESS CHANGE INFORMATION
Revised street: W 129TH ST / AMSTERDAM AVE
Revised zip code: 10027

Special Note(s): The New York State Department of Environmental Conservation and the U. S. Environmental Protection Agency have reported different locations for this hazardous waste identification number. Available information for both locations is summarized below.

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN
Land Disposal: Receives offsite waste:
Storer: Treatment facility:
Notification date: 09/14/1999
Incinerator:
Transporter:
Contact Name: MOKO HIRAYAMA Source Type: Implementer Contact Phone: 212−360−8207 Contact Info Date: 01/01/2007
Contact Name: MOKO HIRAYAMA Source Type: Notification Contact Phone: 212−360−8207 Contact Info Date: 09/14/1999

Historically listed as the following USEPA RCRA Generator Size(s) as well:
SMALL QUANTITY GENERATOR

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	HISTORIC MAXIMUM YEAR
D001	Solid waste that exhibits the characteristic of ignitability	1000	POUNDS	GENERATED	2012		
D001	Solid waste that exhibits the characteristic of ignitability	55	GALLONS	GENERATED	2000		

Map Identification Number 308 **NYSDEC Name:** **CONSOLIDATED EDISON** **Facility Id: NYP004070470**
NYSDEC Address: MH24661−130TH & AMSTERDAM NEW YORK, NY 10027 TT−Id: 740A−0025−598

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 282 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: W 130TH ST / AMSTERDAM AV
Revised zip code: NO CHANGE

US EPA RCRA (Resource Conservation and Recovery Act) information not reported; Site information reported by NYS DEC.

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	HISTORIC MAXIMUM YEAR
D008	Lead	40	POUNDS	GENERATED	2000		

Map Identification Number 309 **EPA (RCRA) Name:** **CON EDISON** **Facility Id: NYP004164562**
EPA (RCRA) Address: W 130TH ST & AMSTERDAM AVE NEW YORK, NY 10027 TT−Id: 740A−0069−158
NYSDEC Name: CONSOLIDATED EDISON
NYSDEC Address: WEST 130 ST & ADAM CLAYTON NEW YORK, NY 10009

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 282 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: W 130TH ST / AMSTERDAM AVE
Revised zip code: NO CHANGE

Special Note(s): The New York State Department of Environmental Conservation and the U. S. Environmental Protection Agency have reported different locations for this hazardous waste identification number. Available information for both locations is summarized below.

US EPA RCRA Type: CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR Notification date: None Given
Land Disposal: Receives offsite waste: Incinerator:
Storer: Treatment facility: Transporter:
Contact Name: DAVID DUKE Source Type: Emergency Contact Phone: 917−559−8971 Contact Info Date: 03/24/2009

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	HISTORIC MAXIMUM YEAR	HISTORIC MAXIMUM AMOUNT	HISTORIC MAXIMUM YEAR
D008	Lead	75	POUNDS	GENERATED	2009		

Map Identification Number 310 **NYSDEC Name:** **CON EDISON** **Facility Id: NYP004350617**
NYSDEC Address: SW AMSTERDAM AVE & 130TH ST NEW YORK, NY 10027 TT−Id: 740A−0096−755
SB 24655

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 282 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: AMSTERDAM AVE / W 130TH ST
Revised zip code: NO CHANGE

US EPA RCRA (Resource Conservation and Recovery Act) information not reported; Site information reported by NYS DEC.

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	HISTORIC MAXIMUM YEAR
D008	Lead	500	POUNDS	GENERATED	2013		

Map Identification Number 311 **NYSDEC Name:** **CON EDISON** **Facility Id: NYP004353314**
NYSDEC Address: NEC W 130 ST & AMSTERDAM AVE NEW YORK, NY 10027 TT−Id: 740A−0096−737
MH 24665

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 282 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: W 130TH ST / AMSTERDAM AVE
Revised zip code: NO CHANGE

US EPA RCRA (Resource Conservation and Recovery Act) information not reported; Site information reported by NYS DEC.

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	HISTORIC MAXIMUM YEAR
D008	Lead	5000	POUNDS	GENERATED	2013		

Map Identification Number 312 **NYSDEC Name:** **CON EDISON** **Facility Id: NYP004344081**
NYSDEC Address: SWC W 130 & CONVENT AVE NEW YORK, NY 10027 TT−Id: 740A−0096−761
MH #30824

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 284 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: W 130TH ST / CONVENT AVE
Revised zip code: NO CHANGE

US EPA RCRA (Resource Conservation and Recovery Act) information not reported; Site information reported by NYS DEC.

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	HISTORIC MAXIMUM YEAR
D008	Lead	500	POUNDS	GENERATED	2013		

Map Identification Number 313 **NYSDEC Name:** **CON EDISON** **Facility Id: NYP004351268**
NYSDEC Address: SE CONVENT AVE 7 130TH ST SB 30827 NEW YORK, NY 10027 TT−Id: 740A−0095−575

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 284 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: CONVENT AVE / W 130TH ST
Revised zip code: NO CHANGE

US EPA RCRA (Resource Conservation and Recovery Act) information not reported; Site information reported by NYS DEC.

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	HISTORIC MAXIMUM YEAR
D008	Lead	500	POUNDS	GENERATED	2013		

Map Identification Number 314 **NYSDEC Name:** **CON EDISON** **Facility Id: NYP004351276**
NYSDEC Address: W 130TH ST 55 FT EO CONVENT AVE MH 21233 NEW YORK, NY 10027 TT−Id: 740A−0095−586

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 284 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: W 130TH ST / CONVENT AVE
Revised zip code: NO CHANGE

US EPA RCRA (Resource Conservation and Recovery Act) information not reported; Site information reported by NYS DEC.

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	HISTORIC MAXIMUM YEAR
D008	Lead	1000	POUNDS	GENERATED	2013		

Map Identification Number 315 **NYSDEC Name:** **CON EDISON** **Facility Id: NYP004403820**
NYSDEC Address: W 130TH ST & CONVENT AVE NEW YORK, NY 10027 TT−Id: 740A−0100−769
SB58040

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 284 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: W 130TH ST / CONVENT AVE
Revised zip code: NO CHANGE

US EPA RCRA (Resource Conservation and Recovery Act) information not reported; Site information reported by NYS DEC.

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	HISTORIC MAXIMUM YEAR
D008	Lead	2000	POUNDS	GENERATED	2013		

Map Identification Number 316 **NYSDEC Name:** **NYC CITY COLLEGE** **Facility Id: NYR981487226**
NYSDEC Address: COVENANT AVE & 130TH ST NEW YORK, NY 10031 TT−Id: 740A−0029−233

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 284 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: CONVENT AVE / W 130TH ST
Revised zip code: 10027

US EPA RCRA (Resource Conservation and Recovery Act) information not reported; Site information reported by NYS DEC.

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	HISTORIC MAXIMUM YEAR

NONE No hazardous waste activity reported by NYS up to 2/25/2014.

Map Identification Number 317 **NYSDEC Name:** **NYCTA** **Facility Id: NYD980642342**

NYSDEC Address: 1381 AMSTERDAM AVE NEW YORK, NY 10027 TT−Id: 740A−0026−167
EPA (RCRA) Name: NYCT−AMSTERDAM AVE DEPOT
EPA (RCRA) Address: 1381 AMSTERDAM AVE NEW YORK, NY 10027

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 285 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

US EPA RCRA Type: LARGE QUANTITY GENERATOR
Land Disposal: Receives offsite waste: Incinerator: Notification date: 07/17/2000
Storer: Treatment facility: Transporter:

Contact Name: JENNIFER WUOTINEN	Source Type: Annual/Biennial Report update with Notification	Contact Phone: 646−252−5777	Contact Info Date: 03/02/2010
Contact Name: WILLIAM SLADE	Source Type: Implementer	Contact Phone: 914−681−6405	Contact Info Date: 01/01/2007
Contact Name: WILLIAM SLADE	Source Type: Notification	Contact Phone: 914−681−6405	Contact Info Date: 07/17/2000
Contact Name: JENNIFER WUOTINEN	Source Type: Annual/Biennial Report	Contact Phone: 646−252−5777	Contact Info Date: 01/31/2008

Historically listed as the following USEPA RCRA Generator Size(s) as well:
SMALL QUANTITY GENERATOR
CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR

US EPA RCRA Violations:
Violation Type: Listing − General
Violation Number: 0001 Location: NY
Former Citation:
Responsible Agency: STATE
Violation Determination Date: 05/20/2011
Violation Return to Compliance: 07/15/2011

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	HISTORIC MAXIMUM YEAR
D001	Solid waste that exhibits the characteristic of ignitability	85	GALLONS	GENERATED	2010	951	1993
D008	Lead	420	POUNDS	GENERATED	2010	2764	2007
D008	Lead	55	GALLONS	GENERATED	2007		

NYS DEC Manifested Waste Transactions for NYD980642342 continued −−−

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	HISTORIC MAXIMUM YEAR
More than one waste code was reported for the following waste amount:		8	GALLONS	GENERATED	2007		
D001	Solid waste that exhibits the characteristic of ignitability						
D005	Barium						
D002	Solid waste that exhibits the characteristic of corrosivity	95	GALLONS	GENERATED	2006		
D009	Mercury	581	POUNDS	GENERATED	2000		
D001	Solid waste that exhibits the characteristic of ignitability	2367	POUNDS	GENERATED	1992		
D006	Cadmium	36	POUNDS	GENERATED	1992	1000	1986
D006	Cadmium	1671	GALLONS	GENERATED	1990	10500	1988
F002	Spent halogenated solvents	172	POUNDS	GENERATED	1990		
F005	Spent non−halogenated solvents	55	GALLONS	GENERATED	1989		
X726	Unknown waste type.	2000	GALLONS	GENERATED	1986		

Map Identification Number 318 **NYSDEC Name:** **CON EDISON** **Facility Id: NYP004350708**

NYSDEC Address: FO 70 CONVENT AVE SB 30828 NEW YORK, NY 10027 TT−Id: 740A−0094−216

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 323 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

US EPA RCRA (Resource Conservation and Recovery Act) information not reported; Site information reported by NYS DEC.

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	HISTORIC MAXIMUM YEAR
D008	Lead	500	POUNDS	GENERATED	2013		

Map Identification Number 319 **NYSDEC Name:** **NYNEX** **Facility Id: NYP000929364**

NYSDEC Address:	129TH STREET AND CONVERT	NEW YORK, NY	TT−Id: 740A−0031−971
EPA (RCRA) Name:	CON ED−MH 1794		
EPA (RCRA) Address:	VANDERBILT AVE & ST MARKS	BROOKLYN, NY 112380000	

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 383 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: W 129TH ST/CONVENT AVE
Revised zip code: 10027

Special Note(s): The New York State Department of Environmental Conservation and the U. S. Environmental Protection Agency have reported different locations for this hazardous waste identification number. Available information for both locations is summarized below.

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN
Notification date: None Given
Land Disposal: Receives offsite waste: Incinerator:
Storer: Treatment facility: Transporter:

Contact Name: ANTHONY DRUMMINGS	Source Type: Implementer	Contact Phone: 212−460−3770	Contact Info Date: 02/28/1998
Contact Name: ANTHONY G DRUMMINGS	Source Type: Annual/Biennial Report	Contact Phone: 212−460−3770	Contact Info Date: 02/26/1998

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	HISTORIC MAXIMUM YEAR	HISTORIC MAXIMUM AMOUNT	HISTORIC MAXIMUM YEAR
D001	Solid waste that exhibits the characteristic of ignitability	7	GALLONS	GENERATED	1999		
B003	Petroleum oil or other liquid containing 500 ppm or greater of PCBs.	1209	KILOGRAMS	GENERATED	1997		
B007	Other PCB Wastes including contaminated soil, solids, sludges, clothing, etc.	2	CUBIC YDS	GENERATED	1997		
D008	Lead	300	POUNDS	GENERATED	1996		

Map Identification Number 320 **NYSDEC Name:** **CONED** **Facility Id: NYP004245882**

NYSDEC Address:	CONVENT AVE W 129TH ST	NEW YORK, NY	TT−Id: 740A−0080−192
EPA (RCRA) Name:	CON EDISON MANHOLE 30825		
EPA (RCRA) Address:	W 129TH ST & CONVENT AVE NE COR	NEW YORK, NY 10027	

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 383 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: CONVENT AVE / W 129TH ST
Revised zip code: NO CHANGE

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN
Land Disposal: Receives offsite waste:
Storer: Treatment facility:
Notification date: None Given
Incinerator:
Transporter:
Contact Name: STEVEN ALVARADO Source Type: Emergency Contact Phone: 212−427−733 Contact Info Date: 12/27/2011
Contact Name: STEVEN ALVARADO Source Type: Implementer Contact Phone: 212−427−733 Contact Info Date: 01/26/2012

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	HISTORIC MAXIMUM YEAR	HISTORIC MAXIMUM AMOUNT	HISTORIC MAXIMUM YEAR
D008	Lead	200	POUNDS	GENERATED	2011		

Map Identification Number 321 **NYSDEC Name:** **CON EDISON** **Facility Id: NYP004350062**
NYSDEC Address: S/E/C W. 129TH ST & CONVENT AVE NEW YORK, NY 10027 TT−Id: 740A−0096−640
SERVICE BOX # 30820

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 383 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: W. 129TH ST / CONVENT AVE
Revised zip code: NO CHANGE

US EPA RCRA (Resource Conservation and Recovery Act) information not reported; Site information reported by NYS DEC.

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	HISTORIC MAXIMUM YEAR	HISTORIC MAXIMUM AMOUNT	HISTORIC MAXIMUM YEAR
D008	Lead	400	POUNDS	GENERATED	2013		

Map Identification Number 322 **NYSDEC Name:** **CON EDISON** **Facility Id: NYP004350716**
NYSDEC Address: FO 1429 AMSTERDAM AVE NEW YORK, NY 10027 TT−Id: 740A−0093−035
SB 24667

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 416 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

US EPA RCRA (Resource Conservation and Recovery Act) information not reported; Site information reported by NYS DEC.

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	HISTORIC MAXIMUM YEAR	HISTORIC MAXIMUM AMOUNT	HISTORIC MAXIMUM YEAR
D008	Lead	1000	POUNDS	GENERATED	2013		

Map Identification Number 323 **NYSDEC Name:** **NYNEX** **Facility Id: NYP000914028**
NYSDEC Address: AMSTERDAM AVE & 128TH ST NEW YORK, NY 10027 TT−Id: 740A−0025−046

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 458 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: AMSTERDAM AVE / W 128TH ST
Revised zip code: NO CHANGE

US EPA RCRA (Resource Conservation and Recovery Act) information not reported; Site information reported by NYS DEC.

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	HISTORIC MAXIMUM YEAR	HISTORIC MAXIMUM AMOUNT	HISTORIC MAXIMUM YEAR
D008	Lead	330	GALLONS	GENERATED	1994		

Map Identification Number 324 **NYSDEC Name:** **CONED** **Facility Id: NYP004178190**
NYSDEC Address: W128TH ST & AMSTERDAM AVE NEW YORK, NY 10001 TT−Id: 740A−0067−073

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 458 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: W 128TH ST / AMSTERDAM AVE
Revised zip code: NO CHANGE

US EPA RCRA (Resource Conservation and Recovery Act) information not reported; Site information reported by NYS DEC.

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	HISTORIC MAXIMUM YEAR	HISTORIC MAXIMUM AMOUNT	HISTORIC MAXIMUM YEAR
D008	Lead	1000	POUNDS	GENERATED	2009		

Map Identification Number 325 **NYSDEC Name:** **CON EDISON MANHOLE 9240** **Facility Id: NYP004146734**

NYSDEC Address: 538 W 128 ST NEW YORK, NY 10001 TT−Id: 740A−0062−472
EPA (RCRA) Name: CON EDISON MANHOLE 9240
EPA (RCRA) Address: 538 W 128 ST NEW YORK, NY 10001

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (5)
Approximate distance from property: 459 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: 538 W 128TH ST
Revised zip code: 10027

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN
Notification date: None Given
Land Disposal: Receives offsite waste: Incinerator:
Storer: Treatment facility: Transporter:
Contact Name: PAUL WALSH Source Type: Emergency Contact Phone: 212−580−8383 Contact Info Date: 01/09/2007
Contact Name: PAUL WALSH Source Type: Implementer Contact Phone: 212−580−8383 Contact Info Date: 01/11/2007

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	HISTORIC MAXIMUM YEAR	HISTORIC MAXIMUM AMOUNT	HISTORIC MAXIMUM YEAR
NONE	Site reported by US EPA. No hazardous waste activity reported by NYS.						

Map Identification Number 326 **EPA (RCRA) Name:** **CON EDISON** **Facility Id: NYP004178562**

EPA (RCRA) Address: SE COR W 131ST ST & AMSTERDAM AVE NEW YORK, NY 10026 TT−Id: 740A−0074−193
NYSDEC Name: CONSOLIDATED EDISON
NYSDEC Address: S/E CORNER W 131ST ST NEW YORK, NY

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 467 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: W 131ST ST / AMSTERDAM AVE
Revised zip code: NO CHANGE

Special Note(s): The New York State Department of Environmental Conservation and the U. S. Environmental Protection Agency have reported different locations for this hazardous waste identification number. Available information for both locations is summarized below.

US EPA RCRA Type: CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR Notification date: None Given
Land Disposal: Receives offsite waste: Incinerator:
Storer: Treatment facility: Transporter:
Contact Name: TIMOTHY REGAN Source Type: Emergency Contact Phone: 917−416−5436 Contact Info Date: 06/22/2009

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	HISTORIC MAXIMUM YEAR
D008	Lead	1000	POUNDS	GENERATED	2009		

Map Identification Number 327 **NYSDEC Name:** **CONSOLIDATED EDISON OF NY** **Facility Id: NYP004256756**
NYSDEC Address: N/W/C 131ST ST AMSTERDAM AVE NEW YORK, NY 10027 TT−Id: 740A−0082−736
EPA (RCRA) Name: CON EDISON MANHOLE: 24669
EPA (RCRA) Address: W 131ST ST & AMSTERDAM AVE NW COR NEW YORK, NY 10027

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 467 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: W 131ST ST / AMSTERDAM AVE
Revised zip code: NO CHANGE

US EPA RCRA Type: CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR Notification date: None Given
Land Disposal: Receives offsite waste: Incinerator:
Storer: Treatment facility: Transporter:
Contact Name: JOSE MONTALVO Source Type: Emergency Contact Phone: 212−427−1331 Contact Info Date: 07/03/2012

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	HISTORIC MAXIMUM YEAR
D008	Lead	2000	POUNDS	GENERATED	2012		

Map Identification Number 328 **NYSDEC Name:** **CON EDISON** **Facility Id: NYP004260659**

NYSDEC Address: N OF 131ST & AMSTERDAM AVE NEW YORK, NY 10027 TT−Id: 740A−0082−740
EPA (RCRA) Name: CON EDISON MANHOLE: 24669
EPA (RCRA) Address: W AMSTERDAM AVE & 131ST ST NW NEW YORK, NY 10027

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 467 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: W 131ST ST / AMSTERDAM AVE
Revised zip code: NO CHANGE

US EPA RCRA Type: CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR
Land Disposal: Receives offsite waste:
Storer: Treatment facility:
Notification date: None Given
Incinerator:
Transporter:
Contact Name: RICARDO CARTY Source Type: Emergency Contact Phone: 212−643−3044 Contact Info Date: 07/31/2012

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	HISTORIC MAXIMUM YEAR	HISTORIC MAXIMUM AMOUNT	HISTORIC MAXIMUM YEAR
D008	Lead	500	POUNDS	GENERATED	2012		

Map Identification Number 329 **NYSDEC Name:** **CON EDISON** **Facility Id: NYP004279659**

NYSDEC Address: NW COR W 131 ST & AMSTERDAM AVE MH 24669 NEW YORK, NY 10027 TT−Id: 740A−0084−923
EPA (RCRA) Name: CON EDISON MANHOLE: 24669
EPA (RCRA) Address: W 131ST ST & AMSTERDAM NW COR NEW YORK, NY 10027

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 467 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: W 131ST ST / AMSTERDAM AVE
Revised zip code: NO CHANGE

US EPA RCRA Type: CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR
Land Disposal: Receives offsite waste:
Storer: Treatment facility:
Notification date: None Given
Incinerator:
Transporter:
Contact Name: MEGAN KUDLACK Source Type: Emergency Contact Phone: 212−466−8415 Contact Info Date: 12/06/2012

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	HISTORIC MAXIMUM YEAR	HISTORIC MAXIMUM AMOUNT	HISTORIC MAXIMUM YEAR
D008	Lead	500	POUNDS	GENERATED	2012		

Map Identification Number 330 **NYSDEC Name:** **CONSOLIDATED EDISON** **Facility Id: NYP004165916**

NYSDEC Address: 88 CONVENT AVE MANHATTAN, NY 10003 TT−Id: 740A−0066−527
EPA (RCRA) Name: CON EDISON
EPA (RCRA) Address: 88 CONVENT AVE N OF W 131ST ST NEW YORK, NY 10027

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 472 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

US EPA RCRA Type: CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR Notification date: None Given
Land Disposal: Receives offsite waste: Incinerator:
Storer: Treatment facility: Transporter:
Contact Name: NEIL SKOW Source Type: Emergency Contact Phone: 718−204−4249 Contact Info Date: 04/03/2009

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	HISTORIC MAXIMUM YEAR	HISTORIC MAXIMUM AMOUNT	HISTORIC MAXIMUM YEAR
D008	Lead	100	GALLONS	GENERATED	2009		

Map Identification Number 331 **NYSDEC Name:** **CONSOLIDATED EDISON** **Facility Id: NYP004166815**

NYSDEC Address: 473 W 126TH ST NEW YORK, NY 10003 TT−Id: 740A−0066−564
EPA (RCRA) Name: CON EDISON
EPA (RCRA) Address: 473 W 126TH ST E OF AMSTERDAM AVE NEW YORK, NY 10027

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 476 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

US EPA RCRA Type: CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR Notification date: None Given
Land Disposal: Receives offsite waste: Incinerator:
Storer: Treatment facility: Transporter:
Contact Name: ANTHONY BUDA Source Type: Emergency Contact Phone: 917−440−1809 Contact Info Date: 04/13/2009

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	HISTORIC MAXIMUM YEAR
D008	Lead	75	GALLONS	GENERATED	2009		

Map Identification Number 332 **NYSDEC Name:** **NYC BOARD OF EDUCATION** **Facility Id: NYR000073486**
NYSDEC Address: JHS 43 M − 509 W 129TH ST NEW YORK, NY TT−Id: 740A−0026−410
EPA (RCRA) Name: NYC DEPT OF EDUCATION − JHS 43M
EPA (RCRA) Address: 509 W 129TH ST NEW YORK, NY 10027

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 499 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: 509 W 129TH ST
Revised zip code: 10027

US EPA RCRA Type: SMALL QUANTITY GENERATOR Notification date: 04/29/2013
Land Disposal: Receives offsite waste: Incinerator:
Storer: Treatment facility: Transporter:
Contact Name: LECH SAWICKI Source Type: Implementer Contact Phone: 718−784−2229 Contact Info Date: 01/01/2007
Contact Name: ALEXANDER LEMPERT Source Type: Notification Contact Phone: 718−472−8501 Contact Info Date: 04/29/2013

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	HISTORIC MAXIMUM YEAR
D008	Lead	200	POUNDS	GENERATED	1999		

Map Identification Number 333 **NYSDEC Name:** **CON EDISON** **Facility Id: NYP004349767**
NYSDEC Address: 419 W 129TH ST NEW YORK, NY 10027 TT−Id: 740A−0092−884
SERVICE BOX # 21106

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 539 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

US EPA RCRA (Resource Conservation and Recovery Act) information not reported; Site information reported by NYS DEC.

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	HISTORIC MAXIMUM YEAR	HISTORIC MAXIMUM AMOUNT	HISTORIC MAXIMUM YEAR
D008	Lead	400	POUNDS	GENERATED	2013		

Map Identification Number 334 **NYSDEC Name:** **CON EDISON** **Facility Id: NYP004349502**
NYSDEC Address: F/O 449W 128TH ST MANHATTAN, NY 10027 TT−Id: 740A−0096−701
SERVICE BOX # 20985

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 542 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: IFO 449 W 128TH ST
Revised zip code: NO CHANGE

US EPA RCRA (Resource Conservation and Recovery Act) information not reported; Site information reported by NYS DEC.

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	HISTORIC MAXIMUM YEAR	HISTORIC MAXIMUM AMOUNT	HISTORIC MAXIMUM YEAR
D008	Lead	750	POUNDS	GENERATED	2013		

Map Identification Number 335 **NYSDEC Name:** **NYC BOARD OF EDUCATION − PS 129** **Facility Id: NYR000009530**
NYSDEC Address: 425 W 130TH STREET NEW YORK, NY 10027 TT−Id: 740A−0028−367
EPA (RCRA) Name: NYC DEPT OF EDUCATION − PS 129M
EPA (RCRA) Address: 425 W 130TH ST NEW YORK, NY 10027

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 545 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

US EPA RCRA Type: SMALL QUANTITY GENERATOR
Land Disposal: Receives offsite waste: Incinerator:
Storer: Treatment facility: Transporter:
Notification date: 11/26/2013
Contact Name: ROBERT GUASTA Source Type: Implementer Contact Phone: 718−349−5590 Contact Info Date: 01/01/2007
Contact Name: ALEXANDER LEMPERT Source Type: Notification Contact Phone: 718−472−8501 Contact Info Date: 11/26/2013

Historically listed as the following USEPA RCRA Generator Size(s) as well:
CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	HISTORIC MAXIMUM YEAR	HISTORIC MAXIMUM AMOUNT	HISTORIC MAXIMUM YEAR
D008	Lead	100	POUNDS	GENERATED	1995		

Map Identification Number 336 **NYSDEC Name:** **CON EDISON** **Facility Id: NYP004349494**
NYSDEC Address: F/O 22 CONVENT AVE MANHATTAN, NY 10027 TT−Id: 740A−0096−708
SERVICE BOX # 30813

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 545 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: IFO 22 CONVENT AVE
Revised zip code: NO CHANGE

US EPA RCRA (Resource Conservation and Recovery Act) information not reported; Site information reported by NYS DEC.

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	HISTORIC MAXIMUM YEAR
D008	Lead	500	POUNDS	GENERATED	2013		

Map Identification Number 337 **NYSDEC Name:** **CON EDISON** **Facility Id: NYP004428314**
NYSDEC Address: F/O 22 CONVENT AVE NEW YORK, NY 10027 TT−Id: 740A−0104−779

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 545 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: IFO 22 CONVENT AVE
Revised zip code: NO CHANGE

US EPA RCRA (Resource Conservation and Recovery Act) information not reported; Site information reported by NYS DEC.

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	HISTORIC MAXIMUM YEAR
D008	Lead	750	POUNDS	GENERATED	2014		

NOTE: 2014 waste amounts are for 1/1/14 to 2/25/14 only

Map Identification Number 338 **NYSDEC Name:** **CON EDISON** **Facility Id: NYP004350732**
NYSDEC Address: FO 1441 AMSTERDAM AVE NEW YORK, NY 10027 TT−Id: 740A−0094−218
SB 24673

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 564 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

US EPA RCRA (Resource Conservation and Recovery Act) information not reported; Site information reported by NYS DEC.

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	HISTORIC MAXIMUM YEAR
D008	Lead	500	POUNDS	GENERATED	2013		

Map Identification Number 339 **NYSDEC Name:** **BETANCOURT PROPERTY** **Facility Id: NYR000041939**

NYSDEC Address: 458 WEST 128TH ST NEW YORK, NY 10032 TT−Id: 740A−0029−666
EPA (RCRA) Name: BETANCOURT JOSE − PRIVATE PROPERTY
EPA (RCRA) Address: 458 W 128TH ST NEW YORK, NY 100272500

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 574 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: 458 W 128TH ST
Revised zip code: 10027

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN
Notification date: 07/03/1997
Land Disposal: Receives offsite waste: Incinerator:
Storer: Treatment facility: Transporter:
Contact Name: JOSE BETANCOURT Source Type: Notification Contact Phone: 718−292−2500 Contact Info Date: 07/03/1997
Contact Name: JOSE BENTANCOURT Source Type: Annual/Biennial Report Contact Phone: 718−292−2500 Contact Info Date: 08/12/1998

Historically listed as the following USEPA RCRA Generator Size(s) as well:
LARGE QUANTITY GENERATOR

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	HISTORIC MAXIMUM YEAR
D008	Lead	80	CUBIC YDS	GENERATED	1997		

Map Identification Number 340 **NYSDEC Name:** **CONSOLIDATED EDISON** **Facility Id: NYD004048880**
NYSDEC Address: VS5942−AMERSTAM ST & 126TH ST NEW YORK, NY 10001 TT−Id: 740A−0024−987

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 583 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: AMSTERDAM AVE / W 126TH ST
Revised zip code: 10027

This facility has been deleted from the reported data. Data reflects last reported information.
US EPA RCRA (Resource Conservation and Recovery Act) information not reported; Site information reported by NYS DEC.

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	HISTORIC MAXIMUM YEAR
NONE	No hazardous waste activity reported by NYS up to 2/25/2014.						

Map Identification Number 341 **NYSDEC Name:** **CONSOLIDATED EDISON** **Facility Id: NYP004048880**
NYSDEC Address: VS5942 − AMERSTAM & 126TH NEW YORK, NY 10001 TT−Id: 740A−0025−376

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 583 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: AMSTERDAM AVE / W 126TH ST
Revised zip code: 10027

US EPA RCRA (Resource Conservation and Recovery Act) information not reported; Site information reported by NYS DEC.

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	HISTORIC MAXIMUM YEAR
B002	Petroleum oil or other liquid containing 50 ppm < PCBs < 500 ppm	916	KILOGRAMS	GENERATED	2000		

Map Identification Number 342 **NYSDEC Name:** **CCNY − PARK GYMNASIUM** **Facility Id: NYR000005074**

NYSDEC Address: 77 CONVENT AVE NEW YORK, NY 10031 TT−Id: 740A−0029−663
EPA (RCRA) Name: CCNY − PARK GYMNASIUM
EPA (RCRA) Address: 77 CONVENT AVE NEW YORK, NY 10031

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (2)
Approximate distance from property: 610 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: CONVENT AVE
Revised zip code: UNKNOWN

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN
Land Disposal: Receives offsite waste: Incinerator:
Storer: Treatment facility: Transporter:
Notification date: 05/17/1995
Contact Name: JOHN BLAKE Source Type: Notification Contact Phone: 914−681−6384 Contact Info Date: 05/17/1995

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	HISTORIC MAXIMUM YEAR	HISTORIC MAXIMUM AMOUNT	HISTORIC MAXIMUM YEAR
NONE	Site reported by US EPA. No hazardous waste activity reported by NYS.						

Map Identification Number 343 **EPA (RCRA) Name:** **CON EDISON** **Facility Id: NYP004189072**

EPA (RCRA) Address: W 128TH ST & CONVENT AVE NEW YORK, NY 10027 TT−Id: 740A−0075−621
NYSDEC Name: CONSOLIDATED EDISON
NYSDEC Address: CONVENT AVE SOUTH WEST CORNER NEW YORK, NY

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 629 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: W 128TH ST / CONVENT AVE
Revised zip code: NO CHANGE

Special Note(s): The New York State Department of Environmental Conservation and the U. S. Environmental Protection Agency have reported different locations for this hazardous waste identification number. Available information for both locations is summarized below.

US EPA RCRA Type: CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR
Land Disposal: Receives offsite waste: Incinerator:
Storer: Treatment facility: Transporter:
Notification date: None Given
Contact Name: ANTONIO DELGADO Source Type: Emergency Contact Phone: 212−580−8383 Contact Info Date: 07/30/2009

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	HISTORIC MAXIMUM YEAR	HISTORIC MAXIMUM AMOUNT	HISTORIC MAXIMUM YEAR
D008	Lead	1500	POUNDS	GENERATED	2009		

Map Identification Number 344 **NYSDEC Name:** **CON EDISON** **Facility Id: NYP004350104**
NYSDEC Address: N/E/C CONVENT AVE & W. 128TH ST NEW YORK, NY 10027 TT−Id: 740A−0096−636
SERVICE BOX # 30816

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 629 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: CONVENT AVE / W. 128TH ST
Revised zip code: NO CHANGE

US EPA RCRA (Resource Conservation and Recovery Act) information not reported; Site information reported by NYS DEC.

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	HISTORIC MAXIMUM YEAR	HISTORIC MAXIMUM AMOUNT	HISTORIC MAXIMUM YEAR
D008	Lead	300	POUNDS	GENERATED	2013		

Map Identification Number 345 **NYSDEC Name:** **CON EDISON** **Facility Id: NYP004350609**
NYSDEC Address: NWC W 128 ST & CONVENT AVE NEW YORK, NY 10001 TT−Id: 740A−0096−166
SB 30812

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 629 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: WEST 128TH ST / CONVENT AVE
Revised zip code: NO CHANGE

US EPA RCRA (Resource Conservation and Recovery Act) information not reported; Site information reported by NYS DEC.

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	HISTORIC MAXIMUM YEAR	HISTORIC MAXIMUM AMOUNT	HISTORIC MAXIMUM YEAR
D008	Lead	500	POUNDS	GENERATED	2013		

Map Identification Number 346 **NYSDEC Name:** **CONSOLIDATED EDISON** **Facility Id: NYP004165866**

NYSDEC Address: 96 CONVENT AVE NEW YORK, NY 10003 TT−Id: 740A−0066−523
EPA (RCRA) Name: CON EDISON
EPA (RCRA) Address: 96 CONVENT AVE S OF W 133RD ST NEW YORK, NY 10027

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 641 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

US EPA RCRA Type: CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR
Notification date: None Given
Land Disposal: Receives offsite waste: Incinerator:
Storer: Treatment facility: Transporter:
Contact Name: NEIL SKOW Source Type: Emergency Contact Phone: 718−204−4249 Contact Info Date: 04/03/2009

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	HISTORIC MAXIMUM YEAR	HISTORIC MAXIMUM AMOUNT	HISTORIC MAXIMUM YEAR
D008	Lead	50	GALLONS	GENERATED	2009		

Map Identification Number 347 **NYSDEC Name:** **CONSOLIDATED EDISON** **Facility Id: NYP004178604**

NYSDEC Address: 1470 AMSTERDAM AVE NEW YORK, NY 10020 TT−Id: 740A−0066−817

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING − LARGE SITE
Approximate distance from property: 645 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 10027

US EPA RCRA (Resource Conservation and Recovery Act) information not reported; Site information reported by NYS DEC.

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	HISTORIC MAXIMUM YEAR
D008	Lead	1000	POUNDS	GENERATED	2009		

Map Identification Number 348 **NYSDEC Name:** **CONSOLIDATED EDISON** **Facility Id: NYP004253720**
NYSDEC Address: 1420 AMSTERDAM AVE NEW YORK, NY 10027 TT−Id: 740A−0081−898

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING − LARGE SITE
Approximate distance from property: 645 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 10027

US EPA RCRA (Resource Conservation and Recovery Act) information not reported; Site information reported by NYS DEC.

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	HISTORIC MAXIMUM YEAR
D008	Lead	500	POUNDS	GENERATED	2012		

Map Identification Number 349 **NYSDEC Name:** **CON EDISON** **Facility Id: NYP004350690**
NYSDEC Address: FO 1426 AMSTERDAM AVE NEW YORK, NY 10027 TT−Id: 740A−0093−034
SB 24662

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING − LARGE SITE
Approximate distance from property: 645 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: 1426 AMSTERDAM AVE
Revised zip code: NO CHANGE

US EPA RCRA (Resource Conservation and Recovery Act) information not reported; Site information reported by NYS DEC.

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	HISTORIC MAXIMUM YEAR
D008	Lead	500	POUNDS	GENERATED	2013		

Map Identification Number 350 **NYSDEC Name:** **CON EDISON** **Facility Id: NYP004350724**
NYSDEC Address: FO 1430 AMSTERDAM AVE NEW YORK, NY 10027 TT−Id: 740A−0094−217
SB 24663

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING − LARGE SITE
Approximate distance from property: 645 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: 1430 AMSTERDAM AVE
Revised zip code: 10027

US EPA RCRA (Resource Conservation and Recovery Act) information not reported; Site information reported by NYS DEC.

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	HISTORIC MAXIMUM YEAR
D008	Lead	500	POUNDS	GENERATED	2013		

Map Identification Number 351 **NYSDEC Name:** **CON EDISON** **Facility Id: NYP004351920**
NYSDEC Address: OPP 508 W 133 ST NEW YORK, NY 10031 TT−Id: 740A−0094−230
SERVICE BOX # 21521

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING − LARGE SITE
Approximate distance from property: 645 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: 508 W 133RD ST
Revised zip code: 10027

US EPA RCRA (Resource Conservation and Recovery Act) information not reported; Site information reported by NYS DEC.

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	HISTORIC MAXIMUM YEAR
D008	Lead	300	POUNDS	GENERATED	2013		

Map Identification Number 352 **NYSDEC Name:** **CON EDISON** **Facility Id: NYP004417184**
NYSDEC Address: 530 W 133 ST NEW YORK, NY 10027 TT−Id: 740A−0101−742
SERVICE BOX # 21524

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING − LARGE SITE
Approximate distance from property: 645 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: 530 W 133RD ST
Revised zip code: 10027

US EPA RCRA (Resource Conservation and Recovery Act) information not reported; Site information reported by NYS DEC.

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	HISTORIC MAXIMUM YEAR
D008	Lead	500	POUNDS	GENERATED	2014		

NOTE: 2014 waste amounts are for 1/1/14 to 2/25/14 only

Map Identification Number 353 **NYSDEC Name:** **NYC HOUSING AUTHORITY** **Facility Id: NYR000053074**
NYSDEC Address: 555 W 126TH ST NEW YORK, NY 10029 TT−Id: 740A−0026−870
EPA (RCRA) Name: NYCHA − MANHATTANVILLE
EPA (RCRA) Address: 555 W 126TH ST NEW YORK, NY 10027

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING − LARGE SITE
Approximate distance from property: 645 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 10027

US EPA RCRA Type: CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR Notification date: 04/02/1998
Land Disposal: Receives offsite waste: Incinerator:
Storer: Treatment facility: Transporter:
Contact Name: FRANK OCELLO Source Type: Implementer Contact Phone: 212−306−3229 Contact Info Date: 01/01/2007
Contact Name: FRANK OCELLO Source Type: Notification Contact Phone: 212−306−3229 Contact Info Date: 04/02/1998

Historically listed as the following USEPA RCRA Generator Size(s) as well:
SMALL QUANTITY GENERATOR

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	HISTORIC MAXIMUM YEAR	HISTORIC MAXIMUM AMOUNT	HISTORIC MAXIMUM YEAR
D001	Solid waste that exhibits the characteristic of ignitability	115	GALLONS	GENERATED	2003		
U114	Ethylenebisdithiocarbamic acid, salts & esters	39	POUNDS	GENERATED	1998		

Map Identification Number 354 **NYSDEC Name:** **CON EDISON** **Facility Id: NYP004349742**
NYSDEC Address: N/E/C W 126 ST AND W 127 ST NEW YORK, NY 10027 TT−Id: 740A−0101−409
SERVICE BOX # 20731

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 649 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: W 126TH ST / W 127TH ST
Revised zip code: NO CHANGE

US EPA RCRA (Resource Conservation and Recovery Act) information not reported; Site information reported by NYS DEC.

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	HISTORIC MAXIMUM YEAR	HISTORIC MAXIMUM AMOUNT	HISTORIC MAXIMUM YEAR
D008	Lead	300	POUNDS	GENERATED	2013		

CHEMICAL STORAGE FACILITIES IDENTIFIED WITHIN THE 1/8 MILE SEARCH RADIUS

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 355 **AMSTERDAM BUS DEPOT** **Facility Id: 2−000288**
1381 AMSTERDAM AVENUE NEW YORK, NY 10027 TT−Id: 780A−0001−429

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 229 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Expiration Date of the facility's registration certificate: 08/11/2011 Site Status: Unregulated
Site Type: Municipality (Incl. Waste Water Treatment Plants, Utilities, Swimming Pools, etc.)

NOTE: The following detailed facility and tank information has not been made publicly available by the NYSDEC since 1/1/2002.

Owner Name: NEW YORK CITY TRANSIT
Owner Address: 370 JAY STREET ROOM 819 BROOKLYN, NY 11201
Operator Name: NEW YORK CITY TRANSIT Facility Phone #: (212) 690−9602

TANK NUMBER	TANK STATUS	CHEMICAL NAME	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	DATE CLOSED
CBS−AMS−1	CLOSED−REMOVED	ETHYLENE GLYCOL	550	ABOVEGROUND	01/63	11/99
CBS−AMS−2	CLOSED−REMOVED	ETHYLENE GLYCOL	550	ABOVEGROUND	01/63	00/96
CBS−AMS−3	CONVERTED−NONREGULAT	ETHYLENE GLYCOL	500	ABOVEGROUND	12/91	12/99
CBS−AMS−4	IN SERVICE	ETHYLENE GLYCOL	500	ABOVEGROUND	11/99	
The following tank(s) were either deleted from the reported data or the number was re−assigned.						
1	IN SERVICE	ETHYLENE GLYCOL	550	ABOVEGROUND	01/63	
2	IN SERVICE	ETHYLENE GLYCOL	550	ABOVEGROUND	01/63	
3	IN SERVICE	ETHYLENE GLYCOL	500	ABOVEGROUND	12/91	

Toxicity Information Summary

CHEMICAL NAME	CAS−NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
ETHYLENE GLYCOL	107211	X	X	X	X	X	50 ug/L

Map Identification Number 356 **SHELTERING ARMS** **Facility Id: 2−000146**
126−129 OLD BROADWAY & AMSTERDAM AVE. NEW YORK CITY, NY 10027 TT−Id: 780A−0003−102

MAP LOCATION INFORMATION
Site location mapped by: MAP COORDINATE (1)
Approximate distance from property: 472 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: 126−129 OLD BROADWAY / AMSTERDAM AVE.
Revised zip code: NO CHANGE

Expiration Date of the facility's registration certificate: 12/08/2003
Site Status: Unregulated
Site Type: Municipality (Incl. Waste Water Treatment Plants, Utilities, Swimming Pools, etc.)

NOTE: The following detailed facility and tank information has not been made publicly available by the NYSDEC since 1/1/2002.

Owner Name: N.Y.C. DEPT. OF PARKS & RECREATION
Owner Address: 16 W 61 ST. MANHATTAN, NY 10023
Operator Name: RAYFIELD HOPKINS Facility Phone #: (212) 662−6191

TANK NUMBER	TANK STATUS	CHEMICAL NAME	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	DATE CLOSED
001	IN SERVICE	CHLORINE	300	ABOVEGROUND	05/88	

Toxicity Information Summary

CHEMICAL NAME	CAS−NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
CHLORINE	7782505	X		X	X		

NO HISTORIC UTILITY SITES IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS

NO HAZARDOUS SUBSTANCE WASTE DISPOSAL SITES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

TOXIC AIR, LAND AND WATER RELEASES IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 357 **AMSTERDAM BUS DEPOT** **EPA Tri Id: 10027MSTRD1381A**
1381 AMSTERDAM AVE. NEW YORK, NY 10027 TT−Id: 860A−0001−608
Mail Name:
Mail Address: NEW YORK, NY 10027

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 256 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source: EPA EPA Facility Status: OPEN
Public Contact: M. NELSON Public Contact Phone #: (212) 690−9589

CHEMICAL NAME	AMOUNT (LBS/YR)	YEAR	RELEASE TYPE	MAXIMUM AMOUNT STORED (LBS)
ETHYLENE GLYCOL	9500	1997	Transfer to Waste Broker−Recycling	10000 to 99999

NO WASTEWATER DISCHARGES IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS

AIR DISCHARGE FACILITIES IDENTIFIED WITHIN THE 1/8 MILE SEARCH RADIUS

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 358 **NYCTA − AMSTERDAM BUS DEPOT** **Facility Id: 36061HA0PX** **State−county CDS Id: 36061HA0PX**
1381 AMSTERDAM AVENUE NEW YORK, NY 10027 State−county NED id:
TT−ID: 900A−0003−696

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 241 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

CDS−ID: HA0PX NED−ID: None Given EPA−ID: None Given FINDS−ID: None Given
Plant Phone #1: None Given Plant Phone #2: None Given
Operating Status: OPERATING
EPA Classification:
State Classification: ACTUAL OR POTENTIAL EMISSIONS ARE ABOVE THE APPLICABLE MAJOR SOURCE THRESHOLDS
EPA Plant Compliance Status:
State Plant Compliance Status: IN COMPLIANCE − CERTIFICATION

AIR PROGRAM INFORMATION
Regulatory Air Program: TITLE V PERMITS Program Status: OPERATING

POLLUTANT INFORMATION
Pollutant: NITROGEN DIOXIDE
State Pollutant Compliance for this pollutant: IN COMPLIANCE − CERTIFICATION

Map Identification Number 359 **NYCHA−MANHATTANVILLE** **Facility Id: 3606100066** **State−county CDS Id: 3606100066**
549 WEST 126TH ST. NEW YORK, NY 10001 State−county NED id:
EPA (FINDS) Name: NYCHA−MANHATTANVILLE TT−ID: 900A−0003−813
EPA (FINDS) Address: 549 WEST 126TH ST. NEW YORK 10001

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING − LARGE SITE
Approximate distance from property: 655 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: 549 WEST 126TH ST
Revised zip code: 10027

CDS−ID: 00066 NED−ID: None Given EPA−ID: NYD980234652 FINDS−ID: NYD980234652
Plant Phone #1: None Given Plant Phone #2: None Given
Operating Status: OPERATING
EPA Classification:
State Classification: POTENTIAL EMISSIONS ARE BELOW ALL APPLICABLE MAJOR SOURCE THRESHOLDS IF AND ONLY IF SOURCE COMPLIES WITH FEDERALLY ENFORCEABLE REGULATIONS OR LIMITATIONS
EPA Plant Compliance Status:
State Plant Compliance Status: IN COMPLIANCE − CERTIFICATION

AIR PROGRAM INFORMATION
Regulatory Air Program: SIP SOURCE Program Status: OPERATING

POLLUTANT INFORMATION
Pollutant: DEFAULT POLLUTANT FROM CDS
State Pollutant Compliance for this pollutant: IN COMPLIANCE − CERTIFICATION

NO CIVIL & ADMINISTRATIVE ENFORCEMENT DOCKET FACILITIES IDENTIFIED WITHIN THE 1/8 MILE SEARCH RADIUS

NYC ENVIRONMENTAL QUALITY REVIEW REQUIREMENTS − "E" DESIGNATION SITES IDENTIFIED WITHIN 250 FT SEARCH RADIUS

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 360 **BLOCK: 1969 LOT: 12** **TT−Id: 820A−0006−931**
38 CONVENT AVENUE

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (3)
Approximate distance from property: 105 feet to the SE*

ADDRESS CHANGE INFORMATION
Revised street: No Change
Revised zip code: No Change

BBL #	E No.	CEQR No.	ULURP No.	NYC Zoning Maps	Effective Date	Lot Remediation Date	Description
1−01969−0012	E−239	07DCP076M	080039ZMM	6a	12/09/2009		Hazardous Materials Phase I and Phase II Testing Protocol

Map Identification Number 361 **BLOCK: 1969 LOT: 68** **TT−Id: 820A−0006−932**
CONVENT AVENUE

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (3)
Approximate distance from property: 143 feet to the E*

ADDRESS CHANGE INFORMATION
Revised street: No Change
Revised zip code: No Change

BBL #	E No.	CEQR No.	ULURP No.	NYC Zoning Maps	Effective Date	Lot Remediation Date	Description
1−01969−0068	E−239	07DCP076M	080039ZMM	6a	12/09/2009		Hazardous Materials Phase I and Phase II Testing Protocol

Map Identification Number 362 **BLOCK: 1970 LOT: 9** **TT−Id: 820A−0008−747**
489 WEST 130 STREET

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (3)
Approximate distance from property: 215 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: No Change
Revised zip code: No Change

BBL #	E No.	CEQR No.	ULURP No.	NYC Zoning Maps	Effective Date	Lot Remediation Date	Description
1−01970−0009	E−284	12DCP070M	120309ZMM	3b 5c 6a	11/13/2012		Hazardous Materials Phase I and Phase II Testing Protocol

U.S. EPA EMERGENCY RESPONSE NOTIFICATION SYSTEM (ERNS) SPILLS
AT THE LOCATION OR POTENTIALLY AT THE LOCATION OF
487 W 129th Street
New York, NY 10027

* Any ERNS Spills listed below are NOT mapped in this report *

ONSITE ERNS (A count of these spills can be found in the distance interval table):
THIS SITE IS NOT FOUND IN THE ERNS DATABASE

POTENTIALLY ONSITE ERNS:
THIS SITE IS NOT FOUND IN THE ERNS DATABASE

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Unmappable facilities for 'New York' County

NPL/CERCLIS/NYSDEC Inactive Haz. Waste or Reg. Qual. Sites

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
NYD980531578	LEROY SHOT & LEAD WORKS	UNKNOWN	NEW YORK	UNKNOWN

Solid Waste Facilities

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
31D02	PENN CENTRAL DEMO			UNKNOWN
31T06	N.Y. CARTING T.S.			UNKNOWN
		HILLSIDE AVE. & 111TH ST.	MANHATTAN	UNKNOWN
NY00000002077	PENN CENTRAL DEMO	UNKNOWN	UNKNOWN	UNKNOWN

Hazardous Spills - TANK TEST FAILURES - Active

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
1108592	500 ACE AVE - TTF	500 ACE AVE	MANHATTEN	UNKNOWN
9004604	COLUMBIA UNIVERSITY	530 WEST 120TH STREET	NEW YORK	10027

Hazardous Spills - MISC. SPILL CAUSES - Active

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
1400120	CONSTRUCTION SITE	125TH STREET	HARLEM	UNKNOWN
1308187	TRACKBED	EAST RIVER TUNNEL 3 MM 1.14	MANHATTAN	UNKNOWN
0108708	COLUMBIA UNIVERSITY	500 W 120TH ST	NEW YORK	10027
9930008	VARIOUS LOCATIONS DRUMS	DRUMS VARIOUS LOCATIONS	NEW YORK CITY (5 BOROS)	UNKNOWN

Hazardous Spills - TANK FAILURES - Closed

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
0011524	COLUMBIA UNIVERSITY	530 WEST 120TH STREET	NEW YORK	10027
9603272	BERTH 86	BERTH 86	NYC	UNKNOWN

Hazardous Spills - TANK TEST FAILURES - Closed

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
9001811	PIER #192	PORT AUTHORITY PIER #192	NEW YORK	UNKNOWN

Hazardous Spills - UNKNOWN CAUSE OR OTHER CAUSES - Closed

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
9314159	IN HUDSON RIVER-HARLEM RI	IN HUDSON RIVER-HARLEM RI	BRONX	UNKNOWN
9200733	G W BRIDGE MID CHANNEL	G W BRIDGE MID CHANNEL	BRONX	UNKNOWN
1201003	AT INTERSECTION	WEST 125TH ST AND EXTERIOR ST	BRONX	UNKNOWN
0411062	UPPER DECK OF GEORGE WASH	S/B OF PALISADE	BRONX	10033
0209904	VARIOUS DEP -BWSO SITES	MISC.	BRONX/QUEENS/MANHATTAN	UNKNOWN
1309057	DRILL - VESSEL CHEMICAL PIONEER	DRILL - IN HUDSON BAY	DRILL - UNKNOWN	UNKNOWN
1109543	MANHOLE 24957	2201 EAST AMSTERDAM AVE	MANHANTAN	UNKNOWN
9909356	MANHOLE 42241	CENTER ISLAND & PARK RD	MANHATTAN	UNKNOWN
9906142	HUDSON RIVER	NEAR HUDSON RIVER PARKWAY	MANHATTAN	10032
9900428	HARLEM RIVER AT THE	HUDSON RIVER	MANHATTAN	UNKNOWN
9811288	MAN HOLE #353	EAST RIVER STATION	MANHATTAN	UNKNOWN
9804732	WESTSIDE HIGHWAY	WESTSIDE HIGHWAY	MANHATTAN	UNKNOWN
9705754	SEWAGE TREATMENT PLANT	WEST 145TH ST & RIVERSIDE	MANHATTAN	10031
9704385	HUDSON RIVER AREA OF	122ND ST & HUDSON RIVER	MANHATTAN	10027
9702606	UPPER BAY	HUDSON RIVER	MANHATTAN	UNKNOWN
9609739	HUDSON RIVER	BTWN 155TH ST & 42ND ST	MANHATTAN	UNKNOWN
9413538	STERLING RD & UNION PK RD	STERLING RD & UNION PK RD	MANHATTAN	UNKNOWN
9311836	137TH & 136TH STREET	137TH & 136TH STREET	MANHATTAN	10031
9310040	BET. 134TH ST & 145TH ST.	BET. 134TH ST & 145TH ST	MANHATTAN	10031
9307684	HUDSON RIVER	HUDSON RIVER	MANHATTAN	UNKNOWN
9307242	BRIDGE TO B'WAY.EXPRESSWA	BRIDGE TO B'WAY.EXPRESSWA	MANHATTAN	UNKNOWN

9306911	HUDSON RIVER	HUDSON RIVER	MANHATTAN	UNKNOWN
9306618	35-145TH STREET	135-145TH STREET	MANHATTAN	UNKNOWN
9304009	WIB0055 OUTFALL	WIB0055 OUTFALL	MANHATTAN	UNKNOWN
9304008	HUDSON RIVER E.WIB 053 OU	HUDSON RIVER E.WIB 053 OU	MANHATTAN	UNKNOWN
9303117	WEST MORRISON & MORRISON	WEST MORRISON & MORRISON	MANHATTAN	UNKNOWN
9209836	HENRY HUDSON PKWY.	HENRY HUDSON PKWY.	MANHATTAN	UNKNOWN
9006769	RESTAURANT/UNK ADDRESS	UNKNOWN	MANHATTAN	UNKNOWN
8504758	MANHATTAN	MANHATTAN	MANHATTAN	UNKNOWN
8503796	MANHATTAN	MANHATTAN	MANHATTAN	UNKNOWN
8503779	MANHATTAN	MANHATTAN	MANHATTAN	UNKNOWN
8503506	MANHATTAN	MANHATTAN	MANHATTAN	UNKNOWN
8503421	MANHATTAN	MANHATTAN, EAST RIVER	MANHATTAN	WHR10
8503366	MANHATTAN, NYC	MANHATTAN, HUDSON RIVER	MANHATTAN	WHR10
8503301	MANHATTAN	MANHATTAN	MANHATTAN	UNKNOWN
8503107	MANHATTAN	MANHATTAN	MANHATTAN	UNKNOWN
1101432	ROADWAY	CANAL AND FRONT STREET	MANHATTAN	UNKNOWN
1012387	A LINE SUBWAY STATION	BROADWAY SUBWAY STATION	MANHATTAN	UNKNOWN
1009165	222015; ADAM	ADAM	MANHATTAN	UNKNOWN
1009163	222000; ADAM	ADAM	MANHATTAN	UNKNOWN
1009149	221851; W ST	W ST	MANHATTAN	UNKNOWN
1009081	221371; FRED DOUGLASS B	FRED DOUGLASS B	MANHATTAN	UNKNOWN
1009030	220841; MARGINAL ST	MARGINAL ST	MANHATTAN	UNKNOWN
1008985	220219; MARGINAL ST	MARGINAL ST	MANHATTAN	UNKNOWN
1008963	220049; W 127 ST	W 127 ST	MANHATTAN	10027
1004493	NYCDEP SEWAGE SPILL	HARLEM RIVER DRIVE / AMSTERDAM AVE	MANHATTAN	UNKNOWN
0914575	218964; BROADWAY	BROADWAY	MANHATTAN	UNKNOWN
0910600	MANHOLE # 5107	NORTH SIDE OF EAST NEW YORK AVE	MANHATTAN	UNKNOWN
0801577	MH 21502 IS TIDAL. HAS HALF PINT.	327 EAST 132 STREET	MANHATTAN	UNKNOWN
0609717	BLDG	123RD ST	MANHATTAN	UNKNOWN
0512484	HUDSON RIVER	WEST 130-196TH ST	MANHATTAN	UNKNOWN
0500598	NEW YORK HARBOR	NEW HARBOR	MANHATTAN	UNKNOWN
0403144	NEW YORK HARBOR ANCHORAGE	NEW YORK HARBOR	MANHATTAN	UNKNOWN
0402835	UNKNOWN CON ED STRUCTURE	NORTHEAST CORNER AND EAST	MANHATTAN	UNKNOWN
0312667	MANHOLE #28166	BROADWAY ST NE CORNER	MANHATTAN	UNKNOWN
0311532	SPILL NUMBER 0311532	UNKNOWN	MANHATTAN	UNKNOWN
0310936	VAULT 1460	ST NICHOLAS	MANHATTAN	UNKNOWN
0310896	NEW YORK HARBOR	NEW YORK HARBOR	MANHATTAN	UNKNOWN
0305228	SEWAGE TREATMENT PLANT	145TH ST & RIVERSIDE DR	MANHATTAN	10031
0301650	CONSTRUCTION SITE	NW CORNER OF 125TH STREET	MANHATTAN	UNKNOWN
0211245	APARTMENT BUILDING	204 121ST ST	MANHATTAN	UNKNOWN
0209669	SPILL NUMBER 0209669	EXTERIOR AV/BROADWAY	MANHATTAN	UNKNOWN
0007492	SPILL NUMBER 0007492	WEST 10TH ST/MANAHHTAN AV	MANHATTAN	UNKNOWN
1105389	EAST 13TH ST & ASTORIA ANNEX SUBSTATIONS	BETWEEN 2 STATIONS	MANHATTAN/QUEENS	UNKNOWN
1006338	RAW SEWAGE	UNKNOWN	MANHATTEN	UNKNOWN
9905530	VARIOUS LOCAIONS	CITY AND WESTCHESTER	NEW YORK	UNKNOWN
9808577	SPILL NUMBER 9808577	1500 HARVARD BLVD	NEW YORK	UNKNOWN
9307145	G. WASHINGTON BRDG &	LINCOLN TUNNEL & WASH. BR	NEW YORK	UNKNOWN
8907255	HERTZ RENT A CAR/MANH		NEW YORK	UNKNOWN
8604519	NEW YORK	NEW YORK	NEW YORK	UNKNOWN
8504836	WATER FRONT MANHATTAN	WATER FRONT MANHATTAN	NEW YORK	UNKNOWN
1308812	DRILL BLD 90	DRILL	NEW YORK	UNKNOWN
0804920	IN A SANIATATION TRUCK	86TH & 164TH STREET	NEW YORK	UNKNOWN
0801987	PORT OF ELIZABETH	APM TERMINAL -BERTH AV8	NEW YORK	UNKNOWN
0605148	CENTRAL PARK POLICE	86TH STREET CAUSEWAY	NEW YORK	UNKNOWN
0406845	SPILL NUMBER 0406845	BAYWAY TERMINAL-LINDEN NJ	NEW YORK	UNKNOWN
0210329	OSTANKINO	NEW YORK	NEW YORK	UNKNOWN
0210315	PEARLMAR	NEW YORK	NEW YORK	UNKNOWN
0110864	ON MARIA KNUTSEN VESSEL	KINDER MORGAN DOCK 4	NEW YORK	UNKNOWN
9403600	HUDSON RIVER	HUDSON RIVER	NEW YORK CITY	UNKNOWN
9100193	135 & 145TH ST/MANH	135 & 145TH STREETS	NEW YORK CITY	UNKNOWN

9003659	HUDSON RIVER/HARLEM RIVER	HUDSON RIVER/HARLEM RIVER	NEW YORK CITY	UNKNOWN
9002947	HUDSON & HARLEM RIVER/BX	HUDSON & HARLEM RIVER	NEW YORK CITY	UNKNOWN
8807335	HUDSON RIVER/PIER 2632	HUDSON RIVER/PIER 2632	NEW YORK CITY	UNKNOWN
8606984	UNKNOWN ADDRESS !	UNKNOWN	NEW YORK CITY	UNKNOWN
0402552	SPILL NUMBER 0402552	BROADWAY	NEW YORK CITY	UNKNOWN
9207036	BUOYS 22 & 24	BUOYS 22 & 24	NY	UNKNOWN
9112696	BARGE	BARGE	NYC	UNKNOWN
9108540	W 138TH ST	W 138TH ST	NYC	UNKNOWN
9500539	DISCHARGE CANAL	BROADWAY	PLEASANTVILLE	UNKNOWN
9710928	HUDSON RIVER	UNK	QUEENS	UNKNOWN
8607173	UNK	UNKNOWN	UNKNOWN	UNKNOWN
9302505	WESTSIDE HOBOKEN N.J.	HUDSON RIVER -HOBOKEN N.J	WESTSIDE HWY	UNKNOWN

Hazardous Spills - MISC. SPILL CAUSES - Closed

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
0500536	VAULT 1236	218 FLOORWAY AND 8TH AVE		UNKNOWN
9212061	448 RIVERSIDE DRIVE	448 RIVERSIDE DRIVE	BRONX	UNKNOWN
1010037	DRILL	DRILL	DRILL	UNKNOWN
1006174	SEWAGE DRAIN	BETWEEN 125TH AND 124TH AVE	MAHATTAN	UNKNOWN
9907952	VAULT #6061	WEST SIDE OF 8TH AVE	MANHATTAN	UNKNOWN
9907607	CANAL	SANITATION	MANHATTAN	UNKNOWN
9804785	APT 4J-	10 BAY STREET LANDING	MANHATTAN	UNKNOWN
9714182	125TH STREET TO	62 ND STREET	MANHATTAN	UNKNOWN
9713418	UNKNOWN	UNKNOWN	MANHATTAN	UNKNOWN
9515802	EDGECOMG AVENUE	EDGECOMB AVENUE	MANHATTAN	UNKNOWN
9506730	TANGO PIER	TANGO PIER	MANHATTAN	UNKNOWN
9414330	5 MORGAN CT	5 MORGAN CT	MANHATTAN	UNKNOWN
9410330	115 LAKE ROAD	115 LAKE ROAD	MANHATTAN	UNKNOWN
9402295	LOWER LEVEL EB #12	LOWER LEVER EB #12	MANHATTAN	UNKNOWN
9312697	HUDSON RIVER	HUDSON RIVER	MANHATTAN	UNKNOWN
9312441	35 GROSS STREET	35 GROSS STREET	MANHATTAN	UNKNOWN
9310279	WESTSIDE HWY.	WESTSIDE HIGHWAY	MANHATTAN	UNKNOWN
9305525	138TH ST 145TH STREET	138TH ST 145TH STREET	MANHATTAN	10031
9304809	PLANDOMD ROAD ?	PLANDOMD ROAD?	MANHATTAN	UNKNOWN
9300535	138TH ST	138TH ST	MANHATTAN	UNKNOWN
9300493	W 123RD ST	W 123RD ST	MANHATTAN	10027
9212593	119 ZECNILYEA AVE	119 ZECNILYEA AVE	MANHATTAN	UNKNOWN
8606244	NORTH RIVER	NORTH RIVER	MANHATTAN	10031
1304033	HARLEM RIVER	LINCOLN AVE	MANHATTAN	UNKNOWN
1214313	40.38.53 N 74.02.54 W	HUDSON RIVER	MANHATTAN	UNKNOWN
1208489	LOWER MANHATTAN	ALL STREETS IN LOWER MANHAT	MANHATTAN	UNKNOWN
1206721	ROADWAY	PIER 33 / HELLGATE BRIDGE	MANHATTAN	UNKNOWN
1112451	CON EDISON M 52 FEEDER DISCREPANCY	637 129TH STREET	MANHATTAN	UNKNOWN
1010077	# 7 SUBWAY LINE	STEINWAY TUBE C1 C2	MANHATTAN	UNKNOWN
1009158	221966; W 131 ST	W 131 ST	MANHATTAN	UNKNOWN
1003128	EASTSIDE	142ND STREET	MANHATTAN	UNKNOWN
0709465	NEW YORK HARBOR	UNKNOWN STREET ADDRESS	MANHATTAN	UNKNOWN
0707764	XFMR IN V-5533 HAS LEAK AT BOTTOM	2986 BROADWAY AT 118 STREET	MANHATTAN	10027
0500954	FRONT OF	25 GRANITE STREET	MANHATTAN	UNKNOWN
0401661	MANHATTAN GRID CHAMBER	MAHATTAN GRID	MANHATTAN	UNKNOWN
0401520	MANHATTAN GRID CHAMBER	MANHATTAN GRID CHAMBER	MANHATTAN	UNKNOWN
0310161	W132 ST SUBSTATION	WEST 132ND STREET	MANHATTAN	10027
0307439	HUDSON RIVER	HUDSON RIVER WAY	MANHATTAN	UNKNOWN
0212482	NORTH RIVER REGULATOR 21	NORTH RIVER REGULATOR 21	MANHATTAN	UNKNOWN
0109602	WESTSIDE PLAZA	NO ADDRESS(WESTSIDE PLAZA	MANHATTAN	UNKNOWN
0100974	FEEDER M51	WEST 49TH ST-SPRAINBROOK	MANHATTAN	UNKNOWN
0013621	PIER 45	NORTH RIVER	MANHATTAN	UNKNOWN
0012765	BETWEEN W49TH SUBSTATION	& SPRAINBROOK SUBSTATION	MANHATTAN	UNKNOWN
0012534	SPILL NUMBER 0012534	10TH AV & BROADWAY	MANHATTAN	UNKNOWN
1307669	PRIVATE DWELLING	WEST 121ST ST	MANHATTEN	10027

0708382	AMTRACK	TUNNEL #3 BETWEEN MADISON	MANHATTEN	UNKNOWN
0801763	ROADWAY	125TH STREET	MANHATTON	UNKNOWN
9900825	COLUMBIA UNIVERSITY	530 WEST 120TH STREET	NEW YORK	10027
9814801	COLUMBIA UNIVERSITY	530 WEST 120TH STREET	NEW YORK	10027
9814799	COLUMBIA UNIVERSITY	530 WEST 120TH ST	NEW YORK	10027
9808341	COLUMBIA UNIVERSITY	530 WEST 120TH STREET	NEW YORK	10027
9611244	BTWN EAST 13TH TO WEST 49TH SS	WEST 49TH ST	NEW YORK	UNKNOWN
8808837	COLUMBIA UNIVERSITY	530 WEST 120TH STREET	NEW YORK	10027
8803191	COLUMBIA UNIVERSITY	530 WEST 120TH STREET	NEW YORK	10027
8800236	COLUMBIA UNIVERSITY	530 WEST 120TH STREET	NEW YORK	10027
8710769	COLUMBIA UNIVERISTY	530 WEST 120TH STREET	NEW YORK	10027
8603393	137TH ST & W SIDE DR	137TH ST & W SIDE DR	NEW YORK	10031
1214588	OUTSIDE	1210 AMSTERDAM AVE	NEW YORK	10027
1204511	3 STORY BUILDING	1183 BAY STREET	NEW YORK	UNKNOWN
1108305	RELAY ROOM FOR NYC TRANSIT	SOUTH ST AND ADMIRAL GEORGE DEWEY	NEW YORK	UNKNOWN
1101338	COMMERCIAL BLD	150 BARRACK ST	NEW YORK	UNKNOWN
1010611	PRINCESS K OVERFILL	LAT 40/37.9 LONG 74/ 3.7	NEW YORK	UNKNOWN
0814274	212413; 167 121 ST	167 121 ST	NEW YORK	UNKNOWN
0810612	LAT 40-3942.8 SEC NORTH LONG-74.343SW	PORT JERSEY CHANNEL	NEW YORK	UNKNOWN
0808382	13 TH MANHATTEN CHAMBER	13 TH MANHATTEN CHAMBER	NEW YORK	UNKNOWN
0803459	STREET	160TH ST/ 5TH AVE	NEW YORK	UNKNOWN
0608287	VS#9086	538 WEST 120 STREET	NEW YORK	10027
0409938	NEW YORK IM TTDOCK A	NEW YORK IM TT DOCK	NEW YORK	UNKNOWN
0210014	COLUMBIA UNIVERSITY	530 WEST 120TH STREET	NEW YORK	10027
0011510	COLUMBIA UNIVERSITY	500 W 120TH ST	NEW YORK	10027
9606764	FEEDER #71	DUNWOODIE TO RAINEY	NEW YORK CITY	UNKNOWN
9011921	FDR&LAUREL HILL/181ST ST	FDR&LAUREL HILL TERRACE	NEW YORK CITY	UNKNOWN
9004112	BARGE E-15/HUDSON RIVER	BARGE E-15/HUDSON RIVER	NEW YORK CITY	UNKNOWN
8605456	COLUMBIA UNIVERSITY	530 WEST 120TH STREET	NEW YORK CITY	10027
8709919	REGULATOR N-10	I.N.D. SUBWAY YORK	NORTH RIVER	10031
8701984	W.138TH ST. & W.145TH ST.	W.138TH ST./W.145TH ST.	NORTH RIVER PLANT	10031
0402464	IN FLIGHT	AIR	NY	UNKNOWN
0901080	ROADSIDE	30 NEWPORT WALK	NYC	UNKNOWN
9705377	HUDSON TANK TERMINAL	UNKNOWN	STATEN ISLAND	UNKNOWN
9609013	HUDSON RIVER	NAVY PIER	STATEN ISLAND	UNKNOWN
1209588	TORM REPUBLICAN (NAME OF VESSEL)	ENR NY ANCHORAGE HARBOR	STATEN ISLAND	UNKNOWN
9501840	UNKNOWN LOCATION	UNKNOWN LOCATION	WESTCHESTER	UNKNOWN

Petroleum Bulk Storage Facilities

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
2-055514	THE CITY COLLEGE	CONVENT AVE / W 140TH ST (139TH)	NEW YORK	UNKNOWN
2-474916	MANHATTANVILLE HOUSES	1430 AMSTERDAM AVENUE	NEW YORK	10027
2-601456	CITY COLLEGE OF NEW YORK	160 CONVENT AVENUE	NEW YORK	UNKNOWN
2-607936	CITY UNIVERSITY OF NEW YORK	89 CONVENT AVE	NEW YORK	UNKNOWN
2-611542	1461 AMSTERDAM AVE LLC	146A AMSTERDAM AVE	NEW YORK	UNKNOWN
NY07443	NYC FIRE		NEW YORK	UNKNOWN
2-157856	MOBIL S/S 1 JBWBT ARDOR GARAGE	MOBIL S/S 1 (JBWBT ARDOR GARAGE)	NY	UNKNOWN

Hazardous Waste Generation or Transport Facilities

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
NYN20002A347				UNKNOWN
NYP004020145	CONSOLIDATED EDISON CO	V5391 AMSTERDAM		UNKNOWN
NYP004171195	CONSOLIDATED EDISON	MARTIN LUTHER KING WASHINGTON HEIGHTS	MANHATTAN	UNKNOWN
NYP004181152	CONED	MH SV-13	MANHATTAN	UNKNOWN
NYP004181913	CONED	W 127TH ST	MANHATTAN	10027
NYP004407967	CONSOLIDATED EDISON	ILLEGIBLE	MANHATTAN	UNKNOWN
NY0000010363	NYCDOT	N/S	N/S	UNKNOWN
NYP004077467	CONSOLIDATED EDISON	MH37962-SAINT JOHN	N/S	UNKNOWN
NY0005000575	JOHN DOE	DELETE	NEW YORK	UNKNOWN
NYD000100073	NYCDOT MANHATTN BRIDGE	OVER EAST RIVER	NEW YORK	10000

NYD004064622	CONSOLIDATED EDISON	N/S	NEW YORK	UNKNOWN
NYD981887194	METRO-NORTH RAILROAD	FORMER DISTRIBUTION CENTER	NEW YORK	UNKNOWN
NYP000007732	NYCTA	N/S	NEW YORK	UNKNOWN
NYP000915488	CON EDISION - WTC AREA	VARIOUS WTC LOCATIONS VARIOUS	NEW YORK	UNKNOWN
NYP000918558	NYCTA	N/S	NEW YORK	UNKNOWN
NYP000945428	BELL ATLANTIC-NY	SW CORNER AMSTERDAM AVE & W	NEW YORK	UNKNOWN
NYP004005676	CON ED - 125 ST & BWAY	125 ST & BWAY	NEW YORK	10027
NYP004020566	CONSOLIDATED EDISON	V5715-READERS DIGEST	NEW YORK	UNKNOWN
NYP004033411	CONSOLIDATED EDISON	V0155	NEW YORK	UNKNOWN
NYP004037867	CONSOLIDATED EDISON	V2801-W 395TH ST	NEW YORK	UNKNOWN
NYP004039633	CONSOLIDATED EDISON	VS0618-N/S	NEW YORK	UNKNOWN
NYP004048708	CONSOLIDATED EDISON	614145 M E	NEW YORK	UNKNOWN
NYP004050092	CONSOLIDATED EDISON	V5105-F/O 101 WHO ST	NEW YORK	UNKNOWN
NYP004056701	CONSOLIDATED EDISON	N/S	NEW YORK	UNKNOWN
NYP004063392	CONSOLIDATED EDISON	496 GLEN AVE	NEW YORK	UNKNOWN
NYP004066676	CONSOLIDATED EDISON	MH61062	NEW YORK	UNKNOWN
NYP004068078	CONSOLIDATED EDISON	TM3481	NEW YORK	UNKNOWN
NYP004070488	CONSOLIDATED EDISON	MH24669-AMSTERDAM AVE	NEW YORK	UNKNOWN
NYP004072153	CONSOLIDATED EDISON	MH73305	NEW YORK	UNKNOWN
NYP004072385	CONSOLIDATED EDISON	209 FLORENCE AVE	NEW YORK	UNKNOWN
NYP004076295	CONSOLIDATED EDISON	MH27243-BROWN	NEW YORK	UNKNOWN
NYP004083804	CONSOLIDATED EDISON	BER BOX 54269	NEW YORK	UNKNOWN
NYP004110201	CONSOLIDATED EDISON	V3480 / 92-104 CODA ST	NEW YORK	UNKNOWN
NYP004143616	CONSOLIDATED EDISON	145TH ST A& AVE A	NEW YORK	UNKNOWN
NYP004144119	CONSOLIDATED EDISON	MH11077	NEW YORK	UNKNOWN
NYP004144190	CONSOLIDATED EDISON	413TH ST & 220TH ST	NEW YORK	UNKNOWN
NYP004146122	CONSOLIDATED EDISON	MANSION & MCKINLEY DUNWOODIE	NEW YORK	UNKNOWN
NYP004173522	CONSOLIDATED EDISON	1000 FAIRWAY LANE	NEW YORK	UNKNOWN
NYP004174140	CONSOLIDATED EDISON	WASHINGTON HEIGHTS	NEW YORK	UNKNOWN
NYP004178281	CONSOLIDATED EDISON	F/O 680 WEST 93 ST	NEW YORK	UNKNOWN
NYP004178562	CONSOLIDATED EDISON	S/E CORNER W 131ST ST	NEW YORK	UNKNOWN
NYP004179271	CONED	75 E BLD 1	NEW YORK	UNKNOWN
NYP004179297	CONSOLIDATED EDISON	F/O 281 E DROMBE AVE	NEW YORK	UNKNOWN
NYP004181848	CONED	2020 E 128TH ST	NEW YORK	UNKNOWN
NYP004181905	CONED	W 129TH ST	NEW YORK	10027
NYP004187225	CONSOLIDATED EDISON	FRONT OF WEST 127 STREET	NEW YORK	10027
NYP004189023	CONSOLIDATED EDISON	F/O 1731 EAST AVE.	NEW YORK	UNKNOWN
NYP004189072	CONSOLIDATED EDISON	CONVENT AVE SOUTH WEST CORNER	NEW YORK	UNKNOWN
NYP004217703	CONSOLIDATED EDISON	MH2721 - CEDAR & PALMER	NEW YORK	UNKNOWN
NYP004224846	CONED -	NO ADDRESS INFO ON MANIFEST	NEW YORK	UNKNOWN
NYP004226710	CONED	FLO 55	NEW YORK	UNKNOWN
NYP004226751	CONED	FLO 49	NEW YORK	UNKNOWN
NYP004226769	CONED	FLO 61	NEW YORK	UNKNOWN
NYP004240123	CONED	MANHOLE 1794	NEW YORK	UNKNOWN
NYP004243549	CONED	AMSTERDAM AVE	NEW YORK	UNKNOWN
NYP004245866	CONED	GAS DRIP 501	NEW YORK	UNKNOWN
NYP004252003	CONED	35 W 1231ST STREET	NEW YORK	UNKNOWN
NYP004703834	CONSOLIDATED EDISON	MH26764	NEW YORK	UNKNOWN
NYP010001956	NYCDEP	AMSTERDAM AVENUE	NEW YORK	UNKNOWN
NYR000034058	NYCTA	CONTRACT #S-34505 - RM 819	NEW YORK	UNKNOWN
NYR000050625	NYCTA	606W FROST	NYC	UNKNOWN

Hazardous Substance Waste Sites

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
NY0081	ROUTE 9A - MANHATTAN	WEST SIDE HIGHWAY	NEW YORK CITY	UNKNOWN

Wastewater Discharges

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
NY0200794				UNKNOWN
NYU200032	CONSOLIDATED EDISON COMPANY			UNKNOWN

Air Releases

FACILITY ID	FACILITY NAME		STREET	CITY	ZIP
3606100080	NYCHA-FOSTER HOUSING		NO STREET ADDRESS	NEW YORK	UNKNOWN
3606100086	NYSDA-CITY COLLEGE		138 STR @ CONVENT AVE	NEW YORK	UNKNOWN
3606100129	NAVY DIST COMMANDER		NO STREET ADDRESS	NEW YORK	UNKNOWN
3606100132	NAVAL RECRUIT STA		NO STREET ADDRESS	NEW YORK	UNKNOWN
3606100439	NYC DEPT OF ENV PROT		127 ST & EAST RIVER	NEW YORK	UNKNOWN
3606100495	FEILER BROS CORP		ROOM 1700	NEW YORK	UNKNOWN
3606100552	ACADEMY CONSTRUCTION		NO STREET ADDRESS	NEW YORK	UNKNOWN
3606160011	NYC DEPT OF ENVIRONMENT PROTEC		127TH ST & EAST RIVER	NEW YORK	UNKNOWN
3606180051	FEILER BROS CORP		ROOM 1700	NEW YORK	UNKNOWN
3606100558	SOS INTERNATIONAL		BOX 2976 CHURCH STAT	NEW YORK CITY	UNKNOWN
NY061X0NP	MIDTOWN HOLDING CO	NEW YORK	NO STREET ADDRESS	NO CITY NAME	UNKNOWN
NY061X2DR	UNIHAB CO	NEW YORK	NO STREET ADDRESS	NO CITY NAME	UNKNOWN

Hazardous waste codes presented in individual Toxic Information Profiles are defined below.

B002 Petroleum oil or other liquid containing 50 ppm or greater of PCBs but less than 500 ppm PCBs. This includes oil from electrical equipment whose PCB concentration is unknown, except for circuit breakers, reclosers and cable.

B003 Petroleum oil or other liquid containing 500 ppm or greater of PCBs.

B007 Other PCB Wastes including contaminated soil, solids, sludges, clothing, rags, and dredge material.

D001 Solid waste that exhibits the characteristic of ignitability, but is not listed under any other hazardous waste code.

D002 Solid waste that exhibits the characteristic of corrosivity, but is not listed under any other hazardous waste code.

D006 Cadmium

D008 Lead

D009 Mercury

F002 The following spent halogenated solvents: Tetrachloroethylene, methylene chloride, trichloroethylene, 1,1,1−trichloroethane, chlorobenzene, 1,1,2−trichloro−1,2,2−trifluoroethane, ortho−dichlorobenzene, trichlorofluoromethane, and 1,1,2−trichloroethane; all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the above halogenated solvents or those listed in F001, F004, or F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures. (T)

F005 The following spent non−halogenated solvents: Toluene, methyl ethyl ketone, carbon disulfide, isobutanol, pyridine, benzene, 2−ethoxyethanol, and 2−nitropropane; all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the above non−halogenated solvents or those solvents listed in F001, F002, or F004; and still bottoms from the recovery of these spent solvents and spent solvent mixtures. (I,T)

U114 Ethylenebisdithiocarbamic acid, salts & esters

X726

Source: U. S. Environmental Protection Agency

How Toxic Site Locations Are Mapped

Toxics Targeting maps toxic site locations on a digital version of the U. S. Census map or those used by local authorities using addresses and map coordinates provided by site owners/operators or government agencies. In order to allow site locations to be verified independently, the information used to map each site is presented in the first section of each Toxic Site Profile, along with a description of the mapping technique used and any address corrections that were made in order to locate toxic sites with incomplete or inadequate site location information. The mapping process is explained below.

Map Identification Number: 12 Site Name: Acme World Manufacturing, Inc.

Site Address: 55 Main Street Anytown, NY 11797

MAP LOCATION INFORMATION

Site location mapped by:

Address Matching

1) Most toxic sites are mapped by matching addresses provided by site owners/operators or government agencies with locations on a digital version of the street or parcel map. These site locations are identified with the method used to map them.

Note: Some sites have an address match location and a map coordinate location. Both locations are mapped because they can be equally correct.

or Map Coordinate

2) Some toxic sites are located using map coordinates provided by site owners/ operators or government agencies. These site locations are identified "map coordinate." Map coordinates for Toxic Wastewater Discharges, Toxic Release Inventory sites and Major Oil Storage Facilities should be considered suspect.

or Manual Mapping

or Site Visit

3) Incomplete addresses or map coordinates require some site locations to be determined by commercial street maps (manual mapping), site visits, map coordinates from other databases and address location services. Application of any of these methods is identified accordingly.

ADDRESS CHANGE INFORMATION

Revised Street: NO CHANGE

Revised zip code: NO CHANGE

4) Site addresses are sometimes corrected to eliminate obvious errors that prevent sites from being mapped. All address corrections are noted here.

Information Source Guide

Toxics Targeting's Environmental Reports contain government and other information compiled on 21 categories of reported known or potential toxic sites. Each toxic site database is described below with information detailing a) the source of the information, b) the date when each database is covered to and c) when *Toxics Targeting* obtained the information..

1) **National Priority List for Federal Superfund Cleanup:** Toxic sites nominated for cleanup under the Federal Superfund program. Annual compilation of special two-page detailed profiles of NPL sites. Also includes delisted NPL sites.
ASTM required.* Fannie Mae required.** Source: U. S. Environmental Protection Agency.[1]
Data attributes updated from: 4/17/2014. Data obtained by Toxics Targeting: 4/17/2014.
New Facilities updated through: 4/17/2014. Data obtained by Toxics Targeting: 4/17/2014.

2) **Inactive Hazardous Waste Disposal Site Registry:** New York State database that maintains information and aids decision making regarding the investigation and cleanup of toxic sites. The Registry's data includes two-page profiles noting site name, ID number, description, classification, cleanup status, types of cleanup, owner information, types and quantities of contaminants, and assessment of health and environmental problems. Also included are sites that qualify for possible inclusion on the Registry. These Registry Qualifying sites may or may not be on the Site Registry.
ASTM required.* Fannie Mae required.** Source: New York State Department of Environmental Conservation.[2]
Data attributes updated through: 3/28/2014. Data obtained by Toxics Targeting: 3/28/2014.
New Facilities updated to: 3/28/2014. Data obtained by Toxics Targeting: 3/28/2014.

3) **Corrective Action Activity (CORRACTS):** U. S. Environmental Protection Agency database of hazardous facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA).
ASTM required.* Fannie Mae required.** Source: U. S. Environmental Protection Agency[1]
Data attributes updated through: 3/11/2014. Data obtained by Toxics Targeting: 3/20/2014.
New facilities updated through: 3/11/2014. Data obtained by Toxics Targeting: 3/20/2014.

4) **CERCLIS:** Toxic sites listed in the Federal Comprehensive Environmental Response, Compensation and Liability Information System. Includes Active and No Further Remedial Action Planned (NFRAP) sites.
ASTM required.* Fannie Mae required.** Source: U. S. Environmental Protection Agency.[1]
Data attributes updated through: 10/25/2013. Data obtained by Toxics Targeting: 1/7/2014.
New Facilities updated through: 10/25/2013. Data obtained by Toxics Targeting: 1/7/2014.

5) **Brownfield Programs:** NYS programs for sites that are abandoned, idled or under-used industrial and/or commercial sites where expansion or redevelopment is complicated by real or perceived environmental contamination.
ASTM required.* Source: New York State Department of Environmental Conservation.[2]
Data attributes updated through: 3/28/2014. Data obtained by Toxics Targeting: 3/28/2014.
New Facilities updated to: 3/28/2014. Data obtained by Toxics Targeting: 3/28/2014.

(a) **Brownfield Cleanup Program (BCP)**
(b) **Voluntary Cleanup Program (VCP)**
(c) **Environmental Restoration Program (ERP)**

6) **Solid Waste Facilities:** a compilation of the following 2 databases:

(a) **NYS Solid Waste Registry:** which includes, but is not limited to, landfills, incinerators, transfer stations, recycling centers.
ASTM required.* Fannie Mae required.** Source: New York State Dept. of Environmental Conservation.[2]
Data updated to: 4/1/2013. Data obtained by Toxics Targeting: 4/1/2013.

(b) **1934 Solid Waste Disposal Site in New York City:** which includes sites operated by municipal authorities circa 1934. Source: City of New York Department of Sanitation (1984). The Waste Disposal Problem in New York City: A Proposal For Action.

7) **RCRA Hazardous Waste Treatment, Storage or Disposal Facility Databases:**

(a) **Manifest Information:** New York State database of hazardous waste facilities and shipments regulated by the DEC's Division of Environmental Remediation pursuant to NYS Law and the Resource Conservation and Recovery Act (RCRA).
ASTM required.* Fannie Mae required.** Source: New York State Department of Environmental Conservation.[2]

New facilities updated through: 2/25/2014. New facilities obtained by Toxics Targeting: 3/20/2014.
Manifest transactions data updated to: 2/25/2014. Manifest transactions data obtained by Toxics Targeting: 3/20/2014.

(b) **RCRA Notifier & Violations Information:** U. S. Environmental Protection Agency database of hazardous facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA).
ASTM required.* Fannie Mae required.** Source: U. S. Environmental Protection Agency[1]
New facilities updated through: 3/11/2014. Data obtained by Toxics Targeting: 3/20/2014.
Data attributes updated through: 3/11/2014. Data obtained by Toxics Targeting: 3/20/2014.

8) **Spills Information Database:** Spills reported to the DEC as required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from Petroleum Bulk Storage Regulations) or 6 NYCRR Section 595.2 (from Chemical Bulk Storage Regulations). This database includes both *active* and *closed* spills.
ASTM required.* Fannie Mae.** Source: NYS Department of Environmental Conservation.[2]

New spills through: 4/25/2014 New spills data obtained by Toxics Targeting: 4/25/2014
Spill attribute data through: 4/25/2014 Spill attribute data obtained by Toxics Targeting: 4/25/2014

Active spills: paperwork not completed. Closed spills: paperwork completed.
Both active and closed spills may or may not have been cleaned up (see Date Cleanup Ceased in spill profiles).

9) **Major Oil Storage Facilities:** NYS database of facilities licensed pursuant to Article 12 of the Navigation Law, 6NYCRR Parts 610 and 17NYCRR Part 30, such as onshore facilities or vessels, with petroleum storage capacities equal to or greater than four hundred thousand gallons. **Tank & other data withheld by NYSDEC as of 4/1/2002**.
ASTM required.* Fannie Mae required.** Source: New York State Department of Environmental Conservation.[2]

Data updated through: 4/24/2014. Data obtained by Toxics Targeting: 4/24/2014.

10) **Petroleum Bulk Storage Facilities:** a compilation of local and state databases of aboveground and underground petroleum storage tank facilities.

(a) **NYS Petroleum Bulk Storage Database:** This includes all New York State counties except Cortland, Nassau, Rockland, Suffolk, and Westchester. ASTM required.* Fannie Mae required.**
Source: NYS Department of Environmental Conservation.[2]
New facilities updated through: 4/24/2014. Data obtained by Toxics Targeting: 4/24/2014.
Tank data updated through: 4/24/2014. Data obtained by Toxics Targeting: 4/24/2014.

(b) **New York City Fire Department Tank Data:** **Data has been withheld by the NYC Fire Dept.**
Source: New York City Fire Department. Data obtained by Toxics Targeting: 2/18/1997

11) **RCRA Hazardous Waste Generators and/or Transporters Databases:**

(a) **Manifest Information:** New York State database of hazardous waste facilities and shipments regulated by the NYS Department of Environmental Conservation's Division of Environmental Remediation pursuant to New York State Law. ASTM required.* Fannie Mae required.** Source: New York State Department of Environmental Conservation.[2]

New facilities updated through: 2/25/2014. New facilities obtained by Toxics Targeting: 3/20/2014.
Manifest transactions data updated to: 2/25/2014. Manifest transactions data obtained by Toxics Targeting: 3/20/2014.

(b) **RCRA Notifier & Violations Information:** U. S. Environmental Protection Agency database of hazardous facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA).
ASTM required.* Fannie Mae required.** Source: U. S. Environmental Protection Agency[1]

New facilities updated through: 3/11/2014. Data obtained by Toxics Targeting: 3/20/2014.
Data attributes updated through: 3/11/2014. Data obtained by Toxics Targeting: 3/20/2014.

12) **Chemical Bulk Storage Facilities:** New York State database of facilities compiled pursuant to 6NYCRR Part 596 that store regulated substances listed in 6NYCRR Part 597 in aboveground tanks with capacities greater than 185 gallons and /or in underground tanks of any size. **Tank & other data withheld by NYSDEC as of 4/1/2002**.
ASTM required.* Fannie Mae required.** Source: New York State Department of Environmental Conservation.[2]
Data updated through: 4/24/2014. Data obtained by Toxics Targeting: 4/24/2014.

13) **Historic New York City Utility Facilities (1898 to 1950):** An inventory of selected power generating stations, manufactured gas plants, gas storage facilities, maintenance yards and other gas and electric utility sites identified in various historic documents, maps and annual reports of New York utility companies, including: Sanborn Fire Insurance Maps of NYC (1898-1950); Consolidated Edison Co. Annual Reports (1922-1939); Consolidated Edison Co. Map: "Boroughs of Manhattan and the Bronx Showing Distribution Mains of the New York Edison Co.," (1922); and Consolidated Edison document: "Generating and Annex Stations," (1911).

14) **Hazardous Substance Waste Disposal Site Study:** NYS database of waste disposal sites that may pose threats to public health or the environment, but could not be remediated using monies from the Hazardous Waste Remedial Fund.
Source: New York State Department of Environmental Conservation.[2]
Data updated to: 5/16/2000. Data obtained by Toxics Targeting: 5/16/2000.

15) **Toxic Release Inventory (TRI):** Federal database of manufacturing facilities required under Section 313 of the Federal Emergency Planning and Community Right-to-Know Act to report releases to the air, water and land of any specifically listed toxic chemical. See Fannie Mae requirement** below.
Source: U. S. Environmental Protection Agency.[1] / NYS Department of Environmental Conservation[2]
Data updated through: 3/8/2004. Data obtained by Toxics Targeting: 3/25/2004

16) **Toxic Wastewater Discharges (Permit Compliance System):** Federal database of discharges of wastewater to surface waters and groundwaters. See Fannie Mae requirement** below. Source: U. S. Environmental Protection Agency.[1]
Data updated through: 6/17/2004. Data obtained by Toxics Targeting: 7/19/2004.

17) **Air Discharge Facilities:** EPA AIRS database containing address information on each air emission facility and the type of air pollutant emission it is. Compliance information is also provided on each pollutant as well as the facility itself.
See Fannie Mae requirement** below. Source: U. S. Environmental Protection Agency[1]
Data updated through: 11/24/1999. Data obtained by Toxics Targeting: 1/6/2000

18) **Civil Enforcement & Administrative Docket:** This database is the U. S. EPA's system for tracking administrative and civil judiciary cases filed on behalf of the agency by the Department of Justice. Fannie Mae required.**
Source: U. S. Environmental Protection Agency.[1]
New Sites through: 10/14/1999.
Data updated through: 10/14/1999. Data obtained by Toxics Targeting: 11/18/1999.

19) **New York City Environmental Quality Review (CEQR) – E Designation Sites:** These sites are parcels assigned a special environmental ("E") designation under the CEQR process. E designation requires specific protocols that must be followed. Source: New York City Department of Planning[3]
Data updated through: 4/10/2014. Data obtained by Toxics Targeting: 4/23/2014

20) **Emergency Response Notification System (ERNS):** Federal database of spills compiled by the Emergency Response Notification System. On-site searches only.
ASTM required.* See Fannie Mae requirement** below. Source: U. S. Environmental Protection Agency.[1]
Data updated through: 1/31/2000. Data obtained by Toxics Targeting: 2/15/2000

21) **Remediation Site Borders:** Remediation site borders reported by NYSDEC.
Source: New York State Department of Environmental Conservation.[2]
Updated through: 4/8/2009. Data obtained by Toxics Targeting: 7/21/2009.

* American Society of Testing Materials: Standard Practice on Environmental Site Assessments: Phase I Environmental Site Assessment Process (E1527-05).

** Fannie Mae's Part X Environmental Hazards Management Procedures specify 1.0 mile searches for "any state or Federal list of hazardous waste sites (e.g. CERCLIS, HWDMS etc.)." Searches for the property and adjacent properties are specified for "chemical manufacturing plants," "obvious high risk neighbors engaging in storing or transporting hazardous waste, chemicals or substances" and "...any documented or visible evidence of dangerous waste handling... (e.g. stressed vegetation, stained soil, open or leaking containers, foul fumes or smells, oily ponds, etc." Searches for property and adjacent properties can include sites up to a quarter mile away (W. Hayward, Director, Multi-Family Business Planning and Control, Fannie Mae, personal communication, 5/94).

[1]U. S. Environmental Protection Agency, 290 Broadway, NY, NY 10007-1866.

[2]NYS Department of Environmental Conservation, 625 Broadway, Albany, NY 12233.

[3]New York City Department of City Planning, 22 Reade St, New York, NY 10007-1216

CERCLIS/NPL/INACTIVE HAZARDOUS WASTE DISPOSAL SITE INFORMATION REQUEST

HUDSON RIVER PCB SEDIMENTS **Facility Id: 546031**
HUDSON RIVER, HUDSON FALLS−NYC BATTERY UNKNOWN CITY, NY 12180

EPA Facility Name: HUDSON RIVER PCBS EPA Facility Id: NYD980763841
NO STREET APPLICABLE HUDSON RIVER, NY 12801

ADDRESS CHANGE INFORMATION
Revised street: HUDSON RIVER BETWEEN FT. EDWARD / TROY
Revised zip code: UNKNOWN

SITE DESIGNATION: NPL, CERCLIS, NYSDEC Registry

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USEPA NATIONAL PRIORITY LIST (NPL)

Hudson River PCBS
New York
EPA ID#: NYD980763841
EPA REGION 2
Congressional District(s): 22
Hudson River − Between Hudson Falls and the Battery in New York City

NPL LISTING HISTORY
Proposed Date: 9/8/1983
Final Date: 9/21/1984

Site Description
The Hudson River PCBs site includes the approximately 200−mile stretch of the Hudson River from Hudson Falls to the Battery in New York City. The Upper Hudson River, an approximately 40−mile reach of the river from Hudson Falls to Troy, in Washington, Saratoga and Rensselaer Counties, is the reach that has been selected for remediation. The General Electric Company discharged between 209,000 and 1.3 million pounds of polychlorinated biphenyls (PCBs) into the river from two capacitor manufacturing plants located in Hudson Falls and Fort Edward. The PCBs from these discharges contaminated the sediments of the Upper Hudson River. Also included in the site are five remnant deposits, which are river sediments that were exposed when the level of the river was lowered due to the removal of the Fort Edward Dam, in 1973.

In 1976, because of the concern over the bioaccumulation of PCBs in fish and other aquatic organisms and their subsequent consumption by people, the State of New York banned fishing in the Upper Hudson River and commercial fishing of striped bass, and several other species, in the Lower Hudson. In August 1995, the Upper Hudson was re−opened to fishing, but only on a catch and release basis.

Albany, the largest city in the basin, has a population of more than 100,000 people; the Town of Fort Edward has a population of 6,480. Land uses in the Hudson River Basin include agriculture, service, and manufacturing, in addition to residential. The Hudson River is an important source of hydroelectric power, public water supplies, transportation, and recreation. The Cities of Waterford, Poughkeepsie, and Rhinebeck, as well as the Highland and Port Ewen Water Districts obtain their water supplies directly from the Hudson River. In addition, a water intake near Chelsea, which is north of Beacon, may be used to supplement New York City's water supply during periods of drought. The Town of Waterford and Town of Halfmoon obtain water from the Upper Hudson River, and are the only municipal water supply intakes below Fort Edward and above the Troy Dam.

The Hudson River has been designated an American Heritage River because of its important role in American history and culture.

Site Responsibility: This site is being addressed through a combination of Federal and potential responsible party actions

Threat and Contaminants
Fish in the Hudson River have been contaminated with PCBs, and eating contaminated fish has been found to present an unacceptable risk (i.e., could affect the health of individuals.) Other exposure pathways to PCBs in the river do not generally exceed acceptable risk levels, such as drinking water, volatilization, or recreational exposure to sediment or water. Concerns related to possible exposure of residents and ecological receptors to PCB contamination in the floodplains are being further evaluated concurrent with the design phase of this project.

Cleanup Approach
The site is being addressed in three stages: immediate actions and two long−term remedial phases(Remnant Deposits and River Sediments) directed at cleanup of the Upper Hudson River. A floodplains evaluation is also in progress.

Response Action Status
Immediate Actions: In 1977 and 1978, an estimated 180,000 cubic yards of contaminated sediments were dredged from the east channel at Fort Edward to clear the navigational channel. These dredged sediments, along with approximately 14,000 cubic yards of highly contaminated sediments from one of the remnant areas, were placed in a clay−lined containment cell. A 40−mile stretch of the Upper Hudson River is open only to catch and release fishing, and the Lower Hudson River has a commercial fishing ban and consumption advisories on striped bass and several other species.

In 1991, investigations at Bakers Falls, in the vicinity of the General Electric Hudson Falls facility (a separate New York State listed hazardous waste site) showed elevated PCB concentrations in the water column. General Electric signed a consent agreement with the State of New York to further investigate this area and to conduct interim remedial measures to prevent PCB contamination from this source from entering the river. Numerous measures have been implemented, including: preventing flow of river water through seep areas in an abandoned mill building, installation of seep collection systems, removal of contaminated sediment from the mill building, pressure grouting of bedrock in areas where seeps were observed in the riverbed, and oil phase PCB collection wells. The State of New York selected a long term remedy for the facility in March 2004. Construction of this long term remedy was initiated in the Spring of 2007. Information collected for the Hudson Falls Plant site investigation was incorporated into the EPA's decision for addressing the contaminated river sediments.

A removal action was also performed on Rogers Island. Information generated by New York State in the early 1990's along with development activities on the southern portion of the island raised concerns regarding potential exposure to PCBs by current residents and potential future users of Rogers Island. EPA decided it was necessary to remove PCB and lead contaminated soils from properties on the northern (residential) area of the island. Removal of the contaminated soil was

completed in December 1999.

Long−Term Remedial Phases:
Remnant Deposits: General Electric, under a Consent Decree with EPA, conducted an interim cleanup of the remnant deposits, selected in the 1984 Record of Decision for the site. The remedy chosen for this portion of the site was in−place containment of shoreline remnant deposits. This includes covering the affected areas with a geosynthetic clay liner and a 2−foot layer of soil, followed by grading and revegetating to minimize erosion. The river banks were stabilized with rock to prevent scouring. Cap construction and the erection of gates to limit site access were completed in 1991.

River Sediments: In the 1984 Record of Decision (ROD) for the site, EPA selected an interim "no−action" decision for the contaminated river sediments. After conducting a comprehensive reassessment of the earlier decision, EPA decided in February 2002 that it is appropriate to remediate the Upper Hudson River. The remedy selected in the 2002 ROD includes the dredging of approximately 2.65 million cubic yards of PCB−contaminated sediments from the Upper Hudson River, which was estimated to contain 70,000 kg (about 150,000 lbs) of total PCBs (approximately 65% of the total PCB mass present within the Upper Hudson River). The selected remedy assumes that a separate source control action would be implemented at the GE Hudson Falls plant. The major components of the selected remedy include:

− Removal of sediments based primarily on a mass per unit area (MPA) of 3 g/m 2 Tri+ PCBs or greater (approximately 1.56 million cubic yards of sediments) from River Section 1;
− Removal of sediments based primarily on an MPA of 10 g/m 2 Tri+ PCBs or greater (approximately 0.58 million cubic yards of sediments) from River Section 2;
− Removal of selected sediments with high concentrations of PCBs and high erosional potential (NYSDEC Hot Spots 36, 37, and the southern portion of 39) (approximately 0.51 million cubic yards) from River Section 3;
− Dredging of the navigation channel, as necessary, to implement the remedy and to avoid hindering canal traffic during implementation. Approximately 341,000 cubic yards of sediments will be removed from the navigation channel (included in volume estimates in the first three components, above);
− Removal of all PCB−contaminated sediments within areas targeted for remediation, with an anticipated residual of approximately 1 mg/kg Tri+ PCBs (prior to backfilling);
− Performance standards for air quality and noise are included in this ROD consistent with state and federal law;
− Other performance standards (including but not necessarily limited to resuspension rates during dredging, production rates during dredging, and residuals after dredging) will be developed during the design with input from the public and in consultation with the state and federal natural resource trustees. These performance standards will be enforceable, and based on objective environmental and scientific criteria. The standards will promote accountability and ensure that the cleanup meets the human health and environmental protection objectives of the ROD.
− Independent external peer review of the dredging resuspension, PCB residuals, and production rate performance standards and the attendant monitoring program, as well as the report prepared at the end of the first phase of dredging that will evaluate the dredging with respect to these performance standards;
− Performance of the dredging in two phases whereby remedial dredging will occur at a reduced rate during the first year of dredging. This will allow comparison of operations with pre−established performance standards and evaluation of necessary adjustments to dredging operations in the succeeding phase or to the standards. Beginning in phase 1 and continuing throughout the life of the project, EPA will conduct an extensive monitoring program. The data EPA gathers, as well as the Agency’s ongoing evaluation of the work with respect to the performance standards, will be made available to the public in a timely manner and will be used to evaluate the project to determine whether it is achieving its human health and environmental protection objectives;

− Backfill of dredged areas with approximately one foot of clean material to isolate residual PCB contamination and to expedite habitat recovery, where appropriate;

− Use of rail and/or barge for transportation of clean backfill materials within the Upper Hudson River area;
− Monitored Natural Attenuation (MNA) of PCB contamination that remains in the river after dredging;
− Use of environmental dredging techniques to minimize and control resuspension of sediments during dredging;
− Transport of dredged sediments via barge or pipeline to sediment processing/transfer facilities for dewatering and, as needed, stabilization;
− Rail and/or barge transport of dewatered, stabilized sediments to an appropriate licensed off−site landfill(s) for disposal. If a beneficial use of some portion of the dredged material is arranged, then an appropriate transportation method will be determined (rail, truck, or barge);
− Monitoring of fish, water and sediment to determine when Remediation Goals are reached, and also monitoring the restoration of aquatic vegetation; and,
− Implementation (or modification) of appropriate institutional controls such as fish consumption advisories and fishing restrictions by the responsible authorities, until relevant Remediation Goals are met.
The targeting of Hot Spots 36, 37 and the southern portion of 39, was based on available data showing that those areas have high PCB concentrations, and potential for loss to the water column or uptake by biota. Additional sampling is being conducted during remedial design to determine whether other areas in River Section 3 have these characteristics and therefore need to be remediated as part of the selected remedy.

Remedial dredging will be conducted in two phases. The first phase will be the first construction season of remedial dredging. The dredging during that year will be implemented initially at less than full scale operation. It will include an extensive monitoring program of all operations. An independent external peer review of the dredging resuspension, PCB residuals, and production rate performance standards will be conducted as part of the Phase 1 program; modifications to the standards or the project design for Phase 2 will be made based upon the findings of the peer review and Phase 1 outcomes. The second phase will be the remainder of the dredging operation, which will be conducted at full−scale. During the full−scale remedial dredging, EPA will continue to monitor, evaluate performance data and make necessary adjustments.

The ROD also noted that sampling of the floodplains would be performed during the remedial design phase of the river sediments remedy. Sampling of the floodplains has been initiated. As a result of the initial phase of sampling, several floodplain areas were targeted for a removal action in 2007. This work was performed by GE. More extensive sampling for a remedial investigation is currently planned for 2008.

Enforcement Status:
EPA has entered into two Administrative Orders on Consent (AOCs) with General Electric Company (GE). Under the July 2002 AOC the company agreed to conduct the extensive sediment sampling needed to identify areas to be dredged; under the August 2003 AOC the company agreed to design both Phase 1 and Phase 2 of the project. EPA and GE reached agreement on a Consent Decree (CD) for under which GE would implement the first phase of the dredging remedy, slated to begin in the spring of 2009, and which would allow for a seamless transition for the Company to perform the remainder of the remedy. The proposed CD was lodged with the Federal District Court in Albany, New York on October 6, 2005. Comments on the CD were accepted through December 14, 2005. EPA and DOJ prepared responses to comments and filed them with the Court on May 16, 2006. In June 2006 the Town of Fort Edward filed a motion to intervene with the Court. On November 2, 2006, the court approved a Consent Decree (CD) and rejected the Town’s motion to intervene. The Town appealed the Court’s decision; this appeal was rejected in January 2008.

Under the agreements, EPA has already received approximately $37 million from GE for past site costs. The CD calls for GE to pay EPA an additional $78 million for the Agency’s past and future costs if GE takes on Phase 2 of the dredging program pursuant to the CD; if GE only conducts the first phase of the dredging program the additional payment would amount to approximately $43 million. Additionally, the agreement contains a provision to help ensure that there is no delay in the

transition between Phase 1 and Phase 2 of the project. It requires GE to spend up to $5 million between the end of the Phase 1 dredging and the date of GE's decision whether or not to conduct Phase 2, to prepare for the initiation of the second phase of dredging. If GE does not agree to conduct the Phase 2 dredging, EPA fully reserved all of its enforcement authorities, including its right to direct the company to perform the dredging and/or sue in district court to require GE to perform Phase 2 or to reimburse EPA for its costs if the Agency conducts Phase 2 using government funds.

Under an earlier agreement GE agreed to implement the in−place containment remedy for the remnant deposits and to reimburse EPA for any costs incurred for that portion of the site remedy.

GE also signed on to a floodplains removal agreement AOC in 2007. EPA is currentlly negotiating anadditional AOC with GE for floodplains remedial investigation/feasibility study. Negotiations on the remedial investigation are not expected to be complete before the summer/fall of 2009. However, GE entered into an AOC in September of 2008 to conduct additional investigatory work in the floodplains. The investigation was completed in the December of 2008 and a report is expected in the Spring of 2009.

Cleanup Progress
River Sediments; 2002 Record of Decision (ROD) for the Hudson River PCBs Site: EPA has made significant progress on the sediment remedy since the ROD was issued, reaching milestones that include the collection and analysis of more approximately 50,000 samples from the river bottom for PCB analysis, the completion of strict engineering and quality of life performance standards to protect public health and minimize impacts on Hudson River communities, the siting of the needed sediment transfer/processing facility in Fort Edward, New York, and the approval of several portions of the Final Design for Phase 1of the project. Construction of a major component of the project, the sediment processing and transfer facility, began in the Spring of 2007. The 110−acre facility is expected to take approximately 18 to 24 months to complete. The construction of this multi−million dollar facility is a major undertaking that will include: the widening of the Champlain Canal for a wharf for unloading barges; a rail yard with five miles of rail to facilitate the loading and transport of sediments by rail to a landfill outside New York State; a two mile access road that will alleviate project traffic on the Town of Fort Edward; a two million gallon per day treatment plant; a dewatering plant capable of processing more than 5000 cubic yards of sediment per day. Substantial construction of the facility has been completed. The Phase 1 design was finalized in January 2008. Dredging will begin in late Spring 2009.

A water line to serve two of the downstream communities (Waterford and Halfmoon) in the event of resuspension of PCBs is 60% complete and on schedule to be completed before the start of dredging. A filter system is being designed for a third community (Stillwater) and is expected to be completed by the start of dredging as well.

The Phase 2 Intermediate Design Report was submitted in May of 2008 and is under review.

Remnant Deposits: Cap construction was completed at the remnant deposits area of the Hudson River PCBs site in 1991, which prevents exposure to contaminants by direct contact or inhalation. In addition, the capping along with bank stabilization should minimize the amount of PCBs entering the river from the remnant deposits. Further studies to evaluate alternatives to address the river sediments are underway.

Hudson Falls Plant Site: After the implementation of interim remedial measures at the Hudson Falls Plant site, PCB concentrations in the water−column decreased to levels which are below those measured before the 1991 peak PCB levels. Additional studies were conducted to evaluate if additional control measures could further reduce contributions to the water column from the Hudson Falls Plant site. New York State selected additional remedial measures for the facility in March 2004. The construction of the remainder of the remedy dealing with the migration of PCB oil and contaminated groundwater began in the Spring of 2007, and are expected to be completed in 2009. Design of the remedy for the

contaminated overburden soils is ongoing.

Ft. Edward Plant Site: New York State issued a Record of Decision on Jan. 28, 2000 for the Ft. Edward plant site dealing with enhancements to the groundwater and PCB oil recovery systems in the main manufacturing area, and PCB−contaminated soils and sediments at the plant outfall. The work at the facility is substantially complete and a groundwater treatment system is operational, although New York State and GE have an agreement for the conduct of a remedial investigation of contaminated bedrock seeps discovered during the remediation of the plant outfall. This investigation is currently underway.

Site Repositories
Adriance Memorial Library, 93 Market Street, Poughkeepsie, NY 12601
Crandell Library, City Park, Glens Falls, NY 12801
Edgewater Public Library, 49 Hudson Ave., Edgewater, NJ 07020
New York State Library, CEC Empire State Plaza, Albany, NY 12230
Saratoga County EMC, 50 W. High Street, Ballston Spa, NY 12020

U.S. Environmental Protection Agency Records Center, 290 Broadway, 18th Floor, NY, NY 10007
USEPA, Hudson River Field Office, 421 Lower Main Street, Fort Edward, NY 12839

December 31, 2008

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INACTIVE HAZARDOUS WASTE DISPOSAL SITE INFORMATION

SITE CODE: 546031
CLASSIFICATION CODE: 02 REGION: 5 DEC ID: 56194
CLASSIFICATION CODE DESCRIPTION:
Significant threat to the public health or environment − action required.

NAME OF SITE: Hudson River PCB Sediments
STREET ADDRESS: Hudson River, Hudson Falls−NYC Battery TOWN: Moreau
CITY: ZIP: 12180 COUNTY: Saratoga

SITE TYPE: Dump− Structure− Lagoon− Landfill− Treatment Pond− ESTIMATED SIZE:

INSTITUTIONAL/ENGINEERING CONTROLS:
None reported

CROSS REFERENCES:

IDENTIFIER	SOURCE
NYD980763841	EPA Site ID

SITE OWNER/OPERATOR INFORMATION:
CURRENT OWNER(S):
NAME: STATE OF NEW YORK Owner Type: Other State Agency (State Government)
ADDRESS:

NAME: New York State Owner Type: Other State Agency (State Government)
ADDRESS:

NAME: New York State
ADDRESS:

OWNER(S) DURING DISPOSAL:
NAME: STATE OF NEW YORK
ADDRESS:

OPERATOR(S) DURING DISPOSAL:
NAME: NYS Department of Transportation
ADDRESS: State Campus − Building 5
Albany, NY 12233

SITE DESCRIPTION:
Site Location:

This site includes the nearly 200−mile stretch of the Hudson River that extends from Hudson Falls in Washington County to the Battery in New York City. The river is part of the Champlain Canal between Fort Edward and Waterford.

Site Features:

The site includes the main stem of the Hudson River, as well as the associated flood plains, river banks, riverene fringing wetlands, and backwater areas.

Current zoning / uses:

The river is currently used for recreation, transportation, and as a source of water for drinking and other purposes. The river floodplain areas include all types of land uses, from passive / recreational to residential to commenrcial / industrial.

Historical uses:

The General Electric Company (GE) discharged PCBs into the river from two capacitor manufacturing plants located in Hudson Falls and Fort Edward starting sometime in 1946.

Previous investigations identified 40 areas or ’hot spots’ in the upper Hudson that had sediments contaminated with greater than 50 ppm of PCBs. Also included in the definition of this site are five Remnant Deposits or river sediment areas that were exposed when the level of the river was lowered when the Fort Edward Dam was removed in 1973.

EPA issued a Record of Decision (ROD) for this National Priorities List site on September 25, 1984 which included: in−place containment of the Remnant Deposits; evaluation of downstream domestic water quality at Waterford, New York; and interim "No Action" as to the PCB−contaminated river sediment. The 1984 ROD indicated that both the No Action decision for the river sediments and the containment remedy for the Remnant Deposits might be reexamined by EPA in the future. The containment remedy for the Remnant Deposits was performed by GE under a 1990 Consent Decree with EPA. In addition, in 1990, NYSDEC completed the evaluation of downstream domestic water quality at Waterford, New York, which concluded that PCB concentrations were below

analytical detection limits after treatment and met standards applicable to public water supplies.

In December 1989, EPA announced its decision to initiate a detailed Reassessment Remedial Investigation/Feasibility Study (RI/FS) of the September 1984 decision concerning the PCB contaminated Hudson River sediments. The Reassessment culminated with EPA's issuance of a second ROD for the site in February 2002 which included the dredging of an estimated 2.65 million cubic yards of PCB contaminated sediments from the Upper Hudson River (between Fort Edward and Troy), which was estimated in the ROD to contain about 66,300 kilograms of total PCBs (approximately 65% of the total PCB mass estimated to be present within the Upper Hudson River). The ROD also identified further evaluation of PCB contamination in the flood plains concurrent with the design phase of the project.

EPA issued a series of Orders to GE for performance of the engineering design for the project. Project design has been completed for Phase 1 (the first year) of the dredging program, and is ongoing for the remainder of the project. Phase 1 dredging commenced in May 2009, and was completed in October 2009. As a result of supplemental investigations during design, the estimates of sediment volume and PCB mass to be removed have been revised to a lower volume of sediment (~1.8 million cubic yards) and a higher PCB mass (~113,000 kilograms) to be removed as a result of the project.

After completion of Phase 1, EPA reviewed the environmental monitoring and operational data to determine the changes to the project standards and to project design specifications for Phase 2.

The changes to the project for Phase 2 were provided to GE in December 2010. GE, in accordance with the Consent Decree for the site, opted to implement Phase 2 of the remedy on 12/31/10.

Phase 2 of the remedial project started in 2011, and is anticipated to take five to seven years.

CONFIRMED HAZARDOUS WASTE DISPOSED:

TYPE	QUANTITY
LEAD	UNKNOWN
CADMIUM	UNKNOWN
PCB-AROCLOR 1016	UNKNOWN
PCB-AROCLOR 1242	UNKNOWN
PCB-AROCLOR 1254	UNKNOWN
POLYCHLORINATED BIPHENYLS (PCB)	UNKNOWN

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:
Nature and extent of contamination:

Contaminants:

The primary constituent of concern is PCBs, discharged from two GE capacitor plants in Hudson Falls and Fort Edward. The upstream extent of contamination is the portion of the river immediately above the Bakers Falls Dam at the GE Hudson Falls plant site. The downstream extent of contamination is the Atlantic Ocean.

The commercial mixtures of PCBs discharged from the two GE plant sites changed over time; intially aroclor 1254, changing to aroclor 1242 and then to aroclor 1016.

Contaminant Concentrations:

PCBs have been found in excess of standards, criteria and guidance concentrations (SCGs) in sediments, surface water, biota, air, and soils at the Hudson River PCBs site. The primary sources at the plant sites have been almost completely abated through remedial work at the plant sites; as a result, the primary source of PCB to the surface water and biota of the river are the contaminated sediments in the river south of the plant sites.

PCB concentrations in sediment range from non−detect to greater than one percent PCB (> 10,000 parts per million). In surface water typically concenrtations range from 2 nanograms per liter (ng/l or parts per trillion) to 100 ng/l, except at times of high flow when scour−driven remobilization of contaminated sediments can cause much higher concentrations in excess of 1 microgram per liter (1 ug/l or part per billion).

Investigations are underway to determine the extent of floodplain impacts. To date, PCB concentrations in excess of 500 milligrams per kilogram (mg/kg or part per million) have been found in limited areas. The nature and extent of floodplain soil contamination has not yet been established.

Significant threat:
PCB contamination in the Hudson River sediments pose a significant threat to human health and/or the environment. Concentrations in PCBs in biota directly attributable to the waste disposal at the site have led the Department of Health to recommend that human consumption of biota be limited over a substantial portion of the Hudson River between Hudson Falls and the Battery in New York City. In the upper Hudson, the fishery is catch and release only, and the NYSDOH advisory is to eat none.

The dispoal of PCB into the Hudson River has also led to significant environmental damage as defined in 6 NYCRR Part 375.

This site has been included in the Federal National Priorities List (NPL).

ASSESSMENT OF HEALTH PROBLEMS:
Consumption of fish is the major potential route of human exposure to PCBs from this site. Because of site impacts, most fish from the Hudson River downstream of Hudson Falls have elevated PCB levels, particularly near the GE Fort Edward Plant site and the GE Hudson Falls site. Fishing is restricted to catch and release from Hudson Falls to Troy. In addition, there are advisories ("eat none" or "eat no more than 1 meal per month") on consumption of several fish species caught from the Hudson River below the Troy Dam to New York Harbor. There are two downstream public drinking water supply intakes within the Upper Hudson River located in Halfmoon and in Waterford. Plans to protect these public water supplies during dredging are under development. In addition, GE under USEPA oversight will take actions at several properties along the Hudson River in 2007 to address PCB contaminated floodplain soils. These actions vary from deploying signs to installing various covers and are intended to reduce exposures to PCBs in floodplain soils until a permanent remedy is developed. Additionally, plans for further floodplain soil investigations in the Upper Hudson River Floodplain are under development.

PROJECT COMPLETIONS:
Operable Unit 01 − IRM − Remnant Site Capping

PROJECT	DESCRIPTION	END DATE	STATUS
Remedial Design		09/01/1990	Actual
Remedial Action		03/01/1995	Actual

Operable Unit 02 − USEPA Hudson River PCB Sediment Remedial Program

PROJECT	DESCRIPTION	END DATE	STATUS
Remedial Investigation		02/01/2002	Actual
Remedial Design	Phase 1 − Contract 1 Remedial Design	05/31/2006	Actual

Remedial Design	Phase 1 – Contract 2 Remedial Design	05/31/2006 Actual
Remedial Design	Phase 1 – Contract 3 Remedial Design	09/14/2006 Actual
Remedial Design	Phase 1 – Contract 6 Remedial Design	09/14/2006 Actual
Remedial Design	Phase 1 – Contract 4 Remedial Design	11/30/2007 Actual
Remedial Design	Phase 1 – Contract 5 Remedial Design	11/30/2007 Actual
Remedial Design	Phase 1 Engineering Design Report	01/25/2008 Actual
Remedial Action	Dewatering Facility Construction	05/15/2009 Actual
Remedial Action	Phase 1 Dredging	12/24/2009 Actual
Remedial Design	Phase 2 Year 1	04/26/2011 Actual
Remedial Action	Phase 1 Habitat Reconstruction	08/15/2011 Actual
Remedial Action	Phase 2 Year 1 Dredging	12/30/2011 Actual
Remedial Design	Phase 2 Year 2	05/03/2012 Actual
Remedial Action	Phase 2 Year 1 Habitat Reconstruction	09/14/2012 Actual
Remedial Action	Phase 2 Year 2 Dredging	12/20/2012 Actual

Operable Unit 03A – Upper Hudson Flood Plain – IRM (Short Term Response Action)

PROJECT	DESCRIPTION	END DATE	STATUS
Remedial Design	Upper Hudson Flood Plain – IRM – 2007	06/19/2007	Actual
Remedial Action	Upper Hudson Flood Plain – IRM – 2007	10/24/2007	Actual

The New York State Department of Environmental Conservation has not publicly updated the following fields since 2003:

ANALYTICAL DATA AVAILABLE FOR:	Air–	Surface Water–X	Groundwater–	Soil–	Sediment–X
APPLICABLE STANDARDS EXCEEDED IN:	Groundwater–	Drinking Water–	Surface Water–X	Air–	

GEOTECHNICAL INFORMATION:

SOIL/ROCK TYPE:	Fluvial sediments.
GROUNDWATER DEPTH:	Not applicable.

LEGAL ACTION:	Type: Consent Order		State–	Federal–X
STATUS:	Negotiation in Progress–		Order Signed–X	
REMEDIAL ACTION:	Proposed–	Under Design–	In Progress–X	Completed–
NATURE OF ACTION:	Reassessment.			

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USEPA COMPREHENSIVE ENVIRONMENTAL RESPONSE
COMPENSATION AND LIABILITY INFORMATION SYSTEM (CERCLIS)

SITE INFORMATION

EPA–ID: NYD980763841 Site–ID: 0202229
Site Name: HUDSON RIVER PCBS
Site Street: NO STREET APPLICABLE
Site City/State/Zip: HUDSON RIVER, NY 12801

NFRAP (No Further Remedial Activity Planned) Status: NOT DESIGNATED AS NFRAP

USGS Hydrological Unit: 02020003 NPL Status Indicator: Currently on the Final NPL
Incident Category: Waterways/Creeks/Rivers RCRA Flag:
Non-NPL Status: Non-NPL Stat Date:
Federal Facility Flag: Not a Federal Facility

Federal Register activity:
Activity: Proposed for Federal Register Date: 09/08/1983 Proposed NPL List Number: 1
Activity: Currently on the Final Federal Register Date: 09/21/1984 Final NPL List Number: 3

Site Type(s):
Category: Manufacturing/Processing/Maintenance Sub-Category: Electronic/electrical equipment

Site Program Priority:
CPRM Universe
EI FY 2006 Baseline Site
Human Exposure EI FY 2002 Baseline Site
Mega Site

Contact information:
Person: BENNY CONETTA Title: Remedial Project Manager (RPM) Phone: 2126373030
Email: CONETTA.BENNY@EPA.GOV

SITE DESCRIPTION

The Hudson River PCBs Site includes a nearly 200 river-mile stretch of the Hudson River in eastern New York State from the Village of Hudson Falls to the Battery in New York City. The Hudson River has been designated an American Heritage River because of its important role in American history and culture. This federal Superfund Record of Decision (ROD) addresses the risks to people and ecological receptors associated with polychlorinated biphenyls (PCBs) in the in-place sediments of the Upper Hudson River.

The Site is divided into the Upper Hudson River which is the length of river between Hudson Falls and the Federal Dam at Troy, New York and the Lower Hudson River which is the length of river between Federal Dam at Troy and the Battery. For purposes of this project, EPA further divided the Upper Hudson River area into three main sections known as River Section 1, River Section 2, and River Section 3. The Site also includes five Remnant Deposits, which are areas of PCB-contaminated sediment that became exposed after the river water level dropped following removal of the Fort Edward Dam in 1973.

The Upper Hudson River portion of the Site extends from the Fenimore Bridge in Hudson Falls to the Federal Dam at Troy, a distance of just over 43 river miles. The Lower Hudson River extends from the Federal Dam to the southern tip of Manhattan at the Battery in New York City. The Mid-Hudson River, which is primarily a subset of the Lower Hudson River, extends from the Federal Dam at Troy to just south of Poughkeepsie.

The predominant sources of PCB contamination to the Upper Hudson River were two capacitor manufacturing plants owned and operated by GE. The plants are located adjacent to or near the Hudson River in the Village of Hudson Falls and the Town of Fort Edward. Over a 30-year period, the plants discharged a substantial amount of PCBs into the river. At the GE Hudson Falls plant, leakage of non-aqueous phase PCB-bearing oils through bedrock to the river continues to be a source of PCB contamination. Regarding the former outfall to the Hudson River from the GE Fort Edward plant, New York State Department of Environmental Conservation

(NYSDEC) issued a Record of Decision in January 2000 that calls for the excavation of PCB−contaminated soil and sediment in this area of the Upper Hudson River shoreline in order to eliminate this source of PCBs to the river. EPA's analysis assumes a significantly reduced PCB loading to the river from these sources once the State's plans for remediation are implemented.

PCBs, the chemicals of concern addressed in this decision document, have been classified by EPA as probable human carcinogens. They are also linked to other serious non− cancer adverse health effects based on observations in animals and emerging evidence in humans.

Once discharged from the GE plants, the PCBs adhered to river sediment and accumulated downstream as they settled in impounded pools and other depositional areas. Historic fish and sediment data indicated PCBs were accumulating downstream of the old Fort Edward Dam as well as accumulating behind the dam. The removal of the dam in 1973 resulted in a remobilization and downstream distribution of PCBs that had accumulated behind the dam. Historically, the highest PCB sediment concentrations have been detected in the cohesive sediments within the Upper Hudson River. River scouring/ erosion and other mechanisms have mobilized PCB− contaminated sediments from the extensive cohesive deposits, redepositing them farther downstream all the way to the Battery. The preponderance of data indicates that burial of contaminated sediment by cleaner materials is not universally or uniformly occurring. Data also indicate that contaminated sediments in River Sections 1, 2 and 3 continue to serve as the major source of PCBs to the water column and the fish within the Upper Hudson River.

During an approximate 30−year period ending in 1977, PCBs were used in capacitor manufacturing operations Hudson Falls and Fort Edward, New York facilities. PCB oils were discharged both directly and indirectly from these plants into the Hudson River. This included both non−permitted and permitted discharges. Even after permits were received in 1975, permit exceedances occurred. Estimates of the total quantity of PCBs discharged directly from the two plants into the river from the 1940s to 1977 are as high as 1,330,000 pounds (about 605,000 kg).

Many of the PCBs discharged to the river adhered to sediments and accumulated with the sediments as they settled in the impounded pool behind the Fort Edward Dam, as well as other depositional areas farther downstream. Because of its deteriorating condition, the Fort Edward Dam was removed in 1973. Five areas of PCB−contaminated sediments were exposed due to the lowering of the river water level when the Fort Edward Dam was removed. These five areas are known as the Remnant Deposits. During subsequent floods, PCB−contaminated sediments from the Fort Edward Dam area were scoured and transported downstream.

EPA notified the company that had the two plants of the remedy selected in the 1984 ROD and offered the company the opportunity to implement the selected remedy with respect to the Remnant Deposits and the Waterford drinking water supply evaluation. The company declined EPA's offer. NYSDEC, with funding provided by EPA, conducted the evaluation at the Waterford Water Works. In addition, NYSDEC prepared a design for the in− place containment of the Remnant Deposits. This design was completed in 1988.

In March 1989, the company offered to assume responsibility for the implementation of the in−place containment remedy for the Remnant Deposits. EPA issued a September 27, 1989 Administrative Order on Consent to the company which required the company to prepare a remedial design report for the construction of access roads to the Remnant Deposits and to submit a design for the in−place containment of the Remnant Deposits incorporating the NYSDEC−prepared design, plus any EPA−approved refinements to that design. EPA also issued a September 27, 1989 Administrative Order to the company requiring the company to construct and maintain the access roads to the Remnant Deposits. The company constructed the in−place containment of the Remnant Deposits under a 1990 Consent Decree with EPA. EPA will evaluate the need for further remedial action for the Remnant Deposits after completion of a 5−year review of the Remnant Deposit containment remedy, performed pursuant to CERCLA ?121(c).

The company's manufacturing plants in Hudson Falls and Fort Edward are listed under the New York State Inactive Hazardous Waste Disposal Sites Remedial program. The company currently is conducting remedial activities near the Hudson Falls and Fort Edward plants pursuant to Orders on Consent with NYSDEC. The company has thus far declined to implement the January 2000 NYSDEC Record

of Decision for the Fort Edward plant Outfall 004. The NYSDEC is conducting the remedial design for that ROD.

As one of America's great rivers, the Hudson has played and will continue to play a major role in the history, culture, and economy of the area. The Hudson has been designated an American Heritage River because of its important role in American history and culture. Current and reasonably-anticipated future land use and surface water use are described below. Current land use includes a variety of residential, commercial and industrial activities. Use of the river and lands surrounding the river are projected to remain the same. At this time, no changes in future land use are known, nor are any new uses expected. The Site passes through 14 different counties as the river flows to its final discharge point in New York Harbor. Four counties (Albany, Washington, Rensselaer, and Saratoga) lie adjacent to the more highly contaminated portions (areas of proposed active remediation in River Sections 1, 2 and 3) of the Upper Hudson River between Troy (Federal Dam) and Hudson Falls. Within these four counties, forests and farmlands surround urban centers and historic villages. There are apple orchards and dairy farms, parks, nature preserves and gardens. In addition to the GE Hudson Falls and Fort Edward plants, the area is home to technology companies, oil service companies and food companies. Saratoga and Washington Counties have experienced population growth between 1990 and 1999 of 10.2 percent and 1.4 percent, respectively, while Rensselaer and Albany Counties have experienced population declines of 1.9 percent and 0.3 percent, respectively. Total population of these four counties, according to July 1999 estimates by the US Department of Commerce Bureau of the Census, is just under 700,000. Warren County, in which the City of Glens Falls is located, has a population of just over 60,000 and is just to the northwest of the Hudson River PCBs Site.

A Record of Decision (ROD) addressing operable unit 1 (OU 01) was completed in September 1984.

A Record of Decision addressing OU 2 was completed in February 2002.

SITE ALIAS INFORMATION

Alias Name: HUDSON RIVER PCBS Alias ID: 101
Alias Street:
Alias City/State/Zip: WARREN, NY

Alias Name: HUDSON RIVER PCBS Alias ID: 102
Alias Street: NO STREET APPLICABLE
Alias City/State/Zip: NO CITY APPLICABLE, NY 12801

Alias Name: HUDSON RIVER PCBS Alias ID: 103
Alias Street: NO STREET APPLICABLE
Alias City/State/Zip: HUDSON RIVER, NY 12801

OPERABLE UNIT INFORMATION

Operable Unit ID: 00 Operable Unit Name: SITEWIDE
Operable Unit ID: 01 Operable Unit Name: REMNANT DEPOSIT CAPPING
Operable Unit ID: 02 Operable Unit Name: REASSESSMENT RIVER
Operable Unit ID: 03 Operable Unit Name: ROGER'S ISLAND
Operable Unit ID: 04 Operable Unit Name: FLOODPLAINS OU

Constituent Contaminant(s):
Name: AROCLOR-1016 Haz Substance Code: 12674-11-2
Contam Group: PCBs Media: Sediment Subst Of Concern: Y

Wst Src Name: Sediment Min Concen: Max Concen:
Action: Record of Decision Start Date: Compl Date: 02/01/2002

Name: AROCLOR-1016 Haz Substance Code: 12674-11-2
Contam Group: PCBs Media: Surface Water Subst Of Concern: Y
Wst Src Name: Surface Water Min Concen: Max Concen:
Action: Record of Decision Start Date: Compl Date: 02/01/2002

Name: AROCLOR-1254 Haz Substance Code: 11097-69-1
Contam Group: PCBs Media: Sediment Subst Of Concern: Y
Wst Src Name: Sediment Min Concen: Max Concen:
Action: Record of Decision Start Date: Compl Date: 02/01/2002

Name: AROCLOR-1254 Haz Substance Code: 11097-69-1
Contam Group: PCBs Media: Surface Water Subst Of Concern: Y
Wst Src Name: Surface Water Min Concen: Max Concen:
Action: Record of Decision Start Date: Compl Date: 02/01/2002

Name: METALS Haz Substance Code: TBD-00000006
Contam Group: Metals Media: Soil Subst Of Concern:
Wst Src Name: SOIL 01 MATRL Min Concen: Max Concen:
Action: PRP Remedial Action Start Date: 09/28/1990 Compl Date: 09/29/1992

Name: METALS Haz Substance Code: TBD-00000006
Contam Group: Metals Media: Soil Subst Of Concern:
Wst Src Name: SOIL 02 MATRL Min Concen: Max Concen:
Action: PRP Remedial Action Start Date: 09/28/1990 Compl Date: 09/29/1992

Name: PCBs Haz Substance Code: TBD-00000027
Contam Group: PCBs Media: Soil Subst Of Concern:
Wst Src Name: SOIL 01 MATRL Min Concen: Max Concen:
Action: PRP Remedial Action Start Date: 09/28/1990 Compl Date: 09/29/1992

Name: PCBs Haz Substance Code: TBD-00000027
Contam Group: PCBs Media: Soil Subst Of Concern:
Wst Src Name: SOIL 02 MATRL Min Concen: Max Concen:
Action: PRP Remedial Action Start Date: 09/28/1990 Compl Date: 09/29/1992

Name: PCBs Haz Substance Code: 1336-36-3
Contam Group: PCBs Media: Sediment Subst Of Concern: Y
Wst Src Name: River Sediment Min Concen: Max Concen:
Action: Record of Decision Start Date: Compl Date: 09/25/1984

Name: PCBs Haz Substance Code: 1336-36-3
Contam Group: PCBs Media: Sediment Subst Of Concern: Y
Wst Src Name: Sediment Min Concen: Max Concen:
Action: Record of Decision Start Date: Compl Date: 02/01/2002

Name: PCBs
Contam Group: PCBs
Wst Src Name: Surface Water
Action: Record of Decision
Media: Surface Water
Min Concen:
Start Date:
Haz Substance Code: 1336-36-3
Subst Of Concern: Y
Max Concen:
Compl Date: 02/01/2002

Name: PCBs
Contam Group: PCBs
Wst Src Name: Remnant Deposits
Action: Record of Decision
Media: Sediment
Min Concen:
Start Date:
Haz Substance Code: 1336-36-3
Subst Of Concern: Y
Max Concen:
Compl Date: 09/25/1984

Waste Source Media:

Wst Src Name: Remnant Deposits
Action: Record of Decision
Low Volume: 0 Acres
Media: Sediment
Start Date:
High Volume: 359525 Acres
Compl Date: 09/25/1984

Wst Src Name: River Sediment
Action: Record of Decision
Low Volume:
Media: Sediment
Start Date:
High Volume:
Compl Date: 09/25/1984

Wst Src Name: SOIL 02 MATRL
Action: PRP Remedial Action
Low Volume:
Media: Soil
Start Date: 09/28/1990
High Volume:
Compl Date: 09/29/1992

Wst Src Name: SOIL 01 MATRL
Action: PRP Remedial Action
Low Volume:
Media: Soil
Start Date: 09/28/1990
High Volume:
Compl Date: 09/29/1992

Wst Src Name: Access Roads
Action: PRP Remedial Action
Low Volume:
Media: Soil
Start Date: 10/13/1989
High Volume:
Compl Date: 09/29/1992

Wst Src Name: soil
Action: Removal
Low Volume:
Media: Soil
Start Date: 10/06/1999
High Volume:
Compl Date: 09/14/2001

Wst Src Name: Sediment
Action: Record of Decision
Low Volume: 0
Media: Sediment
Start Date:
High Volume: 2650000
Compl Date: 02/01/2002

Wst Src Name: Surface Water
Action: Record of Decision
Low Volume:
Media: Surface Water
Start Date:
High Volume:
Compl Date: 02/01/2002

Wst Src Name: River Sediments
Action: PRP Remedial Action
Media: Sediment
Start Date: 09/06/2005
Compl Date:

Low Volume: 0 High Volume: 2650000

Wst Src Name: Surface Water Media: Surface Water
Action: Remedial Action Start Date: 05/09/2008 Compl Date: 11/24/2009
Low Volume: High Volume:

Wst Src Name: Sediment Media: Sediment
Action: Remedial Action Start Date: 05/09/2008 Compl Date: 11/24/2009
Low Volume: 0 High Volume: 2650000

Wst Src Name: Surface Water Media: Surface Water
Action: Remedial Action Start Date: 12/04/2008 Compl Date: 12/23/2009
Low Volume: High Volume:

Wst Src Name: Sediment Media: Sediment
Action: Remedial Action Start Date: 12/04/2008 Compl Date: 12/23/2009
Low Volume: 0 High Volume: 2650000

Wst Src Name: sediment Media: Sediment
Action: PRP Remedial Action Start Date: 12/31/2010 Compl Date:
Low Volume: High Volume:

Removal Response activity:

Technology Type: Disposal Media: Soil
Technology Group: OTHER
Action: Removal Start Date: 10/06/1999 Compl Date: 09/14/2001

Remedial Response activity:

Technology Type: Slope Stabilization Media: Sediment
Technology Group: OTHER
Action: Record of Decision Start Date: Compl Date: 09/25/1984

Technology Type: Containment, (N.O.S.) Media: Sediment
Technology Group: CONTAINMENT
Action: Record of Decision Start Date: Compl Date: 09/25/1984

Technology Type: No Action Media: Sediment
Technology Group: OTHER
Action: Record of Decision Start Date: Compl Date: 09/25/1984

Technology Type: Revegetation Media: Sediment
Technology Group: OTHER
Action: Record of Decision Start Date: Compl Date: 09/25/1984

Technology Type: Cap Media: Soil
Technology Group: CONTAINMENT
Action: PRP Remedial Action Start Date: 10/13/1989 Compl Date: 09/29/1992

Technology Type: Cap Media: Soil
Technology Group: CONTAINMENT
Action: PRP Remedial Action Start Date: 09/28/1990 Compl Date: 09/29/1992

Technology Type: Other, (N.O.S.) Media: Soil
Technology Group: OTHER
Action: PRP Remedial Action Start Date: 09/28/1990 Compl Date: 09/29/1992

Technology Type: Excavation Media: Sediment
Technology Group: PHYSICAL/CHEMICAL TREATMENT (EX-SITU - ASSUMING EXCAVATION)
Action: Record of Decision Start Date: Compl Date: 02/01/2002

Technology Type: Natural Attenuation Media: Surface Water
Technology Group: OTHER
Action: Record of Decision Start Date: Compl Date: 02/01/2002

Technology Type: Monitoring Media: Surface Water
Technology Group: OTHER
Action: Record of Decision Start Date: Compl Date: 02/01/2002

Technology Type: Fishing Advisory Media: Surface Water
Technology Group: INSTITUTIONAL CONTROLS
Action: Record of Decision Start Date: Compl Date: 02/01/2002

Technology Type: Disposal Media: Sediment
Technology Group: OTHER
Action: Record of Decision Start Date: Compl Date: 02/01/2002

Technology Type: Solidification/ Stabilization Media: Sediment
Technology Group: PHYSICAL/CHEMICAL TREATMENT (EX-SITU - ASSUMING EXCAVATION)
Action: Record of Decision Start Date: Compl Date: 02/01/2002

Technology Type: Dewatering Media: Sediment
Technology Group: PHYSICAL/CHEMICAL TREATMENT (EX-SITU - ASSUMING EXCAVATION)
Action: Record of Decision Start Date: Compl Date: 02/01/2002

Technology Type: Monitoring Media: Sediment
Technology Group: OTHER
Action: PRP Remedial Action Start Date: 09/06/2005 Compl Date:

Technology Type: Disposal Media: Sediment
Technology Group: OTHER
Action: PRP Remedial Action Start Date: 09/06/2005 Compl Date:

Technology Type: Institutional Controls, (N.O.S.) Media: Sediment
Technology Group: INSTITUTIONAL CONTROLS

Action: PRP Remedial Action Start Date: 09/06/2005 Compl Date:

Technology Type: Excavation Media: Sediment
Technology Group: PHYSICAL/CHEMICAL TREATMENT (EX−SITU − ASSUMING EXCAVATION)
Action: PRP Remedial Action Start Date: 09/06/2005 Compl Date:

Technology Type: Natural Attenuation Media: Surface Water
Technology Group: OTHER
Action: Remedial Action Start Date: 05/09/2008 Compl Date: 11/24/2009

Technology Type: Excavation Media: Sediment
Technology Group: PHYSICAL/CHEMICAL TREATMENT (EX−SITU − ASSUMING EXCAVATION)
Action: Remedial Action Start Date: 05/09/2008 Compl Date: 11/24/2009

Technology Type: Disposal Media: Sediment
Technology Group: OTHER
Action: Remedial Action Start Date: 05/09/2008 Compl Date: 11/24/2009

Technology Type: Fishing Advisory Media: Surface Water
Technology Group: INSTITUTIONAL CONTROLS
Action: Remedial Action Start Date: 05/09/2008 Compl Date: 11/24/2009

Technology Type: Solidification/ Stabilization Media: Sediment
Technology Group: PHYSICAL/CHEMICAL TREATMENT (EX−SITU − ASSUMING EXCAVATION)
Action: Remedial Action Start Date: 05/09/2008 Compl Date: 11/24/2009

Technology Type: Dewatering Media: Sediment
Technology Group: PHYSICAL/CHEMICAL TREATMENT (EX−SITU − ASSUMING EXCAVATION)
Action: Remedial Action Start Date: 05/09/2008 Compl Date: 11/24/2009

Technology Type: Monitoring Media: Surface Water
Technology Group: OTHER
Action: Remedial Action Start Date: 05/09/2008 Compl Date: 11/24/2009

Technology Type: Natural Attenuation Media: Surface Water
Technology Group: OTHER
Action: Remedial Action Start Date: 12/04/2008 Compl Date: 12/23/2009

Technology Type: Fishing Advisory Media: Surface Water
Technology Group: INSTITUTIONAL CONTROLS
Action: Remedial Action Start Date: 12/04/2008 Compl Date: 12/23/2009

Technology Type: Excavation Media: Sediment
Technology Group: PHYSICAL/CHEMICAL TREATMENT (EX−SITU − ASSUMING EXCAVATION)
Action: Remedial Action Start Date: 12/04/2008 Compl Date: 12/23/2009

Technology Type: Disposal Media: Sediment

Technology Group: OTHER
Action: Remedial Action Start Date: 12/04/2008 Compl Date: 12/23/2009

Technology Type: Solidification/ Stabilization Media: Sediment
Technology Group: PHYSICAL/CHEMICAL TREATMENT (EX-SITU - ASSUMING EXCAVATION)
Action: Remedial Action Start Date: 12/04/2008 Compl Date: 12/23/2009

Technology Type: Dewatering Media: Sediment
Technology Group: PHYSICAL/CHEMICAL TREATMENT (EX-SITU - ASSUMING EXCAVATION)
Action: Remedial Action Start Date: 12/04/2008 Compl Date: 12/23/2009

Technology Type: Monitoring Media: Surface Water
Technology Group: OTHER
Action: Remedial Action Start Date: 12/04/2008 Compl Date: 12/23/2009

Technology Type: Dredging Media: Sediment
Technology Group: CONTAINMENT
Action: PRP Remedial Action Start Date: 12/31/2010 Compl Date:

ACTION INFORMATION

Name: Discovery Start Date: Operable Unit ID: 00
Lead: EPA Fund-Financed Completion Date: 07/01/1983
Qualifier: Fin Budget Src:

Name: Preliminary Assessment Start Date: Operable Unit ID: 00
Lead: EPA Fund-Financed Completion Date: 09/01/1983
Qualifier: Low Fin Budget Src: Remedial

Name: Site Inspection Start Date: 08/01/1983 Operable Unit ID: 00
Lead: EPA Fund-Financed Completion Date: 09/01/1983
Qualifier: High Fin Budget Src: Remedial

Name: Proposal to NPL Start Date: Operable Unit ID: 00
Lead: EPA Fund-Financed Completion Date: 09/08/1983
Qualifier: Fin Budget Src: Remedial

Name: NPL Responsible Party Search Start Date: Operable Unit ID: 00
Lead: Federal Enforcement Completion Date: 11/15/1983
Qualifier: Search Complete, Viable PRPs Fin Budget Src: Enforcement

Name: Final Listing on NPL Start Date: Operable Unit ID: 00
Lead: EPA Fund-Financed Completion Date: 09/21/1984
Qualifier: Fin Budget Src: Remedial

Name: Combined RI/FS Start Date: 03/30/1984 Operable Unit ID: 01
Lead: EPA Fund-Financed Completion Date: 09/25/1984

Qualifier:
Fin Budget Src: Remedial

Name: Record of Decision
Lead: EPA Fund−Financed
Qualifier:
Start Date: Operable Unit ID: 01
Completion Date: 09/25/1984
Fin Budget Src:

Name: Remedial Design/Remedial Action Negotiations
Lead: Federal Enforcement
Qualifier:
Start Date: 10/27/1983 Operable Unit ID: 00
Completion Date: 09/28/1984
Fin Budget Src: Enforcement

Name: Administrative/Voluntary Cost Recovery
Lead: Federal Enforcement
Qualifier:
Start Date: Operable Unit ID: 00
Completion Date: 05/04/1988
Fin Budget Src: Enforcement

Name: Remedial Design
Lead: EPA Fund−Financed
Qualifier:
Start Date: 02/02/1989 Operable Unit ID: 01
Completion Date: 06/05/1989
Fin Budget Src: Remedial

Name: Administrative Order on Consent
Lead: Federal Enforcement
Qualifier:
Start Date: Operable Unit ID: 01
Completion Date: 09/27/1989
Fin Budget Src: Enforcement

Name: Remedial Design/Remedial Action Negotiations
Lead: Federal Enforcement
Qualifier:
Start Date: 06/09/1989 Operable Unit ID: 00
Completion Date: 09/27/1989
Fin Budget Src: Enforcement

Name: Remedial Design/Remedial Action Negotiations
Lead: Federal Enforcement
Qualifier:
Start Date: 06/09/1989 Operable Unit ID: 00
Completion Date: 09/27/1989
Fin Budget Src: Enforcement

Name: Unilateral Administrative Order
Lead: Federal Enforcement
Qualifier:
Start Date: Operable Unit ID: 00
Completion Date: 09/27/1989
Fin Budget Src: Enforcement

Name: Remedial Design/Remedial Action Negotiations
Lead: Federal Enforcement
Qualifier:
Start Date: 03/03/1989 Operable Unit ID: 00
Completion Date: 04/06/1990
Fin Budget Src: Enforcement

Name: Lodged by DOJ
Lead: Federal Enforcement
Qualifier:
Start Date: Operable Unit ID: 01
Completion Date: 05/18/1990
Fin Budget Src:

Name: Remedial Design
Lead: State, Fund Financed
Qualifier:
Start Date: 09/28/1984 Operable Unit ID: 01
Completion Date: 05/18/1990
Fin Budget Src: Remedial

Name: Consent Decree
Start Date: 04/06/1990 Operable Unit ID: 01

Lead: Federal Enforcement
Qualifier:
Completion Date: 07/21/1990
Fin Budget Src:

Name: Removal Assessment
Lead: EPA Fund−Financed
Qualifier: Stabilized
Start Date: 04/17/1990 Operable Unit ID: 00
Completion Date: 08/21/1990
Fin Budget Src: Removal

Name: PRP Remedial Design
Lead: Responsible Party
Qualifier:
Start Date: 09/27/1989 Operable Unit ID: 01
Completion Date: 09/28/1990
Fin Budget Src: Remedial

Name: RI/FS Negotiations
Lead: Federal Enforcement
Qualifier:
Start Date: 03/12/1990 Operable Unit ID: 00
Completion Date: 10/04/1990
Fin Budget Src: Enforcement

Name: PRP Remedial Design
Lead: Responsible Party
Qualifier:
Start Date: 05/18/1989 Operable Unit ID: 01
Completion Date: 01/07/1991
Fin Budget Src: Remedial

Name: PRP Remedial Action
Lead: Responsible Party
Qualifier:
Start Date: 10/13/1989 Operable Unit ID: 01
Completion Date: 09/29/1992
Fin Budget Src: Remedial

Name: PRP Remedial Action
Lead: Responsible Party
Qualifier:
Start Date: 09/28/1990 Operable Unit ID: 01
Completion Date: 09/29/1992
Fin Budget Src: Remedial

Name: Removal Assessment
Lead: EPA Fund−Financed
Qualifier: Stabilized
Start Date: 11/19/1992 Operable Unit ID: 03
Completion Date: 12/01/1992
Fin Budget Src: Removal

Name: Technical Assistence
Lead: EPA Fund−Financed
Qualifier:
Start Date: 09/30/1997 Operable Unit ID: 02
Completion Date:
Fin Budget Src: Remedial

Name: Comfort/Status Letter
Lead: Federal Enforcement
Qualifier:
Start Date: Operable Unit ID: 00
Completion Date: 11/02/1998
Fin Budget Src:

Name: Removal Assessment
Lead: EPA Fund−Financed
Qualifier:
Start Date: 10/14/1998 Operable Unit ID: 03
Completion Date: 01/07/1999
Fin Budget Src: Removal

Name: Removal Assessment
Lead: EPA Fund−Financed
Qualifier:
Start Date: 06/03/1998 Operable Unit ID: 03
Completion Date: 06/24/1999
Fin Budget Src: Removal

Name: Public Notice Published
Lead: EPA Fund−Financed
Qualifier:
Start Date: Operable Unit ID: 00
Completion Date: 03/28/2000
Fin Budget Src:

Name: Removal
Lead: EPA Fund−Financed
Qualifier: Stabilized
Start Date: 10/06/1999 Operable Unit ID: 03
Completion Date: 09/14/2001
Fin Budget Src: Removal

Name: Combined RI/FS
Lead: EPA Fund−Financed
Qualifier:
Start Date: 07/25/1990 Operable Unit ID: 02
Completion Date: 02/01/2002
Fin Budget Src: Remedial

Name: Record of Decision
Lead: EPA Fund−Financed
Qualifier: Final Remedy Selected at Site
Start Date: Operable Unit ID: 02
Completion Date: 02/01/2002
Fin Budget Src:

Name: Special Notice Issued
Lead: Federal Enforcement
Qualifier:
Start Date: Operable Unit ID: 02
Completion Date: 02/04/2002
Fin Budget Src:

Name: Special Notice Issued
Lead: Federal Enforcement
Qualifier:
Start Date: Operable Unit ID: 02
Completion Date: 02/04/2002
Fin Budget Src:

Name: Special Notice Issued
Lead: Federal Enforcement
Qualifier:
Start Date: Operable Unit ID: 04
Completion Date: 02/04/2002
Fin Budget Src:

Name: Remedial Design
Lead: Special Account Financed Action − EPA
Qualifier:
Start Date: 02/15/2002 Operable Unit ID: 02
Completion Date:
Fin Budget Src: Remedial

Name: Administrative Order on Consent
Lead: Federal Enforcement
Qualifier:
Start Date: Operable Unit ID: 02
Completion Date: 07/23/2002
Fin Budget Src: Enforcement

Name: Remedial Design/Remedial Action Negotiations
Lead: Federal Enforcement
Qualifier:
Start Date: 02/04/2002 Operable Unit ID: 02
Completion Date: 07/23/2002
Fin Budget Src: Enforcement

Name: PRP Remedial Design
Lead: Responsible Party
Qualifier:
Start Date: 07/23/2002 Operable Unit ID: 02
Completion Date:
Fin Budget Src: Remedial

Name: Technical Assistence
Lead: EPA Fund−Financed
Qualifier:
Start Date: 07/08/2003 Operable Unit ID: 02
Completion Date:
Fin Budget Src: Remedial

Name:	Administrative Order on Consent	Start Date:		Operable Unit ID: 02
Lead:	Federal Enforcement	Completion Date:	08/13/2003	
Qualifier:		Fin Budget Src:	Enforcement	
Name:	Remedial Design/Remedial Action Negotiations	Start Date:	07/23/2002	Operable Unit ID: 02
Lead:	Federal Enforcement	Completion Date:	08/13/2003	
Qualifier:		Fin Budget Src:	Enforcement	
Name:	Expanded Site Insp/Remedial Investigation	Start Date:		Operable Unit ID: 00
Lead:	EPA Fund−Financed	Completion Date:	08/31/2005	
Qualifier:	Referred to Removal, no further Remedial	Fin Budget Src:	Remedial	
Name:	Remedial Design/Remedial Action Negotiations	Start Date:	02/04/2002	Operable Unit ID: 02
Lead:	Federal Enforcement	Completion Date:	09/06/2005	
Qualifier:		Fin Budget Src:	Enforcement	
Name:	PRP Remedial Action	Start Date:	09/06/2005	Operable Unit ID: 02
Lead:	Responsible Party	Completion Date:		
Qualifier:		Fin Budget Src:	Remedial	
Name:	Technical Assistance Grant	Start Date:	09/29/1995	Operable Unit ID: 00
Lead:	EPA Fund−Financed	Completion Date:	09/20/2005	
Qualifier:		Fin Budget Src:	Remedial	
Name:	Lodged by DOJ	Start Date:		Operable Unit ID: 02
Lead:	Federal Enforcement	Completion Date:	10/06/2005	
Qualifier:		Fin Budget Src:		
Name:	Consent Decree	Start Date:	09/06/2005	Operable Unit ID: 02
Lead:	Federal Enforcement	Completion Date:	11/02/2006	
Qualifier:		Fin Budget Src:		
Name:	Community Involvement	Start Date:	03/25/2002	Operable Unit ID: 02
Lead:	EPA Fund−Financed	Completion Date:	11/02/2006	
Qualifier:		Fin Budget Src:	Remedial	
Name:	Remedial Action	Start Date:	01/19/2007	Operable Unit ID: 02
Lead:	Special Account Financed Action − State	Completion Date:		
Qualifier:		Fin Budget Src:	Remedial	
Name:	Unilateral Administrative Order	Start Date:		Operable Unit ID: 00
Lead:	Federal Enforcement	Completion Date:	03/29/2007	
Qualifier:		Fin Budget Src:	Enforcement	
Name:	State Support Agency Cooperative Agreement	Start Date:	02/22/1991	Operable Unit ID: 02
Lead:	EPA Fund−Financed	Completion Date:	04/03/2007	

Qualifier:
Fin Budget Src: Remedial

Name: Administrative Order on Consent
Lead: Federal Enforcement
Qualifier:
Start Date: Operable Unit ID: 04
Completion Date: 07/11/2007
Fin Budget Src: Enforcement

Name: Removal Negotiations
Lead: Federal Enforcement
Qualifier:
Start Date: Operable Unit ID: 04
Completion Date: 07/11/2007
Fin Budget Src: Enforcement

Name: PRP Emergency Removal
Lead: Responsible Party
Qualifier: Cleaned up
Start Date: 08/24/2007 Operable Unit ID: 00
Completion Date: 08/27/2007
Fin Budget Src:

Name: Potentially Responsible Party Removal
Lead: Responsible Party
Qualifier: Stabilized
Start Date: 09/11/2007 Operable Unit ID: 04
Completion Date:
Fin Budget Src: Removal

Name: PRP Remedial Design
Lead: Responsible Party
Qualifier:
Start Date: 08/14/2003 Operable Unit ID: 02
Completion Date: 01/25/2008
Fin Budget Src: Remedial

Name: Real Property Acquisition
Lead:
Qualifier:
Start Date: 02/15/2008 Operable Unit ID: 02
Completion Date:
Fin Budget Src: Pipeline Operations

Name: Section 104(E) Ref Litigation
Lead: Federal Enforcement
Qualifier:
Start Date: 09/27/2007 Operable Unit ID: 00
Completion Date: 07/28/2008
Fin Budget Src: Enforcement

Name: Unilateral Administrative Order
Lead: Federal Enforcement
Qualifier:
Start Date: Operable Unit ID: 00
Completion Date: 09/05/2008
Fin Budget Src: Enforcement

Name: Unilateral Administrative Order
Lead: Federal Enforcement
Qualifier:
Start Date: Operable Unit ID: 00
Completion Date: 09/05/2008
Fin Budget Src: Enforcement

Name: Administrative Order on Consent
Lead: Federal Enforcement
Qualifier:
Start Date: Operable Unit ID: 04
Completion Date: 09/08/2008
Fin Budget Src: Enforcement

Name: PRP Remedial Investigation/Feasibility Study
Lead: Responsible Party
Qualifier:
Start Date: 09/08/2008 Operable Unit ID: 04
Completion Date:
Fin Budget Src: Remedial

Name: RI/FS Negotiations
Start Date: 02/04/2002 Operable Unit ID: 04

Lead:	Federal Enforcement	Completion Date: 09/08/2008		
Qualifier:		Fin Budget Src: Enforcement		
Name:	Unilateral Administrative Order	Start Date:		Operable Unit ID: 00
Lead:	Federal Enforcement	Completion Date: 09/11/2008		
Qualifier:		Fin Budget Src: Enforcement		
Name:	Unilateral Administrative Order	Start Date:		Operable Unit ID: 00
Lead:	Federal Enforcement	Completion Date: 10/14/2008		
Qualifier:		Fin Budget Src: Enforcement		
Name:	Unilateral Administrative Order	Start Date:		Operable Unit ID: 00
Lead:	Federal Enforcement	Completion Date: 02/03/2009		
Qualifier:		Fin Budget Src: Enforcement		
Name:	Remedial Action	Start Date:	05/09/2008	Operable Unit ID: 02
Lead:	Special Account Financed Action − EPA	Completion Date: 11/24/2009		
Qualifier:	Final RA Report	Fin Budget Src: Remedial		
Name:	Remedial Action	Start Date:	12/04/2008	Operable Unit ID: 02
Lead:	EPA Fund−Financed	Completion Date: 12/23/2009		
Qualifier:	Final RA Report	Fin Budget Src: Remedial		
Name:	PRP Remedial Action	Start Date:	12/31/2010	Operable Unit ID: 02
Lead:	Responsible Party	Completion Date:		
Qualifier:		Fin Budget Src: Remedial		
Name:	PRP Remedial Design	Start Date:	08/14/2003	Operable Unit ID: 02
Lead:	Responsible Party	Completion Date: 04/26/2011		
Qualifier:		Fin Budget Src: Remedial		

FINANCIAL INFORMATION

Action Name:	Combined RI/FS	Financial ID:	0001
Financial Type:	Actual Obligation	Date:	03/30/1984
Budget Source:	Remedial	Amount:	$131000
Action Name:	Remedial Design	Financial ID:	0001
Financial Type:	Actual Obligation	Date:	09/28/1984
Budget Source:	Remedial	Amount:	$359539
Action Name:	Combined RI/FS	Financial ID:	0002
Financial Type:	Actual Obligation	Date:	08/14/1985
Budget Source:	Remedial	Amount:	$13460
Action Name:	Remedial Design	Financial ID:	0002
Financial Type:	Commitment	Date:	01/30/1989

Budget Source: Remedial
Amount: $100000

Action Name: Remedial Design
Financial Type: Open Commitment
Budget Source: Remedial
Financial ID: 0001
Date: 01/30/1989
Amount: $100000

Action Name: Remedial Design
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0001
Date: 02/02/1989
Amount: $100000

Action Name: Remedial Design
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0003
Date: 04/28/1989
Amount: $350000

Action Name: Remedial Design
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0002
Date: 10/02/1989
Amount: $100000

Action Name: PRP Remedial Design
Financial Type: Commitment
Budget Source: Remedial
Financial ID: 0002
Date: 03/20/1990
Amount: $40000

Action Name: PRP Remedial Design
Financial Type: Open Commitment
Budget Source: Remedial
Financial ID: 0001
Date: 03/20/1990
Amount: $40000

Action Name: PRP Remedial Design
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0001
Date: 05/22/1990
Amount: $40000

Action Name: Combined RI/FS
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0001
Date: 07/25/1990
Amount: $500000

Action Name: PRP Remedial Action
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0001
Date: 09/25/1990
Amount: $60000

Action Name: PRP Remedial Action
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0002
Date: 09/29/1990
Amount: $49500

Action Name: PRP Remedial Action
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0003
Date: 09/30/1990
Amount: $150000

Action Name: Combined RI/FS
Financial ID: 0004

Financial Type: Commitment
Budget Source: Remedial
Date: 02/12/1991
Amount: $1000000

Action Name: Combined RI/FS
Financial Type: Open Commitment
Budget Source: Remedial
Financial ID: 0001
Date: 02/12/1991
Amount: $1000000

Action Name: Combined RI/FS
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0024
Date: 05/07/1991
Amount: $1000000

Action Name: State Support Agency Cooperative Agreement
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0001
Date: 09/22/1991
Amount: $80000

Action Name: PRP Remedial Action
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0001
Date: 09/25/1991
Amount: $50000

Action Name: Combined RI/FS
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0019
Date: 09/30/1991
Amount: $750000

Action Name: Combined RI/FS
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0023
Date: 09/30/1991
Amount: $500000

Action Name: Combined RI/FS
Financial Type: Commitment
Budget Source: Remedial
Financial ID: 0017
Date: 08/24/1992
Amount: $2540000

Action Name: Combined RI/FS
Financial Type: Open Commitment
Budget Source: Remedial
Financial ID: 0002
Date: 08/24/1992
Amount: $2540000

Action Name: Combined RI/FS
Financial Type: Commitment
Budget Source: Remedial
Financial ID: 0016
Date: 09/25/1992
Amount: $767003

Action Name: Combined RI/FS
Financial Type: Open Commitment
Budget Source: Remedial
Financial ID: 0003
Date: 09/25/1992
Amount: $767003

Action Name: Combined RI/FS
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0020
Date: 09/30/1992
Amount: $2540000

Action Name:	Combined RI/FS	Financial ID:	0021
Financial Type:	Actual Obligation	Date:	09/30/1992
Budget Source:	Remedial	Amount:	$767003
Action Name:	State Support Agency Cooperative Agreement	Financial ID:	0004
Financial Type:	Actual Obligation	Date:	09/24/1993
Budget Source:	Remedial	Amount:	$133996
Action Name:	Combined RI/FS	Financial ID:	0002
Financial Type:	Actual Obligation	Date:	09/30/1993
Budget Source:	Remedial	Amount:	$100000
Action Name:	Combined RI/FS	Financial ID:	0003
Financial Type:	Actual Obligation	Date:	09/30/1993
Budget Source:	Remedial	Amount:	$250000
Action Name:	Combined RI/FS	Financial ID:	0022
Financial Type:	Actual Obligation	Date:	09/30/1993
Budget Source:	Remedial	Amount:	$3452457
Action Name:	Combined RI/FS	Financial ID:	0018
Financial Type:	Actual Obligation	Date:	01/25/1994
Budget Source:	Remedial	Amount:	$340000
Action Name:	Combined RI/FS	Financial ID:	0010
Financial Type:	Actual Obligation	Date:	08/31/1994
Budget Source:	Remedial	Amount:	$419042
Action Name:	State Support Agency Cooperative Agreement	Financial ID:	0002
Financial Type:	Actual Obligation	Date:	09/29/1994
Budget Source:	Remedial	Amount:	$36400
Action Name:	Combined RI/FS	Financial ID:	0011
Financial Type:	Actual Obligation	Date:	09/30/1994
Budget Source:	Remedial	Amount:	$580958
Action Name:	Combined RI/FS	Financial ID:	0015
Financial Type:	Commitment	Date:	02/10/1995
Budget Source:	Remedial	Amount:	$70000
Action Name:	Combined RI/FS	Financial ID:	0004
Financial Type:	Open Commitment	Date:	02/10/1995
Budget Source:	Remedial	Amount:	$70000
Action Name:	Combined RI/FS	Financial ID:	0009
Financial Type:	Actual Obligation	Date:	02/28/1995
Budget Source:	Remedial	Amount:	$70000

Action Name:	State Support Agency Cooperative Agreement	Financial ID:	0003
Financial Type:	Actual Obligation	Date:	04/06/1995
Budget Source:	Remedial	Amount:	$60000
Action Name:	Combined RI/FS	Financial ID:	0007
Financial Type:	Actual Obligation	Date:	06/21/1995
Budget Source:	Remedial	Amount:	$110000
Action Name:	Combined RI/FS	Financial ID:	0008
Financial Type:	Actual Obligation	Date:	06/30/1995
Budget Source:	Remedial	Amount:	$1900000
Action Name:	Combined RI/FS	Financial ID:	0014
Financial Type:	Commitment	Date:	08/07/1995
Budget Source:	Remedial	Amount:	$50000
Action Name:	Combined RI/FS	Financial ID:	0005
Financial Type:	Open Commitment	Date:	08/07/1995
Budget Source:	Remedial	Amount:	$50000
Action Name:	Combined RI/FS	Financial ID:	0006
Financial Type:	Actual Obligation	Date:	09/27/1995
Budget Source:	Remedial	Amount:	$50000
Action Name:	Technical Assistance Grant	Financial ID:	0001
Financial Type:	Actual Obligation	Date:	09/29/1995
Budget Source:	Remedial	Amount:	$50000
Action Name:	Combined RI/FS	Financial ID:	0013
Financial Type:	Commitment	Date:	03/13/1996
Budget Source:	Remedial	Amount:	$1000000
Action Name:	Combined RI/FS	Financial ID:	0006
Financial Type:	Open Commitment	Date:	03/13/1996
Budget Source:	Remedial	Amount:	$1000000
Action Name:	Combined RI/FS	Financial ID:	0030
Financial Type:	Decommitment	Date:	03/13/1996
Budget Source:	Remedial	Amount:	$1000000
Action Name:	Combined RI/FS	Financial ID:	0005
Financial Type:	Actual Obligation	Date:	03/13/1996
Budget Source:	Remedial	Amount:	$1000000
Action Name:	Combined RI/FS	Financial ID:	0001
Financial Type:	Deobligation	Date:	07/15/1996

Budget Source: Remedial Amount: $1500000

Action Name: Combined RI/FS Financial ID: 0018
Financial Type: Commitment Date: 08/28/1996
Budget Source: Remedial Amount: $1500000

Action Name: Combined RI/FS Financial ID: 0019
Financial Type: Commitment Date: 09/21/1996
Budget Source: Remedial Amount: $1792845

Action Name: Combined RI/FS Financial ID: 0001
Financial Type: Decommitment Date: 09/25/1996
Budget Source: Remedial Amount: $1500000

Action Name: Combined RI/FS Financial ID: 0025
Financial Type: Actual Obligation Date: 09/25/1996
Budget Source: Remedial Amount: $1500000

Action Name: Combined RI/FS Financial ID: 0028
Financial Type: Decommitment Date: 09/28/1996
Budget Source: Remedial Amount: $1792845

Action Name: Combined RI/FS Financial ID: 0029
Financial Type: Actual Obligation Date: 09/28/1996
Budget Source: Remedial Amount: $1792845

Action Name: Combined RI/FS Financial ID: 0029
Financial Type: Deobligation Date: 05/14/1997
Budget Source: Remedial Amount: $23018

Action Name: Combined RI/FS Financial ID: 0030
Financial Type: Deobligation Date: 05/14/1997
Budget Source: Remedial Amount: $9849

Action Name: Combined RI/FS Financial ID: 0002
Financial Type: Deobligation Date: 06/19/1997
Budget Source: Remedial Amount: $159393

Action Name: Combined RI/FS Financial ID: 0003
Financial Type: Deobligation Date: 06/19/1997
Budget Source: Remedial Amount: $312386

Action Name: Combined RI/FS Financial ID: 0031
Financial Type: Deobligation Date: 06/19/1997
Budget Source: Remedial Amount: $244817

Action Name: Combined RI/FS Financial ID: 0001

Financial Type: Extramural Outlay (Payment) Date: 06/19/1997
Budget Source: Remedial Amount: $159393

Action Name: Combined RI/FS Financial ID: 0002
Financial Type: Extramural Outlay (Payment) Date: 06/19/1997
Budget Source: Remedial Amount: $312386

Action Name: Combined RI/FS Financial ID: 0004
Financial Type: Deobligation Date: 08/08/1997
Budget Source: Remedial Amount: $3776

Action Name: Combined RI/FS Financial ID: 0003
Financial Type: Extramural Outlay (Payment) Date: 08/08/1997
Budget Source: Remedial Amount: $3776

Action Name: Combined RI/FS Financial ID: 0020
Financial Type: Commitment Date: 09/04/1997
Budget Source: Remedial Amount: $600000

Action Name: Combined RI/FS Financial ID: 0005
Financial Type: Deobligation Date: 09/16/1997
Budget Source: Remedial Amount: $4571

Action Name: Combined RI/FS Financial ID: 0004
Financial Type: Extramural Outlay (Payment) Date: 09/16/1997
Budget Source: Remedial Amount: $4571

Action Name: Technical Assistence Financial ID: 0001
Financial Type: Commitment Date: 09/24/1997
Budget Source: Remedial Amount: $80000

Action Name: Combined RI/FS Financial ID: 0031
Financial Type: Decommitment Date: 09/26/1997
Budget Source: Remedial Amount: $600000

Action Name: Combined RI/FS Financial ID: 0030
Financial Type: Actual Obligation Date: 09/26/1997
Budget Source: Remedial Amount: $600000

Action Name: Technical Assistence Financial ID: 0001
Financial Type: Decommitment Date: 09/30/1997
Budget Source: Remedial Amount: $80000

Action Name: Technical Assistence Financial ID: 0001
Financial Type: Actual Obligation Date: 09/30/1997
Budget Source: Remedial Amount: $80000

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0006
Date: 10/14/1997
Amount: $120737

Action Name: Combined RI/FS
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0005
Date: 10/14/1997
Amount: $120737

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0007
Date: 10/31/1997
Amount: $520

Action Name: Combined RI/FS
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0006
Date: 10/31/1997
Amount: $520

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0008
Date: 01/05/1998
Amount: $7078

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0009
Date: 01/05/1998
Amount: $283782

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0010
Date: 01/05/1998
Amount: $107986

Action Name: Combined RI/FS
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0007
Date: 01/05/1998
Amount: $283782

Action Name: Combined RI/FS
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0008
Date: 01/05/1998
Amount: $107986

Action Name: Combined RI/FS
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0009
Date: 01/05/1998
Amount: $7078

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0011
Date: 04/07/1998
Amount: $13861

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0012
Date: 04/07/1998
Amount: $1594

Action Name:	Combined RI/FS	Financial ID:	0013
Financial Type:	Deobligation	Date:	04/07/1998
Budget Source:	Remedial	Amount:	$1472
Action Name:	Combined RI/FS	Financial ID:	0010
Financial Type:	Extramural Outlay (Payment)	Date:	04/07/1998
Budget Source:	Remedial	Amount:	$13861
Action Name:	Combined RI/FS	Financial ID:	0011
Financial Type:	Extramural Outlay (Payment)	Date:	04/07/1998
Budget Source:	Remedial	Amount:	$1594
Action Name:	Combined RI/FS	Financial ID:	0012
Financial Type:	Extramural Outlay (Payment)	Date:	04/07/1998
Budget Source:	Remedial	Amount:	$1472
Action Name:	Combined RI/FS	Financial ID:	0021
Financial Type:	Commitment	Date:	04/10/1998
Budget Source:	Remedial	Amount:	$700000
Action Name:	Combined RI/FS	Financial ID:	0014
Financial Type:	Deobligation	Date:	05/19/1998
Budget Source:	Remedial	Amount:	$8366
Action Name:	Combined RI/FS	Financial ID:	0015
Financial Type:	Deobligation	Date:	05/19/1998
Budget Source:	Remedial	Amount:	$128644
Action Name:	Combined RI/FS	Financial ID:	0016
Financial Type:	Deobligation	Date:	05/19/1998
Budget Source:	Remedial	Amount:	$4041
Action Name:	Combined RI/FS	Financial ID:	0013
Financial Type:	Extramural Outlay (Payment)	Date:	05/19/1998
Budget Source:	Remedial	Amount:	$8366
Action Name:	Combined RI/FS	Financial ID:	0014
Financial Type:	Extramural Outlay (Payment)	Date:	05/19/1998
Budget Source:	Remedial	Amount:	$128644
Action Name:	Combined RI/FS	Financial ID:	0015
Financial Type:	Extramural Outlay (Payment)	Date:	05/19/1998
Budget Source:	Remedial	Amount:	$4041
Action Name:	Technical Assistence	Financial ID:	0001
Financial Type:	Deobligation	Date:	05/20/1998

Budget Source: Remedial
Amount: $80000

Action Name: Technical Assistence
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0001
Date: 05/20/1998
Amount: $80000

Action Name: Combined RI/FS
Financial Type: Decommitment
Budget Source: Remedial
Financial ID: 0032
Date: 07/01/1998
Amount: $700000

Action Name: Combined RI/FS
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0031
Date: 07/01/1998
Amount: $700000

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0017
Date: 07/06/1998
Amount: $9150

Action Name: Combined RI/FS
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0016
Date: 07/06/1998
Amount: $9150

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0018
Date: 07/08/1998
Amount: $6195

Action Name: Combined RI/FS
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0017
Date: 07/08/1998
Amount: $6195

Action Name: PRP Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0001
Date: 07/30/1998
Amount: $11966

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0026
Date: 07/30/1998
Amount: $193567

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0027
Date: 07/30/1998
Amount: $20479

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0001
Date: 07/30/1998
Amount: $3182

Action Name: Remedial Design
Financial ID: 0002

Financial Type: Deobligation
Budget Source: Remedial
Date: 07/30/1998
Amount: $3763

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0019
Date: 08/26/1998
Amount: $6075

Action Name: Combined RI/FS
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0018
Date: 08/26/1998
Amount: $6075

Action Name: Combined RI/FS
Financial Type: Commitment
Budget Source: Remedial
Financial ID: 0022
Date: 09/03/1998
Amount: $252

Action Name: Combined RI/FS
Financial Type: Decommitment
Budget Source: Remedial
Financial ID: 0033
Date: 09/17/1998
Amount: $252

Action Name: Combined RI/FS
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0032
Date: 09/17/1998
Amount: $252

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0020
Date: 09/17/1998
Amount: $10303

Action Name: Combined RI/FS
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0019
Date: 09/17/1998
Amount: $10303

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0021
Date: 09/21/1998
Amount: $4389

Action Name: Combined RI/FS
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0020
Date: 09/21/1998
Amount: $4389

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0022
Date: 09/24/1998
Amount: $5557

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0023
Date: 09/24/1998
Amount: $116100

Action Name:	Combined RI/FS	Financial ID:	0021
Financial Type:	Extramural Outlay (Payment)	Date:	09/24/1998
Budget Source:	Remedial	Amount:	$5557
Action Name:	Combined RI/FS	Financial ID:	0022
Financial Type:	Extramural Outlay (Payment)	Date:	09/24/1998
Budget Source:	Remedial	Amount:	$116100
Action Name:	State Support Agency Cooperative Agreement	Financial ID:	0001
Financial Type:	Commitment	Date:	09/28/1998
Budget Source:	Remedial	Amount:	$150100
Action Name:	State Support Agency Cooperative Agreement	Financial ID:	0002
Financial Type:	Commitment	Date:	09/28/1998
Budget Source:	Remedial	Amount:	$100000
Action Name:	State Support Agency Cooperative Agreement	Financial ID:	0001
Financial Type:	Decommitment	Date:	09/30/1998
Budget Source:	Remedial	Amount:	$150100
Action Name:	State Support Agency Cooperative Agreement	Financial ID:	0002
Financial Type:	Decommitment	Date:	09/30/1998
Budget Source:	Remedial	Amount:	$100000
Action Name:	State Support Agency Cooperative Agreement	Financial ID:	0005
Financial Type:	Actual Obligation	Date:	09/30/1998
Budget Source:	Remedial	Amount:	$150100
Action Name:	State Support Agency Cooperative Agreement	Financial ID:	0006
Financial Type:	Actual Obligation	Date:	09/30/1998
Budget Source:	Remedial	Amount:	$100000
Action Name:	Combined RI/FS	Financial ID:	0024
Financial Type:	Deobligation	Date:	10/06/1998
Budget Source:	Remedial	Amount:	$3383
Action Name:	Combined RI/FS	Financial ID:	0023
Financial Type:	Extramural Outlay (Payment)	Date:	10/06/1998
Budget Source:	Remedial	Amount:	$3383
Action Name:	Combined RI/FS	Financial ID:	0025
Financial Type:	Deobligation	Date:	10/21/1998
Budget Source:	Remedial	Amount:	$3984
Action Name:	Combined RI/FS	Financial ID:	0024
Financial Type:	Extramural Outlay (Payment)	Date:	10/21/1998
Budget Source:	Remedial	Amount:	$3984

Action Name:	Combined RI/FS	Financial ID:	0028
Financial Type:	Deobligation	Date:	12/01/1998
Budget Source:	Remedial	Amount:	$14960
Action Name:	Combined RI/FS	Financial ID:	0025
Financial Type:	Extramural Outlay (Payment)	Date:	12/01/1998
Budget Source:	Remedial	Amount:	$14960
Action Name:	Combined RI/FS	Financial ID:	0032
Financial Type:	Deobligation	Date:	12/15/1998
Budget Source:	Remedial	Amount:	$119764
Action Name:	Combined RI/FS	Financial ID:	0026
Financial Type:	Extramural Outlay (Payment)	Date:	12/15/1998
Budget Source:	Remedial	Amount:	$119764
Action Name:	Combined RI/FS	Financial ID:	0033
Financial Type:	Deobligation	Date:	12/16/1998
Budget Source:	Remedial	Amount:	$81643
Action Name:	Combined RI/FS	Financial ID:	0034
Financial Type:	Deobligation	Date:	12/16/1998
Budget Source:	Remedial	Amount:	$146864
Action Name:	Combined RI/FS	Financial ID:	0027
Financial Type:	Extramural Outlay (Payment)	Date:	12/16/1998
Budget Source:	Remedial	Amount:	$146864
Action Name:	Combined RI/FS	Financial ID:	0028
Financial Type:	Extramural Outlay (Payment)	Date:	12/16/1998
Budget Source:	Remedial	Amount:	$81643
Action Name:	Combined RI/FS	Financial ID:	0035
Financial Type:	Deobligation	Date:	12/29/1998
Budget Source:	Remedial	Amount:	$35387
Action Name:	Combined RI/FS	Financial ID:	0029
Financial Type:	Extramural Outlay (Payment)	Date:	12/29/1998
Budget Source:	Remedial	Amount:	$35387
Action Name:	Combined RI/FS	Financial ID:	0036
Financial Type:	Deobligation	Date:	02/02/1999
Budget Source:	Remedial	Amount:	$6265
Action Name:	Combined RI/FS	Financial ID:	0030
Financial Type:	Extramural Outlay (Payment)	Date:	02/02/1999

Budget Source: Remedial
Amount: $6265

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0037
Date: 02/09/1999
Amount: $102338

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0038
Date: 02/09/1999
Amount: $97995

Action Name: Combined RI/FS
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0031
Date: 02/09/1999
Amount: $102338

Action Name: Combined RI/FS
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0032
Date: 02/09/1999
Amount: $97995

Action Name: Combined RI/FS
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0035
Date: 02/16/1999
Amount: $288

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0049
Date: 02/18/1999
Amount: $540

Action Name: Combined RI/FS
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0043
Date: 02/18/1999
Amount: $540

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0039
Date: 02/26/1999
Amount: $8665

Action Name: Combined RI/FS
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0033
Date: 02/26/1999
Amount: $8665

Action Name: Removal Assessment
Financial Type: Actual Obligation
Budget Source: Removal
Financial ID: 0004
Date: 03/01/1999
Amount: $2186

Action Name: Removal Assessment
Financial Type: Deobligation
Budget Source: Removal
Financial ID: 0002
Date: 03/01/1999
Amount: $2186

Action Name: Removal Assessment
Financial ID: 0001

Financial Type: Deobligation
Budget Source: Removal
Date: 03/01/1999
Amount: $1637

Action Name: Removal Assessment
Financial Type: Extramural Outlay (Payment)
Budget Source: Removal
Financial ID: 0004
Date: 03/01/1999
Amount: $2186

Action Name: Removal Assessment
Financial Type: Extramural Outlay (Payment)
Budget Source: Removal
Financial ID: 0001
Date: 03/01/1999
Amount: $1637

Action Name: Removal Assessment
Financial Type: Actual Obligation
Budget Source: Removal
Financial ID: 0002
Date: 03/04/1999
Amount: $1637

Action Name: Removal Assessment
Financial Type: Actual Obligation
Budget Source: Removal
Financial ID: 0001
Date: 03/12/1999
Amount: $3792

Action Name: Removal Assessment
Financial Type: Deobligation
Budget Source: Removal
Financial ID: 0005
Date: 03/12/1999
Amount: $3792

Action Name: Removal Assessment
Financial Type: Extramural Outlay (Payment)
Budget Source: Removal
Financial ID: 0005
Date: 03/12/1999
Amount: $3792

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0040
Date: 03/30/1999
Amount: $17021

Action Name: Combined RI/FS
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0034
Date: 03/30/1999
Amount: $17021

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0041
Date: 04/02/1999
Amount: $623341

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0042
Date: 04/02/1999
Amount: $105654

Action Name: Combined RI/FS
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0035
Date: 04/02/1999
Amount: $623341

Action Name:	Combined RI/FS	Financial ID:	0036
Financial Type:	Extramural Outlay (Payment)	Date:	04/02/1999
Budget Source:	Remedial	Amount:	$105654
Action Name:	Combined RI/FS	Financial ID:	0043
Financial Type:	Deobligation	Date:	04/16/1999
Budget Source:	Remedial	Amount:	$34530
Action Name:	Combined RI/FS	Financial ID:	0037
Financial Type:	Extramural Outlay (Payment)	Date:	04/16/1999
Budget Source:	Remedial	Amount:	$34530
Action Name:	Combined RI/FS	Financial ID:	0033
Financial Type:	Actual Obligation	Date:	04/21/1999
Budget Source:	Remedial	Amount:	$8052
Action Name:	Combined RI/FS	Financial ID:	0044
Financial Type:	Deobligation	Date:	04/21/1999
Budget Source:	Remedial	Amount:	$8052
Action Name:	Combined RI/FS	Financial ID:	0038
Financial Type:	Extramural Outlay (Payment)	Date:	04/21/1999
Budget Source:	Remedial	Amount:	$8052
Action Name:	Combined RI/FS	Financial ID:	0045
Financial Type:	Deobligation	Date:	04/29/1999
Budget Source:	Remedial	Amount:	$18981
Action Name:	Combined RI/FS	Financial ID:	0039
Financial Type:	Extramural Outlay (Payment)	Date:	04/29/1999
Budget Source:	Remedial	Amount:	$18981
Action Name:	Combined RI/FS	Financial ID:	0046
Financial Type:	Deobligation	Date:	05/04/1999
Budget Source:	Remedial	Amount:	$226604
Action Name:	Combined RI/FS	Financial ID:	0040
Financial Type:	Extramural Outlay (Payment)	Date:	05/04/1999
Budget Source:	Remedial	Amount:	$226604
Action Name:	Removal Assessment	Financial ID:	0005
Financial Type:	Actual Obligation	Date:	05/12/1999
Budget Source:	Removal	Amount:	$4036
Action Name:	Removal Assessment	Financial ID:	0001
Financial Type:	Actual Obligation	Date:	05/12/1999
Budget Source:	Removal	Amount:	$11

Action Name:	Removal Assessment	Financial ID:	0004
Financial Type:	Deobligation	Date:	05/12/1999
Budget Source:	Removal	Amount:	$4036
Action Name:	Removal Assessment	Financial ID:	0002
Financial Type:	Deobligation	Date:	05/12/1999
Budget Source:	Removal	Amount:	$11
Action Name:	Removal Assessment	Financial ID:	0003
Financial Type:	Extramural Outlay (Payment)	Date:	05/12/1999
Budget Source:	Removal	Amount:	$4036
Action Name:	Removal Assessment	Financial ID:	0001
Financial Type:	Extramural Deoutlay (Credit)	Date:	05/12/1999
Budget Source:	Removal	Amount:	$11
Action Name:	Removal Assessment	Financial ID:	0002
Financial Type:	Actual Obligation	Date:	05/26/1999
Budget Source:	Removal	Amount:	$11834
Action Name:	Combined RI/FS	Financial ID:	0047
Financial Type:	Deobligation	Date:	05/26/1999
Budget Source:	Remedial	Amount:	$17303
Action Name:	Removal Assessment	Financial ID:	0001
Financial Type:	Deobligation	Date:	05/26/1999
Budget Source:	Removal	Amount:	$11834
Action Name:	Combined RI/FS	Financial ID:	0041
Financial Type:	Extramural Outlay (Payment)	Date:	05/26/1999
Budget Source:	Remedial	Amount:	$17303
Action Name:	Removal Assessment	Financial ID:	0001
Financial Type:	Extramural Outlay (Payment)	Date:	05/26/1999
Budget Source:	Removal	Amount:	$11834
Action Name:	Combined RI/FS	Financial ID:	0023
Financial Type:	Commitment	Date:	06/03/1999
Budget Source:	Remedial	Amount:	$1500000
Action Name:	State Support Agency Cooperative Agreement	Financial ID:	0001
Financial Type:	Deobligation	Date:	06/03/1999
Budget Source:	Remedial	Amount:	$150100
Action Name:	State Support Agency Cooperative Agreement	Financial ID:	0001
Financial Type:	Extramural Outlay (Payment)	Date:	06/03/1999

Budget Source: Remedial Amount: $150100

Action Name: Removal Assessment Financial ID: 0003
Financial Type: Actual Obligation Date: 06/09/1999
Budget Source: Removal Amount: $401

Action Name: Removal Assessment Financial ID: 0003
Financial Type: Deobligation Date: 06/09/1999
Budget Source: Removal Amount: $401

Action Name: Removal Assessment Financial ID: 0002
Financial Type: Extramural Outlay (Payment) Date: 06/09/1999
Budget Source: Removal Amount: $401

Action Name: Combined RI/FS Financial ID: 0048
Financial Type: Deobligation Date: 06/16/1999
Budget Source: Remedial Amount: $77348

Action Name: Combined RI/FS Financial ID: 0042
Financial Type: Extramural Outlay (Payment) Date: 06/16/1999
Budget Source: Remedial Amount: $77348

Action Name: Combined RI/FS Financial ID: 0034
Financial Type: Decommitment Date: 06/22/1999
Budget Source: Remedial Amount: $1500000

Action Name: Combined RI/FS Financial ID: 0034
Financial Type: Actual Obligation Date: 06/22/1999
Budget Source: Remedial Amount: $1500000

Action Name: Combined RI/FS Financial ID: 0050
Financial Type: Deobligation Date: 06/29/1999
Budget Source: Remedial Amount: $33288

Action Name: Combined RI/FS Financial ID: 0044
Financial Type: Extramural Outlay (Payment) Date: 06/29/1999
Budget Source: Remedial Amount: $33288

Action Name: Combined RI/FS Financial ID: 0051
Financial Type: Deobligation Date: 08/02/1999
Budget Source: Remedial Amount: $6154

Action Name: Combined RI/FS Financial ID: 0045
Financial Type: Extramural Outlay (Payment) Date: 08/02/1999
Budget Source: Remedial Amount: $6154

Action Name: Combined RI/FS Financial ID: 0052

Financial Type: Deobligation
Budget Source: Remedial
Date: 08/03/1999
Amount: $314567

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0053
Date: 08/03/1999
Amount: $63605

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0054
Date: 08/03/1999
Amount: $6920

Action Name: Combined RI/FS
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0046
Date: 08/03/1999
Amount: $314567

Action Name: Combined RI/FS
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0047
Date: 08/03/1999
Amount: $6920

Action Name: Combined RI/FS
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0048
Date: 08/03/1999
Amount: $63605

Action Name: Removal Assessment
Financial Type: Actual Obligation
Budget Source: Removal
Financial ID: 0007
Date: 08/09/1999
Amount: $82

Action Name: Removal Assessment
Financial Type: Deobligation
Budget Source: Removal
Financial ID: 0006
Date: 08/09/1999
Amount: $82

Action Name: Removal Assessment
Financial Type: Extramural Outlay (Payment)
Budget Source: Removal
Financial ID: 0006
Date: 08/09/1999
Amount: $82

Action Name: State Support Agency Cooperative Agreement
Financial Type: Commitment
Budget Source: Remedial
Financial ID: 0003
Date: 08/18/1999
Amount: $20000

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0055
Date: 09/02/1999
Amount: $22733

Action Name: Combined RI/FS
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0049
Date: 09/02/1999
Amount: $22733

Action Name:	Combined RI/FS	Financial ID:	0056
Financial Type:	Deobligation	Date:	09/03/1999
Budget Source:	Remedial	Amount:	$14118
Action Name:	Combined RI/FS	Financial ID:	0050
Financial Type:	Extramural Outlay (Payment)	Date:	09/03/1999
Budget Source:	Remedial	Amount:	$14118
Action Name:	Removal Assessment	Financial ID:	0001
Financial Type:	Actual Obligation	Date:	09/15/1999
Budget Source:	Removal	Amount:	$1982
Action Name:	Removal Assessment	Financial ID:	0006
Financial Type:	Actual Obligation	Date:	09/15/1999
Budget Source:	Removal	Amount:	$7496
Action Name:	Removal Assessment	Financial ID:	0001
Financial Type:	Deobligation	Date:	09/15/1999
Budget Source:	Removal	Amount:	$1982
Action Name:	Removal Assessment	Financial ID:	0007
Financial Type:	Deobligation	Date:	09/15/1999
Budget Source:	Removal	Amount:	$7496
Action Name:	Removal Assessment	Financial ID:	0001
Financial Type:	Extramural Outlay (Payment)	Date:	09/15/1999
Budget Source:	Removal	Amount:	$1982
Action Name:	Removal Assessment	Financial ID:	0005
Financial Type:	Extramural Outlay (Payment)	Date:	09/15/1999
Budget Source:	Removal	Amount:	$7496
Action Name:	State Support Agency Cooperative Agreement	Financial ID:	0004
Financial Type:	Commitment	Date:	09/16/1999
Budget Source:	Remedial	Amount:	$160000
Action Name:	State Support Agency Cooperative Agreement	Financial ID:	0003
Financial Type:	Decommitment	Date:	09/21/1999
Budget Source:	Remedial	Amount:	$160000
Action Name:	State Support Agency Cooperative Agreement	Financial ID:	0004
Financial Type:	Decommitment	Date:	09/21/1999
Budget Source:	Remedial	Amount:	$20000
Action Name:	State Support Agency Cooperative Agreement	Financial ID:	0007
Financial Type:	Actual Obligation	Date:	09/21/1999
Budget Source:	Remedial	Amount:	$160000

Action Name: State Support Agency Cooperative Agreement
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0008
Date: 09/21/1999
Amount: $20000

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0057
Date: 09/23/1999
Amount: $8

Action Name: Combined RI/FS
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0051
Date: 09/23/1999
Amount: $8

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0058
Date: 09/27/1999
Amount: $66984

Action Name: Combined RI/FS
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0052
Date: 09/27/1999
Amount: $66984

Action Name: Removal
Financial Type: Commitment
Budget Source: Removal
Financial ID: 0001
Date: 09/30/1999
Amount: $1000000

Action Name: Removal
Financial Type: Decommitment
Budget Source: Removal
Financial ID: 0001
Date: 09/30/1999
Amount: $1000000

Action Name: Removal
Financial Type: Actual Obligation
Budget Source: Removal
Financial ID: 0001
Date: 09/30/1999
Amount: $1000000

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0059
Date: 09/30/1999
Amount: $59246

Action Name: Combined RI/FS
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0053
Date: 09/30/1999
Amount: $59246

Action Name: Removal Assessment
Financial Type: Actual Obligation
Budget Source: Removal
Financial ID: 0004
Date: 10/13/1999
Amount: $2836

Action Name: Removal Assessment
Financial Type: Actual Obligation
Financial ID: 0005
Date: 10/13/1999

Budget Source: Removal
Amount: $1417

Action Name: Removal Assessment
Financial Type: Deobligation
Budget Source: Removal
Financial ID: 0004
Date: 10/13/1999
Amount: $2836

Action Name: Removal Assessment
Financial Type: Deobligation
Budget Source: Removal
Financial ID: 0005
Date: 10/13/1999
Amount: $1417

Action Name: Removal Assessment
Financial Type: Extramural Outlay (Payment)
Budget Source: Removal
Financial ID: 0003
Date: 10/13/1999
Amount: $2836

Action Name: Removal Assessment
Financial Type: Extramural Outlay (Payment)
Budget Source: Removal
Financial ID: 0004
Date: 10/13/1999
Amount: $1417

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0060
Date: 11/26/1999
Amount: $4777

Action Name: Combined RI/FS
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0054
Date: 11/26/1999
Amount: $4777

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0061
Date: 12/07/1999
Amount: $77166

Action Name: Combined RI/FS
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0055
Date: 12/07/1999
Amount: $77166

Action Name: Removal
Financial Type: Deobligation
Budget Source: Removal
Financial ID: 0001
Date: 12/15/1999
Amount: $5995

Action Name: Removal
Financial Type: Extramural Outlay (Payment)
Budget Source: Removal
Financial ID: 0001
Date: 12/15/1999
Amount: $5995

Action Name: Combined RI/FS
Financial Type: Commitment
Budget Source: Remedial
Financial ID: 0024
Date: 12/17/1999
Amount: $1500000

Action Name: Combined RI/FS
Financial ID: 0062

Financial Type: Deobligation
Budget Source: Remedial
Date: 12/23/1999
Amount: $389684

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0063
Date: 12/23/1999
Amount: $77274

Action Name: Combined RI/FS
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0056
Date: 12/23/1999
Amount: $389684

Action Name: Combined RI/FS
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0057
Date: 12/23/1999
Amount: $77274

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0064
Date: 01/11/2000
Amount: $196078

Action Name: Combined RI/FS
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0058
Date: 01/11/2000
Amount: $196078

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0065
Date: 01/13/2000
Amount: $1716

Action Name: Combined RI/FS
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0059
Date: 01/13/2000
Amount: $1716

Action Name: Removal
Financial Type: Deobligation
Budget Source: Removal
Financial ID: 0002
Date: 01/18/2000
Amount: $102874

Action Name: Removal
Financial Type: Extramural Outlay (Payment)
Budget Source: Removal
Financial ID: 0002
Date: 01/18/2000
Amount: $102874

Action Name: Combined RI/FS
Financial Type: Decommitment
Budget Source: Remedial
Financial ID: 0035
Date: 02/01/2000
Amount: $1500000

Action Name: Combined RI/FS
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0036
Date: 02/01/2000
Amount: $1500000

Action Name:	Combined RI/FS	Financial ID:	0066
Financial Type:	Deobligation	Date:	02/04/2000
Budget Source:	Remedial	Amount:	$121415
Action Name:	Combined RI/FS	Financial ID:	0060
Financial Type:	Extramural Outlay (Payment)	Date:	02/04/2000
Budget Source:	Remedial	Amount:	$121415
Action Name:	Removal	Financial ID:	0003
Financial Type:	Deobligation	Date:	02/16/2000
Budget Source:	Removal	Amount:	$186845
Action Name:	Removal	Financial ID:	0003
Financial Type:	Extramural Outlay (Payment)	Date:	02/16/2000
Budget Source:	Removal	Amount:	$186845
Action Name:	Combined RI/FS	Financial ID:	0037
Financial Type:	Actual Obligation	Date:	02/25/2000
Budget Source:	Remedial	Amount:	$10177
Action Name:	Combined RI/FS	Financial ID:	0001
Financial Type:	Extramural Deoutlay (Credit)	Date:	02/25/2000
Budget Source:	Remedial	Amount:	$10177
Action Name:	Removal	Financial ID:	0004
Financial Type:	Deobligation	Date:	03/01/2000
Budget Source:	Removal	Amount:	$123995
Action Name:	Removal	Financial ID:	0004
Financial Type:	Extramural Outlay (Payment)	Date:	03/01/2000
Budget Source:	Removal	Amount:	$123995
Action Name:	Removal Assessment	Financial ID:	0003
Financial Type:	Actual Obligation	Date:	03/07/2000
Budget Source:	Removal	Amount:	$1217
Action Name:	Removal Assessment	Financial ID:	0003
Financial Type:	Deobligation	Date:	03/07/2000
Budget Source:	Removal	Amount:	$1217
Action Name:	Removal Assessment	Financial ID:	0002
Financial Type:	Extramural Outlay (Payment)	Date:	03/07/2000
Budget Source:	Removal	Amount:	$1217
Action Name:	Combined RI/FS	Financial ID:	0067
Financial Type:	Deobligation	Date:	03/22/2000
Budget Source:	Remedial	Amount:	$22726

Action Name:	Combined RI/FS	Financial ID:	0061
Financial Type:	Extramural Outlay (Payment)	Date:	03/22/2000
Budget Source:	Remedial	Amount:	$22726
Action Name:	Combined RI/FS	Financial ID:	0068
Financial Type:	Deobligation	Date:	03/24/2000
Budget Source:	Remedial	Amount:	$331472
Action Name:	Combined RI/FS	Financial ID:	0062
Financial Type:	Extramural Outlay (Payment)	Date:	03/24/2000
Budget Source:	Remedial	Amount:	$331472
Action Name:	Combined RI/FS	Financial ID:	0025
Financial Type:	Commitment	Date:	04/07/2000
Budget Source:	Remedial	Amount:	$700000
Action Name:	Removal	Financial ID:	0005
Financial Type:	Deobligation	Date:	04/11/2000
Budget Source:	Removal	Amount:	$265400
Action Name:	Removal	Financial ID:	0005
Financial Type:	Extramural Outlay (Payment)	Date:	04/11/2000
Budget Source:	Removal	Amount:	$265400
Action Name:	Combined RI/FS	Financial ID:	0069
Financial Type:	Deobligation	Date:	04/28/2000
Budget Source:	Remedial	Amount:	$9297
Action Name:	Combined RI/FS	Financial ID:	0063
Financial Type:	Extramural Outlay (Payment)	Date:	04/28/2000
Budget Source:	Remedial	Amount:	$9297
Action Name:	Combined RI/FS	Financial ID:	0038
Financial Type:	Actual Obligation	Date:	05/02/2000
Budget Source:	Remedial	Amount:	$0
Action Name:	Combined RI/FS	Financial ID:	0039
Financial Type:	Actual Obligation	Date:	05/02/2000
Budget Source:	Remedial	Amount:	$3732
Action Name:	Combined RI/FS	Financial ID:	0040
Financial Type:	Actual Obligation	Date:	05/02/2000
Budget Source:	Remedial	Amount:	$6057
Action Name:	Combined RI/FS	Financial ID:	0041
Financial Type:	Actual Obligation	Date:	05/02/2000

Budget Source: Remedial Amount: $8453

Action Name: Combined RI/FS Financial ID: 0070
Financial Type: Deobligation Date: 05/02/2000
Budget Source: Remedial Amount: $3945

Action Name: Combined RI/FS Financial ID: 0071
Financial Type: Deobligation Date: 05/02/2000
Budget Source: Remedial Amount: $8453

Action Name: Combined RI/FS Financial ID: 0072
Financial Type: Deobligation Date: 05/02/2000
Budget Source: Remedial Amount: $1972

Action Name: Combined RI/FS Financial ID: 0073
Financial Type: Deobligation Date: 05/02/2000
Budget Source: Remedial Amount: $1761

Action Name: Combined RI/FS Financial ID: 0074
Financial Type: Deobligation Date: 05/02/2000
Budget Source: Remedial Amount: $2114

Action Name: Combined RI/FS Financial ID: 0064
Financial Type: Extramural Outlay (Payment) Date: 05/02/2000
Budget Source: Remedial Amount: $3945

Action Name: Combined RI/FS Financial ID: 0065
Financial Type: Extramural Outlay (Payment) Date: 05/02/2000
Budget Source: Remedial Amount: $8453

Action Name: Combined RI/FS Financial ID: 0066
Financial Type: Extramural Outlay (Payment) Date: 05/02/2000
Budget Source: Remedial Amount: $1972

Action Name: Combined RI/FS Financial ID: 0067
Financial Type: Extramural Outlay (Payment) Date: 05/02/2000
Budget Source: Remedial Amount: $1761

Action Name: Combined RI/FS Financial ID: 0068
Financial Type: Extramural Outlay (Payment) Date: 05/02/2000
Budget Source: Remedial Amount: $2114

Action Name: Combined RI/FS Financial ID: 0002
Financial Type: Extramural Deoutlay (Credit) Date: 05/02/2000
Budget Source: Remedial Amount: $0

Action Name: Combined RI/FS Financial ID: 0003

Financial Type: Extramural Deoutlay (Credit) Date: 05/02/2000
Budget Source: Remedial Amount: $6057

Action Name: Combined RI/FS Financial ID: 0004
Financial Type: Extramural Deoutlay (Credit) Date: 05/02/2000
Budget Source: Remedial Amount: $8453

Action Name: Combined RI/FS Financial ID: 0005
Financial Type: Extramural Deoutlay (Credit) Date: 05/02/2000
Budget Source: Remedial Amount: $3732

Action Name: Removal Financial ID: 0006
Financial Type: Deobligation Date: 05/03/2000
Budget Source: Removal Amount: $203997

Action Name: Removal Financial ID: 0006
Financial Type: Extramural Outlay (Payment) Date: 05/03/2000
Budget Source: Removal Amount: $203997

Action Name: Combined RI/FS Financial ID: 0075
Financial Type: Deobligation Date: 05/11/2000
Budget Source: Remedial Amount: $123605

Action Name: Combined RI/FS Financial ID: 0069
Financial Type: Extramural Outlay (Payment) Date: 05/11/2000
Budget Source: Remedial Amount: $123605

Action Name: Combined RI/FS Financial ID: 0076
Financial Type: Deobligation Date: 05/23/2000
Budget Source: Remedial Amount: $32388

Action Name: Combined RI/FS Financial ID: 0070
Financial Type: Extramural Outlay (Payment) Date: 05/23/2000
Budget Source: Remedial Amount: $32388

Action Name: Combined RI/FS Financial ID: 0026
Financial Type: Commitment Date: 05/27/2000
Budget Source: Remedial Amount: $600000

Action Name: Combined RI/FS Financial ID: 0077
Financial Type: Deobligation Date: 05/30/2000
Budget Source: Remedial Amount: $650155

Action Name: Combined RI/FS Financial ID: 0078
Financial Type: Deobligation Date: 05/30/2000
Budget Source: Remedial Amount: $16236

Action Name: Combined RI/FS
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0071
Date: 05/30/2000
Amount: $650155

Action Name: Combined RI/FS
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0072
Date: 05/30/2000
Amount: $16236

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0079
Date: 06/01/2000
Amount: $188443

Action Name: Combined RI/FS
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0073
Date: 06/01/2000
Amount: $188443

Action Name: Removal
Financial Type: Deobligation
Budget Source: Removal
Financial ID: 0007
Date: 06/06/2000
Amount: $25156

Action Name: Removal
Financial Type: Extramural Outlay (Payment)
Budget Source: Removal
Financial ID: 0007
Date: 06/06/2000
Amount: $25156

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0080
Date: 06/07/2000
Amount: $44977

Action Name: Combined RI/FS
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0074
Date: 06/07/2000
Amount: $44977

Action Name: Combined RI/FS
Financial Type: Decommitment
Budget Source: Remedial
Financial ID: 0036
Date: 06/27/2000
Amount: $700000

Action Name: Combined RI/FS
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0042
Date: 06/27/2000
Amount: $700000

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0081
Date: 07/20/2000
Amount: $41237

Action Name: Combined RI/FS
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0075
Date: 07/20/2000
Amount: $41237

Action Name:	Combined RI/FS	Financial ID:	0082
Financial Type:	Deobligation	Date:	07/27/2000
Budget Source:	Remedial	Amount:	$20486
Action Name:	Combined RI/FS	Financial ID:	0076
Financial Type:	Extramural Outlay (Payment)	Date:	07/27/2000
Budget Source:	Remedial	Amount:	$20486
Action Name:	Combined RI/FS	Financial ID:	0037
Financial Type:	Decommitment	Date:	08/01/2000
Budget Source:	Remedial	Amount:	$600000
Action Name:	Combined RI/FS	Financial ID:	0043
Financial Type:	Actual Obligation	Date:	08/01/2000
Budget Source:	Remedial	Amount:	$600000
Action Name:	Combined RI/FS	Financial ID:	0027
Financial Type:	Commitment	Date:	08/02/2000
Budget Source:	Remedial	Amount:	$1300000
Action Name:	Combined RI/FS	Financial ID:	0083
Financial Type:	Deobligation	Date:	08/04/2000
Budget Source:	Remedial	Amount:	$342941
Action Name:	Combined RI/FS	Financial ID:	0077
Financial Type:	Extramural Outlay (Payment)	Date:	08/04/2000
Budget Source:	Remedial	Amount:	$342941
Action Name:	Combined RI/FS	Financial ID:	0084
Financial Type:	Deobligation	Date:	08/11/2000
Budget Source:	Remedial	Amount:	$23502
Action Name:	Combined RI/FS	Financial ID:	0085
Financial Type:	Deobligation	Date:	08/11/2000
Budget Source:	Remedial	Amount:	$29649
Action Name:	Combined RI/FS	Financial ID:	0078
Financial Type:	Extramural Outlay (Payment)	Date:	08/11/2000
Budget Source:	Remedial	Amount:	$29649
Action Name:	Combined RI/FS	Financial ID:	0079
Financial Type:	Extramural Outlay (Payment)	Date:	08/11/2000
Budget Source:	Remedial	Amount:	$23502
Action Name:	State Support Agency Cooperative Agreement	Financial ID:	0005
Financial Type:	Commitment	Date:	08/29/2000

Budget Source:	Remedial	Amount:	$160840
Action Name:	Combined RI/FS	Financial ID:	0086
Financial Type:	Deobligation	Date:	09/07/2000
Budget Source:	Remedial	Amount:	$50722
Action Name:	Combined RI/FS	Financial ID:	0080
Financial Type:	Extramural Outlay (Payment)	Date:	09/07/2000
Budget Source:	Remedial	Amount:	$50722
Action Name:	State Support Agency Cooperative Agreement	Financial ID:	0005
Financial Type:	Decommitment	Date:	09/11/2000
Budget Source:	Remedial	Amount:	$160840
Action Name:	State Support Agency Cooperative Agreement	Financial ID:	0009
Financial Type:	Actual Obligation	Date:	09/11/2000
Budget Source:	Remedial	Amount:	$160840
Action Name:	Removal	Financial ID:	0008
Financial Type:	Deobligation	Date:	09/11/2000
Budget Source:	Removal	Amount:	$68904
Action Name:	Removal	Financial ID:	0008
Financial Type:	Extramural Outlay (Payment)	Date:	09/11/2000
Budget Source:	Removal	Amount:	$68904
Action Name:	Combined RI/FS	Financial ID:	0087
Financial Type:	Deobligation	Date:	09/13/2000
Budget Source:	Remedial	Amount:	$25746
Action Name:	Combined RI/FS	Financial ID:	0081
Financial Type:	Extramural Outlay (Payment)	Date:	09/13/2000
Budget Source:	Remedial	Amount:	$25746
Action Name:	Combined RI/FS	Financial ID:	0028
Financial Type:	Commitment	Date:	09/14/2000
Budget Source:	Remedial	Amount:	$1000000
Action Name:	Combined RI/FS	Financial ID:	0038
Financial Type:	Decommitment	Date:	09/19/2000
Budget Source:	Remedial	Amount:	$1300000
Action Name:	Combined RI/FS	Financial ID:	0044
Financial Type:	Actual Obligation	Date:	09/19/2000
Budget Source:	Remedial	Amount:	$1300000
Action Name:	Combined RI/FS	Financial ID:	0029

Financial Type: Commitment
Budget Source: Remedial
Date: 09/21/2000
Amount: $500000

Action Name: Combined RI/FS
Financial Type: Decommitment
Budget Source: Remedial
Financial ID: 0039
Date: 09/29/2000
Amount: $1000000

Action Name: Combined RI/FS
Financial Type: Decommitment
Budget Source: Remedial
Financial ID: 0040
Date: 09/29/2000
Amount: $500000

Action Name: Combined RI/FS
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0045
Date: 09/29/2000
Amount: $500000

Action Name: Combined RI/FS
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0046
Date: 09/29/2000
Amount: $1000000

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0088
Date: 09/29/2000
Amount: $347330

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0089
Date: 09/29/2000
Amount: $15385

Action Name: Combined RI/FS
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0082
Date: 09/29/2000
Amount: $347330

Action Name: Combined RI/FS
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0083
Date: 09/29/2000
Amount: $15385

Action Name: Removal
Financial Type: Deobligation
Budget Source: Removal
Financial ID: 0009
Date: 10/11/2000
Amount: $4020

Action Name: Removal
Financial Type: Extramural Outlay (Payment)
Budget Source: Removal
Financial ID: 0009
Date: 10/11/2000
Amount: $4020

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0090
Date: 10/16/2000
Amount: $56871

Action Name:	Combined RI/FS	Financial ID:	0084
Financial Type:	Extramural Outlay (Payment)	Date:	10/16/2000
Budget Source:	Remedial	Amount:	$56871
Action Name:	Combined RI/FS	Financial ID:	0091
Financial Type:	Deobligation	Date:	10/17/2000
Budget Source:	Remedial	Amount:	$18628
Action Name:	Combined RI/FS	Financial ID:	0085
Financial Type:	Extramural Outlay (Payment)	Date:	10/17/2000
Budget Source:	Remedial	Amount:	$18628
Action Name:	Combined RI/FS	Financial ID:	0093
Financial Type:	Deobligation	Date:	11/14/2000
Budget Source:	Remedial	Amount:	$15301
Action Name:	Combined RI/FS	Financial ID:	0087
Financial Type:	Extramural Outlay (Payment)	Date:	11/14/2000
Budget Source:	Remedial	Amount:	$15301
Action Name:	Combined RI/FS	Financial ID:	0092
Financial Type:	Deobligation	Date:	11/15/2000
Budget Source:	Remedial	Amount:	$8435
Action Name:	Combined RI/FS	Financial ID:	0086
Financial Type:	Extramural Outlay (Payment)	Date:	11/15/2000
Budget Source:	Remedial	Amount:	$8435
Action Name:	Combined RI/FS	Financial ID:	0094
Financial Type:	Deobligation	Date:	12/05/2000
Budget Source:	Remedial	Amount:	$567629
Action Name:	Combined RI/FS	Financial ID:	0095
Financial Type:	Deobligation	Date:	12/05/2000
Budget Source:	Remedial	Amount:	$150005
Action Name:	Combined RI/FS	Financial ID:	0096
Financial Type:	Deobligation	Date:	12/05/2000
Budget Source:	Remedial	Amount:	$22036
Action Name:	Combined RI/FS	Financial ID:	0088
Financial Type:	Extramural Outlay (Payment)	Date:	12/05/2000
Budget Source:	Remedial	Amount:	$567629
Action Name:	Combined RI/FS	Financial ID:	0089
Financial Type:	Extramural Outlay (Payment)	Date:	12/05/2000
Budget Source:	Remedial	Amount:	$150005

Action Name: Combined RI/FS
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0090
Date: 12/05/2000
Amount: $22036

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0097
Date: 12/14/2000
Amount: $4528

Action Name: Combined RI/FS
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0091
Date: 12/14/2000
Amount: $4528

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0098
Date: 12/19/2000
Amount: $450550

Action Name: Combined RI/FS
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0092
Date: 12/19/2000
Amount: $450550

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0099
Date: 01/09/2001
Amount: $23846

Action Name: Combined RI/FS
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0093
Date: 01/09/2001
Amount: $23846

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0100
Date: 01/19/2001
Amount: $67

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0101
Date: 01/19/2001
Amount: $3008

Action Name: Combined RI/FS
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0094
Date: 01/19/2001
Amount: $67

Action Name: Combined RI/FS
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0095
Date: 01/19/2001
Amount: $3008

Action Name: Combined RI/FS
Financial Type: Deobligation
Financial ID: 0102
Date: 02/26/2001

Budget Source: Remedial Amount: $275129

Action Name: Combined RI/FS Financial ID: 0103
Financial Type: Deobligation Date: 02/26/2001
Budget Source: Remedial Amount: $75598

Action Name: Combined RI/FS Financial ID: 0096
Financial Type: Extramural Outlay (Payment) Date: 02/26/2001
Budget Source: Remedial Amount: $75598

Action Name: Combined RI/FS Financial ID: 0097
Financial Type: Extramural Outlay (Payment) Date: 02/26/2001
Budget Source: Remedial Amount: $275129

Action Name: Combined RI/FS Financial ID: 0104
Financial Type: Deobligation Date: 04/03/2001
Budget Source: Remedial Amount: $217747

Action Name: Combined RI/FS Financial ID: 0098
Financial Type: Extramural Outlay (Payment) Date: 04/03/2001
Budget Source: Remedial Amount: $217747

Action Name: Combined RI/FS Financial ID: 0030
Financial Type: Commitment Date: 05/24/2001
Budget Source: Remedial Amount: $1200000

Action Name: Combined RI/FS Financial ID: 0105
Financial Type: Deobligation Date: 06/12/2001
Budget Source: Remedial Amount: $21166

Action Name: Combined RI/FS Financial ID: 0099
Financial Type: Extramural Outlay (Payment) Date: 06/12/2001
Budget Source: Remedial Amount: $21166

Action Name: Removal Financial ID: 0002
Financial Type: Commitment Date: 06/14/2001
Budget Source: Removal Amount: $25000

Action Name: Removal Financial ID: 0002
Financial Type: Decommitment Date: 06/15/2001
Budget Source: Removal Amount: $25000

Action Name: Removal Financial ID: 0002
Financial Type: Actual Obligation Date: 06/15/2001
Budget Source: Removal Amount: $25000

Action Name: Combined RI/FS Financial ID: 0106

Financial Type: Deobligation
Budget Source: Remedial
Date: 06/25/2001
Amount: $85958

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0107
Date: 06/25/2001
Amount: $332249

Action Name: Combined RI/FS
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0100
Date: 06/25/2001
Amount: $85958

Action Name: Combined RI/FS
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0101
Date: 06/25/2001
Amount: $332249

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0108
Date: 07/03/2001
Amount: $24098

Action Name: Combined RI/FS
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0102
Date: 07/03/2001
Amount: $24098

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0112
Date: 07/25/2001
Amount: $9170

Action Name: Combined RI/FS
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0106
Date: 07/25/2001
Amount: $9170

Action Name: Removal
Financial Type: Deobligation
Budget Source: Removal
Financial ID: 0010
Date: 08/07/2001
Amount: $5808

Action Name: Removal
Financial Type: Extramural Outlay (Payment)
Budget Source: Removal
Financial ID: 0010
Date: 08/07/2001
Amount: $5808

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0109
Date: 08/14/2001
Amount: $214507

Action Name: Combined RI/FS
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0103
Date: 08/14/2001
Amount: $214507

Action Name:	Combined RI/FS	Financial ID:	0110
Financial Type:	Deobligation	Date:	08/16/2001
Budget Source:	Remedial	Amount:	$729146
Action Name:	Combined RI/FS	Financial ID:	0111
Financial Type:	Deobligation	Date:	08/16/2001
Budget Source:	Remedial	Amount:	$289918
Action Name:	Combined RI/FS	Financial ID:	0104
Financial Type:	Extramural Outlay (Payment)	Date:	08/16/2001
Budget Source:	Remedial	Amount:	$729146
Action Name:	Combined RI/FS	Financial ID:	0105
Financial Type:	Extramural Outlay (Payment)	Date:	08/16/2001
Budget Source:	Remedial	Amount:	$289918
Action Name:	Combined RI/FS	Financial ID:	0041
Financial Type:	Decommitment	Date:	08/27/2001
Budget Source:	Remedial	Amount:	$1200000
Action Name:	Combined RI/FS	Financial ID:	0047
Financial Type:	Actual Obligation	Date:	08/27/2001
Budget Source:	Remedial	Amount:	$1200000
Action Name:	Removal	Financial ID:	0011
Financial Type:	Deobligation	Date:	08/31/2001
Budget Source:	Removal	Amount:	$3489
Action Name:	Removal	Financial ID:	0011
Financial Type:	Extramural Outlay (Payment)	Date:	08/31/2001
Budget Source:	Removal	Amount:	$3489
Action Name:	Combined RI/FS	Financial ID:	0031
Financial Type:	Commitment	Date:	09/05/2001
Budget Source:	Remedial	Amount:	$750000
Action Name:	Combined RI/FS	Financial ID:	0113
Financial Type:	Deobligation	Date:	09/18/2001
Budget Source:	Remedial	Amount:	$236259
Action Name:	Combined RI/FS	Financial ID:	0107
Financial Type:	Extramural Outlay (Payment)	Date:	09/18/2001
Budget Source:	Remedial	Amount:	$236259
Action Name:	Combined RI/FS	Financial ID:	0114
Financial Type:	Deobligation	Date:	09/20/2001
Budget Source:	Remedial	Amount:	$30000

Action Name:	Combined RI/FS	Financial ID:	0042
Financial Type:	Decommitment	Date:	09/25/2001
Budget Source:	Remedial	Amount:	$750000
Action Name:	Combined RI/FS	Financial ID:	0048
Financial Type:	Actual Obligation	Date:	09/25/2001
Budget Source:	Remedial	Amount:	$750000
Action Name:	Combined RI/FS	Financial ID:	0115
Financial Type:	Deobligation	Date:	11/09/2001
Budget Source:	Remedial	Amount:	$440064
Action Name:	Combined RI/FS	Financial ID:	0108
Financial Type:	Extramural Outlay (Payment)	Date:	11/09/2001
Budget Source:	Remedial	Amount:	$440064
Action Name:	Combined RI/FS	Financial ID:	0032
Financial Type:	Commitment	Date:	12/04/2001
Budget Source:	Remedial	Amount:	$400000
Action Name:	Combined RI/FS	Financial ID:	0116
Financial Type:	Deobligation	Date:	12/07/2001
Budget Source:	Remedial	Amount:	$24488
Action Name:	Combined RI/FS	Financial ID:	0117
Financial Type:	Deobligation	Date:	12/07/2001
Budget Source:	Remedial	Amount:	$33759
Action Name:	Combined RI/FS	Financial ID:	0118
Financial Type:	Deobligation	Date:	12/07/2001
Budget Source:	Remedial	Amount:	$500000
Action Name:	Combined RI/FS	Financial ID:	0119
Financial Type:	Deobligation	Date:	12/07/2001
Budget Source:	Remedial	Amount:	$511430
Action Name:	Combined RI/FS	Financial ID:	0109
Financial Type:	Extramural Outlay (Payment)	Date:	12/07/2001
Budget Source:	Remedial	Amount:	$24488
Action Name:	Combined RI/FS	Financial ID:	0110
Financial Type:	Extramural Outlay (Payment)	Date:	12/07/2001
Budget Source:	Remedial	Amount:	$33759
Action Name:	Combined RI/FS	Financial ID:	0111
Financial Type:	Extramural Outlay (Payment)	Date:	12/07/2001

Budget Source: Remedial Amount: $500000

Action Name: Combined RI/FS Financial ID: 0112
Financial Type: Extramural Outlay (Payment) Date: 12/07/2001
Budget Source: Remedial Amount: $511430

Action Name: Combined RI/FS Financial ID: 0120
Financial Type: Deobligation Date: 01/15/2002
Budget Source: Remedial Amount: $416561

Action Name: Combined RI/FS Financial ID: 0113
Financial Type: Extramural Outlay (Payment) Date: 01/15/2002
Budget Source: Remedial Amount: $416561

Action Name: Combined RI/FS Financial ID: 0043
Financial Type: Decommitment Date: 01/23/2002
Budget Source: Remedial Amount: $200000

Action Name: Remedial Design Financial ID: 0001
Financial Type: Commitment Date: 02/01/2002
Budget Source: Remedial Amount: $2200000

Action Name: Combined RI/FS Financial ID: 0121
Financial Type: Deobligation Date: 03/05/2002
Budget Source: Remedial Amount: $144900

Action Name: Combined RI/FS Financial ID: 0122
Financial Type: Deobligation Date: 03/05/2002
Budget Source: Remedial Amount: $247521

Action Name: Combined RI/FS Financial ID: 0123
Financial Type: Deobligation Date: 03/05/2002
Budget Source: Remedial Amount: $108909

Action Name: Combined RI/FS Financial ID: 0114
Financial Type: Extramural Outlay (Payment) Date: 03/05/2002
Budget Source: Remedial Amount: $247521

Action Name: Combined RI/FS Financial ID: 0115
Financial Type: Extramural Outlay (Payment) Date: 03/05/2002
Budget Source: Remedial Amount: $108909

Action Name: Combined RI/FS Financial ID: 0116
Financial Type: Extramural Outlay (Payment) Date: 03/05/2002
Budget Source: Remedial Amount: $144900

Action Name: Combined RI/FS Financial ID: 0044

Financial Type: Decommitment
Budget Source: Remedial
Date: 03/11/2002
Amount: $200000

Action Name: Remedial Design
Financial Type: Decommitment
Budget Source: Remedial
Financial ID: 0001
Date: 03/11/2002
Amount: $2200000

Action Name: Combined RI/FS
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0049
Date: 03/11/2002
Amount: $200000

Action Name: Remedial Design
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0001
Date: 03/11/2002
Amount: $2200000

Action Name: Community Involvement
Financial Type: Commitment
Budget Source: Remedial
Financial ID: 0001
Date: 03/14/2002
Amount: $250000

Action Name: Removal
Financial Type: Deobligation
Budget Source: Removal
Financial ID: 0012
Date: 03/14/2002
Amount: $890

Action Name: Removal
Financial Type: Extramural Outlay (Payment)
Budget Source: Removal
Financial ID: 0012
Date: 03/14/2002
Amount: $890

Action Name: Community Involvement
Financial Type: Decommitment
Budget Source: Remedial
Financial ID: 0001
Date: 03/25/2002
Amount: $250000

Action Name: Community Involvement
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0001
Date: 03/25/2002
Amount: $250000

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0001
Date: 04/15/2002
Amount: $22231

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0001
Date: 04/15/2002
Amount: $22231

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0002
Date: 05/16/2002
Amount: $66966

Action Name:	Remedial Design	Financial ID:	0002
Financial Type:	Extramural Outlay (Payment)	Date:	05/16/2002
Budget Source:	Remedial	Amount:	$66966
Action Name:	Combined RI/FS	Financial ID:	0124
Financial Type:	Deobligation	Date:	05/20/2002
Budget Source:	Remedial	Amount:	$0
Action Name:	Combined RI/FS	Financial ID:	0117
Financial Type:	Extramural Outlay (Payment)	Date:	05/20/2002
Budget Source:	Remedial	Amount:	$0
Action Name:	Remedial Design	Financial ID:	0002
Financial Type:	Commitment	Date:	06/03/2002
Budget Source:	Remedial	Amount:	$1200000
Action Name:	Remedial Design	Financial ID:	0003
Financial Type:	Commitment	Date:	06/03/2002
Budget Source:	Remedial	Amount:	$1200000
Action Name:	Remedial Design	Financial ID:	0002
Financial Type:	Decommitment	Date:	06/03/2002
Budget Source:	Remedial	Amount:	$1200000
Action Name:	PRP Remedial Design	Financial ID:	0001
Financial Type:	Commitment	Date:	06/07/2002
Budget Source:	Remedial	Amount:	$300000
Action Name:	Remedial Design	Financial ID:	0003
Financial Type:	Decommitment	Date:	06/19/2002
Budget Source:	Remedial	Amount:	$1200000
Action Name:	Remedial Design	Financial ID:	0002
Financial Type:	Actual Obligation	Date:	06/19/2002
Budget Source:	Remedial	Amount:	$1200000
Action Name:	Combined RI/FS	Financial ID:	0130
Financial Type:	Deobligation	Date:	06/20/2002
Budget Source:	Remedial	Amount:	$102254
Action Name:	Combined RI/FS	Financial ID:	0131
Financial Type:	Deobligation	Date:	06/20/2002
Budget Source:	Remedial	Amount:	$106585
Action Name:	Remedial Design	Financial ID:	0012
Financial Type:	Deobligation	Date:	06/20/2002
Budget Source:	Remedial	Amount:	$63512

Action Name:	Combined RI/FS	Financial ID:	0119
Financial Type:	Extramural Outlay (Payment)	Date:	06/20/2002
Budget Source:	Remedial	Amount:	$102254
Action Name:	Combined RI/FS	Financial ID:	0120
Financial Type:	Extramural Outlay (Payment)	Date:	06/20/2002
Budget Source:	Remedial	Amount:	$106585
Action Name:	Remedial Design	Financial ID:	0011
Financial Type:	Extramural Outlay (Payment)	Date:	06/20/2002
Budget Source:	Remedial	Amount:	$63512
Action Name:	Remedial Design	Financial ID:	0003
Financial Type:	Deobligation	Date:	06/28/2002
Budget Source:	Remedial	Amount:	$475515
Action Name:	Remedial Design	Financial ID:	0003
Financial Type:	Extramural Outlay (Payment)	Date:	06/28/2002
Budget Source:	Remedial	Amount:	$475515
Action Name:	Remedial Design	Financial ID:	0004
Financial Type:	Deobligation	Date:	07/18/2002
Budget Source:	Remedial	Amount:	$100000
Action Name:	Remedial Design	Financial ID:	0004
Financial Type:	Extramural Outlay (Payment)	Date:	07/18/2002
Budget Source:	Remedial	Amount:	$100000
Action Name:	Community Involvement	Financial ID:	0001
Financial Type:	Deobligation	Date:	07/19/2002
Budget Source:	Remedial	Amount:	$125946
Action Name:	Community Involvement	Financial ID:	0001
Financial Type:	Extramural Outlay (Payment)	Date:	07/19/2002
Budget Source:	Remedial	Amount:	$125946
Action Name:	Remedial Design	Financial ID:	0006
Financial Type:	Deobligation	Date:	07/29/2002
Budget Source:	Remedial	Amount:	$14470
Action Name:	Remedial Design	Financial ID:	0007
Financial Type:	Deobligation	Date:	07/29/2002
Budget Source:	Remedial	Amount:	$417514
Action Name:	Remedial Design	Financial ID:	0006
Financial Type:	Extramural Outlay (Payment)	Date:	07/29/2002

Budget Source: Remedial
Amount: $14470

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0007
Date: 07/29/2002
Amount: $417514

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0005
Date: 07/30/2002
Amount: $179013

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0005
Date: 07/30/2002
Amount: $179013

Action Name: Community Involvement
Financial Type: Commitment
Budget Source: Remedial
Financial ID: 0002
Date: 08/14/2002
Amount: $49875

Action Name: Community Involvement
Financial Type: Commitment
Budget Source: Remedial
Financial ID: 0003
Date: 08/14/2002
Amount: $49875

Action Name: Community Involvement
Financial Type: Decommitment
Budget Source: Remedial
Financial ID: 0002
Date: 08/14/2002
Amount: $49875

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0008
Date: 08/15/2002
Amount: $8265

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0008
Date: 08/15/2002
Amount: $8265

Action Name: PRP Remedial Design
Financial Type: Decommitment
Budget Source: Remedial
Financial ID: 0001
Date: 08/19/2002
Amount: $300000

Action Name: PRP Remedial Design
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0001
Date: 08/19/2002
Amount: $300000

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0125
Date: 08/20/2002
Amount: $4598

Action Name: Combined RI/FS
Financial ID: 0126

Financial Type: Deobligation
Budget Source: Remedial
Date: 08/20/2002
Amount: $21483

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0127
Date: 08/20/2002
Amount: $11231

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0128
Date: 08/20/2002
Amount: $77585

Action Name: Community Involvement
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0002
Date: 08/20/2002
Amount: $91764

Action Name: Combined RI/FS
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0118
Date: 08/20/2002
Amount: $77585

Action Name: Community Involvement
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0002
Date: 08/20/2002
Amount: $91764

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0129
Date: 08/28/2002
Amount: $200000

Action Name: PRP Remedial Design
Financial Type: Commitment
Budget Source: Remedial
Financial ID: 0002
Date: 08/29/2002
Amount: $300000

Action Name: Remedial Design
Financial Type: Commitment
Budget Source: Remedial
Financial ID: 0004
Date: 08/29/2002
Amount: $1200000

Action Name: Community Involvement
Financial Type: Decommitment
Budget Source: Remedial
Financial ID: 0003
Date: 08/30/2002
Amount: $49875

Action Name: Community Involvement
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0002
Date: 08/30/2002
Amount: $49875

Action Name: PRP Remedial Design
Financial Type: Decommitment
Budget Source: Remedial
Financial ID: 0002
Date: 09/03/2002
Amount: $300000

Action Name:	Remedial Design	Financial ID:	0004
Financial Type:	Decommitment	Date:	09/03/2002
Budget Source:	Remedial	Amount:	$1200000
Action Name:	PRP Remedial Design	Financial ID:	0002
Financial Type:	Actual Obligation	Date:	09/03/2002
Budget Source:	Remedial	Amount:	$300000
Action Name:	Remedial Design	Financial ID:	0003
Financial Type:	Actual Obligation	Date:	09/03/2002
Budget Source:	Remedial	Amount:	$1200000
Action Name:	PRP Remedial Design	Financial ID:	0001
Financial Type:	Deobligation	Date:	09/03/2002
Budget Source:	Remedial	Amount:	$300000
Action Name:	Remedial Design	Financial ID:	0009
Financial Type:	Deobligation	Date:	09/03/2002
Budget Source:	Remedial	Amount:	$1200000
Action Name:	Remedial Design	Financial ID:	0010
Financial Type:	Deobligation	Date:	09/06/2002
Budget Source:	Remedial	Amount:	$24191
Action Name:	Remedial Design	Financial ID:	0011
Financial Type:	Deobligation	Date:	09/06/2002
Budget Source:	Remedial	Amount:	$13021
Action Name:	Remedial Design	Financial ID:	0009
Financial Type:	Extramural Outlay (Payment)	Date:	09/06/2002
Budget Source:	Remedial	Amount:	$24191
Action Name:	Remedial Design	Financial ID:	0010
Financial Type:	Extramural Outlay (Payment)	Date:	09/06/2002
Budget Source:	Remedial	Amount:	$13021
Action Name:	Community Involvement	Financial ID:	0003
Financial Type:	Deobligation	Date:	09/13/2002
Budget Source:	Remedial	Amount:	$32289
Action Name:	Community Involvement	Financial ID:	0004
Financial Type:	Deobligation	Date:	09/13/2002
Budget Source:	Remedial	Amount:	$16922
Action Name:	Community Involvement	Financial ID:	0003
Financial Type:	Extramural Outlay (Payment)	Date:	09/13/2002
Budget Source:	Remedial	Amount:	$32289

Action Name:	Community Involvement	Financial ID:	0004
Financial Type:	Extramural Outlay (Payment)	Date:	09/13/2002
Budget Source:	Remedial	Amount:	$16922
Action Name:	Combined RI/FS	Financial ID:	0132
Financial Type:	Deobligation	Date:	09/20/2002
Budget Source:	Remedial	Amount:	$1962
Action Name:	Combined RI/FS	Financial ID:	0133
Financial Type:	Deobligation	Date:	09/20/2002
Budget Source:	Remedial	Amount:	$35513
Action Name:	Combined RI/FS	Financial ID:	0121
Financial Type:	Extramural Outlay (Payment)	Date:	09/20/2002
Budget Source:	Remedial	Amount:	$1962
Action Name:	Combined RI/FS	Financial ID:	0122
Financial Type:	Extramural Outlay (Payment)	Date:	09/20/2002
Budget Source:	Remedial	Amount:	$35513
Action Name:	Remedial Design	Financial ID:	0013
Financial Type:	Deobligation	Date:	09/24/2002
Budget Source:	Remedial	Amount:	$165713
Action Name:	Remedial Design	Financial ID:	0014
Financial Type:	Deobligation	Date:	09/24/2002
Budget Source:	Remedial	Amount:	$146363
Action Name:	Remedial Design	Financial ID:	0015
Financial Type:	Deobligation	Date:	09/24/2002
Budget Source:	Remedial	Amount:	$106632
Action Name:	Remedial Design	Financial ID:	0012
Financial Type:	Extramural Outlay (Payment)	Date:	09/24/2002
Budget Source:	Remedial	Amount:	$165713
Action Name:	Remedial Design	Financial ID:	0013
Financial Type:	Extramural Outlay (Payment)	Date:	09/24/2002
Budget Source:	Remedial	Amount:	$146363
Action Name:	Remedial Design	Financial ID:	0014
Financial Type:	Extramural Outlay (Payment)	Date:	09/24/2002
Budget Source:	Remedial	Amount:	$106632
Action Name:	Remedial Design	Financial ID:	0016
Financial Type:	Deobligation	Date:	09/26/2002

Budget Source: Remedial
Amount: $154434

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0015
Date: 09/26/2002
Amount: $154434

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0002
Date: 10/03/2002
Amount: $3596

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0134
Date: 10/03/2002
Amount: $9770

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0017
Date: 10/03/2002
Amount: $16575

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0001
Date: 10/03/2002
Amount: $3596

Action Name: Combined RI/FS
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0123
Date: 10/03/2002
Amount: $9770

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0016
Date: 10/03/2002
Amount: $16575

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0018
Date: 10/15/2002
Amount: $110399

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0017
Date: 10/15/2002
Amount: $110399

Action Name: Community Involvement
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0005
Date: 10/17/2002
Amount: $19389

Action Name: Community Involvement
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0005
Date: 10/17/2002
Amount: $19389

Action Name: Remedial Design
Financial ID: 0005

Financial Type: Commitment
Budget Source: Remedial
Date: 10/23/2002
Amount: $1700000

Action Name: Remedial Design
Financial Type: Commitment
Budget Source: Remedial
Financial ID: 0006
Date: 10/23/2002
Amount: $700000

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0019
Date: 10/30/2002
Amount: $121013

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0020
Date: 10/30/2002
Amount: $6216

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0018
Date: 10/30/2002
Amount: $121013

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0019
Date: 10/30/2002
Amount: $6216

Action Name: PRP Remedial Design
Financial Type: Commitment
Budget Source: Remedial
Financial ID: 0003
Date: 11/13/2002
Amount: $700000

Action Name: Remedial Design
Financial Type: Decommitment
Budget Source: Remedial
Financial ID: 0005
Date: 11/13/2002
Amount: $700000

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0003
Date: 11/18/2002
Amount: $5032

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0135
Date: 11/18/2002
Amount: $9114

Action Name: State Support Agency Cooperative Agreement
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0002
Date: 11/18/2002
Amount: $160840

Action Name: State Support Agency Cooperative Agreement
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0003
Date: 11/18/2002
Amount: $100000

Action Name:	State Support Agency Cooperative Agreement	Financial ID:	0004
Financial Type:	Deobligation	Date:	11/18/2002
Budget Source:	Remedial	Amount:	$160000
Action Name:	State Support Agency Cooperative Agreement	Financial ID:	0005
Financial Type:	Deobligation	Date:	11/18/2002
Budget Source:	Remedial	Amount:	$20000
Action Name:	Remedial Design	Financial ID:	0021
Financial Type:	Deobligation	Date:	11/18/2002
Budget Source:	Remedial	Amount:	$9034
Action Name:	Remedial Design	Financial ID:	0022
Financial Type:	Deobligation	Date:	11/18/2002
Budget Source:	Remedial	Amount:	$11093
Action Name:	PRP Remedial Design	Financial ID:	0002
Financial Type:	Extramural Outlay (Payment)	Date:	11/18/2002
Budget Source:	Remedial	Amount:	$5032
Action Name:	Combined RI/FS	Financial ID:	0124
Financial Type:	Extramural Outlay (Payment)	Date:	11/18/2002
Budget Source:	Remedial	Amount:	$9114
Action Name:	State Support Agency Cooperative Agreement	Financial ID:	0002
Financial Type:	Extramural Outlay (Payment)	Date:	11/18/2002
Budget Source:	Remedial	Amount:	$160840
Action Name:	State Support Agency Cooperative Agreement	Financial ID:	0003
Financial Type:	Extramural Outlay (Payment)	Date:	11/18/2002
Budget Source:	Remedial	Amount:	$100000
Action Name:	State Support Agency Cooperative Agreement	Financial ID:	0004
Financial Type:	Extramural Outlay (Payment)	Date:	11/18/2002
Budget Source:	Remedial	Amount:	$160000
Action Name:	State Support Agency Cooperative Agreement	Financial ID:	0005
Financial Type:	Extramural Outlay (Payment)	Date:	11/18/2002
Budget Source:	Remedial	Amount:	$20000
Action Name:	Remedial Design	Financial ID:	0020
Financial Type:	Extramural Outlay (Payment)	Date:	11/18/2002
Budget Source:	Remedial	Amount:	$9034
Action Name:	Remedial Design	Financial ID:	0021
Financial Type:	Extramural Outlay (Payment)	Date:	11/18/2002
Budget Source:	Remedial	Amount:	$11093

Action Name:	PRP Remedial Design	Financial ID:	0003
Financial Type:	Decommitment	Date:	11/19/2002
Budget Source:	Remedial	Amount:	$700000
Action Name:	Remedial Design	Financial ID:	0006
Financial Type:	Decommitment	Date:	11/19/2002
Budget Source:	Remedial	Amount:	$1700000
Action Name:	PRP Remedial Design	Financial ID:	0003
Financial Type:	Actual Obligation	Date:	11/19/2002
Budget Source:	Remedial	Amount:	$700000
Action Name:	Remedial Design	Financial ID:	0004
Financial Type:	Actual Obligation	Date:	11/19/2002
Budget Source:	Remedial	Amount:	$1700000
Action Name:	Community Involvement	Financial ID:	0006
Financial Type:	Deobligation	Date:	11/19/2002
Budget Source:	Remedial	Amount:	$8187
Action Name:	Community Involvement	Financial ID:	0006
Financial Type:	Extramural Outlay (Payment)	Date:	11/19/2002
Budget Source:	Remedial	Amount:	$8187
Action Name:	Remedial Design	Financial ID:	0023
Financial Type:	Deobligation	Date:	11/27/2002
Budget Source:	Remedial	Amount:	$133357
Action Name:	Remedial Design	Financial ID:	0024
Financial Type:	Deobligation	Date:	11/27/2002
Budget Source:	Remedial	Amount:	$140226
Action Name:	Remedial Design	Financial ID:	0022
Financial Type:	Extramural Outlay (Payment)	Date:	11/27/2002
Budget Source:	Remedial	Amount:	$140226
Action Name:	Remedial Design	Financial ID:	0023
Financial Type:	Extramural Outlay (Payment)	Date:	11/27/2002
Budget Source:	Remedial	Amount:	$133357
Action Name:	Remedial Design	Financial ID:	0025
Financial Type:	Deobligation	Date:	12/04/2002
Budget Source:	Remedial	Amount:	$41049
Action Name:	Remedial Design	Financial ID:	0024
Financial Type:	Extramural Outlay (Payment)	Date:	12/04/2002

Budget Source: Remedial
Amount: $41049

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0026
Date: 12/17/2002
Amount: $163758

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0025
Date: 12/17/2002
Amount: $163758

Action Name: Community Involvement
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0007
Date: 12/24/2002
Amount: $3900

Action Name: Community Involvement
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0007
Date: 12/24/2002
Amount: $3900

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0027
Date: 12/26/2002
Amount: $192860

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0028
Date: 12/26/2002
Amount: $151637

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0029
Date: 12/26/2002
Amount: $139831

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0026
Date: 12/26/2002
Amount: $192860

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0027
Date: 12/26/2002
Amount: $151637

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0028
Date: 12/26/2002
Amount: $139831

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0004
Date: 01/10/2003
Amount: $7038

Action Name: Combined RI/FS
Financial ID: 0136

Financial Type: Deobligation
Budget Source: Remedial
Date: 01/10/2003
Amount: $1811

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0137
Date: 01/10/2003
Amount: $4116

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0030
Date: 01/10/2003
Amount: $10369

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0031
Date: 01/10/2003
Amount: $10495

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0003
Date: 01/10/2003
Amount: $7038

Action Name: Combined RI/FS
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0125
Date: 01/10/2003
Amount: $1811

Action Name: Combined RI/FS
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0126
Date: 01/10/2003
Amount: $4116

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0029
Date: 01/10/2003
Amount: $10369

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0030
Date: 01/10/2003
Amount: $10495

Action Name: Community Involvement
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0008
Date: 01/21/2003
Amount: $1027

Action Name: Community Involvement
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0008
Date: 01/21/2003
Amount: $1027

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0032
Date: 02/10/2003
Amount: $16205

Action Name:	Remedial Design	Financial ID:	0033
Financial Type:	Deobligation	Date:	02/10/2003
Budget Source:	Remedial	Amount:	$127897
Action Name:	Remedial Design	Financial ID:	0031
Financial Type:	Extramural Outlay (Payment)	Date:	02/10/2003
Budget Source:	Remedial	Amount:	$16205
Action Name:	Remedial Design	Financial ID:	0032
Financial Type:	Extramural Outlay (Payment)	Date:	02/10/2003
Budget Source:	Remedial	Amount:	$127897
Action Name:	Technical Assistence	Financial ID:	0001
Financial Type:	Commitment	Date:	02/11/2003
Budget Source:	Remedial	Amount:	$467931
Action Name:	Remedial Design	Financial ID:	0007
Financial Type:	Commitment	Date:	02/12/2003
Budget Source:	Remedial	Amount:	$632069
Action Name:	Remedial Design	Financial ID:	0008
Financial Type:	Commitment	Date:	02/12/2003
Budget Source:	Remedial	Amount:	$267931
Action Name:	Remedial Design	Financial ID:	0034
Financial Type:	Deobligation	Date:	03/06/2003
Budget Source:	Remedial	Amount:	$145423
Action Name:	Remedial Design	Financial ID:	0033
Financial Type:	Extramural Outlay (Payment)	Date:	03/06/2003
Budget Source:	Remedial	Amount:	$145423
Action Name:	Remedial Design	Financial ID:	0035
Financial Type:	Deobligation	Date:	03/07/2003
Budget Source:	Remedial	Amount:	$9513
Action Name:	Remedial Design	Financial ID:	0034
Financial Type:	Extramural Outlay (Payment)	Date:	03/07/2003
Budget Source:	Remedial	Amount:	$9513
Action Name:	Remedial Design	Financial ID:	0036
Financial Type:	Deobligation	Date:	03/10/2003
Budget Source:	Remedial	Amount:	$173608
Action Name:	Remedial Design	Financial ID:	0035
Financial Type:	Extramural Outlay (Payment)	Date:	03/10/2003
Budget Source:	Remedial	Amount:	$173608

Action Name:	Removal	Financial ID:	0013
Financial Type:	Deobligation	Date:	03/12/2003
Budget Source:	Removal	Amount:	$12816
Action Name:	PRP Remedial Design	Financial ID:	0005
Financial Type:	Deobligation	Date:	03/28/2003
Budget Source:	Remedial	Amount:	$89727
Action Name:	PRP Remedial Design	Financial ID:	0006
Financial Type:	Deobligation	Date:	03/28/2003
Budget Source:	Remedial	Amount:	$97180
Action Name:	PRP Remedial Design	Financial ID:	0007
Financial Type:	Deobligation	Date:	03/28/2003
Budget Source:	Remedial	Amount:	$46656
Action Name:	PRP Remedial Design	Financial ID:	0008
Financial Type:	Deobligation	Date:	03/28/2003
Budget Source:	Remedial	Amount:	$12918
Action Name:	PRP Remedial Design	Financial ID:	0004
Financial Type:	Extramural Outlay (Payment)	Date:	03/28/2003
Budget Source:	Remedial	Amount:	$89727
Action Name:	PRP Remedial Design	Financial ID:	0005
Financial Type:	Extramural Outlay (Payment)	Date:	03/28/2003
Budget Source:	Remedial	Amount:	$97180
Action Name:	PRP Remedial Design	Financial ID:	0006
Financial Type:	Extramural Outlay (Payment)	Date:	03/28/2003
Budget Source:	Remedial	Amount:	$46656
Action Name:	PRP Remedial Design	Financial ID:	0007
Financial Type:	Extramural Outlay (Payment)	Date:	03/28/2003
Budget Source:	Remedial	Amount:	$12918
Action Name:	Remedial Design	Financial ID:	0037
Financial Type:	Deobligation	Date:	04/01/2003
Budget Source:	Remedial	Amount:	$356036
Action Name:	Remedial Design	Financial ID:	0038
Financial Type:	Deobligation	Date:	04/01/2003
Budget Source:	Remedial	Amount:	$181656
Action Name:	Remedial Design	Financial ID:	0036
Financial Type:	Extramural Outlay (Payment)	Date:	04/01/2003

Budget Source: Remedial
Amount: $356036

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0037
Date: 04/01/2003
Amount: $181656

Action Name: Remedial Design
Financial Type: Decommitment
Budget Source: Remedial
Financial ID: 0007
Date: 04/10/2003
Amount: $632069

Action Name: Remedial Design
Financial Type: Decommitment
Budget Source: Remedial
Financial ID: 0008
Date: 04/10/2003
Amount: $267931

Action Name: Remedial Design
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0005
Date: 04/10/2003
Amount: $632069

Action Name: Remedial Design
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0006
Date: 04/10/2003
Amount: $267931

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0039
Date: 04/21/2003
Amount: $126413

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0038
Date: 04/21/2003
Amount: $126413

Action Name: PRP Remedial Design
Financial Type: Commitment
Budget Source: Remedial
Financial ID: 0004
Date: 04/25/2003
Amount: $400000

Action Name: Remedial Design
Financial Type: Commitment
Budget Source: Remedial
Financial ID: 0009
Date: 04/25/2003
Amount: $1200000

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0138
Date: 04/29/2003
Amount: $5446

Action Name: Combined RI/FS
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0127
Date: 04/29/2003
Amount: $5446

Action Name: Remedial Design
Financial ID: 0040

Financial Type: Deobligation
Budget Source: Remedial
Date: 05/12/2003
Amount: $144116

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0039
Date: 05/12/2003
Amount: $144116

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0009
Date: 05/16/2003
Amount: $37853

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0010
Date: 05/16/2003
Amount: $29131

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0139
Date: 05/16/2003
Amount: $1474

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0140
Date: 05/16/2003
Amount: $317

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0141
Date: 05/16/2003
Amount: $242

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0142
Date: 05/16/2003
Amount: $465

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0041
Date: 05/16/2003
Amount: $9758

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0008
Date: 05/16/2003
Amount: $37853

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0009
Date: 05/16/2003
Amount: $29131

Action Name: Combined RI/FS
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0128
Date: 05/16/2003
Amount: $1474

Action Name: Combined RI/FS
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0129
Date: 05/16/2003
Amount: $317

Action Name: Combined RI/FS
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0130
Date: 05/16/2003
Amount: $242

Action Name: Combined RI/FS
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0131
Date: 05/16/2003
Amount: $465

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0040
Date: 05/16/2003
Amount: $9758

Action Name: PRP Remedial Design
Financial Type: Decommitment
Budget Source: Remedial
Financial ID: 0004
Date: 05/30/2003
Amount: $400000

Action Name: Remedial Design
Financial Type: Decommitment
Budget Source: Remedial
Financial ID: 0009
Date: 05/30/2003
Amount: $1200000

Action Name: PRP Remedial Design
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0004
Date: 05/30/2003
Amount: $400000

Action Name: Remedial Design
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0007
Date: 05/30/2003
Amount: $1200000

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0042
Date: 06/02/2003
Amount: $228259

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0041
Date: 06/02/2003
Amount: $228259

Action Name: Removal
Financial Type: Deobligation
Budget Source: Removal
Financial ID: 0014
Date: 06/19/2003
Amount: $14814

Action Name: Technical Assistence
Financial Type: Decommitment
Budget Source: Remedial
Financial ID: 0001
Date: 07/08/2003
Amount: $263723

Action Name:	Technical Assistence	Financial ID:	0001
Financial Type:	Actual Obligation	Date:	07/08/2003
Budget Source:	Remedial	Amount:	$263723
Action Name:	Remedial Design	Financial ID:	0043
Financial Type:	Deobligation	Date:	07/08/2003
Budget Source:	Remedial	Amount:	$166592
Action Name:	Remedial Design	Financial ID:	0044
Financial Type:	Deobligation	Date:	07/08/2003
Budget Source:	Remedial	Amount:	$17213
Action Name:	Remedial Design	Financial ID:	0042
Financial Type:	Extramural Outlay (Payment)	Date:	07/08/2003
Budget Source:	Remedial	Amount:	$166592
Action Name:	Remedial Design	Financial ID:	0043
Financial Type:	Extramural Outlay (Payment)	Date:	07/08/2003
Budget Source:	Remedial	Amount:	$17213
Action Name:	Remedial Design	Financial ID:	0045
Financial Type:	Deobligation	Date:	07/28/2003
Budget Source:	Remedial	Amount:	$121106
Action Name:	Remedial Design	Financial ID:	0046
Financial Type:	Deobligation	Date:	07/28/2003
Budget Source:	Remedial	Amount:	$245243
Action Name:	Remedial Design	Financial ID:	0044
Financial Type:	Extramural Outlay (Payment)	Date:	07/28/2003
Budget Source:	Remedial	Amount:	$121106
Action Name:	Remedial Design	Financial ID:	0045
Financial Type:	Extramural Outlay (Payment)	Date:	07/28/2003
Budget Source:	Remedial	Amount:	$245243
Action Name:	Remedial Design	Financial ID:	0010
Financial Type:	Commitment	Date:	07/31/2003
Budget Source:	Remedial	Amount:	$25000
Action Name:	PRP Remedial Design	Financial ID:	0011
Financial Type:	Deobligation	Date:	07/31/2003
Budget Source:	Remedial	Amount:	$9001
Action Name:	Remedial Design	Financial ID:	0047
Financial Type:	Deobligation	Date:	07/31/2003

Budget Source: Remedial Amount: $19727

Action Name: PRP Remedial Design Financial ID: 0010
Financial Type: Extramural Outlay (Payment) Date: 07/31/2003
Budget Source: Remedial Amount: $9001

Action Name: Remedial Design Financial ID: 0046
Financial Type: Extramural Outlay (Payment) Date: 07/31/2003
Budget Source: Remedial Amount: $19727

Action Name: Technical Assistence Financial ID: 0002
Financial Type: Decommitment Date: 08/13/2003
Budget Source: Remedial Amount: $204208

Action Name: Remedial Design Financial ID: 0010
Financial Type: Decommitment Date: 08/19/2003
Budget Source: Remedial Amount: $18214

Action Name: Remedial Design Financial ID: 0008
Financial Type: Actual Obligation Date: 08/19/2003
Budget Source: Remedial Amount: $18214

Action Name: Remedial Design Financial ID: 0048
Financial Type: Deobligation Date: 08/19/2003
Budget Source: Remedial Amount: $18214

Action Name: Remedial Design Financial ID: 0047
Financial Type: Extramural Outlay (Payment) Date: 08/19/2003
Budget Source: Remedial Amount: $18214

Action Name: Remedial Design Financial ID: 0011
Financial Type: Commitment Date: 08/20/2003
Budget Source: Remedial Amount: $204208

Action Name: Remedial Design Financial ID: 0049
Financial Type: Deobligation Date: 08/21/2003
Budget Source: Remedial Amount: $14851

Action Name: Remedial Design Financial ID: 0050
Financial Type: Deobligation Date: 08/21/2003
Budget Source: Remedial Amount: $14719

Action Name: Remedial Design Financial ID: 0051
Financial Type: Deobligation Date: 08/21/2003
Budget Source: Remedial Amount: $13714

Action Name: Remedial Design Financial ID: 0048

Financial Type: Extramural Outlay (Payment) Date: 08/21/2003
Budget Source: Remedial Amount: $14851

Action Name: Remedial Design Financial ID: 0049
Financial Type: Extramural Outlay (Payment) Date: 08/21/2003
Budget Source: Remedial Amount: $14719

Action Name: Remedial Design Financial ID: 0050
Financial Type: Extramural Outlay (Payment) Date: 08/21/2003
Budget Source: Remedial Amount: $13714

Action Name: PRP Remedial Design Financial ID: 0012
Financial Type: Deobligation Date: 08/26/2003
Budget Source: Remedial Amount: $5269

Action Name: PRP Remedial Design Financial ID: 0013
Financial Type: Deobligation Date: 08/26/2003
Budget Source: Remedial Amount: $44975

Action Name: Remedial Design Financial ID: 0052
Financial Type: Deobligation Date: 08/26/2003
Budget Source: Remedial Amount: $12387

Action Name: PRP Remedial Design Financial ID: 0011
Financial Type: Extramural Outlay (Payment) Date: 08/26/2003
Budget Source: Remedial Amount: $5269

Action Name: PRP Remedial Design Financial ID: 0012
Financial Type: Extramural Outlay (Payment) Date: 08/26/2003
Budget Source: Remedial Amount: $44975

Action Name: Remedial Design Financial ID: 0051
Financial Type: Extramural Outlay (Payment) Date: 08/26/2003
Budget Source: Remedial Amount: $12387

Action Name: Remedial Design Financial ID: 0053
Financial Type: Deobligation Date: 08/28/2003
Budget Source: Remedial Amount: $248508

Action Name: Remedial Design Financial ID: 0054
Financial Type: Deobligation Date: 08/28/2003
Budget Source: Remedial Amount: $52296

Action Name: Remedial Design Financial ID: 0055
Financial Type: Deobligation Date: 08/28/2003
Budget Source: Remedial Amount: $31345

Action Name:	Remedial Design	Financial ID:	0052
Financial Type:	Extramural Outlay (Payment)	Date:	08/28/2003
Budget Source:	Remedial	Amount:	$248508
Action Name:	Remedial Design	Financial ID:	0053
Financial Type:	Extramural Outlay (Payment)	Date:	08/28/2003
Budget Source:	Remedial	Amount:	$52296
Action Name:	Remedial Design	Financial ID:	0054
Financial Type:	Extramural Outlay (Payment)	Date:	08/28/2003
Budget Source:	Remedial	Amount:	$31345
Action Name:	Remedial Design	Financial ID:	0056
Financial Type:	Deobligation	Date:	09/02/2003
Budget Source:	Remedial	Amount:	$9021
Action Name:	Remedial Design	Financial ID:	0055
Financial Type:	Extramural Outlay (Payment)	Date:	09/02/2003
Budget Source:	Remedial	Amount:	$9021
Action Name:	Remedial Design	Financial ID:	0057
Financial Type:	Deobligation	Date:	09/03/2003
Budget Source:	Remedial	Amount:	$21587
Action Name:	Remedial Design	Financial ID:	0058
Financial Type:	Deobligation	Date:	09/03/2003
Budget Source:	Remedial	Amount:	$138123
Action Name:	Remedial Design	Financial ID:	0056
Financial Type:	Extramural Outlay (Payment)	Date:	09/03/2003
Budget Source:	Remedial	Amount:	$21587
Action Name:	Remedial Design	Financial ID:	0057
Financial Type:	Extramural Outlay (Payment)	Date:	09/03/2003
Budget Source:	Remedial	Amount:	$138123
Action Name:	Remedial Design	Financial ID:	0011
Financial Type:	Decommitment	Date:	09/16/2003
Budget Source:	Remedial	Amount:	$204208
Action Name:	Remedial Design	Financial ID:	0009
Financial Type:	Actual Obligation	Date:	09/16/2003
Budget Source:	Remedial	Amount:	$204208
Action Name:	PRP Remedial Design	Financial ID:	0005
Financial Type:	Commitment	Date:	09/17/2003
Budget Source:	Remedial	Amount:	$400000

Action Name: Remedial Design
Financial Type: Commitment
Budget Source: Remedial
Financial ID: 0012
Date: 09/17/2003
Amount: $1467931

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0059
Date: 09/17/2003
Amount: $2515

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0060
Date: 09/17/2003
Amount: $17592

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0061
Date: 09/17/2003
Amount: $24580

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0062
Date: 09/17/2003
Amount: $196766

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0058
Date: 09/17/2003
Amount: $2515

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0059
Date: 09/17/2003
Amount: $17592

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0060
Date: 09/17/2003
Amount: $24580

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0061
Date: 09/17/2003
Amount: $196766

Action Name: PRP Remedial Design
Financial Type: Decommitment
Budget Source: Remedial
Financial ID: 0005
Date: 09/19/2003
Amount: $400000

Action Name: Remedial Design
Financial Type: Decommitment
Budget Source: Remedial
Financial ID: 0012
Date: 09/19/2003
Amount: $1467931

Action Name: PRP Remedial Design
Financial Type: Actual Obligation
Financial ID: 0005
Date: 09/19/2003

Budget Source: Remedial
Amount: $400000

Action Name: Remedial Design
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0010
Date: 09/19/2003
Amount: $267931

Action Name: Remedial Design
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0011
Date: 09/19/2003
Amount: $216873

Action Name: Remedial Design
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0012
Date: 09/19/2003
Amount: $1467931

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0014
Date: 09/19/2003
Amount: $400000

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0063
Date: 09/19/2003
Amount: $267931

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0064
Date: 09/19/2003
Amount: $1200000

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0065
Date: 09/19/2003
Amount: $484804

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0062
Date: 09/19/2003
Amount: $484804

Action Name: Remedial Design
Financial Type: Extramural Deoutlay (Credit)
Budget Source: Remedial
Financial ID: 0001
Date: 09/19/2003
Amount: $267931

Action Name: Remedial Design
Financial Type: Extramural Deoutlay (Credit)
Budget Source: Remedial
Financial ID: 0002
Date: 09/19/2003
Amount: $216873

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0015
Date: 09/22/2003
Amount: $89983

Action Name: PRP Remedial Design
Financial ID: 0013

Financial Type: Extramural Outlay (Payment) Date: 09/22/2003
Budget Source: Remedial Amount: $89983

Action Name: Technical Assistence Financial ID: 0001
Financial Type: Deobligation Date: 09/26/2003
Budget Source: Remedial Amount: $3070

Action Name: Technical Assistence Financial ID: 0001
Financial Type: Extramural Outlay (Payment) Date: 09/26/2003
Budget Source: Remedial Amount: $3070

Action Name: Remedial Design Financial ID: 0013
Financial Type: Decommitment Date: 10/02/2003
Budget Source: Remedial Amount: $6786

Action Name: PRP Remedial Design Financial ID: 0007
Financial Type: Commitment Date: 10/10/2003
Budget Source: Remedial Amount: $900000

Action Name: PRP Remedial Design Financial ID: 0002
Financial Type: Commitment Date: 10/10/2003
Budget Source: Remedial Amount: $900000

Action Name: Remedial Design Financial ID: 0014
Financial Type: Commitment Date: 10/10/2003
Budget Source: Remedial Amount: $2800000

Action Name: Combined RI/FS Financial ID: 0143
Financial Type: Deobligation Date: 10/15/2003
Budget Source: Remedial Amount: $814

Action Name: Remedial Design Financial ID: 0066
Financial Type: Deobligation Date: 10/15/2003
Budget Source: Remedial Amount: $104205

Action Name: Remedial Design Financial ID: 0067
Financial Type: Deobligation Date: 10/15/2003
Budget Source: Remedial Amount: $100003

Action Name: Remedial Design Financial ID: 0068
Financial Type: Deobligation Date: 10/15/2003
Budget Source: Remedial Amount: $340976

Action Name: Remedial Design Financial ID: 0069
Financial Type: Deobligation Date: 10/15/2003
Budget Source: Remedial Amount: $202599

Action Name:	Technical Assistence	Financial ID:	0002
Financial Type:	Deobligation	Date:	10/15/2003
Budget Source:	Remedial	Amount:	$7024
Action Name:	Combined RI/FS	Financial ID:	0132
Financial Type:	Extramural Outlay (Payment)	Date:	10/15/2003
Budget Source:	Remedial	Amount:	$814
Action Name:	Remedial Design	Financial ID:	0063
Financial Type:	Extramural Outlay (Payment)	Date:	10/15/2003
Budget Source:	Remedial	Amount:	$104205
Action Name:	Remedial Design	Financial ID:	0064
Financial Type:	Extramural Outlay (Payment)	Date:	10/15/2003
Budget Source:	Remedial	Amount:	$100003
Action Name:	Remedial Design	Financial ID:	0065
Financial Type:	Extramural Outlay (Payment)	Date:	10/15/2003
Budget Source:	Remedial	Amount:	$340976
Action Name:	Remedial Design	Financial ID:	0066
Financial Type:	Extramural Outlay (Payment)	Date:	10/15/2003
Budget Source:	Remedial	Amount:	$202599
Action Name:	Technical Assistence	Financial ID:	0002
Financial Type:	Extramural Outlay (Payment)	Date:	10/15/2003
Budget Source:	Remedial	Amount:	$7024
Action Name:	PRP Remedial Design	Financial ID:	0006
Financial Type:	Commitment	Date:	10/16/2003
Budget Source:	Remedial	Amount:	$900000
Action Name:	PRP Remedial Design	Financial ID:	0001
Financial Type:	Commitment	Date:	10/16/2003
Budget Source:	Remedial	Amount:	$900000
Action Name:	Remedial Design	Financial ID:	0013
Financial Type:	Commitment	Date:	10/16/2003
Budget Source:	Remedial	Amount:	$2800000
Action Name:	PRP Remedial Design	Financial ID:	0007
Financial Type:	Decommitment	Date:	10/16/2003
Budget Source:	Remedial	Amount:	$900000
Action Name:	PRP Remedial Design	Financial ID:	0002
Financial Type:	Decommitment	Date:	10/16/2003
Budget Source:	Remedial	Amount:	$900000

Action Name:	Remedial Design	Financial ID:	0015
Financial Type:	Decommitment	Date:	10/16/2003
Budget Source:	Remedial	Amount:	$2800000
Action Name:	PRP Remedial Design	Financial ID:	0006
Financial Type:	Decommitment	Date:	10/23/2003
Budget Source:	Remedial	Amount:	$900000
Action Name:	Remedial Design	Financial ID:	0014
Financial Type:	Decommitment	Date:	10/23/2003
Budget Source:	Remedial	Amount:	$2800000
Action Name:	PRP Remedial Design	Financial ID:	0006
Financial Type:	Actual Obligation	Date:	10/23/2003
Budget Source:	Remedial	Amount:	$900000
Action Name:	Remedial Design	Financial ID:	0013
Financial Type:	Actual Obligation	Date:	10/23/2003
Budget Source:	Remedial	Amount:	$2800000
Action Name:	PRP Remedial Design	Financial ID:	0001
Financial Type:	Decommitment	Date:	11/18/2003
Budget Source:	Remedial	Amount:	$900000
Action Name:	PRP Remedial Design	Financial ID:	0001
Financial Type:	Actual Obligation	Date:	11/18/2003
Budget Source:	Remedial	Amount:	$900000
Action Name:	PRP Remedial Design	Financial ID:	0016
Financial Type:	Deobligation	Date:	11/20/2003
Budget Source:	Remedial	Amount:	$161880
Action Name:	PRP Remedial Design	Financial ID:	0017
Financial Type:	Deobligation	Date:	11/20/2003
Budget Source:	Remedial	Amount:	$109866
Action Name:	Remedial Design	Financial ID:	0070
Financial Type:	Deobligation	Date:	11/20/2003
Budget Source:	Remedial	Amount:	$13913
Action Name:	Remedial Design	Financial ID:	0071
Financial Type:	Deobligation	Date:	11/20/2003
Budget Source:	Remedial	Amount:	$15492
Action Name:	Technical Assistence	Financial ID:	0003
Financial Type:	Deobligation	Date:	11/20/2003

Budget Source: Remedial Amount: $13134

Action Name: PRP Remedial Design Financial ID: 0014
Financial Type: Extramural Outlay (Payment) Date: 11/20/2003
Budget Source: Remedial Amount: $109866

Action Name: PRP Remedial Design Financial ID: 0015
Financial Type: Extramural Outlay (Payment) Date: 11/20/2003
Budget Source: Remedial Amount: $161880

Action Name: Remedial Design Financial ID: 0067
Financial Type: Extramural Outlay (Payment) Date: 11/20/2003
Budget Source: Remedial Amount: $13913

Action Name: Remedial Design Financial ID: 0068
Financial Type: Extramural Outlay (Payment) Date: 11/20/2003
Budget Source: Remedial Amount: $15492

Action Name: Technical Assistence Financial ID: 0003
Financial Type: Extramural Outlay (Payment) Date: 11/20/2003
Budget Source: Remedial Amount: $13134

Action Name: Remedial Design Financial ID: 0072
Financial Type: Deobligation Date: 11/26/2003
Budget Source: Remedial Amount: $4348

Action Name: Remedial Design Financial ID: 0073
Financial Type: Deobligation Date: 11/26/2003
Budget Source: Remedial Amount: $55306

Action Name: Remedial Design Financial ID: 0069
Financial Type: Extramural Outlay (Payment) Date: 11/26/2003
Budget Source: Remedial Amount: $4348

Action Name: Remedial Design Financial ID: 0070
Financial Type: Extramural Outlay (Payment) Date: 11/26/2003
Budget Source: Remedial Amount: $55306

Action Name: Remedial Design Financial ID: 0074
Financial Type: Deobligation Date: 12/09/2003
Budget Source: Remedial Amount: $317712

Action Name: Remedial Design Financial ID: 0071
Financial Type: Extramural Outlay (Payment) Date: 12/09/2003
Budget Source: Remedial Amount: $317712

Action Name: Technical Assistence Financial ID: 0004

Financial Type: Deobligation
Budget Source: Remedial
Date: 12/16/2003
Amount: $13831

Action Name: Technical Assistence
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0004
Date: 12/16/2003
Amount: $13831

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0075
Date: 12/17/2003
Amount: $8083

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0076
Date: 12/17/2003
Amount: $62186

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0077
Date: 12/17/2003
Amount: $125706

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0072
Date: 12/17/2003
Amount: $8083

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0073
Date: 12/17/2003
Amount: $62186

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0074
Date: 12/17/2003
Amount: $125706

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0078
Date: 12/24/2003
Amount: $516807

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0075
Date: 12/24/2003
Amount: $516807

Action Name: Combined RI/FS
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0050
Date: 12/29/2003
Amount: $8052

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0144
Date: 12/29/2003
Amount: $8052

Action Name:	Combined RI/FS	Financial ID:	0006
Financial Type:	Extramural Deoutlay (Credit)	Date:	12/29/2003
Budget Source:	Remedial	Amount:	$8052
Action Name:	PRP Remedial Design	Financial ID:	0018
Financial Type:	Deobligation	Date:	01/06/2004
Budget Source:	Remedial	Amount:	$24123
Action Name:	PRP Remedial Design	Financial ID:	0019
Financial Type:	Deobligation	Date:	01/06/2004
Budget Source:	Remedial	Amount:	$55320
Action Name:	PRP Remedial Design	Financial ID:	0020
Financial Type:	Deobligation	Date:	01/06/2004
Budget Source:	Remedial	Amount:	$225773
Action Name:	PRP Remedial Design	Financial ID:	0016
Financial Type:	Extramural Outlay (Payment)	Date:	01/06/2004
Budget Source:	Remedial	Amount:	$24123
Action Name:	PRP Remedial Design	Financial ID:	0017
Financial Type:	Extramural Outlay (Payment)	Date:	01/06/2004
Budget Source:	Remedial	Amount:	$55320
Action Name:	PRP Remedial Design	Financial ID:	0018
Financial Type:	Extramural Outlay (Payment)	Date:	01/06/2004
Budget Source:	Remedial	Amount:	$225773
Action Name:	Technical Assistence	Financial ID:	0005
Financial Type:	Deobligation	Date:	01/15/2004
Budget Source:	Remedial	Amount:	$24266
Action Name:	Technical Assistence	Financial ID:	0005
Financial Type:	Extramural Outlay (Payment)	Date:	01/15/2004
Budget Source:	Remedial	Amount:	$24266
Action Name:	Remedial Design	Financial ID:	0079
Financial Type:	Deobligation	Date:	02/09/2004
Budget Source:	Remedial	Amount:	$276705
Action Name:	Remedial Design	Financial ID:	0080
Financial Type:	Deobligation	Date:	02/09/2004
Budget Source:	Remedial	Amount:	$675
Action Name:	Remedial Design	Financial ID:	0081
Financial Type:	Deobligation	Date:	02/09/2004
Budget Source:	Remedial	Amount:	$39857

Action Name:	Remedial Design	Financial ID:	0076
Financial Type:	Extramural Outlay (Payment)	Date:	02/09/2004
Budget Source:	Remedial	Amount:	$276705
Action Name:	Remedial Design	Financial ID:	0077
Financial Type:	Extramural Outlay (Payment)	Date:	02/09/2004
Budget Source:	Remedial	Amount:	$675
Action Name:	Remedial Design	Financial ID:	0078
Financial Type:	Extramural Outlay (Payment)	Date:	02/09/2004
Budget Source:	Remedial	Amount:	$39857
Action Name:	Technical Assistence	Financial ID:	0006
Financial Type:	Deobligation	Date:	02/17/2004
Budget Source:	Remedial	Amount:	$13838
Action Name:	Technical Assistence	Financial ID:	0006
Financial Type:	Extramural Outlay (Payment)	Date:	02/17/2004
Budget Source:	Remedial	Amount:	$13838
Action Name:	Remedial Design	Financial ID:	0082
Financial Type:	Deobligation	Date:	02/25/2004
Budget Source:	Remedial	Amount:	$228385
Action Name:	Remedial Design	Financial ID:	0079
Financial Type:	Extramural Outlay (Payment)	Date:	02/25/2004
Budget Source:	Remedial	Amount:	$228385
Action Name:	Remedial Design	Financial ID:	0083
Financial Type:	Deobligation	Date:	03/10/2004
Budget Source:	Remedial	Amount:	$110187
Action Name:	Remedial Design	Financial ID:	0080
Financial Type:	Extramural Outlay (Payment)	Date:	03/10/2004
Budget Source:	Remedial	Amount:	$110187
Action Name:	Remedial Design	Financial ID:	0015
Financial Type:	Commitment	Date:	03/11/2004
Budget Source:	Remedial	Amount:	$1900000
Action Name:	Technical Assistence	Financial ID:	0007
Financial Type:	Deobligation	Date:	03/23/2004
Budget Source:	Remedial	Amount:	$24194
Action Name:	Technical Assistence	Financial ID:	0007
Financial Type:	Extramural Outlay (Payment)	Date:	03/23/2004

Budget Source: Remedial Amount: $24194

Action Name: PRP Remedial Design Financial ID: 0008
Financial Type: Commitment Date: 03/24/2004
Budget Source: Remedial Amount: $350000

Action Name: PRP Remedial Design Financial ID: 0003
Financial Type: Commitment Date: 03/24/2004
Budget Source: Remedial Amount: $650000

Action Name: PRP Remedial Design Financial ID: 0021
Financial Type: Deobligation Date: 03/29/2004
Budget Source: Remedial Amount: $199983

Action Name: PRP Remedial Design Financial ID: 0022
Financial Type: Deobligation Date: 03/29/2004
Budget Source: Remedial Amount: $61220

Action Name: PRP Remedial Design Financial ID: 0023
Financial Type: Deobligation Date: 03/29/2004
Budget Source: Remedial Amount: $144698

Action Name: PRP Remedial Design Financial ID: 0001
Financial Type: Deobligation Date: 03/29/2004
Budget Source: Remedial Amount: $1851

Action Name: PRP Remedial Design Financial ID: 0002
Financial Type: Deobligation Date: 03/29/2004
Budget Source: Remedial Amount: $1198

Action Name: PRP Remedial Design Financial ID: 0003
Financial Type: Deobligation Date: 03/29/2004
Budget Source: Remedial Amount: $2978

Action Name: Remedial Design Financial ID: 0084
Financial Type: Deobligation Date: 03/29/2004
Budget Source: Remedial Amount: $8141

Action Name: Remedial Design Financial ID: 0085
Financial Type: Deobligation Date: 03/29/2004
Budget Source: Remedial Amount: $4949

Action Name: Remedial Design Financial ID: 0086
Financial Type: Deobligation Date: 03/29/2004
Budget Source: Remedial Amount: $10143

Action Name: Remedial Design Financial ID: 0087

Financial Type: Deobligation
Budget Source: Remedial
Date: 03/29/2004
Amount: $10973

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0088
Date: 03/29/2004
Amount: $5692

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0019
Date: 03/29/2004
Amount: $199983

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0020
Date: 03/29/2004
Amount: $61220

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0021
Date: 03/29/2004
Amount: $144698

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0001
Date: 03/29/2004
Amount: $1851

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0002
Date: 03/29/2004
Amount: $2978

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0003
Date: 03/29/2004
Amount: $1198

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0081
Date: 03/29/2004
Amount: $8141

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0082
Date: 03/29/2004
Amount: $4949

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0083
Date: 03/29/2004
Amount: $10143

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0084
Date: 03/29/2004
Amount: $10973

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0085
Date: 03/29/2004
Amount: $5692

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0089
Date: 03/31/2004
Amount: $202061

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0086
Date: 03/31/2004
Amount: $202061

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0090
Date: 04/06/2004
Amount: $39730

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0087
Date: 04/06/2004
Amount: $39730

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0091
Date: 04/15/2004
Amount: $314807

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0088
Date: 04/15/2004
Amount: $314807

Action Name: Technical Assistence
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0008
Date: 04/19/2004
Amount: $11110

Action Name: Technical Assistence
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0008
Date: 04/19/2004
Amount: $11110

Action Name: PRP Remedial Design
Financial Type: Commitment
Budget Source: Remedial
Financial ID: 0009
Date: 04/20/2004
Amount: $350000

Action Name: PRP Remedial Design
Financial Type: Commitment
Budget Source: Remedial
Financial ID: 0004
Date: 04/20/2004
Amount: $650000

Action Name: Remedial Design
Financial Type: Commitment
Budget Source: Remedial
Financial ID: 0016
Date: 04/20/2004
Amount: $1900000

Action Name:	PRP Remedial Design	Financial ID:	0008
Financial Type:	Decommitment	Date:	04/20/2004
Budget Source:	Remedial	Amount:	$350000
Action Name:	PRP Remedial Design	Financial ID:	0003
Financial Type:	Decommitment	Date:	04/20/2004
Budget Source:	Remedial	Amount:	$650000
Action Name:	Remedial Design	Financial ID:	0016
Financial Type:	Decommitment	Date:	04/20/2004
Budget Source:	Remedial	Amount:	$1900000
Action Name:	PRP Remedial Design	Financial ID:	0009
Financial Type:	Decommitment	Date:	04/29/2004
Budget Source:	Remedial	Amount:	$350000
Action Name:	PRP Remedial Design	Financial ID:	0004
Financial Type:	Decommitment	Date:	04/29/2004
Budget Source:	Remedial	Amount:	$650000
Action Name:	PRP Remedial Design	Financial ID:	0007
Financial Type:	Actual Obligation	Date:	04/29/2004
Budget Source:	Remedial	Amount:	$350000
Action Name:	PRP Remedial Design	Financial ID:	0002
Financial Type:	Actual Obligation	Date:	04/29/2004
Budget Source:	Remedial	Amount:	$650000
Action Name:	Remedial Design	Financial ID:	0017
Financial Type:	Decommitment	Date:	04/30/2004
Budget Source:	Remedial	Amount:	$1900000
Action Name:	Remedial Design	Financial ID:	0014
Financial Type:	Actual Obligation	Date:	04/30/2004
Budget Source:	Remedial	Amount:	$1900000
Action Name:	Remedial Design	Financial ID:	0092
Financial Type:	Deobligation	Date:	05/05/2004
Budget Source:	Remedial	Amount:	$75593
Action Name:	Remedial Design	Financial ID:	0089
Financial Type:	Extramural Outlay (Payment)	Date:	05/05/2004
Budget Source:	Remedial	Amount:	$75593
Action Name:	Remedial Design	Financial ID:	0093
Financial Type:	Deobligation	Date:	05/11/2004

Budget Source: Remedial Amount: $241999

Action Name: Remedial Design Financial ID: 0090
Financial Type: Extramural Outlay (Payment) Date: 05/11/2004
Budget Source: Remedial Amount: $241999

Action Name: Technical Assistence Financial ID: 0009
Financial Type: Deobligation Date: 05/21/2004
Budget Source: Remedial Amount: $34644

Action Name: Technical Assistence Financial ID: 0009
Financial Type: Extramural Outlay (Payment) Date: 05/21/2004
Budget Source: Remedial Amount: $34644

Action Name: Technical Assistence Financial ID: 0010
Financial Type: Deobligation Date: 06/15/2004
Budget Source: Remedial Amount: $45103

Action Name: Technical Assistence Financial ID: 0010
Financial Type: Extramural Outlay (Payment) Date: 06/15/2004
Budget Source: Remedial Amount: $45103

Action Name: Remedial Design Financial ID: 0098
Financial Type: Deobligation Date: 06/16/2004
Budget Source: Remedial Amount: $177784

Action Name: Remedial Design Financial ID: 0099
Financial Type: Deobligation Date: 06/16/2004
Budget Source: Remedial Amount: $97147

Action Name: Remedial Design Financial ID: 0095
Financial Type: Extramural Outlay (Payment) Date: 06/16/2004
Budget Source: Remedial Amount: $177784

Action Name: Remedial Design Financial ID: 0096
Financial Type: Extramural Outlay (Payment) Date: 06/16/2004
Budget Source: Remedial Amount: $97147

Action Name: PRP Remedial Design Financial ID: 0024
Financial Type: Deobligation Date: 06/22/2004
Budget Source: Remedial Amount: $343378

Action Name: PRP Remedial Design Financial ID: 0025
Financial Type: Deobligation Date: 06/22/2004
Budget Source: Remedial Amount: $46676

Action Name: PRP Remedial Design Financial ID: 0026

Financial Type: Deobligation
Budget Source: Remedial
Date: 06/22/2004
Amount: $10633

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0027
Date: 06/22/2004
Amount: $6327

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0004
Date: 06/22/2004
Amount: $2501

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0005
Date: 06/22/2004
Amount: $89196

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0006
Date: 06/22/2004
Amount: $4166

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0007
Date: 06/22/2004
Amount: $164959

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0094
Date: 06/22/2004
Amount: $6208

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0095
Date: 06/22/2004
Amount: $7259

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0096
Date: 06/22/2004
Amount: $6139

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0097
Date: 06/22/2004
Amount: $11343

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0022
Date: 06/22/2004
Amount: $343378

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0023
Date: 06/22/2004
Amount: $46676

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0024
Date: 06/22/2004
Amount: $10633

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0025
Date: 06/22/2004
Amount: $6327

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0004
Date: 06/22/2004
Amount: $2501

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0005
Date: 06/22/2004
Amount: $89196

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0006
Date: 06/22/2004
Amount: $4166

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0007
Date: 06/22/2004
Amount: $164959

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0091
Date: 06/22/2004
Amount: $6208

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0092
Date: 06/22/2004
Amount: $7259

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0093
Date: 06/22/2004
Amount: $6139

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0094
Date: 06/22/2004
Amount: $11343

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0102
Date: 07/06/2004
Amount: $117296

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0103
Date: 07/06/2004
Amount: $27178

Action Name:	Remedial Design	Financial ID:	0104
Financial Type:	Deobligation	Date:	07/06/2004
Budget Source:	Remedial	Amount:	$171164
Action Name:	Remedial Design	Financial ID:	0099
Financial Type:	Extramural Outlay (Payment)	Date:	07/06/2004
Budget Source:	Remedial	Amount:	$117296
Action Name:	Remedial Design	Financial ID:	0100
Financial Type:	Extramural Outlay (Payment)	Date:	07/06/2004
Budget Source:	Remedial	Amount:	$27178
Action Name:	Remedial Design	Financial ID:	0101
Financial Type:	Extramural Outlay (Payment)	Date:	07/06/2004
Budget Source:	Remedial	Amount:	$171164
Action Name:	Combined RI/FS	Financial ID:	0145
Financial Type:	Deobligation	Date:	07/13/2004
Budget Source:	Remedial	Amount:	$5126
Action Name:	Combined RI/FS	Financial ID:	0146
Financial Type:	Deobligation	Date:	07/13/2004
Budget Source:	Remedial	Amount:	$875
Action Name:	Combined RI/FS	Financial ID:	0147
Financial Type:	Deobligation	Date:	07/13/2004
Budget Source:	Remedial	Amount:	$1320
Action Name:	Combined RI/FS	Financial ID:	0148
Financial Type:	Deobligation	Date:	07/13/2004
Budget Source:	Remedial	Amount:	$1251
Action Name:	Combined RI/FS	Financial ID:	0133
Financial Type:	Extramural Outlay (Payment)	Date:	07/13/2004
Budget Source:	Remedial	Amount:	$5126
Action Name:	Combined RI/FS	Financial ID:	0134
Financial Type:	Extramural Outlay (Payment)	Date:	07/13/2004
Budget Source:	Remedial	Amount:	$875
Action Name:	Combined RI/FS	Financial ID:	0135
Financial Type:	Extramural Outlay (Payment)	Date:	07/13/2004
Budget Source:	Remedial	Amount:	$1320
Action Name:	Combined RI/FS	Financial ID:	0136
Financial Type:	Extramural Outlay (Payment)	Date:	07/13/2004

Budget Source: Remedial
Amount: $1251

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0149
Date: 07/16/2004
Amount: $1160

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0150
Date: 07/16/2004
Amount: $1270

Action Name: Combined RI/FS
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0137
Date: 07/16/2004
Amount: $1270

Action Name: Combined RI/FS
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0138
Date: 07/16/2004
Amount: $1160

Action Name: Technical Assistence
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0011
Date: 07/21/2004
Amount: $51551

Action Name: Technical Assistence
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0011
Date: 07/21/2004
Amount: $51551

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0105
Date: 07/28/2004
Amount: $96345

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0102
Date: 07/28/2004
Amount: $96345

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0106
Date: 08/13/2004
Amount: $163116

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0103
Date: 08/13/2004
Amount: $163116

Action Name: Technical Assistence
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0012
Date: 08/19/2004
Amount: $6817

Action Name: Technical Assistence
Financial ID: 0012

Financial Type: Extramural Outlay (Payment) Date: 08/19/2004
Budget Source: Remedial Amount: $6817

Action Name: PRP Remedial Design Financial ID: 0005
Financial Type: Commitment Date: 09/08/2004
Budget Source: Remedial Amount: $662000

Action Name: Technical Assistence Financial ID: 0013
Financial Type: Deobligation Date: 09/08/2004
Budget Source: Remedial Amount: $998

Action Name: Technical Assistence Financial ID: 0013
Financial Type: Extramural Outlay (Payment) Date: 09/08/2004
Budget Source: Remedial Amount: $998

Action Name: Remedial Design Financial ID: 0107
Financial Type: Deobligation Date: 09/09/2004
Budget Source: Remedial Amount: $11459

Action Name: Remedial Design Financial ID: 0104
Financial Type: Extramural Outlay (Payment) Date: 09/09/2004
Budget Source: Remedial Amount: $11459

Action Name: Remedial Design Financial ID: 0108
Financial Type: Deobligation Date: 09/22/2004
Budget Source: Remedial Amount: $298588

Action Name: Remedial Design Financial ID: 0109
Financial Type: Deobligation Date: 09/22/2004
Budget Source: Remedial Amount: $2944

Action Name: Remedial Design Financial ID: 0105
Financial Type: Extramural Outlay (Payment) Date: 09/22/2004
Budget Source: Remedial Amount: $298588

Action Name: Remedial Design Financial ID: 0106
Financial Type: Extramural Outlay (Payment) Date: 09/22/2004
Budget Source: Remedial Amount: $2944

Action Name: PRP Remedial Design Financial ID: 0005
Financial Type: Decommitment Date: 09/28/2004
Budget Source: Remedial Amount: $662000

Action Name: PRP Remedial Design Financial ID: 0003
Financial Type: Actual Obligation Date: 09/28/2004
Budget Source: Remedial Amount: $662000

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0028
Date: 10/13/2004
Amount: $67807

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0029
Date: 10/13/2004
Amount: $44097

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0008
Date: 10/13/2004
Amount: $310261

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0009
Date: 10/13/2004
Amount: $101549

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0110
Date: 10/13/2004
Amount: $5006

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0026
Date: 10/13/2004
Amount: $67807

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0027
Date: 10/13/2004
Amount: $44097

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0008
Date: 10/13/2004
Amount: $310261

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0009
Date: 10/13/2004
Amount: $101549

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0107
Date: 10/13/2004
Amount: $5006

Action Name: Technical Assistence
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0015
Date: 10/15/2004
Amount: $175

Action Name: Technical Assistence
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0015
Date: 10/15/2004
Amount: $175

Action Name:	Remedial Design	Financial ID:	0111
Financial Type:	Deobligation	Date:	10/20/2004
Budget Source:	Remedial	Amount:	$156791
Action Name:	Remedial Design	Financial ID:	0108
Financial Type:	Extramural Outlay (Payment)	Date:	10/20/2004
Budget Source:	Remedial	Amount:	$156791
Action Name:	Remedial Design	Financial ID:	0112
Financial Type:	Deobligation	Date:	11/09/2004
Budget Source:	Remedial	Amount:	$18225
Action Name:	Remedial Design	Financial ID:	0109
Financial Type:	Extramural Outlay (Payment)	Date:	11/09/2004
Budget Source:	Remedial	Amount:	$18225
Action Name:	Remedial Design	Financial ID:	0113
Financial Type:	Deobligation	Date:	12/16/2004
Budget Source:	Remedial	Amount:	$3801
Action Name:	Remedial Design	Financial ID:	0110
Financial Type:	Extramural Outlay (Payment)	Date:	12/16/2004
Budget Source:	Remedial	Amount:	$3801
Action Name:	Remedial Design	Financial ID:	0114
Financial Type:	Deobligation	Date:	12/29/2004
Budget Source:	Remedial	Amount:	$207106
Action Name:	Remedial Design	Financial ID:	0115
Financial Type:	Deobligation	Date:	12/29/2004
Budget Source:	Remedial	Amount:	$183573
Action Name:	Remedial Design	Financial ID:	0116
Financial Type:	Deobligation	Date:	12/29/2004
Budget Source:	Remedial	Amount:	$1789
Action Name:	Remedial Design	Financial ID:	0111
Financial Type:	Extramural Outlay (Payment)	Date:	12/29/2004
Budget Source:	Remedial	Amount:	$207106
Action Name:	Remedial Design	Financial ID:	0112
Financial Type:	Extramural Outlay (Payment)	Date:	12/29/2004
Budget Source:	Remedial	Amount:	$183573
Action Name:	Remedial Design	Financial ID:	0113
Financial Type:	Extramural Outlay (Payment)	Date:	12/29/2004

Budget Source: Remedial Amount: $1789

Action Name: PRP Remedial Design Financial ID: 0030
Financial Type: Deobligation Date: 01/19/2005
Budget Source: Remedial Amount: $47881

Action Name: PRP Remedial Design Financial ID: 0031
Financial Type: Deobligation Date: 01/19/2005
Budget Source: Remedial Amount: $18832

Action Name: PRP Remedial Design Financial ID: 0032
Financial Type: Deobligation Date: 01/19/2005
Budget Source: Remedial Amount: $59220

Action Name: PRP Remedial Design Financial ID: 0033
Financial Type: Deobligation Date: 01/19/2005
Budget Source: Remedial Amount: $17034

Action Name: PRP Remedial Design Financial ID: 0034
Financial Type: Deobligation Date: 01/19/2005
Budget Source: Remedial Amount: $10674

Action Name: PRP Remedial Design Financial ID: 0010
Financial Type: Deobligation Date: 01/19/2005
Budget Source: Remedial Amount: $217731

Action Name: PRP Remedial Design Financial ID: 0011
Financial Type: Deobligation Date: 01/19/2005
Budget Source: Remedial Amount: $158887

Action Name: PRP Remedial Design Financial ID: 0012
Financial Type: Deobligation Date: 01/19/2005
Budget Source: Remedial Amount: $3611

Action Name: PRP Remedial Design Financial ID: 0013
Financial Type: Deobligation Date: 01/19/2005
Budget Source: Remedial Amount: $2507

Action Name: PRP Remedial Design Financial ID: 0014
Financial Type: Deobligation Date: 01/19/2005
Budget Source: Remedial Amount: $105684

Action Name: Remedial Design Financial ID: 0117
Financial Type: Deobligation Date: 01/19/2005
Budget Source: Remedial Amount: $3013

Action Name: Remedial Design Financial ID: 0118

Financial Type: Deobligation
Budget Source: Remedial
Date: 01/19/2005
Amount: $5383

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0119
Date: 01/19/2005
Amount: $4916

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0120
Date: 01/19/2005
Amount: $213

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0121
Date: 01/19/2005
Amount: $4181

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0028
Date: 01/19/2005
Amount: $47881

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0029
Date: 01/19/2005
Amount: $18832

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0030
Date: 01/19/2005
Amount: $59220

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0031
Date: 01/19/2005
Amount: $17034

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0032
Date: 01/19/2005
Amount: $10674

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0010
Date: 01/19/2005
Amount: $217731

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0011
Date: 01/19/2005
Amount: $158887

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0012
Date: 01/19/2005
Amount: $3611

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0013
Date: 01/19/2005
Amount: $2507

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0014
Date: 01/19/2005
Amount: $105684

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0114
Date: 01/19/2005
Amount: $3013

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0115
Date: 01/19/2005
Amount: $5383

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0116
Date: 01/19/2005
Amount: $4916

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0117
Date: 01/19/2005
Amount: $213

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0118
Date: 01/19/2005
Amount: $4181

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0122
Date: 02/01/2005
Amount: $124967

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0119
Date: 02/01/2005
Amount: $124967

Action Name: PRP Remedial Design
Financial Type: Commitment
Budget Source: Remedial
Financial ID: 0006
Date: 02/04/2005
Amount: $1000000

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0123
Date: 02/17/2005
Amount: $192228

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0124
Date: 02/17/2005
Amount: $1263

Action Name:	Remedial Design	Financial ID:	0120
Financial Type:	Extramural Outlay (Payment)	Date:	02/17/2005
Budget Source:	Remedial	Amount:	$192228
Action Name:	Remedial Design	Financial ID:	0121
Financial Type:	Extramural Outlay (Payment)	Date:	02/17/2005
Budget Source:	Remedial	Amount:	$1263
Action Name:	PRP Remedial Design	Financial ID:	0006
Financial Type:	Decommitment	Date:	03/02/2005
Budget Source:	Remedial	Amount:	$1000000
Action Name:	PRP Remedial Design	Financial ID:	0004
Financial Type:	Actual Obligation	Date:	03/02/2005
Budget Source:	Remedial	Amount:	$1000000
Action Name:	Remedial Design	Financial ID:	0017
Financial Type:	Commitment	Date:	03/10/2005
Budget Source:	Remedial	Amount:	$1020000
Action Name:	Remedial Design	Financial ID:	0125
Financial Type:	Deobligation	Date:	03/23/2005
Budget Source:	Remedial	Amount:	$6972
Action Name:	Remedial Design	Financial ID:	0122
Financial Type:	Extramural Outlay (Payment)	Date:	03/23/2005
Budget Source:	Remedial	Amount:	$6972
Action Name:	Remedial Design	Financial ID:	0018
Financial Type:	Decommitment	Date:	04/08/2005
Budget Source:	Remedial	Amount:	$1020000
Action Name:	Remedial Design	Financial ID:	0015
Financial Type:	Actual Obligation	Date:	04/08/2005
Budget Source:	Remedial	Amount:	$1020000
Action Name:	Remedial Design	Financial ID:	0126
Financial Type:	Deobligation	Date:	04/12/2005
Budget Source:	Remedial	Amount:	$5666
Action Name:	Remedial Design	Financial ID:	0123
Financial Type:	Extramural Outlay (Payment)	Date:	04/12/2005
Budget Source:	Remedial	Amount:	$5666
Action Name:	Combined RI/FS	Financial ID:	0151
Financial Type:	Deobligation	Date:	04/25/2005

Budget Source: Remedial
Amount: $525

Action Name: Combined RI/FS
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0139
Date: 04/25/2005
Amount: $525

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0152
Date: 04/26/2005
Amount: $4946

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0153
Date: 04/26/2005
Amount: $638

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0154
Date: 04/26/2005
Amount: $833

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0155
Date: 04/26/2005
Amount: $312

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0156
Date: 04/26/2005
Amount: $8803

Action Name: Combined RI/FS
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0140
Date: 04/26/2005
Amount: $4946

Action Name: Combined RI/FS
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0141
Date: 04/26/2005
Amount: $638

Action Name: Combined RI/FS
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0142
Date: 04/26/2005
Amount: $833

Action Name: Combined RI/FS
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0143
Date: 04/26/2005
Amount: $312

Action Name: Combined RI/FS
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0144
Date: 04/26/2005
Amount: $8803

Action Name: Remedial Design
Financial ID: 0127

Financial Type: Deobligation
Budget Source: Remedial
Date: 05/05/2005
Amount: $136184

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0128
Date: 05/05/2005
Amount: $35314

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0129
Date: 05/05/2005
Amount: $117818

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0124
Date: 05/05/2005
Amount: $136184

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0125
Date: 05/05/2005
Amount: $35314

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0126
Date: 05/05/2005
Amount: $117818

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0130
Date: 05/11/2005
Amount: $5145

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0127
Date: 05/11/2005
Amount: $5145

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0131
Date: 05/24/2005
Amount: $19713

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0132
Date: 05/24/2005
Amount: $69761

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0128
Date: 05/24/2005
Amount: $19713

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0129
Date: 05/24/2005
Amount: $69761

Action Name:	Community Involvement	Financial ID:	0009
Financial Type:	Deobligation	Date:	05/26/2005
Budget Source:	Remedial	Amount:	$450
Action Name:	Remedial Design	Financial ID:	0133
Financial Type:	Deobligation	Date:	06/10/2005
Budget Source:	Remedial	Amount:	$5488
Action Name:	Remedial Design	Financial ID:	0130
Financial Type:	Extramural Outlay (Payment)	Date:	06/10/2005
Budget Source:	Remedial	Amount:	$5488
Action Name:	PRP Remedial Design	Financial ID:	0035
Financial Type:	Deobligation	Date:	06/14/2005
Budget Source:	Remedial	Amount:	$6501
Action Name:	PRP Remedial Design	Financial ID:	0036
Financial Type:	Deobligation	Date:	06/14/2005
Budget Source:	Remedial	Amount:	$3128
Action Name:	PRP Remedial Design	Financial ID:	0037
Financial Type:	Deobligation	Date:	06/14/2005
Budget Source:	Remedial	Amount:	$56991
Action Name:	PRP Remedial Design	Financial ID:	0038
Financial Type:	Deobligation	Date:	06/14/2005
Budget Source:	Remedial	Amount:	$29040
Action Name:	PRP Remedial Design	Financial ID:	0039
Financial Type:	Deobligation	Date:	06/14/2005
Budget Source:	Remedial	Amount:	$5546
Action Name:	PRP Remedial Design	Financial ID:	0015
Financial Type:	Deobligation	Date:	06/14/2005
Budget Source:	Remedial	Amount:	$285427
Action Name:	PRP Remedial Design	Financial ID:	0016
Financial Type:	Deobligation	Date:	06/14/2005
Budget Source:	Remedial	Amount:	$10014
Action Name:	PRP Remedial Design	Financial ID:	0017
Financial Type:	Deobligation	Date:	06/14/2005
Budget Source:	Remedial	Amount:	$87481
Action Name:	PRP Remedial Design	Financial ID:	0018
Financial Type:	Deobligation	Date:	06/14/2005
Budget Source:	Remedial	Amount:	$3222

Action Name:	PRP Remedial Design	Financial ID:	0019
Financial Type:	Deobligation	Date:	06/14/2005
Budget Source:	Remedial	Amount:	$231901
Action Name:	PRP Remedial Design	Financial ID:	0020
Financial Type:	Deobligation	Date:	06/14/2005
Budget Source:	Remedial	Amount:	$99295
Action Name:	Remedial Design	Financial ID:	0134
Financial Type:	Deobligation	Date:	06/14/2005
Budget Source:	Remedial	Amount:	$12367
Action Name:	Remedial Design	Financial ID:	0135
Financial Type:	Deobligation	Date:	06/14/2005
Budget Source:	Remedial	Amount:	$3320
Action Name:	Remedial Design	Financial ID:	0136
Financial Type:	Deobligation	Date:	06/14/2005
Budget Source:	Remedial	Amount:	$2921
Action Name:	Remedial Design	Financial ID:	0137
Financial Type:	Deobligation	Date:	06/14/2005
Budget Source:	Remedial	Amount:	$13610
Action Name:	Remedial Design	Financial ID:	0138
Financial Type:	Deobligation	Date:	06/14/2005
Budget Source:	Remedial	Amount:	$2876
Action Name:	PRP Remedial Design	Financial ID:	0033
Financial Type:	Extramural Outlay (Payment)	Date:	06/14/2005
Budget Source:	Remedial	Amount:	$6501
Action Name:	PRP Remedial Design	Financial ID:	0034
Financial Type:	Extramural Outlay (Payment)	Date:	06/14/2005
Budget Source:	Remedial	Amount:	$3128
Action Name:	PRP Remedial Design	Financial ID:	0035
Financial Type:	Extramural Outlay (Payment)	Date:	06/14/2005
Budget Source:	Remedial	Amount:	$56991
Action Name:	PRP Remedial Design	Financial ID:	0036
Financial Type:	Extramural Outlay (Payment)	Date:	06/14/2005
Budget Source:	Remedial	Amount:	$29040
Action Name:	PRP Remedial Design	Financial ID:	0037
Financial Type:	Extramural Outlay (Payment)	Date:	06/14/2005

Budget Source: Remedial Amount: $5546

Action Name: PRP Remedial Design Financial ID: 0015
Financial Type: Extramural Outlay (Payment) Date: 06/14/2005
Budget Source: Remedial Amount: $285427

Action Name: PRP Remedial Design Financial ID: 0016
Financial Type: Extramural Outlay (Payment) Date: 06/14/2005
Budget Source: Remedial Amount: $10014

Action Name: PRP Remedial Design Financial ID: 0017
Financial Type: Extramural Outlay (Payment) Date: 06/14/2005
Budget Source: Remedial Amount: $87481

Action Name: PRP Remedial Design Financial ID: 0018
Financial Type: Extramural Outlay (Payment) Date: 06/14/2005
Budget Source: Remedial Amount: $3222

Action Name: PRP Remedial Design Financial ID: 0019
Financial Type: Extramural Outlay (Payment) Date: 06/14/2005
Budget Source: Remedial Amount: $231901

Action Name: PRP Remedial Design Financial ID: 0020
Financial Type: Extramural Outlay (Payment) Date: 06/14/2005
Budget Source: Remedial Amount: $99295

Action Name: Remedial Design Financial ID: 0131
Financial Type: Extramural Outlay (Payment) Date: 06/14/2005
Budget Source: Remedial Amount: $12367

Action Name: Remedial Design Financial ID: 0132
Financial Type: Extramural Outlay (Payment) Date: 06/14/2005
Budget Source: Remedial Amount: $3320

Action Name: Remedial Design Financial ID: 0133
Financial Type: Extramural Outlay (Payment) Date: 06/14/2005
Budget Source: Remedial Amount: $2921

Action Name: Remedial Design Financial ID: 0134
Financial Type: Extramural Outlay (Payment) Date: 06/14/2005
Budget Source: Remedial Amount: $13610

Action Name: Remedial Design Financial ID: 0135
Financial Type: Extramural Outlay (Payment) Date: 06/14/2005
Budget Source: Remedial Amount: $2876

Action Name: Technical Assistence Financial ID: 0016

Financial Type: Deobligation
Budget Source: Remedial
Date: 06/27/2005
Amount: $12667

Action Name: Technical Assistence
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0016
Date: 06/27/2005
Amount: $12667

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0139
Date: 06/29/2005
Amount: $110929

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0136
Date: 06/29/2005
Amount: $110929

Action Name: State Support Agency Cooperative Agreement
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0010
Date: 06/30/2005
Amount: $31200

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0021
Date: 06/30/2005
Amount: $272510

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0140
Date: 06/30/2005
Amount: $71207

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0021
Date: 06/30/2005
Amount: $272510

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0137
Date: 06/30/2005
Amount: $71207

Action Name: State Support Agency Cooperative Agreement
Financial Type: Extramural Deoutlay (Credit)
Budget Source: Remedial
Financial ID: 0001
Date: 06/30/2005
Amount: $31200

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0141
Date: 08/02/2005
Amount: $76209

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0138
Date: 08/02/2005
Amount: $76209

Action Name:	PRP Remedial Design	Financial ID:	0007
Financial Type:	Commitment	Date:	08/08/2005
Budget Source:	Remedial	Amount:	$1110000
Action Name:	PRP Remedial Design	Financial ID:	0008
Financial Type:	Commitment	Date:	08/08/2005
Budget Source:	Remedial	Amount:	$1110000
Action Name:	PRP Remedial Design	Financial ID:	0007
Financial Type:	Decommitment	Date:	08/08/2005
Budget Source:	Remedial	Amount:	$1110000
Action Name:	PRP Remedial Design	Financial ID:	0008
Financial Type:	Decommitment	Date:	08/25/2005
Budget Source:	Remedial	Amount:	$1110000
Action Name:	PRP Remedial Design	Financial ID:	0005
Financial Type:	Actual Obligation	Date:	08/25/2005
Budget Source:	Remedial	Amount:	$1110000
Action Name:	PRP Remedial Design	Financial ID:	0022
Financial Type:	Deobligation	Date:	08/30/2005
Budget Source:	Remedial	Amount:	$424726
Action Name:	PRP Remedial Design	Financial ID:	0023
Financial Type:	Deobligation	Date:	08/30/2005
Budget Source:	Remedial	Amount:	$55072
Action Name:	PRP Remedial Design	Financial ID:	0024
Financial Type:	Deobligation	Date:	08/30/2005
Budget Source:	Remedial	Amount:	$47277
Action Name:	PRP Remedial Design	Financial ID:	0022
Financial Type:	Extramural Outlay (Payment)	Date:	08/30/2005
Budget Source:	Remedial	Amount:	$424726
Action Name:	PRP Remedial Design	Financial ID:	0023
Financial Type:	Extramural Outlay (Payment)	Date:	08/30/2005
Budget Source:	Remedial	Amount:	$55072
Action Name:	PRP Remedial Design	Financial ID:	0024
Financial Type:	Extramural Outlay (Payment)	Date:	08/30/2005
Budget Source:	Remedial	Amount:	$47277
Action Name:	Remedial Design	Financial ID:	0145
Financial Type:	Deobligation	Date:	09/07/2005
Budget Source:	Remedial	Amount:	$79330

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0142
Date: 09/07/2005
Amount: $79330

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0142
Date: 09/12/2005
Amount: $14404

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0143
Date: 09/12/2005
Amount: $2428

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0144
Date: 09/12/2005
Amount: $2421

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0139
Date: 09/12/2005
Amount: $14404

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0140
Date: 09/12/2005
Amount: $2428

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0141
Date: 09/12/2005
Amount: $2421

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0025
Date: 09/21/2005
Amount: $225996

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0025
Date: 09/21/2005
Amount: $225996

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0146
Date: 09/27/2005
Amount: $3051

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0143
Date: 09/27/2005
Amount: $3051

Action Name: Remedial Design
Financial Type: Deobligation
Financial ID: 0147
Date: 10/12/2005

Budget Source: Remedial Amount: $117151

Action Name: Remedial Design Financial ID: 0144
Financial Type: Extramural Outlay (Payment) Date: 10/12/2005
Budget Source: Remedial Amount: $117151

Action Name: Remedial Design Financial ID: 0148
Financial Type: Deobligation Date: 11/09/2005
Budget Source: Remedial Amount: $118442

Action Name: Remedial Design Financial ID: 0145
Financial Type: Extramural Outlay (Payment) Date: 11/09/2005
Budget Source: Remedial Amount: $118442

Action Name: Remedial Design Financial ID: 0018
Financial Type: Commitment Date: 12/02/2005
Budget Source: Remedial Amount: $1000000

Action Name: Remedial Design Financial ID: 0149
Financial Type: Deobligation Date: 12/13/2005
Budget Source: Remedial Amount: $105275

Action Name: Remedial Design Financial ID: 0146
Financial Type: Extramural Outlay (Payment) Date: 12/13/2005
Budget Source: Remedial Amount: $105275

Action Name: PRP Remedial Design Financial ID: 0009
Financial Type: Commitment Date: 12/20/2005
Budget Source: Remedial Amount: $1500000

Action Name: PRP Remedial Design Financial ID: 0040
Financial Type: Deobligation Date: 12/28/2005
Budget Source: Remedial Amount: $2000

Action Name: PRP Remedial Design Financial ID: 0041
Financial Type: Deobligation Date: 12/28/2005
Budget Source: Remedial Amount: $1811

Action Name: PRP Remedial Design Financial ID: 0042
Financial Type: Deobligation Date: 12/28/2005
Budget Source: Remedial Amount: $11969

Action Name: PRP Remedial Design Financial ID: 0043
Financial Type: Deobligation Date: 12/28/2005
Budget Source: Remedial Amount: $6171

Action Name: PRP Remedial Design Financial ID: 0038

Financial Type: Extramural Outlay (Payment) Date: 12/28/2005
Budget Source: Remedial Amount: $2000

Action Name: PRP Remedial Design Financial ID: 0039
Financial Type: Extramural Outlay (Payment) Date: 12/28/2005
Budget Source: Remedial Amount: $1811

Action Name: PRP Remedial Design Financial ID: 0040
Financial Type: Extramural Outlay (Payment) Date: 12/28/2005
Budget Source: Remedial Amount: $11969

Action Name: PRP Remedial Design Financial ID: 0041
Financial Type: Extramural Outlay (Payment) Date: 12/28/2005
Budget Source: Remedial Amount: $6171

Action Name: PRP Remedial Design Financial ID: 0026
Financial Type: Deobligation Date: 01/10/2006
Budget Source: Remedial Amount: $1306

Action Name: PRP Remedial Design Financial ID: 0027
Financial Type: Deobligation Date: 01/10/2006
Budget Source: Remedial Amount: $10369

Action Name: PRP Remedial Design Financial ID: 0028
Financial Type: Deobligation Date: 01/10/2006
Budget Source: Remedial Amount: $87200

Action Name: PRP Remedial Design Financial ID: 0029
Financial Type: Deobligation Date: 01/10/2006
Budget Source: Remedial Amount: $214802

Action Name: PRP Remedial Design Financial ID: 0030
Financial Type: Deobligation Date: 01/10/2006
Budget Source: Remedial Amount: $54913

Action Name: PRP Remedial Design Financial ID: 0026
Financial Type: Extramural Outlay (Payment) Date: 01/10/2006
Budget Source: Remedial Amount: $1306

Action Name: PRP Remedial Design Financial ID: 0027
Financial Type: Extramural Outlay (Payment) Date: 01/10/2006
Budget Source: Remedial Amount: $10369

Action Name: PRP Remedial Design Financial ID: 0028
Financial Type: Extramural Outlay (Payment) Date: 01/10/2006
Budget Source: Remedial Amount: $87200

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0029
Date: 01/10/2006
Amount: $214802

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0030
Date: 01/10/2006
Amount: $54913

Action Name: PRP Remedial Design
Financial Type: Decommitment
Budget Source: Remedial
Financial ID: 0009
Date: 01/20/2006
Amount: $1500000

Action Name: PRP Remedial Design
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0006
Date: 01/20/2006
Amount: $1500000

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0044
Date: 01/23/2006
Amount: $15918

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0045
Date: 01/23/2006
Amount: $3015

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0046
Date: 01/23/2006
Amount: $626

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0047
Date: 01/23/2006
Amount: $26521

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0150
Date: 01/23/2006
Amount: $3022

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0151
Date: 01/23/2006
Amount: $6474

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0152
Date: 01/23/2006
Amount: $1447

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0042
Date: 01/23/2006
Amount: $15918

Action Name:	PRP Remedial Design	Financial ID:	0043
Financial Type:	Extramural Outlay (Payment)	Date:	01/23/2006
Budget Source:	Remedial	Amount:	$3015
Action Name:	PRP Remedial Design	Financial ID:	0044
Financial Type:	Extramural Outlay (Payment)	Date:	01/23/2006
Budget Source:	Remedial	Amount:	$626
Action Name:	PRP Remedial Design	Financial ID:	0045
Financial Type:	Extramural Outlay (Payment)	Date:	01/23/2006
Budget Source:	Remedial	Amount:	$26521
Action Name:	Remedial Design	Financial ID:	0147
Financial Type:	Extramural Outlay (Payment)	Date:	01/23/2006
Budget Source:	Remedial	Amount:	$3022
Action Name:	Remedial Design	Financial ID:	0148
Financial Type:	Extramural Outlay (Payment)	Date:	01/23/2006
Budget Source:	Remedial	Amount:	$6474
Action Name:	Remedial Design	Financial ID:	0149
Financial Type:	Extramural Outlay (Payment)	Date:	01/23/2006
Budget Source:	Remedial	Amount:	$1447
Action Name:	Remedial Design	Financial ID:	0153
Financial Type:	Deobligation	Date:	02/14/2006
Budget Source:	Remedial	Amount:	$66905
Action Name:	Remedial Design	Financial ID:	0150
Financial Type:	Extramural Outlay (Payment)	Date:	02/14/2006
Budget Source:	Remedial	Amount:	$66905
Action Name:	PRP Remedial Design	Financial ID:	0031
Financial Type:	Deobligation	Date:	03/03/2006
Budget Source:	Remedial	Amount:	$3124
Action Name:	PRP Remedial Design	Financial ID:	0032
Financial Type:	Deobligation	Date:	03/03/2006
Budget Source:	Remedial	Amount:	$500099
Action Name:	PRP Remedial Design	Financial ID:	0031
Financial Type:	Extramural Outlay (Payment)	Date:	03/03/2006
Budget Source:	Remedial	Amount:	$3124
Action Name:	PRP Remedial Design	Financial ID:	0032
Financial Type:	Extramural Outlay (Payment)	Date:	03/03/2006

Budget Source: Remedial
Amount: $500099

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0154
Date: 03/06/2006
Amount: $75686

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0151
Date: 03/06/2006
Amount: $75686

Action Name: Remedial Design
Financial Type: Decommitment
Budget Source: Remedial
Financial ID: 0019
Date: 03/31/2006
Amount: $1000000

Action Name: Remedial Design
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0016
Date: 03/31/2006
Amount: $1000000

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0155
Date: 04/03/2006
Amount: $48933

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0156
Date: 04/03/2006
Amount: $32078

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0152
Date: 04/03/2006
Amount: $48933

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0153
Date: 04/03/2006
Amount: $32078

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0033
Date: 04/18/2006
Amount: $43433

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0034
Date: 04/18/2006
Amount: $197564

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0160
Date: 04/18/2006
Amount: $71824

Action Name: PRP Remedial Design
Financial ID: 0033

Financial Type: Extramural Outlay (Payment) Date: 04/18/2006
Budget Source: Remedial Amount: $43433

Action Name: PRP Remedial Design Financial ID: 0034
Financial Type: Extramural Outlay (Payment) Date: 04/18/2006
Budget Source: Remedial Amount: $197564

Action Name: Remedial Design Financial ID: 0157
Financial Type: Extramural Outlay (Payment) Date: 04/18/2006
Budget Source: Remedial Amount: $71824

Action Name: Combined RI/FS Financial ID: 0157
Financial Type: Deobligation Date: 04/21/2006
Budget Source: Remedial Amount: $56000

Action Name: PRP Remedial Design Financial ID: 0048
Financial Type: Deobligation Date: 05/09/2006
Budget Source: Remedial Amount: $21910

Action Name: PRP Remedial Design Financial ID: 0049
Financial Type: Deobligation Date: 05/09/2006
Budget Source: Remedial Amount: $16692

Action Name: PRP Remedial Design Financial ID: 0050
Financial Type: Deobligation Date: 05/09/2006
Budget Source: Remedial Amount: $20551

Action Name: Remedial Design Financial ID: 0157
Financial Type: Deobligation Date: 05/09/2006
Budget Source: Remedial Amount: $2017

Action Name: Remedial Design Financial ID: 0158
Financial Type: Deobligation Date: 05/09/2006
Budget Source: Remedial Amount: $3275

Action Name: Remedial Design Financial ID: 0159
Financial Type: Deobligation Date: 05/09/2006
Budget Source: Remedial Amount: $10738

Action Name: PRP Remedial Design Financial ID: 0046
Financial Type: Extramural Outlay (Payment) Date: 05/09/2006
Budget Source: Remedial Amount: $21910

Action Name: PRP Remedial Design Financial ID: 0047
Financial Type: Extramural Outlay (Payment) Date: 05/09/2006
Budget Source: Remedial Amount: $16692

Action Name:	PRP Remedial Design	Financial ID:	0048
Financial Type:	Extramural Outlay (Payment)	Date:	05/09/2006
Budget Source:	Remedial	Amount:	$20551
Action Name:	Remedial Design	Financial ID:	0154
Financial Type:	Extramural Outlay (Payment)	Date:	05/09/2006
Budget Source:	Remedial	Amount:	$2017
Action Name:	Remedial Design	Financial ID:	0155
Financial Type:	Extramural Outlay (Payment)	Date:	05/09/2006
Budget Source:	Remedial	Amount:	$3275
Action Name:	Remedial Design	Financial ID:	0156
Financial Type:	Extramural Outlay (Payment)	Date:	05/09/2006
Budget Source:	Remedial	Amount:	$10738
Action Name:	Removal	Financial ID:	0003
Financial Type:	Commitment	Date:	05/24/2006
Budget Source:	Removal	Amount:	$15000
Action Name:	Remedial Design	Financial ID:	0161
Financial Type:	Deobligation	Date:	05/24/2006
Budget Source:	Remedial	Amount:	$98554
Action Name:	Remedial Design	Financial ID:	0158
Financial Type:	Extramural Outlay (Payment)	Date:	05/24/2006
Budget Source:	Remedial	Amount:	$98554
Action Name:	State Support Agency Cooperative Agreement	Financial ID:	0006
Financial Type:	Deobligation	Date:	05/26/2006
Budget Source:	Remedial	Amount:	$31200
Action Name:	Removal	Financial ID:	0003
Financial Type:	Decommitment	Date:	06/08/2006
Budget Source:	Removal	Amount:	$15000
Action Name:	Removal	Financial ID:	0003
Financial Type:	Actual Obligation	Date:	06/08/2006
Budget Source:	Removal	Amount:	$15000
Action Name:	Remedial Design	Financial ID:	0162
Financial Type:	Deobligation	Date:	06/19/2006
Budget Source:	Remedial	Amount:	$136009
Action Name:	Remedial Design	Financial ID:	0159
Financial Type:	Extramural Outlay (Payment)	Date:	06/19/2006
Budget Source:	Remedial	Amount:	$136009

Action Name:	Removal Assessment	Financial ID:	0001
Financial Type:	Commitment	Date:	06/20/2006
Budget Source:	Removal	Amount:	$50000
Action Name:	Removal Assessment	Financial ID:	0001
Financial Type:	Decommitment	Date:	06/23/2006
Budget Source:	Removal	Amount:	$50000
Action Name:	Removal Assessment	Financial ID:	0002
Financial Type:	Actual Obligation	Date:	06/23/2006
Budget Source:	Removal	Amount:	$50000
Action Name:	Technical Assistence	Financial ID:	0002
Financial Type:	Actual Obligation	Date:	06/27/2006
Budget Source:	Remedial	Amount:	$1814
Action Name:	Remedial Design	Financial ID:	0166
Financial Type:	Deobligation	Date:	07/10/2006
Budget Source:	Remedial	Amount:	$112135
Action Name:	Remedial Design	Financial ID:	0163
Financial Type:	Extramural Outlay (Payment)	Date:	07/10/2006
Budget Source:	Remedial	Amount:	$112135
Action Name:	PRP Remedial Design	Financial ID:	0051
Financial Type:	Deobligation	Date:	07/11/2006
Budget Source:	Remedial	Amount:	$2818
Action Name:	Remedial Design	Financial ID:	0163
Financial Type:	Deobligation	Date:	07/11/2006
Budget Source:	Remedial	Amount:	$3028
Action Name:	PRP Remedial Design	Financial ID:	0049
Financial Type:	Extramural Outlay (Payment)	Date:	07/11/2006
Budget Source:	Remedial	Amount:	$2818
Action Name:	Remedial Design	Financial ID:	0160
Financial Type:	Extramural Outlay (Payment)	Date:	07/11/2006
Budget Source:	Remedial	Amount:	$3028
Action Name:	PRP Remedial Design	Financial ID:	0010
Financial Type:	Commitment	Date:	07/14/2006
Budget Source:	Remedial	Amount:	$24000
Action Name:	PRP Remedial Design	Financial ID:	0052
Financial Type:	Deobligation	Date:	07/14/2006

Budget Source: Remedial
Amount: $813

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0035
Date: 07/14/2006
Amount: $12031

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0164
Date: 07/14/2006
Amount: $2554

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0165
Date: 07/14/2006
Amount: $9534

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0050
Date: 07/14/2006
Amount: $813

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0035
Date: 07/14/2006
Amount: $12031

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0161
Date: 07/14/2006
Amount: $2554

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0162
Date: 07/14/2006
Amount: $9534

Action Name: Technical Assistence
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0017
Date: 07/21/2006
Amount: $3114

Action Name: Technical Assistence
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0017
Date: 07/21/2006
Amount: $3114

Action Name: Removal Assessment
Financial Type: Deobligation
Budget Source: Removal
Financial ID: 0002
Date: 07/26/2006
Amount: $1239

Action Name: Removal Assessment
Financial Type: Extramural Outlay (Payment)
Budget Source: Removal
Financial ID: 0002
Date: 07/26/2006
Amount: $1239

Action Name: PRP Remedial Design
Financial ID: 0036

Financial Type: Deobligation
Budget Source: Remedial
Date: 08/01/2006
Amount: $287162

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0037
Date: 08/01/2006
Amount: $30474

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0038
Date: 08/01/2006
Amount: $129566

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0036
Date: 08/01/2006
Amount: $287162

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0037
Date: 08/01/2006
Amount: $30474

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0038
Date: 08/01/2006
Amount: $129566

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0167
Date: 08/14/2006
Amount: $86606

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0164
Date: 08/14/2006
Amount: $86606

Action Name: Removal Assessment
Financial Type: Deobligation
Budget Source: Removal
Financial ID: 0003
Date: 08/21/2006
Amount: $8507

Action Name: Removal Assessment
Financial Type: Extramural Outlay (Payment)
Budget Source: Removal
Financial ID: 0003
Date: 08/21/2006
Amount: $8507

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0053
Date: 08/25/2006
Amount: $2977

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0051
Date: 08/25/2006
Amount: $2977

Action Name:	Remedial Design	Financial ID:	0003
Financial Type:	Deobligation	Date:	09/01/2006
Budget Source:	Remedial	Amount:	$88367
Action Name:	Remedial Design	Financial ID:	0001
Financial Type:	Extramural Outlay (Payment)	Date:	09/01/2006
Budget Source:	Remedial	Amount:	$88367
Action Name:	PRP Remedial Design	Financial ID:	0010
Financial Type:	Decommitment	Date:	09/12/2006
Budget Source:	Remedial	Amount:	$24000
Action Name:	PRP Remedial Design	Financial ID:	0007
Financial Type:	Actual Obligation	Date:	09/12/2006
Budget Source:	Remedial	Amount:	$22122
Action Name:	Remedial Design	Financial ID:	0168
Financial Type:	Deobligation	Date:	09/14/2006
Budget Source:	Remedial	Amount:	$2953
Action Name:	Remedial Design	Financial ID:	0165
Financial Type:	Extramural Outlay (Payment)	Date:	09/14/2006
Budget Source:	Remedial	Amount:	$2953
Action Name:	PRP Remedial Design	Financial ID:	0054
Financial Type:	Deobligation	Date:	09/25/2006
Budget Source:	Remedial	Amount:	$823
Action Name:	PRP Remedial Design	Financial ID:	0039
Financial Type:	Deobligation	Date:	09/25/2006
Budget Source:	Remedial	Amount:	$5701
Action Name:	Remedial Design	Financial ID:	0169
Financial Type:	Deobligation	Date:	09/25/2006
Budget Source:	Remedial	Amount:	$1339
Action Name:	PRP Remedial Design	Financial ID:	0052
Financial Type:	Extramural Outlay (Payment)	Date:	09/25/2006
Budget Source:	Remedial	Amount:	$823
Action Name:	PRP Remedial Design	Financial ID:	0039
Financial Type:	Extramural Outlay (Payment)	Date:	09/25/2006
Budget Source:	Remedial	Amount:	$5701
Action Name:	Remedial Design	Financial ID:	0166
Financial Type:	Extramural Outlay (Payment)	Date:	09/25/2006
Budget Source:	Remedial	Amount:	$1339

Action Name:	Removal Assessment	Financial ID:	0004
Financial Type:	Deobligation	Date:	10/05/2006
Budget Source:	Removal	Amount:	$5300
Action Name:	Removal Assessment	Financial ID:	0004
Financial Type:	Extramural Outlay (Payment)	Date:	10/05/2006
Budget Source:	Removal	Amount:	$5300
Action Name:	PRP Remedial Design	Financial ID:	0011
Financial Type:	Commitment	Date:	10/24/2006
Budget Source:	Remedial	Amount:	$1500000
Action Name:	Remedial Design	Financial ID:	0171
Financial Type:	Deobligation	Date:	10/24/2006
Budget Source:	Remedial	Amount:	$79898
Action Name:	Remedial Design	Financial ID:	0168
Financial Type:	Extramural Outlay (Payment)	Date:	10/24/2006
Budget Source:	Remedial	Amount:	$79898
Action Name:	PRP Remedial Design	Financial ID:	0055
Financial Type:	Deobligation	Date:	11/07/2006
Budget Source:	Remedial	Amount:	$10590
Action Name:	PRP Remedial Design	Financial ID:	0040
Financial Type:	Deobligation	Date:	11/07/2006
Budget Source:	Remedial	Amount:	$112445
Action Name:	Remedial Design	Financial ID:	0170
Financial Type:	Deobligation	Date:	11/07/2006
Budget Source:	Remedial	Amount:	$1629
Action Name:	PRP Remedial Design	Financial ID:	0053
Financial Type:	Extramural Outlay (Payment)	Date:	11/07/2006
Budget Source:	Remedial	Amount:	$10590
Action Name:	PRP Remedial Design	Financial ID:	0040
Financial Type:	Extramural Outlay (Payment)	Date:	11/07/2006
Budget Source:	Remedial	Amount:	$112445
Action Name:	Remedial Design	Financial ID:	0167
Financial Type:	Extramural Outlay (Payment)	Date:	11/07/2006
Budget Source:	Remedial	Amount:	$1629
Action Name:	Removal Assessment	Financial ID:	0005
Financial Type:	Deobligation	Date:	11/08/2006

Budget Source: Removal
Amount: $930

Action Name: Removal Assessment
Financial Type: Extramural Outlay (Payment)
Budget Source: Removal
Financial ID: 0005
Date: 11/08/2006
Amount: $930

Action Name: Remedial Design
Financial Type: Commitment
Budget Source: Remedial
Financial ID: 0019
Date: 11/20/2006
Amount: $1000000

Action Name: PRP Remedial Design
Financial Type: Decommitment
Budget Source: Remedial
Financial ID: 0011
Date: 11/22/2006
Amount: $1500000

Action Name: PRP Remedial Design
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0008
Date: 11/22/2006
Amount: $1500000

Action Name: Removal Assessment
Financial Type: Deobligation
Budget Source: Removal
Financial ID: 0006
Date: 11/24/2006
Amount: $4822

Action Name: Removal Assessment
Financial Type: Extramural Outlay (Payment)
Budget Source: Removal
Financial ID: 0006
Date: 11/24/2006
Amount: $4822

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0172
Date: 12/05/2006
Amount: $95837

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0169
Date: 12/05/2006
Amount: $95837

Action Name: Remedial Design
Financial Type: Decommitment
Budget Source: Remedial
Financial ID: 0020
Date: 12/08/2006
Amount: $1000000

Action Name: Remedial Design
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0017
Date: 12/08/2006
Amount: $1000000

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0056
Date: 12/12/2006
Amount: $2349

Action Name: PRP Remedial Design
Financial ID: 0041

Financial Type: Deobligation
Budget Source: Remedial
Date: 12/12/2006
Amount: $14657

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0042
Date: 12/12/2006
Amount: $450881

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0173
Date: 12/12/2006
Amount: $12411

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0054
Date: 12/12/2006
Amount: $2349

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0041
Date: 12/12/2006
Amount: $14657

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0042
Date: 12/12/2006
Amount: $450881

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0170
Date: 12/12/2006
Amount: $12411

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0043
Date: 01/23/2007
Amount: $22122

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0043
Date: 01/23/2007
Amount: $5909

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0044
Date: 01/23/2007
Amount: $16213

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0045
Date: 01/23/2007
Amount: $19

Action Name: Removal Assessment
Financial Type: Deobligation
Budget Source: Removal
Financial ID: 0007
Date: 02/01/2007
Amount: $2497

Action Name:	Removal Assessment	Financial ID:	0007
Financial Type:	Extramural Outlay (Payment)	Date:	02/01/2007
Budget Source:	Removal	Amount:	$2497
Action Name:	Remedial Design	Financial ID:	0189
Financial Type:	Deobligation	Date:	02/05/2007
Budget Source:	Remedial	Amount:	$44004
Action Name:	Remedial Design	Financial ID:	0186
Financial Type:	Extramural Outlay (Payment)	Date:	02/05/2007
Budget Source:	Remedial	Amount:	$44004
Action Name:	PRP Remedial Action	Financial ID:	0001
Financial Type:	Commitment	Date:	02/15/2007
Budget Source:	Remedial	Amount:	$1800000
Action Name:	Remedial Design	Financial ID:	0174
Financial Type:	Deobligation	Date:	02/21/2007
Budget Source:	Remedial	Amount:	$112497
Action Name:	Remedial Design	Financial ID:	0190
Financial Type:	Deobligation	Date:	02/21/2007
Budget Source:	Remedial	Amount:	$136689
Action Name:	Remedial Design	Financial ID:	0171
Financial Type:	Extramural Outlay (Payment)	Date:	02/21/2007
Budget Source:	Remedial	Amount:	$112497
Action Name:	Remedial Design	Financial ID:	0187
Financial Type:	Extramural Outlay (Payment)	Date:	02/21/2007
Budget Source:	Remedial	Amount:	$136689
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0001
Financial Type:	Commitment	Date:	03/05/2007
Budget Source:	Remedial	Amount:	$100000
Action Name:	PRP Remedial Design	Financial ID:	0057
Financial Type:	Deobligation	Date:	03/05/2007
Budget Source:	Remedial	Amount:	$5588
Action Name:	Remedial Design	Financial ID:	0175
Financial Type:	Deobligation	Date:	03/05/2007
Budget Source:	Remedial	Amount:	$2280
Action Name:	Remedial Design	Financial ID:	0176
Financial Type:	Deobligation	Date:	03/05/2007
Budget Source:	Remedial	Amount:	$5825

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0177
Date: 03/05/2007
Amount: $3457

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0178
Date: 03/05/2007
Amount: $2028

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0055
Date: 03/05/2007
Amount: $5588

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0172
Date: 03/05/2007
Amount: $2280

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0173
Date: 03/05/2007
Amount: $5825

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0174
Date: 03/05/2007
Amount: $3457

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0175
Date: 03/05/2007
Amount: $2028

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0044
Date: 03/06/2007
Amount: $5736

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0045
Date: 03/06/2007
Amount: $26845

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0046
Date: 03/06/2007
Amount: $306416

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0047
Date: 03/06/2007
Amount: $101516

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Financial ID: 0046
Date: 03/06/2007

Budget Source: Remedial Amount: $5736

Action Name: PRP Remedial Design Financial ID: 0047
Financial Type: Extramural Outlay (Payment) Date: 03/06/2007
Budget Source: Remedial Amount: $26845

Action Name: PRP Remedial Design Financial ID: 0048
Financial Type: Extramural Outlay (Payment) Date: 03/06/2007
Budget Source: Remedial Amount: $306416

Action Name: PRP Remedial Design Financial ID: 0049
Financial Type: Extramural Outlay (Payment) Date: 03/06/2007
Budget Source: Remedial Amount: $101516

Action Name: PRP Remedial Action Financial ID: 0001
Financial Type: Decommitment Date: 03/21/2007
Budget Source: Remedial Amount: $1800000

Action Name: PRP Remedial Action Financial ID: 0001
Financial Type: Actual Obligation Date: 03/21/2007
Budget Source: Remedial Amount: $1800000

Action Name: Remedial Design Financial ID: 0179
Financial Type: Deobligation Date: 04/10/2007
Budget Source: Remedial Amount: $162957

Action Name: Remedial Design Financial ID: 0176
Financial Type: Extramural Outlay (Payment) Date: 04/10/2007
Budget Source: Remedial Amount: $162957

Action Name: PRP Remedial Investigation/Feasibility Study Financial ID: 0001
Financial Type: Decommitment Date: 04/16/2007
Budget Source: Remedial Amount: $100000

Action Name: PRP Remedial Investigation/Feasibility Study Financial ID: 0001
Financial Type: Actual Obligation Date: 04/16/2007
Budget Source: Remedial Amount: $100000

Action Name: Remedial Design Financial ID: 0180
Financial Type: Deobligation Date: 05/14/2007
Budget Source: Remedial Amount: $92016

Action Name: Remedial Design Financial ID: 0177
Financial Type: Extramural Outlay (Payment) Date: 05/14/2007
Budget Source: Remedial Amount: $92016

Action Name: PRP Remedial Design Financial ID: 0058

Financial Type: Deobligation
Budget Source: Remedial
Date: 05/17/2007
Amount: $5396

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0048
Date: 05/17/2007
Amount: $19114

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0181
Date: 05/17/2007
Amount: $4452

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0056
Date: 05/17/2007
Amount: $5396

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0050
Date: 05/17/2007
Amount: $19114

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0178
Date: 05/17/2007
Amount: $4452

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0001
Date: 05/30/2007
Amount: $2381

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0059
Date: 05/30/2007
Amount: $225767

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0049
Date: 05/30/2007
Amount: $113155

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0182
Date: 05/30/2007
Amount: $7445

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0183
Date: 05/30/2007
Amount: $1545

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0001
Date: 05/30/2007
Amount: $2381

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0057
Date: 05/30/2007
Amount: $225767

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0051
Date: 05/30/2007
Amount: $113155

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0179
Date: 05/30/2007
Amount: $7445

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0180
Date: 05/30/2007
Amount: $1545

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0050
Date: 06/01/2007
Amount: $102553

Action Name: PRP Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0001
Date: 06/01/2007
Amount: $671

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0052
Date: 06/01/2007
Amount: $102553

Action Name: PRP Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0001
Date: 06/01/2007
Amount: $671

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0184
Date: 06/08/2007
Amount: $84371

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0181
Date: 06/08/2007
Amount: $84371

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0002
Date: 06/15/2007
Amount: $1915

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0002
Date: 06/15/2007
Amount: $1915

Action Name:	Removal Assessment	Financial ID:	0003
Financial Type:	Actual Obligation	Date:	07/03/2007
Budget Source:	Removal	Amount:	$1501
Action Name:	Removal Assessment	Financial ID:	0008
Financial Type:	Deobligation	Date:	07/03/2007
Budget Source:	Removal	Amount:	$1501
Action Name:	Removal Assessment	Financial ID:	0008
Financial Type:	Extramural Outlay (Payment)	Date:	07/03/2007
Budget Source:	Removal	Amount:	$1501
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0003
Financial Type:	Deobligation	Date:	07/16/2007
Budget Source:	Remedial	Amount:	$933
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0003
Financial Type:	Extramural Outlay (Payment)	Date:	07/16/2007
Budget Source:	Remedial	Amount:	$933
Action Name:	Remedial Design	Financial ID:	0185
Financial Type:	Deobligation	Date:	07/24/2007
Budget Source:	Remedial	Amount:	$94291
Action Name:	Remedial Design	Financial ID:	0182
Financial Type:	Extramural Outlay (Payment)	Date:	07/24/2007
Budget Source:	Remedial	Amount:	$94291
Action Name:	Removal Assessment	Financial ID:	0004
Financial Type:	Actual Obligation	Date:	08/09/2007
Budget Source:	Removal	Amount:	$1061
Action Name:	Removal Assessment	Financial ID:	0009
Financial Type:	Deobligation	Date:	08/09/2007
Budget Source:	Removal	Amount:	$1061
Action Name:	Removal Assessment	Financial ID:	0009
Financial Type:	Extramural Outlay (Payment)	Date:	08/09/2007
Budget Source:	Removal	Amount:	$1061
Action Name:	Remedial Action	Financial ID:	0001
Financial Type:	Commitment	Date:	08/13/2007
Budget Source:	Remedial	Amount:	$316153
Action Name:	Removal Assessment	Financial ID:	0010
Financial Type:	Deobligation	Date:	08/13/2007

Budget Source: Removal Amount: $7

Action Name: Removal Assessment Financial ID: 0010
Financial Type: Extramural Outlay (Payment) Date: 08/13/2007
Budget Source: Removal Amount: $7

Action Name: Remedial Design Financial ID: 0020
Financial Type: Commitment Date: 08/14/2007
Budget Source: Remedial Amount: $1500000

Action Name: PRP Remedial Design Financial ID: 0001
Financial Type: Commitment Date: 08/17/2007
Budget Source: Remedial Amount: $497940

Action Name: PRP Remedial Design Financial ID: 0051
Financial Type: Deobligation Date: 08/17/2007
Budget Source: Remedial Amount: $80940

Action Name: PRP Remedial Design Financial ID: 0052
Financial Type: Deobligation Date: 08/17/2007
Budget Source: Remedial Amount: $29597

Action Name: PRP Remedial Action Financial ID: 0002
Financial Type: Deobligation Date: 08/17/2007
Budget Source: Remedial Amount: $2135

Action Name: Remedial Design Financial ID: 0186
Financial Type: Deobligation Date: 08/17/2007
Budget Source: Remedial Amount: $2870

Action Name: PRP Remedial Design Financial ID: 0053
Financial Type: Extramural Outlay (Payment) Date: 08/17/2007
Budget Source: Remedial Amount: $80940

Action Name: PRP Remedial Design Financial ID: 0054
Financial Type: Extramural Outlay (Payment) Date: 08/17/2007
Budget Source: Remedial Amount: $29597

Action Name: PRP Remedial Action Financial ID: 0002
Financial Type: Extramural Outlay (Payment) Date: 08/17/2007
Budget Source: Remedial Amount: $2135

Action Name: Remedial Design Financial ID: 0183
Financial Type: Extramural Outlay (Payment) Date: 08/17/2007
Budget Source: Remedial Amount: $2870

Action Name: PRP Remedial Investigation/Feasibility Study Financial ID: 0004

Financial Type: Deobligation
Budget Source: Remedial
Date: 08/21/2007
Amount: $870

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0004
Date: 08/21/2007
Amount: $870

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0187
Date: 08/22/2007
Amount: $91876

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0184
Date: 08/22/2007
Amount: $91876

Action Name: Removal Assessment
Financial Type: Actual Obligation
Budget Source: Removal
Financial ID: 0005
Date: 08/24/2007
Amount: $11107

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0053
Date: 08/24/2007
Amount: $176722

Action Name: PRP Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0003
Date: 08/24/2007
Amount: $20400

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0188
Date: 08/24/2007
Amount: $2786

Action Name: Removal Assessment
Financial Type: Deobligation
Budget Source: Removal
Financial ID: 0011
Date: 08/24/2007
Amount: $11107

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0055
Date: 08/24/2007
Amount: $176722

Action Name: PRP Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0003
Date: 08/24/2007
Amount: $20400

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0185
Date: 08/24/2007
Amount: $2786

Action Name:	Removal Assessment	Financial ID:	0011
Financial Type:	Extramural Outlay (Payment)	Date:	08/24/2007
Budget Source:	Removal	Amount:	$11107
Action Name:	Remedial Design	Financial ID:	0021
Financial Type:	Decommitment	Date:	09/10/2007
Budget Source:	Remedial	Amount:	$1500000
Action Name:	Remedial Design	Financial ID:	0018
Financial Type:	Actual Obligation	Date:	09/10/2007
Budget Source:	Remedial	Amount:	$1500000
Action Name:	Remedial Design	Financial ID:	0191
Financial Type:	Deobligation	Date:	09/10/2007
Budget Source:	Remedial	Amount:	$9645
Action Name:	Remedial Design	Financial ID:	0188
Financial Type:	Extramural Outlay (Payment)	Date:	09/10/2007
Budget Source:	Remedial	Amount:	$9645
Action Name:	Combined RI/FS	Financial ID:	0051
Financial Type:	Actual Obligation	Date:	09/13/2007
Budget Source:	Remedial	Amount:	$13363
Action Name:	Combined RI/FS	Financial ID:	0007
Financial Type:	Extramural Deoutlay (Credit)	Date:	09/13/2007
Budget Source:	Remedial	Amount:	$13363
Action Name:	Remedial Action	Financial ID:	0001
Financial Type:	Decommitment	Date:	09/19/2007
Budget Source:	Remedial	Amount:	$316153
Action Name:	Remedial Action	Financial ID:	0001
Financial Type:	Actual Obligation	Date:	09/19/2007
Budget Source:	Remedial	Amount:	$316153
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0005
Financial Type:	Deobligation	Date:	09/20/2007
Budget Source:	Remedial	Amount:	$400
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0005
Financial Type:	Extramural Outlay (Payment)	Date:	09/20/2007
Budget Source:	Remedial	Amount:	$400
Action Name:	PRP Remedial Design	Financial ID:	0001
Financial Type:	Decommitment	Date:	09/26/2007
Budget Source:	Remedial	Amount:	$497940

Action Name:	PRP Remedial Design	Financial ID:	0001
Financial Type:	Actual Obligation	Date:	09/26/2007
Budget Source:	Remedial	Amount:	$497940
Action Name:	Removal Assessment	Financial ID:	0012
Financial Type:	Deobligation	Date:	10/03/2007
Budget Source:	Removal	Amount:	$639
Action Name:	Removal Assessment	Financial ID:	0012
Financial Type:	Extramural Outlay (Payment)	Date:	10/03/2007
Budget Source:	Removal	Amount:	$639
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0006
Financial Type:	Deobligation	Date:	10/29/2007
Budget Source:	Remedial	Amount:	$854
Action Name:	PRP Remedial Design	Financial ID:	0054
Financial Type:	Deobligation	Date:	10/29/2007
Budget Source:	Remedial	Amount:	$2410
Action Name:	PRP Remedial Design	Financial ID:	0055
Financial Type:	Deobligation	Date:	10/29/2007
Budget Source:	Remedial	Amount:	$90449
Action Name:	PRP Remedial Action	Financial ID:	0004
Financial Type:	Deobligation	Date:	10/29/2007
Budget Source:	Remedial	Amount:	$12892
Action Name:	PRP Remedial Action	Financial ID:	0005
Financial Type:	Deobligation	Date:	10/29/2007
Budget Source:	Remedial	Amount:	$20928
Action Name:	Remedial Design	Financial ID:	0192
Financial Type:	Deobligation	Date:	10/29/2007
Budget Source:	Remedial	Amount:	$2291
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0006
Financial Type:	Extramural Outlay (Payment)	Date:	10/29/2007
Budget Source:	Remedial	Amount:	$854
Action Name:	PRP Remedial Design	Financial ID:	0056
Financial Type:	Extramural Outlay (Payment)	Date:	10/29/2007
Budget Source:	Remedial	Amount:	$2410
Action Name:	PRP Remedial Design	Financial ID:	0057
Financial Type:	Extramural Outlay (Payment)	Date:	10/29/2007

Budget Source: Remedial
Amount: $90449

Action Name: PRP Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0004
Date: 10/29/2007
Amount: $12892

Action Name: PRP Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0005
Date: 10/29/2007
Amount: $20928

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0189
Date: 10/29/2007
Amount: $2291

Action Name: Removal Assessment
Financial Type: Deobligation
Budget Source: Removal
Financial ID: 0013
Date: 11/01/2007
Amount: $2692

Action Name: Removal Assessment
Financial Type: Extramural Outlay (Payment)
Budget Source: Removal
Financial ID: 0013
Date: 11/01/2007
Amount: $2692

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0193
Date: 11/14/2007
Amount: $92628

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0194
Date: 11/14/2007
Amount: $129982

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0190
Date: 11/14/2007
Amount: $92628

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0191
Date: 11/14/2007
Amount: $129982

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0195
Date: 11/20/2007
Amount: $80072

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0192
Date: 11/20/2007
Amount: $80072

Action Name: Removal Assessment
Financial ID: 0014

Financial Type: Deobligation
Budget Source: Removal
Date: 11/21/2007
Amount: $3975

Action Name: Removal Assessment
Financial Type: Extramural Outlay (Payment)
Budget Source: Removal
Financial ID: 0014
Date: 11/21/2007
Amount: $3975

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0007
Date: 11/29/2007
Amount: $919

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0007
Date: 11/29/2007
Amount: $919

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0056
Date: 12/04/2007
Amount: $225177

Action Name: PRP Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0006
Date: 12/04/2007
Amount: $30990

Action Name: PRP Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0007
Date: 12/04/2007
Amount: $59543

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0058
Date: 12/04/2007
Amount: $225177

Action Name: PRP Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0006
Date: 12/04/2007
Amount: $30990

Action Name: PRP Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0007
Date: 12/04/2007
Amount: $59543

Action Name: Removal Assessment
Financial Type: Deobligation
Budget Source: Removal
Financial ID: 0015
Date: 12/11/2007
Amount: $2306

Action Name: Removal Assessment
Financial Type: Extramural Outlay (Payment)
Budget Source: Removal
Financial ID: 0015
Date: 12/11/2007
Amount: $2306

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0196
Date: 12/31/2007
Amount: $41310

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0197
Date: 12/31/2007
Amount: $56362

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0193
Date: 12/31/2007
Amount: $41310

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0194
Date: 12/31/2007
Amount: $56362

Action Name: Removal Assessment
Financial Type: Deobligation
Budget Source: Removal
Financial ID: 0016
Date: 01/07/2008
Amount: $13615

Action Name: Removal Assessment
Financial Type: Extramural Outlay (Payment)
Budget Source: Removal
Financial ID: 0016
Date: 01/07/2008
Amount: $13615

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0008
Date: 01/08/2008
Amount: $24378

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0008
Date: 01/08/2008
Amount: $24378

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0009
Date: 01/22/2008
Amount: $6928

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0009
Date: 01/22/2008
Amount: $6928

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0057
Date: 01/28/2008
Amount: $341

Action Name: PRP Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0008
Date: 01/28/2008
Amount: $25685

Action Name:	PRP Remedial Design	Financial ID:	0059
Financial Type:	Extramural Outlay (Payment)	Date:	01/28/2008
Budget Source:	Remedial	Amount:	$341
Action Name:	PRP Remedial Action	Financial ID:	0008
Financial Type:	Extramural Outlay (Payment)	Date:	01/28/2008
Budget Source:	Remedial	Amount:	$25685
Action Name:	PRP Remedial Design	Financial ID:	0058
Financial Type:	Deobligation	Date:	01/29/2008
Budget Source:	Remedial	Amount:	$1570
Action Name:	Remedial Design	Financial ID:	0198
Financial Type:	Deobligation	Date:	01/29/2008
Budget Source:	Remedial	Amount:	$4241
Action Name:	PRP Remedial Design	Financial ID:	0060
Financial Type:	Extramural Outlay (Payment)	Date:	01/29/2008
Budget Source:	Remedial	Amount:	$1570
Action Name:	Remedial Design	Financial ID:	0195
Financial Type:	Extramural Outlay (Payment)	Date:	01/29/2008
Budget Source:	Remedial	Amount:	$4241
Action Name:	Remedial Design	Financial ID:	0199
Financial Type:	Deobligation	Date:	01/30/2008
Budget Source:	Remedial	Amount:	$4215
Action Name:	Remedial Design	Financial ID:	0196
Financial Type:	Extramural Outlay (Payment)	Date:	01/30/2008
Budget Source:	Remedial	Amount:	$4215
Action Name:	Remedial Design	Financial ID:	0200
Financial Type:	Deobligation	Date:	01/31/2008
Budget Source:	Remedial	Amount:	$60368
Action Name:	Remedial Design	Financial ID:	0197
Financial Type:	Extramural Outlay (Payment)	Date:	01/31/2008
Budget Source:	Remedial	Amount:	$60368
Action Name:	Real Property Acquisition	Financial ID:	0001
Financial Type:	Commitment	Date:	02/01/2008
Budget Source:	Pipeline Operations	Amount:	$355660
Action Name:	Real Property Acquisition	Financial ID:	0001
Financial Type:	Decommitment	Date:	02/15/2008

Budget Source: Pipeline Operations
Amount: $355660

Action Name: Real Property Acquisition
Financial Type: Actual Obligation
Budget Source: Pipeline Operations
Financial ID: 0001
Date: 02/15/2008
Amount: $355660

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0059
Date: 02/19/2008
Amount: $179894

Action Name: PRP Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0009
Date: 02/19/2008
Amount: $123902

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0201
Date: 02/19/2008
Amount: $106472

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0202
Date: 02/19/2008
Amount: $29578

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0203
Date: 02/19/2008
Amount: $6149

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0061
Date: 02/19/2008
Amount: $179894

Action Name: PRP Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0009
Date: 02/19/2008
Amount: $123902

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0198
Date: 02/19/2008
Amount: $106472

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0199
Date: 02/19/2008
Amount: $29578

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0200
Date: 02/19/2008
Amount: $6149

Action Name: Removal Assessment
Financial ID: 0017

Financial Type: Deobligation
Budget Source: Removal
Date: 02/28/2008
Amount: $11

Action Name: Removal Assessment
Financial Type: Extramural Outlay (Payment)
Budget Source: Removal
Financial ID: 0017
Date: 02/28/2008
Amount: $11

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0010
Date: 03/03/2008
Amount: $2112

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0060
Date: 03/03/2008
Amount: $81916

Action Name: PRP Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0010
Date: 03/03/2008
Amount: $79354

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0204
Date: 03/03/2008
Amount: $2730

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0010
Date: 03/03/2008
Amount: $2112

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0062
Date: 03/03/2008
Amount: $81916

Action Name: PRP Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0010
Date: 03/03/2008
Amount: $79354

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0201
Date: 03/03/2008
Amount: $2730

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0205
Date: 03/04/2008
Amount: $28415

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0202
Date: 03/04/2008
Amount: $28415

Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0011
Financial Type:	Deobligation	Date:	03/18/2008
Budget Source:	Remedial	Amount:	$1431
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0011
Financial Type:	Extramural Outlay (Payment)	Date:	03/18/2008
Budget Source:	Remedial	Amount:	$1431
Action Name:	Remedial Design	Financial ID:	0206
Financial Type:	Deobligation	Date:	03/27/2008
Budget Source:	Remedial	Amount:	$114077
Action Name:	Remedial Design	Financial ID:	0203
Financial Type:	Extramural Outlay (Payment)	Date:	03/27/2008
Budget Source:	Remedial	Amount:	$114077
Action Name:	Remedial Design	Financial ID:	0207
Financial Type:	Deobligation	Date:	03/28/2008
Budget Source:	Remedial	Amount:	$14745
Action Name:	Remedial Design	Financial ID:	0208
Financial Type:	Deobligation	Date:	03/28/2008
Budget Source:	Remedial	Amount:	$18127
Action Name:	Remedial Design	Financial ID:	0204
Financial Type:	Extramural Outlay (Payment)	Date:	03/28/2008
Budget Source:	Remedial	Amount:	$14745
Action Name:	Remedial Design	Financial ID:	0205
Financial Type:	Extramural Outlay (Payment)	Date:	03/28/2008
Budget Source:	Remedial	Amount:	$18127
Action Name:	PRP Remedial Design	Financial ID:	0061
Financial Type:	Deobligation	Date:	03/31/2008
Budget Source:	Remedial	Amount:	$1585
Action Name:	PRP Remedial Action	Financial ID:	0011
Financial Type:	Deobligation	Date:	03/31/2008
Budget Source:	Remedial	Amount:	$46548
Action Name:	Remedial Design	Financial ID:	0209
Financial Type:	Deobligation	Date:	03/31/2008
Budget Source:	Remedial	Amount:	$4442
Action Name:	PRP Remedial Design	Financial ID:	0063
Financial Type:	Extramural Outlay (Payment)	Date:	03/31/2008
Budget Source:	Remedial	Amount:	$1585

Action Name:	PRP Remedial Action	Financial ID:	0011
Financial Type:	Extramural Outlay (Payment)	Date:	03/31/2008
Budget Source:	Remedial	Amount:	$46548
Action Name:	Remedial Design	Financial ID:	0206
Financial Type:	Extramural Outlay (Payment)	Date:	03/31/2008
Budget Source:	Remedial	Amount:	$4442
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0012
Financial Type:	Deobligation	Date:	04/22/2008
Budget Source:	Remedial	Amount:	$310
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0012
Financial Type:	Extramural Outlay (Payment)	Date:	04/22/2008
Budget Source:	Remedial	Amount:	$310
Action Name:	Remedial Design	Financial ID:	0210
Financial Type:	Deobligation	Date:	04/29/2008
Budget Source:	Remedial	Amount:	$99480
Action Name:	Remedial Design	Financial ID:	0207
Financial Type:	Extramural Outlay (Payment)	Date:	04/29/2008
Budget Source:	Remedial	Amount:	$99480
Action Name:	Removal Assessment	Financial ID:	0018
Financial Type:	Deobligation	Date:	05/02/2008
Budget Source:	Removal	Amount:	$10
Action Name:	Removal Assessment	Financial ID:	0018
Financial Type:	Extramural Outlay (Payment)	Date:	05/02/2008
Budget Source:	Removal	Amount:	$10
Action Name:	Remedial Action	Financial ID:	0001
Financial Type:	Commitment	Date:	05/09/2008
Budget Source:	Remedial	Amount:	$5989563
Action Name:	Remedial Action	Financial ID:	0001
Financial Type:	Decommitment	Date:	05/21/2008
Budget Source:	Remedial	Amount:	$5989563
Action Name:	Remedial Action	Financial ID:	0001
Financial Type:	Actual Obligation	Date:	05/21/2008
Budget Source:	Remedial	Amount:	$5989563
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0013
Financial Type:	Deobligation	Date:	05/22/2008

Budget Source: Remedial
Amount: $9263

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0211
Date: 05/22/2008
Amount: $29684

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0212
Date: 05/22/2008
Amount: $104313

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0013
Date: 05/22/2008
Amount: $9263

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0208
Date: 05/22/2008
Amount: $29684

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0209
Date: 05/22/2008
Amount: $104313

Action Name: Removal Assessment
Financial Type: Deobligation
Budget Source: Removal
Financial ID: 0019
Date: 05/29/2008
Amount: $2

Action Name: Removal Assessment
Financial Type: Extramural Outlay (Payment)
Budget Source: Removal
Financial ID: 0019
Date: 05/29/2008
Amount: $2

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0213
Date: 06/03/2008
Amount: $55576

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0210
Date: 06/03/2008
Amount: $55576

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0062
Date: 06/09/2008
Amount: $75502

Action Name: PRP Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0012
Date: 06/09/2008
Amount: $129377

Action Name: Remedial Design
Financial ID: 0214

Financial Type: Deobligation
Budget Source: Remedial
Date: 06/09/2008
Amount: $1682

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0215
Date: 06/09/2008
Amount: $3900

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0064
Date: 06/09/2008
Amount: $75502

Action Name: PRP Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0012
Date: 06/09/2008
Amount: $129377

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0211
Date: 06/09/2008
Amount: $1682

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0212
Date: 06/09/2008
Amount: $3900

Action Name: Real Property Acquisition
Financial Type: Deobligation
Budget Source: Pipeline Operations
Financial ID: 0001
Date: 06/17/2008
Amount: $355660

Action Name: Real Property Acquisition
Financial Type: Extramural Outlay (Payment)
Budget Source: Pipeline Operations
Financial ID: 0001
Date: 06/17/2008
Amount: $355660

Action Name: Remedial Design
Financial Type: Commitment
Budget Source: Remedial
Financial ID: 0021
Date: 06/18/2008
Amount: $2000000

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Commitment
Budget Source: Remedial
Financial ID: 0002
Date: 06/19/2008
Amount: $120000

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0014
Date: 06/24/2008
Amount: $3828

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0014
Date: 06/24/2008
Amount: $3828

Action Name: Community Involvement
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0003
Date: 06/26/2008
Amount: $509

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0063
Date: 06/26/2008
Amount: $29212

Action Name: PRP Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0013
Date: 06/26/2008
Amount: $138821

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0216
Date: 06/26/2008
Amount: $6413

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0217
Date: 06/26/2008
Amount: $158178

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0065
Date: 06/26/2008
Amount: $29212

Action Name: PRP Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0013
Date: 06/26/2008
Amount: $138821

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0213
Date: 06/26/2008
Amount: $6413

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0214
Date: 06/26/2008
Amount: $158178

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0218
Date: 07/08/2008
Amount: $70642

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0215
Date: 07/08/2008
Amount: $70642

Action Name: Remedial Design
Financial Type: Decommitment
Budget Source: Remedial
Financial ID: 0022
Date: 07/10/2008
Amount: $2000000

Action Name:	Remedial Design	Financial ID:	0019
Financial Type:	Actual Obligation	Date:	07/10/2008
Budget Source:	Remedial	Amount:	$2000000
Action Name:	PRP Remedial Design	Financial ID:	0064
Financial Type:	Deobligation	Date:	07/15/2008
Budget Source:	Remedial	Amount:	$373
Action Name:	PRP Remedial Action	Financial ID:	0014
Financial Type:	Deobligation	Date:	07/15/2008
Budget Source:	Remedial	Amount:	$22073
Action Name:	Remedial Design	Financial ID:	0219
Financial Type:	Deobligation	Date:	07/15/2008
Budget Source:	Remedial	Amount:	$3849
Action Name:	PRP Remedial Design	Financial ID:	0066
Financial Type:	Extramural Outlay (Payment)	Date:	07/15/2008
Budget Source:	Remedial	Amount:	$373
Action Name:	PRP Remedial Action	Financial ID:	0014
Financial Type:	Extramural Outlay (Payment)	Date:	07/15/2008
Budget Source:	Remedial	Amount:	$22073
Action Name:	Remedial Design	Financial ID:	0216
Financial Type:	Extramural Outlay (Payment)	Date:	07/15/2008
Budget Source:	Remedial	Amount:	$3849
Action Name:	Community Involvement	Financial ID:	0010
Financial Type:	Deobligation	Date:	07/18/2008
Budget Source:	Remedial	Amount:	$509
Action Name:	Community Involvement	Financial ID:	0009
Financial Type:	Extramural Outlay (Payment)	Date:	07/18/2008
Budget Source:	Remedial	Amount:	$509
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0015
Financial Type:	Deobligation	Date:	07/23/2008
Budget Source:	Remedial	Amount:	$1394
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0015
Financial Type:	Extramural Outlay (Payment)	Date:	07/23/2008
Budget Source:	Remedial	Amount:	$1394
Action Name:	Removal Assessment	Financial ID:	0020
Financial Type:	Deobligation	Date:	07/28/2008

Budget Source: Removal
Amount: $5

Action Name: Removal Assessment
Financial Type: Extramural Outlay (Payment)
Budget Source: Removal
Financial ID: 0020
Date: 07/28/2008
Amount: $5

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Commitment
Budget Source: Remedial
Financial ID: 0003
Date: 08/01/2008
Amount: $1010000

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0220
Date: 08/01/2008
Amount: $126144

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0221
Date: 08/01/2008
Amount: $113829

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0217
Date: 08/01/2008
Amount: $126144

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0218
Date: 08/01/2008
Amount: $113829

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Commitment
Budget Source: Remedial
Financial ID: 0004
Date: 09/03/2008
Amount: $100000

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Decommitment
Budget Source: Remedial
Financial ID: 0002
Date: 09/03/2008
Amount: $120000

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0002
Date: 09/03/2008
Amount: $120000

Action Name: Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0001
Date: 09/03/2008
Amount: $21000

Action Name: Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0001
Date: 09/03/2008
Amount: $21000

Action Name: PRP Remedial Investigation/Feasibility Study
Financial ID: 0016

Financial Type: Deobligation
Budget Source: Remedial
Date: 09/04/2008
Amount: $4102

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0016
Date: 09/04/2008
Amount: $4102

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0222
Date: 09/08/2008
Amount: $96197

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0219
Date: 09/08/2008
Amount: $96197

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Decommitment
Budget Source: Remedial
Financial ID: 0003
Date: 09/09/2008
Amount: $100000

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0003
Date: 09/09/2008
Amount: $100000

Action Name: Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0001
Date: 09/09/2008
Amount: $10629

Action Name: Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0001
Date: 09/09/2008
Amount: $10629

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0001
Date: 09/10/2008
Amount: $33124

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0001
Date: 09/10/2008
Amount: $33124

Action Name: Remedial Action
Financial Type: Commitment
Budget Source: Remedial
Financial ID: 0002
Date: 09/11/2008
Amount: $2482762

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Decommitment
Budget Source: Remedial
Financial ID: 0004
Date: 09/16/2008
Amount: $1010000

Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0004
Financial Type:	Actual Obligation	Date:	09/16/2008
Budget Source:	Remedial	Amount:	$1010000
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0017
Financial Type:	Deobligation	Date:	09/19/2008
Budget Source:	Remedial	Amount:	$11282
Action Name:	Remedial Design	Financial ID:	0223
Financial Type:	Deobligation	Date:	09/19/2008
Budget Source:	Remedial	Amount:	$190816
Action Name:	Remedial Design	Financial ID:	0224
Financial Type:	Deobligation	Date:	09/19/2008
Budget Source:	Remedial	Amount:	$28931
Action Name:	Remedial Design	Financial ID:	0225
Financial Type:	Deobligation	Date:	09/19/2008
Budget Source:	Remedial	Amount:	$159008
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0017
Financial Type:	Extramural Outlay (Payment)	Date:	09/19/2008
Budget Source:	Remedial	Amount:	$11282
Action Name:	Remedial Design	Financial ID:	0220
Financial Type:	Extramural Outlay (Payment)	Date:	09/19/2008
Budget Source:	Remedial	Amount:	$190816
Action Name:	Remedial Design	Financial ID:	0221
Financial Type:	Extramural Outlay (Payment)	Date:	09/19/2008
Budget Source:	Remedial	Amount:	$28931
Action Name:	Remedial Design	Financial ID:	0222
Financial Type:	Extramural Outlay (Payment)	Date:	09/19/2008
Budget Source:	Remedial	Amount:	$159008
Action Name:	Remedial Design	Financial ID:	0022
Financial Type:	Commitment	Date:	09/23/2008
Budget Source:	Remedial	Amount:	$30000
Action Name:	Remedial Design	Financial ID:	0023
Financial Type:	Decommitment	Date:	09/25/2008
Budget Source:	Remedial	Amount:	$30000
Action Name:	Remedial Design	Financial ID:	0020
Financial Type:	Actual Obligation	Date:	09/25/2008
Budget Source:	Remedial	Amount:	$19525

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0065
Date: 09/26/2008
Amount: $68241

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0066
Date: 09/26/2008
Amount: $2063

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0067
Date: 09/26/2008
Amount: $67095

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0068
Date: 09/26/2008
Amount: $2589

Action Name: PRP Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0015
Date: 09/26/2008
Amount: $64392

Action Name: PRP Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0016
Date: 09/26/2008
Amount: $124882

Action Name: PRP Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0017
Date: 09/26/2008
Amount: $30061

Action Name: PRP Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0018
Date: 09/26/2008
Amount: $68896

Action Name: Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0002
Date: 09/26/2008
Amount: $18531

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0226
Date: 09/26/2008
Amount: $18000

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0227
Date: 09/26/2008
Amount: $1202

Action Name: Remedial Design
Financial Type: Deobligation
Financial ID: 0228
Date: 09/26/2008

Budget Source: Remedial
Amount: $5839

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0267
Date: 09/26/2008
Amount: $1626

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0268
Date: 09/26/2008
Amount: $5516

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0269
Date: 09/26/2008
Amount: $10858

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0067
Date: 09/26/2008
Amount: $68241

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0068
Date: 09/26/2008
Amount: $2063

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0069
Date: 09/26/2008
Amount: $67095

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0070
Date: 09/26/2008
Amount: $2589

Action Name: PRP Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0015
Date: 09/26/2008
Amount: $124882

Action Name: PRP Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0016
Date: 09/26/2008
Amount: $30061

Action Name: PRP Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0017
Date: 09/26/2008
Amount: $68896

Action Name: PRP Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0018
Date: 09/26/2008
Amount: $64392

Action Name: Remedial Action
Financial ID: 0002

Financial Type: Extramural Outlay (Payment) Date: 09/26/2008
Budget Source: Remedial Amount: $18531

Action Name: Remedial Design Financial ID: 0223
Financial Type: Extramural Outlay (Payment) Date: 09/26/2008
Budget Source: Remedial Amount: $18000

Action Name: Remedial Design Financial ID: 0224
Financial Type: Extramural Outlay (Payment) Date: 09/26/2008
Budget Source: Remedial Amount: $1202

Action Name: Remedial Design Financial ID: 0225
Financial Type: Extramural Outlay (Payment) Date: 09/26/2008
Budget Source: Remedial Amount: $5839

Action Name: Remedial Design Financial ID: 0264
Financial Type: Extramural Outlay (Payment) Date: 09/26/2008
Budget Source: Remedial Amount: $1626

Action Name: Remedial Design Financial ID: 0265
Financial Type: Extramural Outlay (Payment) Date: 09/26/2008
Budget Source: Remedial Amount: $5516

Action Name: Remedial Design Financial ID: 0266
Financial Type: Extramural Outlay (Payment) Date: 09/26/2008
Budget Source: Remedial Amount: $10858

Action Name: Remedial Action Financial ID: 0002
Financial Type: Decommitment Date: 09/29/2008
Budget Source: Remedial Amount: $2482762

Action Name: Remedial Action Financial ID: 0002
Financial Type: Actual Obligation Date: 09/29/2008
Budget Source: Remedial Amount: $2482762

Action Name: Remedial Action Financial ID: 0003
Financial Type: Deobligation Date: 09/29/2008
Budget Source: Remedial Amount: $5565

Action Name: Remedial Action Financial ID: 0003
Financial Type: Extramural Outlay (Payment) Date: 09/29/2008
Budget Source: Remedial Amount: $5565

Action Name: Remedial Action Financial ID: 0004
Financial Type: Deobligation Date: 10/08/2008
Budget Source: Remedial Amount: $7179

Action Name: Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0004
Date: 10/08/2008
Amount: $7179

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0158
Date: 10/16/2008
Amount: $50564

Action Name: Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0002
Date: 10/16/2008
Amount: $15257

Action Name: Combined RI/FS
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0145
Date: 10/16/2008
Amount: $50564

Action Name: Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0002
Date: 10/16/2008
Amount: $15257

Action Name: Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0005
Date: 10/21/2008
Amount: $3470

Action Name: Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0005
Date: 10/21/2008
Amount: $3470

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0229
Date: 10/27/2008
Amount: $241239

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0226
Date: 10/27/2008
Amount: $241239

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0018
Date: 10/28/2008
Amount: $14340

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0018
Date: 10/28/2008
Amount: $14340

Action Name: Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0006
Date: 10/30/2008
Amount: $3450

Action Name:	Remedial Action	Financial ID:	0006
Financial Type:	Extramural Outlay (Payment)	Date:	10/30/2008
Budget Source:	Remedial	Amount:	$3450
Action Name:	Remedial Action	Financial ID:	0007
Financial Type:	Deobligation	Date:	11/13/2008
Budget Source:	Remedial	Amount:	$7942
Action Name:	Remedial Action	Financial ID:	0007
Financial Type:	Extramural Outlay (Payment)	Date:	11/13/2008
Budget Source:	Remedial	Amount:	$7942
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0019
Financial Type:	Deobligation	Date:	11/14/2008
Budget Source:	Remedial	Amount:	$124
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0021
Financial Type:	Deobligation	Date:	11/14/2008
Budget Source:	Remedial	Amount:	$1010000
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0019
Financial Type:	Extramural Outlay (Payment)	Date:	11/14/2008
Budget Source:	Remedial	Amount:	$124
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0020
Financial Type:	Extramural Outlay (Payment)	Date:	11/14/2008
Budget Source:	Remedial	Amount:	$1010000
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0005
Financial Type:	Actual Obligation	Date:	11/17/2008
Budget Source:	Remedial	Amount:	$124
Action Name:	Removal Assessment	Financial ID:	0006
Financial Type:	Actual Obligation	Date:	11/17/2008
Budget Source:	Removal	Amount:	$124
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0020
Financial Type:	Deobligation	Date:	11/17/2008
Budget Source:	Remedial	Amount:	$124
Action Name:	Removal Assessment	Financial ID:	0021
Financial Type:	Deobligation	Date:	11/17/2008
Budget Source:	Removal	Amount:	$124
Action Name:	Removal Assessment	Financial ID:	0021
Financial Type:	Extramural Outlay (Payment)	Date:	11/17/2008

Budget Source:	Removal	Amount:	$124
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0001
Financial Type:	Extramural Deoutlay (Credit)	Date:	11/17/2008
Budget Source:	Remedial	Amount:	$124
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0005
Financial Type:	Commitment	Date:	11/18/2008
Budget Source:	Remedial	Amount:	$570180
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0006
Financial Type:	Commitment	Date:	11/18/2008
Budget Source:	Remedial	Amount:	$570180
Action Name:	Remedial Design	Financial ID:	0023
Financial Type:	Commitment	Date:	11/18/2008
Budget Source:	Remedial	Amount:	$1754443
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0005
Financial Type:	Decommitment	Date:	11/18/2008
Budget Source:	Remedial	Amount:	$570180
Action Name:	Technical Assistence	Financial ID:	0002
Financial Type:	Actual Obligation	Date:	11/25/2008
Budget Source:	Remedial	Amount:	$2486
Action Name:	Technical Assistence	Financial ID:	0002
Financial Type:	Deobligation	Date:	11/25/2008
Budget Source:	Remedial	Amount:	$2486
Action Name:	Technical Assistence	Financial ID:	0002
Financial Type:	Extramural Outlay (Payment)	Date:	11/25/2008
Budget Source:	Remedial	Amount:	$2486
Action Name:	Technical Assistence	Financial ID:	0003
Financial Type:	Actual Obligation	Date:	12/02/2008
Budget Source:	Remedial	Amount:	$5373
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0022
Financial Type:	Deobligation	Date:	12/02/2008
Budget Source:	Remedial	Amount:	$7989
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0023
Financial Type:	Deobligation	Date:	12/02/2008
Budget Source:	Remedial	Amount:	$7554
Action Name:	Technical Assistence	Financial ID:	0003

Financial Type: Deobligation
Budget Source: Remedial
Date: 12/02/2008
Amount: $5373

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0021
Date: 12/02/2008
Amount: $7989

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0022
Date: 12/02/2008
Amount: $7554

Action Name: Technical Assistence
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0003
Date: 12/02/2008
Amount: $5373

Action Name: Remedial Action
Financial Type: Commitment
Budget Source: Remedial
Financial ID: 0001
Date: 12/03/2008
Amount: $851150

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Decommitment
Budget Source: Remedial
Financial ID: 0006
Date: 12/03/2008
Amount: $570180

Action Name: Remedial Design
Financial Type: Decommitment
Budget Source: Remedial
Financial ID: 0024
Date: 12/03/2008
Amount: $1754443

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0006
Date: 12/03/2008
Amount: $570180

Action Name: Remedial Design
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0021
Date: 12/03/2008
Amount: $1754443

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0007
Date: 12/04/2008
Amount: $7554

Action Name: Removal Assessment
Financial Type: Actual Obligation
Budget Source: Removal
Financial ID: 0007
Date: 12/04/2008
Amount: $7554

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0024
Date: 12/04/2008
Amount: $7554

Action Name:	Removal Assessment	Financial ID:	0022
Financial Type:	Deobligation	Date:	12/04/2008
Budget Source:	Removal	Amount:	$7554
Action Name:	Removal Assessment	Financial ID:	0022
Financial Type:	Extramural Outlay (Payment)	Date:	12/04/2008
Budget Source:	Removal	Amount:	$7554
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0002
Financial Type:	Extramural Deoutlay (Credit)	Date:	12/04/2008
Budget Source:	Remedial	Amount:	$7554
Action Name:	Remedial Action	Financial ID:	0001
Financial Type:	Decommitment	Date:	12/08/2008
Budget Source:	Remedial	Amount:	$851150
Action Name:	Remedial Action	Financial ID:	0001
Financial Type:	Actual Obligation	Date:	12/08/2008
Budget Source:	Remedial	Amount:	$851150
Action Name:	Remedial Design	Financial ID:	0230
Financial Type:	Deobligation	Date:	12/09/2008
Budget Source:	Remedial	Amount:	$226533
Action Name:	Remedial Design	Financial ID:	0231
Financial Type:	Deobligation	Date:	12/09/2008
Budget Source:	Remedial	Amount:	$52802
Action Name:	Remedial Design	Financial ID:	0232
Financial Type:	Deobligation	Date:	12/09/2008
Budget Source:	Remedial	Amount:	$201357
Action Name:	Remedial Design	Financial ID:	0227
Financial Type:	Extramural Outlay (Payment)	Date:	12/09/2008
Budget Source:	Remedial	Amount:	$226533
Action Name:	Remedial Design	Financial ID:	0228
Financial Type:	Extramural Outlay (Payment)	Date:	12/09/2008
Budget Source:	Remedial	Amount:	$52802
Action Name:	Remedial Design	Financial ID:	0229
Financial Type:	Extramural Outlay (Payment)	Date:	12/09/2008
Budget Source:	Remedial	Amount:	$201357
Action Name:	PRP Remedial Design	Financial ID:	0009
Financial Type:	Actual Obligation	Date:	12/10/2008
Budget Source:	Remedial	Amount:	$4886

Action Name:	Removal Assessment	Financial ID:	0023
Financial Type:	Deobligation	Date:	12/10/2008
Budget Source:	Removal	Amount:	$1
Action Name:	Removal Assessment	Financial ID:	0023
Financial Type:	Extramural Outlay (Payment)	Date:	12/10/2008
Budget Source:	Removal	Amount:	$1
Action Name:	PRP Remedial Design	Financial ID:	0001
Financial Type:	Extramural Deoutlay (Credit)	Date:	12/10/2008
Budget Source:	Remedial	Amount:	$4886
Action Name:	Remedial Action	Financial ID:	0008
Financial Type:	Deobligation	Date:	12/11/2008
Budget Source:	Remedial	Amount:	$3470
Action Name:	Remedial Action	Financial ID:	0003
Financial Type:	Deobligation	Date:	12/11/2008
Budget Source:	Remedial	Amount:	$78458
Action Name:	Remedial Design	Financial ID:	0233
Financial Type:	Deobligation	Date:	12/11/2008
Budget Source:	Remedial	Amount:	$4221
Action Name:	Remedial Design	Financial ID:	0234
Financial Type:	Deobligation	Date:	12/11/2008
Budget Source:	Remedial	Amount:	$21576
Action Name:	Remedial Design	Financial ID:	0235
Financial Type:	Deobligation	Date:	12/11/2008
Budget Source:	Remedial	Amount:	$108
Action Name:	Remedial Design	Financial ID:	0236
Financial Type:	Deobligation	Date:	12/11/2008
Budget Source:	Remedial	Amount:	$11005
Action Name:	Remedial Action	Financial ID:	0008
Financial Type:	Extramural Outlay (Payment)	Date:	12/11/2008
Budget Source:	Remedial	Amount:	$3470
Action Name:	Remedial Action	Financial ID:	0003
Financial Type:	Extramural Outlay (Payment)	Date:	12/11/2008
Budget Source:	Remedial	Amount:	$78458
Action Name:	Remedial Design	Financial ID:	0230
Financial Type:	Extramural Outlay (Payment)	Date:	12/11/2008

Budget Source: Remedial Amount: $4221

Action Name: Remedial Design Financial ID: 0231
Financial Type: Extramural Outlay (Payment) Date: 12/11/2008
Budget Source: Remedial Amount: $21576

Action Name: Remedial Design Financial ID: 0232
Financial Type: Extramural Outlay (Payment) Date: 12/11/2008
Budget Source: Remedial Amount: $108

Action Name: Remedial Design Financial ID: 0233
Financial Type: Extramural Outlay (Payment) Date: 12/11/2008
Budget Source: Remedial Amount: $11005

Action Name: Remedial Action Financial ID: 0004
Financial Type: Deobligation Date: 12/23/2008
Budget Source: Remedial Amount: $1026757

Action Name: Removal Assessment Financial ID: 0024
Financial Type: Deobligation Date: 12/23/2008
Budget Source: Removal Amount: $1290

Action Name: Remedial Action Financial ID: 0004
Financial Type: Extramural Outlay (Payment) Date: 12/23/2008
Budget Source: Remedial Amount: $1026757

Action Name: Removal Assessment Financial ID: 0024
Financial Type: Extramural Outlay (Payment) Date: 12/23/2008
Budget Source: Removal Amount: $1290

Action Name: Remedial Action Financial ID: 0009
Financial Type: Deobligation Date: 12/26/2008
Budget Source: Remedial Amount: $11412

Action Name: Remedial Action Financial ID: 0009
Financial Type: Extramural Outlay (Payment) Date: 12/26/2008
Budget Source: Remedial Amount: $11412

Action Name: Remedial Design Financial ID: 0237
Financial Type: Deobligation Date: 12/30/2008
Budget Source: Remedial Amount: $102259

Action Name: Remedial Design Financial ID: 0234
Financial Type: Extramural Outlay (Payment) Date: 12/30/2008
Budget Source: Remedial Amount: $102259

Action Name: PRP Remedial Investigation/Feasibility Study Financial ID: 0025

Financial Type: Deobligation
Budget Source: Remedial
Date: 01/02/2009
Amount: $30026

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0026
Date: 01/02/2009
Amount: $3075

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0023
Date: 01/02/2009
Amount: $30026

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0024
Date: 01/02/2009
Amount: $3075

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0008
Date: 01/07/2009
Amount: $3075

Action Name: Remedial Action
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0002
Date: 01/07/2009
Amount: $3075

Action Name: Technical Assistence
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0004
Date: 01/07/2009
Amount: $6252

Action Name: Technical Assistence
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0005
Date: 01/07/2009
Amount: $1021

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0027
Date: 01/07/2009
Amount: $3075

Action Name: Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0010
Date: 01/07/2009
Amount: $3075

Action Name: Technical Assistence
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0004
Date: 01/07/2009
Amount: $6252

Action Name: Technical Assistence
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0005
Date: 01/07/2009
Amount: $1021

Action Name: Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0010
Date: 01/07/2009
Amount: $3075

Action Name: Technical Assistence
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0004
Date: 01/07/2009
Amount: $6252

Action Name: Technical Assistence
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0005
Date: 01/07/2009
Amount: $1021

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Extramural Deoutlay (Credit)
Budget Source: Remedial
Financial ID: 0003
Date: 01/07/2009
Amount: $3075

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0009
Date: 01/08/2009
Amount: $30026

Action Name: Remedial Action
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0003
Date: 01/08/2009
Amount: $30026

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0028
Date: 01/08/2009
Amount: $30026

Action Name: Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0011
Date: 01/08/2009
Amount: $30026

Action Name: Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0011
Date: 01/08/2009
Amount: $30026

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Extramural Deoutlay (Credit)
Budget Source: Remedial
Financial ID: 0004
Date: 01/08/2009
Amount: $30026

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0029
Date: 01/15/2009
Amount: $3135

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0025
Date: 01/15/2009
Amount: $3135

Action Name:	Technical Assistence	Financial ID:	0006
Financial Type:	Actual Obligation	Date:	01/20/2009
Budget Source:	Remedial	Amount:	$1072
Action Name:	Technical Assistence	Financial ID:	0007
Financial Type:	Actual Obligation	Date:	01/20/2009
Budget Source:	Remedial	Amount:	$1636
Action Name:	Technical Assistence	Financial ID:	0008
Financial Type:	Actual Obligation	Date:	01/20/2009
Budget Source:	Remedial	Amount:	$11803
Action Name:	Technical Assistence	Financial ID:	0006
Financial Type:	Deobligation	Date:	01/20/2009
Budget Source:	Remedial	Amount:	$1072
Action Name:	Technical Assistence	Financial ID:	0007
Financial Type:	Deobligation	Date:	01/20/2009
Budget Source:	Remedial	Amount:	$1636
Action Name:	Technical Assistence	Financial ID:	0008
Financial Type:	Deobligation	Date:	01/20/2009
Budget Source:	Remedial	Amount:	$11803
Action Name:	Technical Assistence	Financial ID:	0006
Financial Type:	Extramural Outlay (Payment)	Date:	01/20/2009
Budget Source:	Remedial	Amount:	$1072
Action Name:	Technical Assistence	Financial ID:	0007
Financial Type:	Extramural Outlay (Payment)	Date:	01/20/2009
Budget Source:	Remedial	Amount:	$1636
Action Name:	Technical Assistence	Financial ID:	0008
Financial Type:	Extramural Outlay (Payment)	Date:	01/20/2009
Budget Source:	Remedial	Amount:	$11803
Action Name:	Remedial Design	Financial ID:	0238
Financial Type:	Deobligation	Date:	01/21/2009
Budget Source:	Remedial	Amount:	$65642
Action Name:	Remedial Design	Financial ID:	0235
Financial Type:	Extramural Outlay (Payment)	Date:	01/21/2009
Budget Source:	Remedial	Amount:	$65642
Action Name:	PRP Remedial Design	Financial ID:	0002
Financial Type:	Deobligation	Date:	01/22/2009

Budget Source: Remedial Amount: $19226

Action Name: PRP Remedial Design Financial ID: 0002
Financial Type: Extramural Outlay (Payment) Date: 01/22/2009
Budget Source: Remedial Amount: $19226

Action Name: Remedial Action Financial ID: 0005
Financial Type: Deobligation Date: 01/27/2009
Budget Source: Remedial Amount: $1415253

Action Name: Remedial Action Financial ID: 0005
Financial Type: Extramural Outlay (Payment) Date: 01/27/2009
Budget Source: Remedial Amount: $1415253

Action Name: PRP Remedial Design Financial ID: 0069
Financial Type: Deobligation Date: 02/02/2009
Budget Source: Remedial Amount: $121113

Action Name: PRP Remedial Action Financial ID: 0019
Financial Type: Deobligation Date: 02/02/2009
Budget Source: Remedial Amount: $100948

Action Name: PRP Remedial Action Financial ID: 0020
Financial Type: Deobligation Date: 02/02/2009
Budget Source: Remedial Amount: $15418

Action Name: Removal Assessment Financial ID: 0025
Financial Type: Deobligation Date: 02/02/2009
Budget Source: Removal Amount: $303

Action Name: PRP Remedial Design Financial ID: 0071
Financial Type: Extramural Outlay (Payment) Date: 02/02/2009
Budget Source: Remedial Amount: $121113

Action Name: PRP Remedial Action Financial ID: 0019
Financial Type: Extramural Outlay (Payment) Date: 02/02/2009
Budget Source: Remedial Amount: $100948

Action Name: PRP Remedial Action Financial ID: 0020
Financial Type: Extramural Outlay (Payment) Date: 02/02/2009
Budget Source: Remedial Amount: $15418

Action Name: Removal Assessment Financial ID: 0025
Financial Type: Extramural Outlay (Payment) Date: 02/02/2009
Budget Source: Removal Amount: $303

Action Name: PRP Remedial Investigation/Feasibility Study Financial ID: 0030

Financial Type: Deobligation
Budget Source: Remedial
Date: 02/05/2009
Amount: $31558

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0031
Date: 02/05/2009
Amount: $6024

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0026
Date: 02/05/2009
Amount: $31558

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0027
Date: 02/05/2009
Amount: $6024

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0010
Date: 02/06/2009
Amount: $31558

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0011
Date: 02/06/2009
Amount: $6024

Action Name: Remedial Action
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0004
Date: 02/06/2009
Amount: $31558

Action Name: Remedial Action
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0005
Date: 02/06/2009
Amount: $6024

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0032
Date: 02/06/2009
Amount: $31558

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0033
Date: 02/06/2009
Amount: $6024

Action Name: Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0012
Date: 02/06/2009
Amount: $31558

Action Name: Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0013
Date: 02/06/2009
Amount: $6024

Action Name: Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0014
Date: 02/06/2009
Amount: $9060

Action Name: Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0012
Date: 02/06/2009
Amount: $31558

Action Name: Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0013
Date: 02/06/2009
Amount: $6024

Action Name: Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0014
Date: 02/06/2009
Amount: $9060

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Extramural Deoutlay (Credit)
Budget Source: Remedial
Financial ID: 0005
Date: 02/06/2009
Amount: $31558

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Extramural Deoutlay (Credit)
Budget Source: Remedial
Financial ID: 0006
Date: 02/06/2009
Amount: $6024

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0034
Date: 02/09/2009
Amount: $4519

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0035
Date: 02/09/2009
Amount: $1234

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0028
Date: 02/09/2009
Amount: $1234

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0029
Date: 02/09/2009
Amount: $4519

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0070
Date: 02/24/2009
Amount: $425

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0071
Date: 02/24/2009
Amount: $8153

Action Name:	PRP Remedial Action	Financial ID:	0021
Financial Type:	Deobligation	Date:	02/24/2009
Budget Source:	Remedial	Amount:	$96303
Action Name:	PRP Remedial Action	Financial ID:	0022
Financial Type:	Deobligation	Date:	02/24/2009
Budget Source:	Remedial	Amount:	$70550
Action Name:	Remedial Action	Financial ID:	0015
Financial Type:	Deobligation	Date:	02/24/2009
Budget Source:	Remedial	Amount:	$2120
Action Name:	Remedial Action	Financial ID:	0006
Financial Type:	Deobligation	Date:	02/24/2009
Budget Source:	Remedial	Amount:	$1835134
Action Name:	Remedial Design	Financial ID:	0239
Financial Type:	Deobligation	Date:	02/24/2009
Budget Source:	Remedial	Amount:	$28181
Action Name:	Remedial Design	Financial ID:	0240
Financial Type:	Deobligation	Date:	02/24/2009
Budget Source:	Remedial	Amount:	$12855
Action Name:	Remedial Design	Financial ID:	0241
Financial Type:	Deobligation	Date:	02/24/2009
Budget Source:	Remedial	Amount:	$9625
Action Name:	Remedial Design	Financial ID:	0242
Financial Type:	Deobligation	Date:	02/24/2009
Budget Source:	Remedial	Amount:	$9900
Action Name:	PRP Remedial Design	Financial ID:	0072
Financial Type:	Extramural Outlay (Payment)	Date:	02/24/2009
Budget Source:	Remedial	Amount:	$425
Action Name:	PRP Remedial Design	Financial ID:	0073
Financial Type:	Extramural Outlay (Payment)	Date:	02/24/2009
Budget Source:	Remedial	Amount:	$8153
Action Name:	PRP Remedial Action	Financial ID:	0021
Financial Type:	Extramural Outlay (Payment)	Date:	02/24/2009
Budget Source:	Remedial	Amount:	$96303
Action Name:	PRP Remedial Action	Financial ID:	0022
Financial Type:	Extramural Outlay (Payment)	Date:	02/24/2009

Budget Source: Remedial Amount: $70550

Action Name: Remedial Action Financial ID: 0015
Financial Type: Extramural Outlay (Payment) Date: 02/24/2009
Budget Source: Remedial Amount: $2120

Action Name: Remedial Action Financial ID: 0006
Financial Type: Extramural Outlay (Payment) Date: 02/24/2009
Budget Source: Remedial Amount: $1835134

Action Name: Remedial Design Financial ID: 0236
Financial Type: Extramural Outlay (Payment) Date: 02/24/2009
Budget Source: Remedial Amount: $28181

Action Name: Remedial Design Financial ID: 0237
Financial Type: Extramural Outlay (Payment) Date: 02/24/2009
Budget Source: Remedial Amount: $12855

Action Name: Remedial Design Financial ID: 0238
Financial Type: Extramural Outlay (Payment) Date: 02/24/2009
Budget Source: Remedial Amount: $9625

Action Name: Remedial Design Financial ID: 0239
Financial Type: Extramural Outlay (Payment) Date: 02/24/2009
Budget Source: Remedial Amount: $9900

Action Name: PRP Remedial Action Financial ID: 0023
Financial Type: Deobligation Date: 02/25/2009
Budget Source: Remedial Amount: $14115

Action Name: Remedial Design Financial ID: 0243
Financial Type: Deobligation Date: 02/25/2009
Budget Source: Remedial Amount: $20772

Action Name: Removal Assessment Financial ID: 0026
Financial Type: Deobligation Date: 02/25/2009
Budget Source: Removal Amount: $700

Action Name: PRP Remedial Action Financial ID: 0023
Financial Type: Extramural Outlay (Payment) Date: 02/25/2009
Budget Source: Remedial Amount: $14115

Action Name: Remedial Design Financial ID: 0240
Financial Type: Extramural Outlay (Payment) Date: 02/25/2009
Budget Source: Remedial Amount: $20772

Action Name: Removal Assessment Financial ID: 0026

Financial Type: Extramural Outlay (Payment) Date: 02/25/2009
Budget Source: Removal Amount: $700

Action Name: Remedial Design Financial ID: 0244
Financial Type: Deobligation Date: 02/27/2009
Budget Source: Remedial Amount: $92605

Action Name: Remedial Design Financial ID: 0241
Financial Type: Extramural Outlay (Payment) Date: 02/27/2009
Budget Source: Remedial Amount: $92605

Action Name: PRP Remedial Investigation/Feasibility Study Financial ID: 0036
Financial Type: Deobligation Date: 03/02/2009
Budget Source: Remedial Amount: $293

Action Name: PRP Remedial Investigation/Feasibility Study Financial ID: 0030
Financial Type: Extramural Outlay (Payment) Date: 03/02/2009
Budget Source: Remedial Amount: $293

Action Name: PRP Remedial Investigation/Feasibility Study Financial ID: 0037
Financial Type: Deobligation Date: 03/03/2009
Budget Source: Remedial Amount: $14652

Action Name: PRP Remedial Investigation/Feasibility Study Financial ID: 0031
Financial Type: Extramural Outlay (Payment) Date: 03/03/2009
Budget Source: Remedial Amount: $14652

Action Name: PRP Remedial Investigation/Feasibility Study Financial ID: 0012
Financial Type: Actual Obligation Date: 03/06/2009
Budget Source: Remedial Amount: $293

Action Name: PRP Remedial Investigation/Feasibility Study Financial ID: 0013
Financial Type: Actual Obligation Date: 03/06/2009
Budget Source: Remedial Amount: $14652

Action Name: Remedial Action Financial ID: 0006
Financial Type: Actual Obligation Date: 03/06/2009
Budget Source: Remedial Amount: $14652

Action Name: Remedial Action Financial ID: 0007
Financial Type: Actual Obligation Date: 03/06/2009
Budget Source: Remedial Amount: $293

Action Name: Removal Assessment Financial ID: 0008
Financial Type: Actual Obligation Date: 03/06/2009
Budget Source: Removal Amount: $337

Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0038
Financial Type:	Deobligation	Date:	03/06/2009
Budget Source:	Remedial	Amount:	$14652
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0039
Financial Type:	Deobligation	Date:	03/06/2009
Budget Source:	Remedial	Amount:	$293
Action Name:	Remedial Action	Financial ID:	0016
Financial Type:	Deobligation	Date:	03/06/2009
Budget Source:	Remedial	Amount:	$14652
Action Name:	Remedial Action	Financial ID:	0017
Financial Type:	Deobligation	Date:	03/06/2009
Budget Source:	Remedial	Amount:	$293
Action Name:	Removal Assessment	Financial ID:	0027
Financial Type:	Deobligation	Date:	03/06/2009
Budget Source:	Removal	Amount:	$337
Action Name:	Remedial Action	Financial ID:	0016
Financial Type:	Extramural Outlay (Payment)	Date:	03/06/2009
Budget Source:	Remedial	Amount:	$14652
Action Name:	Remedial Action	Financial ID:	0017
Financial Type:	Extramural Outlay (Payment)	Date:	03/06/2009
Budget Source:	Remedial	Amount:	$293
Action Name:	Removal Assessment	Financial ID:	0027
Financial Type:	Extramural Outlay (Payment)	Date:	03/06/2009
Budget Source:	Removal	Amount:	$337
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0007
Financial Type:	Extramural Deoutlay (Credit)	Date:	03/06/2009
Budget Source:	Remedial	Amount:	$293
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0008
Financial Type:	Extramural Deoutlay (Credit)	Date:	03/06/2009
Budget Source:	Remedial	Amount:	$14652
Action Name:	Remedial Design	Financial ID:	0245
Financial Type:	Deobligation	Date:	03/10/2009
Budget Source:	Remedial	Amount:	$8912
Action Name:	Remedial Design	Financial ID:	0246
Financial Type:	Deobligation	Date:	03/10/2009
Budget Source:	Remedial	Amount:	$135843

Action Name:	Remedial Design	Financial ID:	0242
Financial Type:	Extramural Outlay (Payment)	Date:	03/10/2009
Budget Source:	Remedial	Amount:	$8912
Action Name:	Remedial Design	Financial ID:	0243
Financial Type:	Extramural Outlay (Payment)	Date:	03/10/2009
Budget Source:	Remedial	Amount:	$135843
Action Name:	Remedial Design	Financial ID:	0247
Financial Type:	Deobligation	Date:	03/16/2009
Budget Source:	Remedial	Amount:	$51970
Action Name:	Remedial Design	Financial ID:	0244
Financial Type:	Extramural Outlay (Payment)	Date:	03/16/2009
Budget Source:	Remedial	Amount:	$51970
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0040
Financial Type:	Deobligation	Date:	03/24/2009
Budget Source:	Remedial	Amount:	$69244
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0041
Financial Type:	Deobligation	Date:	03/24/2009
Budget Source:	Remedial	Amount:	$46237
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0042
Financial Type:	Deobligation	Date:	03/24/2009
Budget Source:	Remedial	Amount:	$175430
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0032
Financial Type:	Extramural Outlay (Payment)	Date:	03/24/2009
Budget Source:	Remedial	Amount:	$69244
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0033
Financial Type:	Extramural Outlay (Payment)	Date:	03/24/2009
Budget Source:	Remedial	Amount:	$46237
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0034
Financial Type:	Extramural Outlay (Payment)	Date:	03/24/2009
Budget Source:	Remedial	Amount:	$175430
Action Name:	Remedial Action	Financial ID:	0002
Financial Type:	Commitment	Date:	03/25/2009
Budget Source:	Remedial	Amount:	$748545
Action Name:	Remedial Design	Financial ID:	0248
Financial Type:	Deobligation	Date:	03/25/2009

Budget Source: Remedial Amount: $50430

Action Name: Remedial Design Financial ID: 0245
Financial Type: Extramural Outlay (Payment) Date: 03/25/2009
Budget Source: Remedial Amount: $50430

Action Name: PRP Remedial Investigation/Feasibility Study Financial ID: 0043
Financial Type: Deobligation Date: 03/26/2009
Budget Source: Remedial Amount: $962

Action Name: PRP Remedial Investigation/Feasibility Study Financial ID: 0044
Financial Type: Deobligation Date: 03/26/2009
Budget Source: Remedial Amount: $337

Action Name: Remedial Action Financial ID: 0007
Financial Type: Deobligation Date: 03/26/2009
Budget Source: Remedial Amount: $1432483

Action Name: PRP Remedial Investigation/Feasibility Study Financial ID: 0035
Financial Type: Extramural Outlay (Payment) Date: 03/26/2009
Budget Source: Remedial Amount: $962

Action Name: PRP Remedial Investigation/Feasibility Study Financial ID: 0036
Financial Type: Extramural Outlay (Payment) Date: 03/26/2009
Budget Source: Remedial Amount: $337

Action Name: Remedial Action Financial ID: 0007
Financial Type: Extramural Outlay (Payment) Date: 03/26/2009
Budget Source: Remedial Amount: $1432483

Action Name: PRP Remedial Investigation/Feasibility Study Financial ID: 0014
Financial Type: Actual Obligation Date: 03/31/2009
Budget Source: Remedial Amount: $962

Action Name: Remedial Action Financial ID: 0018
Financial Type: Deobligation Date: 03/31/2009
Budget Source: Remedial Amount: $962

Action Name: Remedial Action Financial ID: 0018
Financial Type: Extramural Outlay (Payment) Date: 03/31/2009
Budget Source: Remedial Amount: $962

Action Name: PRP Remedial Investigation/Feasibility Study Financial ID: 0009
Financial Type: Extramural Deoutlay (Credit) Date: 03/31/2009
Budget Source: Remedial Amount: $962

Action Name: Remedial Action Financial ID: 0008

Financial Type: Actual Obligation
Budget Source: Remedial
Date: 04/01/2009
Amount: $962

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0045
Date: 04/01/2009
Amount: $962

Action Name: PRP Remedial Action
Financial Type: Commitment
Budget Source: Remedial
Financial ID: 0002
Date: 04/10/2009
Amount: $100000

Action Name: Remedial Action
Financial Type: Decommitment
Budget Source: Remedial
Financial ID: 0002
Date: 04/15/2009
Amount: $748545

Action Name: Remedial Action
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0002
Date: 04/15/2009
Amount: $748545

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0249
Date: 04/23/2009
Amount: $164953

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0250
Date: 04/23/2009
Amount: $17708

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0246
Date: 04/23/2009
Amount: $164953

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0247
Date: 04/23/2009
Amount: $17708

Action Name: PRP Remedial Action
Financial Type: Decommitment
Budget Source: Remedial
Financial ID: 0002
Date: 05/01/2009
Amount: $3000

Action Name: PRP Remedial Action
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0002
Date: 05/01/2009
Amount: $3000

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0046
Date: 05/01/2009
Amount: $3954

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0047
Date: 05/01/2009
Amount: $229

Action Name: Removal Assessment
Financial Type: Deobligation
Budget Source: Removal
Financial ID: 0028
Date: 05/01/2009
Amount: $652

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0037
Date: 05/01/2009
Amount: $3954

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0038
Date: 05/01/2009
Amount: $229

Action Name: Removal Assessment
Financial Type: Extramural Outlay (Payment)
Budget Source: Removal
Financial ID: 0028
Date: 05/01/2009
Amount: $652

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0251
Date: 05/04/2009
Amount: $133278

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0252
Date: 05/04/2009
Amount: $26530

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0253
Date: 05/04/2009
Amount: $833

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0254
Date: 05/04/2009
Amount: $114946

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0248
Date: 05/04/2009
Amount: $133278

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0249
Date: 05/04/2009
Amount: $26530

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0250
Date: 05/04/2009
Amount: $833

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0251
Date: 05/04/2009
Amount: $114946

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0015
Date: 05/05/2009
Amount: $3954

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0016
Date: 05/05/2009
Amount: $229

Action Name: Remedial Action
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0009
Date: 05/05/2009
Amount: $3954

Action Name: Remedial Action
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0010
Date: 05/05/2009
Amount: $229

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0048
Date: 05/05/2009
Amount: $3954

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0049
Date: 05/05/2009
Amount: $229

Action Name: Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0019
Date: 05/05/2009
Amount: $229

Action Name: Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0020
Date: 05/05/2009
Amount: $3954

Action Name: Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0001
Date: 05/05/2009
Amount: $34950

Action Name: Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0019
Date: 05/05/2009
Amount: $229

Action Name: Remedial Action
Financial Type: Extramural Outlay (Payment)
Financial ID: 0020
Date: 05/05/2009

Budget Source: Remedial Amount: $3954

Action Name: Remedial Action Financial ID: 0001
Financial Type: Extramural Outlay (Payment) Date: 05/05/2009
Budget Source: Remedial Amount: $34950

Action Name: PRP Remedial Investigation/Feasibility Study Financial ID: 0010
Financial Type: Extramural Deoutlay (Credit) Date: 05/05/2009
Budget Source: Remedial Amount: $3954

Action Name: PRP Remedial Investigation/Feasibility Study Financial ID: 0011
Financial Type: Extramural Deoutlay (Credit) Date: 05/05/2009
Budget Source: Remedial Amount: $229

Action Name: Remedial Action Financial ID: 0008
Financial Type: Deobligation Date: 05/11/2009
Budget Source: Remedial Amount: $165221

Action Name: Remedial Action Financial ID: 0009
Financial Type: Deobligation Date: 05/11/2009
Budget Source: Remedial Amount: $73217

Action Name: Remedial Action Financial ID: 0008
Financial Type: Extramural Outlay (Payment) Date: 05/11/2009
Budget Source: Remedial Amount: $165221

Action Name: Remedial Action Financial ID: 0009
Financial Type: Extramural Outlay (Payment) Date: 05/11/2009
Budget Source: Remedial Amount: $73217

Action Name: PRP Remedial Investigation/Feasibility Study Financial ID: 0050
Financial Type: Deobligation Date: 05/18/2009
Budget Source: Remedial Amount: $14640

Action Name: PRP Remedial Action Financial ID: 0024
Financial Type: Deobligation Date: 05/18/2009
Budget Source: Remedial Amount: $19834

Action Name: PRP Remedial Action Financial ID: 0025
Financial Type: Deobligation Date: 05/18/2009
Budget Source: Remedial Amount: $13639

Action Name: PRP Remedial Action Financial ID: 0026
Financial Type: Deobligation Date: 05/18/2009
Budget Source: Remedial Amount: $124372

Action Name: PRP Remedial Investigation/Feasibility Study Financial ID: 0039

Financial Type: Extramural Outlay (Payment) Date: 05/18/2009
Budget Source: Remedial Amount: $14640

Action Name: PRP Remedial Action Financial ID: 0024
Financial Type: Extramural Outlay (Payment) Date: 05/18/2009
Budget Source: Remedial Amount: $19834

Action Name: PRP Remedial Action Financial ID: 0025
Financial Type: Extramural Outlay (Payment) Date: 05/18/2009
Budget Source: Remedial Amount: $13639

Action Name: PRP Remedial Action Financial ID: 0026
Financial Type: Extramural Outlay (Payment) Date: 05/18/2009
Budget Source: Remedial Amount: $124372

Action Name: Remedial Action Financial ID: 0010
Financial Type: Deobligation Date: 05/26/2009
Budget Source: Remedial Amount: $775737

Action Name: Remedial Action Financial ID: 0010
Financial Type: Extramural Outlay (Payment) Date: 05/26/2009
Budget Source: Remedial Amount: $775737

Action Name: PRP Remedial Design Financial ID: 0072
Financial Type: Deobligation Date: 05/27/2009
Budget Source: Remedial Amount: $3084

Action Name: Remedial Design Financial ID: 0255
Financial Type: Deobligation Date: 05/27/2009
Budget Source: Remedial Amount: $22992

Action Name: PRP Remedial Design Financial ID: 0074
Financial Type: Extramural Outlay (Payment) Date: 05/27/2009
Budget Source: Remedial Amount: $3084

Action Name: Remedial Design Financial ID: 0252
Financial Type: Extramural Outlay (Payment) Date: 05/27/2009
Budget Source: Remedial Amount: $22992

Action Name: PRP Remedial Investigation/Feasibility Study Financial ID: 0051
Financial Type: Deobligation Date: 06/04/2009
Budget Source: Remedial Amount: $9

Action Name: PRP Remedial Investigation/Feasibility Study Financial ID: 0052
Financial Type: Deobligation Date: 06/04/2009
Budget Source: Remedial Amount: $48

Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0040
Financial Type:	Extramural Outlay (Payment)	Date:	06/04/2009
Budget Source:	Remedial	Amount:	$9
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0041
Financial Type:	Extramural Outlay (Payment)	Date:	06/04/2009
Budget Source:	Remedial	Amount:	$48
Action Name:	Remedial Action	Financial ID:	0002
Financial Type:	Deobligation	Date:	06/05/2009
Budget Source:	Remedial	Amount:	$635616
Action Name:	Remedial Action	Financial ID:	0002
Financial Type:	Extramural Outlay (Payment)	Date:	06/05/2009
Budget Source:	Remedial	Amount:	$635616
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0053
Financial Type:	Deobligation	Date:	06/09/2009
Budget Source:	Remedial	Amount:	$183453
Action Name:	PRP Remedial Action	Financial ID:	0027
Financial Type:	Deobligation	Date:	06/09/2009
Budget Source:	Remedial	Amount:	$21206
Action Name:	Remedial Design	Financial ID:	0256
Financial Type:	Deobligation	Date:	06/09/2009
Budget Source:	Remedial	Amount:	$144088
Action Name:	Remedial Design	Financial ID:	0257
Financial Type:	Deobligation	Date:	06/09/2009
Budget Source:	Remedial	Amount:	$218972
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0042
Financial Type:	Extramural Outlay (Payment)	Date:	06/09/2009
Budget Source:	Remedial	Amount:	$183453
Action Name:	PRP Remedial Action	Financial ID:	0027
Financial Type:	Extramural Outlay (Payment)	Date:	06/09/2009
Budget Source:	Remedial	Amount:	$21206
Action Name:	Remedial Design	Financial ID:	0253
Financial Type:	Extramural Outlay (Payment)	Date:	06/09/2009
Budget Source:	Remedial	Amount:	$144088
Action Name:	Remedial Design	Financial ID:	0254
Financial Type:	Extramural Outlay (Payment)	Date:	06/09/2009
Budget Source:	Remedial	Amount:	$218972

Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0007
Financial Type:	Commitment	Date:	06/11/2009
Budget Source:	Remedial	Amount:	$100000
Action Name:	PRP Remedial Action	Financial ID:	0003
Financial Type:	Commitment	Date:	06/17/2009
Budget Source:	Remedial	Amount:	$9412172
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0008
Financial Type:	Commitment	Date:	06/18/2009
Budget Source:	Remedial	Amount:	$1035000
Action Name:	PRP Remedial Design	Financial ID:	0002
Financial Type:	Commitment	Date:	06/18/2009
Budget Source:	Remedial	Amount:	$610000
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0017
Financial Type:	Actual Obligation	Date:	06/18/2009
Budget Source:	Remedial	Amount:	$9
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0018
Financial Type:	Actual Obligation	Date:	06/18/2009
Budget Source:	Remedial	Amount:	$48
Action Name:	Remedial Action	Financial ID:	0011
Financial Type:	Actual Obligation	Date:	06/18/2009
Budget Source:	Remedial	Amount:	$9
Action Name:	Remedial Action	Financial ID:	0012
Financial Type:	Actual Obligation	Date:	06/18/2009
Budget Source:	Remedial	Amount:	$48
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0054
Financial Type:	Deobligation	Date:	06/18/2009
Budget Source:	Remedial	Amount:	$9
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0055
Financial Type:	Deobligation	Date:	06/18/2009
Budget Source:	Remedial	Amount:	$48
Action Name:	Remedial Action	Financial ID:	0021
Financial Type:	Deobligation	Date:	06/18/2009
Budget Source:	Remedial	Amount:	$48
Action Name:	Remedial Action	Financial ID:	0022
Financial Type:	Deobligation	Date:	06/18/2009

Budget Source: Remedial Amount: $9

Action Name: Remedial Action Financial ID: 0021
Financial Type: Extramural Outlay (Payment) Date: 06/18/2009
Budget Source: Remedial Amount: $48

Action Name: Remedial Action Financial ID: 0022
Financial Type: Extramural Outlay (Payment) Date: 06/18/2009
Budget Source: Remedial Amount: $9

Action Name: PRP Remedial Investigation/Feasibility Study Financial ID: 0012
Financial Type: Extramural Deoutlay (Credit) Date: 06/18/2009
Budget Source: Remedial Amount: $9

Action Name: PRP Remedial Investigation/Feasibility Study Financial ID: 0013
Financial Type: Extramural Deoutlay (Credit) Date: 06/18/2009
Budget Source: Remedial Amount: $48

Action Name: Remedial Design Financial ID: 0258
Financial Type: Deobligation Date: 06/23/2009
Budget Source: Remedial Amount: $17127

Action Name: Remedial Design Financial ID: 0259
Financial Type: Deobligation Date: 06/23/2009
Budget Source: Remedial Amount: $189711

Action Name: Remedial Design Financial ID: 0255
Financial Type: Extramural Outlay (Payment) Date: 06/23/2009
Budget Source: Remedial Amount: $17127

Action Name: Remedial Design Financial ID: 0256
Financial Type: Extramural Outlay (Payment) Date: 06/23/2009
Budget Source: Remedial Amount: $189711

Action Name: PRP Remedial Action Financial ID: 0003
Financial Type: Decommitment Date: 06/24/2009
Budget Source: Remedial Amount: $9412172

Action Name: PRP Remedial Action Financial ID: 0003
Financial Type: Actual Obligation Date: 06/24/2009
Budget Source: Remedial Amount: $9412172

Action Name: PRP Remedial Investigation/Feasibility Study Financial ID: 0056
Financial Type: Deobligation Date: 06/24/2009
Budget Source: Remedial Amount: $242

Action Name: PRP Remedial Investigation/Feasibility Study Financial ID: 0057

Financial Type: Deobligation
Budget Source: Remedial
Date: 06/24/2009
Amount: $77

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0043
Date: 06/24/2009
Amount: $242

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0044
Date: 06/24/2009
Amount: $77

Action Name: Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0003
Date: 06/25/2009
Amount: $58943

Action Name: Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0003
Date: 06/25/2009
Amount: $58943

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Decommitment
Budget Source: Remedial
Financial ID: 0007
Date: 06/26/2009
Amount: $1035000

Action Name: PRP Remedial Design
Financial Type: Decommitment
Budget Source: Remedial
Financial ID: 0002
Date: 06/26/2009
Amount: $610000

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0019
Date: 06/26/2009
Amount: $1035000

Action Name: PRP Remedial Design
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0002
Date: 06/26/2009
Amount: $610000

Action Name: Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0011
Date: 06/29/2009
Amount: $46688

Action Name: Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0011
Date: 06/29/2009
Amount: $46688

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0020
Date: 07/02/2009
Amount: $242

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0021
Date: 07/02/2009
Amount: $77

Action Name: Remedial Action
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0013
Date: 07/02/2009
Amount: $242

Action Name: Remedial Action
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0014
Date: 07/02/2009
Amount: $77

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0058
Date: 07/02/2009
Amount: $242

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0059
Date: 07/02/2009
Amount: $77

Action Name: Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0023
Date: 07/02/2009
Amount: $242

Action Name: Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0024
Date: 07/02/2009
Amount: $77

Action Name: Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0023
Date: 07/02/2009
Amount: $242

Action Name: Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0024
Date: 07/02/2009
Amount: $77

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Extramural Deoutlay (Credit)
Budget Source: Remedial
Financial ID: 0014
Date: 07/02/2009
Amount: $242

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Extramural Deoutlay (Credit)
Budget Source: Remedial
Financial ID: 0015
Date: 07/02/2009
Amount: $77

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Decommitment
Budget Source: Remedial
Financial ID: 0008
Date: 07/06/2009
Amount: $100000

Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0022
Financial Type:	Actual Obligation	Date:	07/06/2009
Budget Source:	Remedial	Amount:	$100000
Action Name:	Remedial Action	Financial ID:	0025
Financial Type:	Deobligation	Date:	07/10/2009
Budget Source:	Remedial	Amount:	$6678
Action Name:	Remedial Action	Financial ID:	0025
Financial Type:	Extramural Outlay (Payment)	Date:	07/10/2009
Budget Source:	Remedial	Amount:	$6678
Action Name:	Remedial Action	Financial ID:	0026
Financial Type:	Deobligation	Date:	07/14/2009
Budget Source:	Remedial	Amount:	$4452
Action Name:	Remedial Action	Financial ID:	0026
Financial Type:	Extramural Outlay (Payment)	Date:	07/14/2009
Budget Source:	Remedial	Amount:	$4452
Action Name:	Removal Assessment	Financial ID:	0009
Financial Type:	Actual Obligation	Date:	07/16/2009
Budget Source:	Removal	Amount:	$9
Action Name:	Removal Assessment	Financial ID:	0010
Financial Type:	Actual Obligation	Date:	07/16/2009
Budget Source:	Removal	Amount:	$9
Action Name:	Removal Assessment	Financial ID:	0029
Financial Type:	Deobligation	Date:	07/16/2009
Budget Source:	Removal	Amount:	$9
Action Name:	Removal Assessment	Financial ID:	0029
Financial Type:	Extramural Outlay (Payment)	Date:	07/16/2009
Budget Source:	Removal	Amount:	$9
Action Name:	Removal Assessment	Financial ID:	0001
Financial Type:	Extramural Deoutlay (Credit)	Date:	07/16/2009
Budget Source:	Removal	Amount:	$9
Action Name:	Removal Assessment	Financial ID:	0002
Financial Type:	Extramural Deoutlay (Credit)	Date:	07/16/2009
Budget Source:	Removal	Amount:	$9
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0060
Financial Type:	Deobligation	Date:	07/22/2009

Budget Source:	Remedial	Amount:	$3265
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0045
Financial Type:	Extramural Outlay (Payment)	Date:	07/22/2009
Budget Source:	Remedial	Amount:	$3265
Action Name:	PRP Remedial Action	Financial ID:	0004
Financial Type:	Decommitment	Date:	07/23/2009
Budget Source:	Remedial	Amount:	$51938
Action Name:	PRP Remedial Action	Financial ID:	0004
Financial Type:	Actual Obligation	Date:	07/23/2009
Budget Source:	Remedial	Amount:	$51938
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0061
Financial Type:	Deobligation	Date:	07/28/2009
Budget Source:	Remedial	Amount:	$834
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0023
Financial Type:	Actual Obligation	Date:	07/29/2009
Budget Source:	Remedial	Amount:	$834
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0062
Financial Type:	Deobligation	Date:	07/30/2009
Budget Source:	Remedial	Amount:	$5985
Action Name:	PRP Remedial Action	Financial ID:	0028
Financial Type:	Deobligation	Date:	07/30/2009
Budget Source:	Remedial	Amount:	$62694
Action Name:	PRP Remedial Action	Financial ID:	0029
Financial Type:	Deobligation	Date:	07/30/2009
Budget Source:	Remedial	Amount:	$86279
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0046
Financial Type:	Extramural Outlay (Payment)	Date:	07/30/2009
Budget Source:	Remedial	Amount:	$5985
Action Name:	PRP Remedial Action	Financial ID:	0028
Financial Type:	Extramural Outlay (Payment)	Date:	07/30/2009
Budget Source:	Remedial	Amount:	$62694
Action Name:	PRP Remedial Action	Financial ID:	0029
Financial Type:	Extramural Outlay (Payment)	Date:	07/30/2009
Budget Source:	Remedial	Amount:	$86279
Action Name:	Remedial Action	Financial ID:	0012

Financial Type: Deobligation
Budget Source: Remedial
Date: 07/31/2009
Amount: $203440

Action Name: Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0004
Date: 07/31/2009
Amount: $121641

Action Name: Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0005
Date: 07/31/2009
Amount: $128575

Action Name: Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0012
Date: 07/31/2009
Amount: $203440

Action Name: Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0004
Date: 07/31/2009
Amount: $121641

Action Name: Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0005
Date: 07/31/2009
Amount: $128575

Action Name: Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0027
Date: 08/07/2009
Amount: $8904

Action Name: Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0027
Date: 08/07/2009
Amount: $8904

Action Name: PRP Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0030
Date: 08/13/2009
Amount: $2591

Action Name: PRP Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0030
Date: 08/13/2009
Amount: $2591

Action Name: Combined RI/FS
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0052
Date: 08/18/2009
Amount: $6339

Action Name: Combined RI/FS
Financial Type: Extramural Deoutlay (Credit)
Budget Source: Remedial
Financial ID: 0008
Date: 08/18/2009
Amount: $6339

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0063
Date: 09/02/2009
Amount: $3162

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0047
Date: 09/02/2009
Amount: $3162

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0064
Date: 09/09/2009
Amount: $3884

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0073
Date: 09/09/2009
Amount: $2367

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0074
Date: 09/09/2009
Amount: $1953

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0260
Date: 09/09/2009
Amount: $19189

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0048
Date: 09/09/2009
Amount: $3884

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0075
Date: 09/09/2009
Amount: $2367

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0076
Date: 09/09/2009
Amount: $1953

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0257
Date: 09/09/2009
Amount: $19189

Action Name: PRP Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0031
Date: 09/11/2009
Amount: $1703

Action Name: PRP Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0031
Date: 09/11/2009
Amount: $1703

Action Name:	Remedial Action	Financial ID:	0028
Financial Type:	Deobligation	Date:	09/14/2009
Budget Source:	Remedial	Amount:	$8504
Action Name:	Remedial Action	Financial ID:	0028
Financial Type:	Extramural Outlay (Payment)	Date:	09/14/2009
Budget Source:	Remedial	Amount:	$8504
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0024
Financial Type:	Actual Obligation	Date:	09/15/2009
Budget Source:	Remedial	Amount:	$3162
Action Name:	Removal Assessment	Financial ID:	0011
Financial Type:	Actual Obligation	Date:	09/15/2009
Budget Source:	Removal	Amount:	$3162
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0065
Financial Type:	Deobligation	Date:	09/15/2009
Budget Source:	Remedial	Amount:	$3162
Action Name:	Removal Assessment	Financial ID:	0030
Financial Type:	Deobligation	Date:	09/15/2009
Budget Source:	Removal	Amount:	$3162
Action Name:	Removal Assessment	Financial ID:	0030
Financial Type:	Extramural Outlay (Payment)	Date:	09/15/2009
Budget Source:	Removal	Amount:	$3162
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0016
Financial Type:	Extramural Deoutlay (Credit)	Date:	09/15/2009
Budget Source:	Remedial	Amount:	$3162
Action Name:	Remedial Action	Financial ID:	0003
Financial Type:	Commitment	Date:	09/16/2009
Budget Source:	Remedial	Amount:	$875000
Action Name:	Remedial Action	Financial ID:	0013
Financial Type:	Deobligation	Date:	09/17/2009
Budget Source:	Remedial	Amount:	$267084
Action Name:	Remedial Action	Financial ID:	0006
Financial Type:	Deobligation	Date:	09/17/2009
Budget Source:	Remedial	Amount:	$162810
Action Name:	Remedial Action	Financial ID:	0013
Financial Type:	Extramural Outlay (Payment)	Date:	09/17/2009

Budget Source:	Remedial	Amount:	$267084
Action Name:	Remedial Action	Financial ID:	0006
Financial Type:	Extramural Outlay (Payment)	Date:	09/17/2009
Budget Source:	Remedial	Amount:	$162810
Action Name:	PRP Remedial Action	Financial ID:	0005
Financial Type:	Decommitment	Date:	09/22/2009
Budget Source:	Remedial	Amount:	$45062
Action Name:	PRP Remedial Action	Financial ID:	0005
Financial Type:	Actual Obligation	Date:	09/22/2009
Budget Source:	Remedial	Amount:	$44981
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0066
Financial Type:	Deobligation	Date:	09/23/2009
Budget Source:	Remedial	Amount:	$23384
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0067
Financial Type:	Deobligation	Date:	09/23/2009
Budget Source:	Remedial	Amount:	$2545
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0049
Financial Type:	Extramural Outlay (Payment)	Date:	09/23/2009
Budget Source:	Remedial	Amount:	$23384
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0050
Financial Type:	Extramural Outlay (Payment)	Date:	09/23/2009
Budget Source:	Remedial	Amount:	$2545
Action Name:	Remedial Action	Financial ID:	0003
Financial Type:	Decommitment	Date:	09/24/2009
Budget Source:	Remedial	Amount:	$875000
Action Name:	Remedial Action	Financial ID:	0003
Financial Type:	Actual Obligation	Date:	09/24/2009
Budget Source:	Remedial	Amount:	$875000
Action Name:	PRP Remedial Design	Financial ID:	0075
Financial Type:	Deobligation	Date:	09/25/2009
Budget Source:	Remedial	Amount:	$2571
Action Name:	PRP Remedial Design	Financial ID:	0076
Financial Type:	Deobligation	Date:	09/25/2009
Budget Source:	Remedial	Amount:	$2939
Action Name:	PRP Remedial Design	Financial ID:	0077

Financial Type: Deobligation
Budget Source: Remedial
Date: 09/25/2009
Amount: $1307

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0003
Date: 09/25/2009
Amount: $23138

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0261
Date: 09/25/2009
Amount: $14175

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0262
Date: 09/25/2009
Amount: $828

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0263
Date: 09/25/2009
Amount: $6529

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0264
Date: 09/25/2009
Amount: $7279

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0077
Date: 09/25/2009
Amount: $2571

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0078
Date: 09/25/2009
Amount: $2939

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0079
Date: 09/25/2009
Amount: $1307

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0003
Date: 09/25/2009
Amount: $23138

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0258
Date: 09/25/2009
Amount: $14175

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0259
Date: 09/25/2009
Amount: $828

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0260
Date: 09/25/2009
Amount: $6529

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0261
Date: 09/25/2009
Amount: $7279

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0025
Date: 10/02/2009
Amount: $2545

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0026
Date: 10/02/2009
Amount: $23384

Action Name: Removal Assessment
Financial Type: Actual Obligation
Budget Source: Removal
Financial ID: 0012
Date: 10/02/2009
Amount: $23384

Action Name: Removal Assessment
Financial Type: Actual Obligation
Budget Source: Removal
Financial ID: 0013
Date: 10/02/2009
Amount: $2545

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0068
Date: 10/02/2009
Amount: $23384

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0069
Date: 10/02/2009
Amount: $2545

Action Name: Removal Assessment
Financial Type: Deobligation
Budget Source: Removal
Financial ID: 0031
Date: 10/02/2009
Amount: $23384

Action Name: Removal Assessment
Financial Type: Deobligation
Budget Source: Removal
Financial ID: 0032
Date: 10/02/2009
Amount: $2545

Action Name: Removal Assessment
Financial Type: Extramural Outlay (Payment)
Budget Source: Removal
Financial ID: 0031
Date: 10/02/2009
Amount: $23384

Action Name: Removal Assessment
Financial Type: Extramural Outlay (Payment)
Budget Source: Removal
Financial ID: 0032
Date: 10/02/2009
Amount: $2545

Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0017
Financial Type:	Extramural Deoutlay (Credit)	Date:	10/02/2009
Budget Source:	Remedial	Amount:	$2545
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0018
Financial Type:	Extramural Deoutlay (Credit)	Date:	10/02/2009
Budget Source:	Remedial	Amount:	$23384
Action Name:	Combined RI/FS	Financial ID:	0053
Financial Type:	Actual Obligation	Date:	10/05/2009
Budget Source:	Remedial	Amount:	$13769
Action Name:	Combined RI/FS	Financial ID:	0009
Financial Type:	Extramural Deoutlay (Credit)	Date:	10/05/2009
Budget Source:	Remedial	Amount:	$13769
Action Name:	PRP Remedial Action	Financial ID:	0032
Financial Type:	Deobligation	Date:	10/09/2009
Budget Source:	Remedial	Amount:	$5602
Action Name:	PRP Remedial Action	Financial ID:	0032
Financial Type:	Extramural Outlay (Payment)	Date:	10/09/2009
Budget Source:	Remedial	Amount:	$5602
Action Name:	Remedial Action	Financial ID:	0029
Financial Type:	Deobligation	Date:	10/16/2009
Budget Source:	Remedial	Amount:	$4052
Action Name:	Remedial Action	Financial ID:	0029
Financial Type:	Extramural Outlay (Payment)	Date:	10/16/2009
Budget Source:	Remedial	Amount:	$4052
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0070
Financial Type:	Deobligation	Date:	10/21/2009
Budget Source:	Remedial	Amount:	$124460
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0071
Financial Type:	Deobligation	Date:	10/21/2009
Budget Source:	Remedial	Amount:	$31777
Action Name:	Remedial Design	Financial ID:	0265
Financial Type:	Deobligation	Date:	10/21/2009
Budget Source:	Remedial	Amount:	$312877
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0051
Financial Type:	Extramural Outlay (Payment)	Date:	10/21/2009

Budget Source: Remedial Amount: $124460

Action Name: PRP Remedial Investigation/Feasibility Study Financial ID: 0052
Financial Type: Extramural Outlay (Payment) Date: 10/21/2009
Budget Source: Remedial Amount: $31777

Action Name: Remedial Design Financial ID: 0262
Financial Type: Extramural Outlay (Payment) Date: 10/21/2009
Budget Source: Remedial Amount: $312877

Action Name: Remedial Action Financial ID: 0030
Financial Type: Deobligation Date: 10/29/2009
Budget Source: Remedial Amount: $4040

Action Name: Remedial Action Financial ID: 0030
Financial Type: Extramural Outlay (Payment) Date: 10/29/2009
Budget Source: Remedial Amount: $4040

Action Name: PRP Remedial Investigation/Feasibility Study Financial ID: 0072
Financial Type: Deobligation Date: 10/30/2009
Budget Source: Remedial Amount: $2073

Action Name: PRP Remedial Investigation/Feasibility Study Financial ID: 0073
Financial Type: Deobligation Date: 10/30/2009
Budget Source: Remedial Amount: $2000

Action Name: PRP Remedial Investigation/Feasibility Study Financial ID: 0074
Financial Type: Deobligation Date: 10/30/2009
Budget Source: Remedial Amount: $337

Action Name: Removal Assessment Financial ID: 0033
Financial Type: Deobligation Date: 10/30/2009
Budget Source: Removal Amount: $506

Action Name: PRP Remedial Investigation/Feasibility Study Financial ID: 0053
Financial Type: Extramural Outlay (Payment) Date: 10/30/2009
Budget Source: Remedial Amount: $2073

Action Name: PRP Remedial Investigation/Feasibility Study Financial ID: 0054
Financial Type: Extramural Outlay (Payment) Date: 10/30/2009
Budget Source: Remedial Amount: $2000

Action Name: PRP Remedial Investigation/Feasibility Study Financial ID: 0055
Financial Type: Extramural Outlay (Payment) Date: 10/30/2009
Budget Source: Remedial Amount: $337

Action Name: PRP Remedial Investigation/Feasibility Study Financial ID: 0027

Financial Type: Actual Obligation
Budget Source: Remedial
Date: 11/03/2009
Amount: $2000

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0028
Date: 11/03/2009
Amount: $337

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0029
Date: 11/03/2009
Amount: $2073

Action Name: Removal Assessment
Financial Type: Actual Obligation
Budget Source: Removal
Financial ID: 0014
Date: 11/03/2009
Amount: $2000

Action Name: Removal Assessment
Financial Type: Actual Obligation
Budget Source: Removal
Financial ID: 0015
Date: 11/03/2009
Amount: $2073

Action Name: Removal Assessment
Financial Type: Actual Obligation
Budget Source: Removal
Financial ID: 0016
Date: 11/03/2009
Amount: $337

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0075
Date: 11/03/2009
Amount: $2000

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0076
Date: 11/03/2009
Amount: $2073

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0077
Date: 11/03/2009
Amount: $337

Action Name: Removal Assessment
Financial Type: Deobligation
Budget Source: Removal
Financial ID: 0034
Date: 11/03/2009
Amount: $2000

Action Name: Removal Assessment
Financial Type: Deobligation
Budget Source: Removal
Financial ID: 0035
Date: 11/03/2009
Amount: $337

Action Name: Removal Assessment
Financial Type: Deobligation
Budget Source: Removal
Financial ID: 0036
Date: 11/03/2009
Amount: $2073

Action Name:	Removal Assessment	Financial ID:	0033
Financial Type:	Extramural Outlay (Payment)	Date:	11/03/2009
Budget Source:	Removal	Amount:	$2000
Action Name:	Removal Assessment	Financial ID:	0034
Financial Type:	Extramural Outlay (Payment)	Date:	11/03/2009
Budget Source:	Removal	Amount:	$337
Action Name:	Removal Assessment	Financial ID:	0035
Financial Type:	Extramural Outlay (Payment)	Date:	11/03/2009
Budget Source:	Removal	Amount:	$2073
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0019
Financial Type:	Extramural Deoutlay (Credit)	Date:	11/03/2009
Budget Source:	Remedial	Amount:	$2000
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0020
Financial Type:	Extramural Deoutlay (Credit)	Date:	11/03/2009
Budget Source:	Remedial	Amount:	$337
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0021
Financial Type:	Extramural Deoutlay (Credit)	Date:	11/03/2009
Budget Source:	Remedial	Amount:	$2073
Action Name:	PRP Remedial Action	Financial ID:	0033
Financial Type:	Deobligation	Date:	11/10/2009
Budget Source:	Remedial	Amount:	$21055
Action Name:	PRP Remedial Action	Financial ID:	0033
Financial Type:	Extramural Outlay (Payment)	Date:	11/10/2009
Budget Source:	Remedial	Amount:	$21055
Action Name:	PRP Remedial Action	Financial ID:	0004
Financial Type:	Commitment	Date:	11/12/2009
Budget Source:	Remedial	Amount:	$300000
Action Name:	Remedial Design	Financial ID:	0266
Financial Type:	Deobligation	Date:	11/23/2009
Budget Source:	Remedial	Amount:	$26949
Action Name:	Remedial Design	Financial ID:	0263
Financial Type:	Extramural Outlay (Payment)	Date:	11/23/2009
Budget Source:	Remedial	Amount:	$26949
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0078
Financial Type:	Deobligation	Date:	11/24/2009
Budget Source:	Remedial	Amount:	$600

Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0079
Financial Type:	Deobligation	Date:	11/24/2009
Budget Source:	Remedial	Amount:	$20544
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0056
Financial Type:	Extramural Outlay (Payment)	Date:	11/24/2009
Budget Source:	Remedial	Amount:	$600
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0057
Financial Type:	Extramural Outlay (Payment)	Date:	11/24/2009
Budget Source:	Remedial	Amount:	$20544
Action Name:	Remedial Action	Financial ID:	0031
Financial Type:	Deobligation	Date:	11/25/2009
Budget Source:	Remedial	Amount:	$4052
Action Name:	Remedial Action	Financial ID:	0031
Financial Type:	Extramural Outlay (Payment)	Date:	11/25/2009
Budget Source:	Remedial	Amount:	$4052
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0080
Financial Type:	Deobligation	Date:	12/01/2009
Budget Source:	Remedial	Amount:	$27286
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0081
Financial Type:	Deobligation	Date:	12/01/2009
Budget Source:	Remedial	Amount:	$3283
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0058
Financial Type:	Extramural Outlay (Payment)	Date:	12/01/2009
Budget Source:	Remedial	Amount:	$27286
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0059
Financial Type:	Extramural Outlay (Payment)	Date:	12/01/2009
Budget Source:	Remedial	Amount:	$3283
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0030
Financial Type:	Actual Obligation	Date:	12/02/2009
Budget Source:	Remedial	Amount:	$20544
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0031
Financial Type:	Actual Obligation	Date:	12/02/2009
Budget Source:	Remedial	Amount:	$600
Action Name:	Removal Assessment	Financial ID:	0017
Financial Type:	Actual Obligation	Date:	12/02/2009

Budget Source: Removal Amount: $20544

Action Name: Removal Assessment Financial ID: 0018
Financial Type: Actual Obligation Date: 12/02/2009
Budget Source: Removal Amount: $600

Action Name: PRP Remedial Investigation/Feasibility Study Financial ID: 0082
Financial Type: Deobligation Date: 12/02/2009
Budget Source: Remedial Amount: $20544

Action Name: PRP Remedial Investigation/Feasibility Study Financial ID: 0083
Financial Type: Deobligation Date: 12/02/2009
Budget Source: Remedial Amount: $600

Action Name: Removal Assessment Financial ID: 0037
Financial Type: Deobligation Date: 12/02/2009
Budget Source: Removal Amount: $20544

Action Name: Removal Assessment Financial ID: 0038
Financial Type: Deobligation Date: 12/02/2009
Budget Source: Removal Amount: $600

Action Name: Removal Assessment Financial ID: 0036
Financial Type: Extramural Outlay (Payment) Date: 12/02/2009
Budget Source: Removal Amount: $20544

Action Name: Removal Assessment Financial ID: 0037
Financial Type: Extramural Outlay (Payment) Date: 12/02/2009
Budget Source: Removal Amount: $600

Action Name: PRP Remedial Investigation/Feasibility Study Financial ID: 0022
Financial Type: Extramural Deoutlay (Credit) Date: 12/02/2009
Budget Source: Remedial Amount: $20544

Action Name: PRP Remedial Investigation/Feasibility Study Financial ID: 0023
Financial Type: Extramural Deoutlay (Credit) Date: 12/02/2009
Budget Source: Remedial Amount: $600

Action Name: PRP Remedial Action Financial ID: 0006
Financial Type: Decommitment Date: 12/04/2009
Budget Source: Remedial Amount: $300000

Action Name: PRP Remedial Action Financial ID: 0006
Financial Type: Actual Obligation Date: 12/04/2009
Budget Source: Remedial Amount: $299927

Action Name: PRP Remedial Design Financial ID: 0078

Financial Type: Deobligation
Budget Source: Remedial
Date: 12/08/2009
Amount: $1959

Action Name: PRP Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0034
Date: 12/08/2009
Amount: $74824

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0080
Date: 12/08/2009
Amount: $1959

Action Name: PRP Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0034
Date: 12/08/2009
Amount: $74824

Action Name: PRP Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0035
Date: 12/10/2009
Amount: $25651

Action Name: PRP Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0035
Date: 12/10/2009
Amount: $25651

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0270
Date: 12/21/2009
Amount: $25244

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0271
Date: 12/21/2009
Amount: $22196

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0272
Date: 12/21/2009
Amount: $10717

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0267
Date: 12/21/2009
Amount: $25244

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0268
Date: 12/21/2009
Amount: $22196

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0269
Date: 12/21/2009
Amount: $10717

Action Name:	Remedial Action	Financial ID:	0032
Financial Type:	Deobligation	Date:	12/22/2009
Budget Source:	Remedial	Amount:	$3039
Action Name:	Remedial Action	Financial ID:	0032
Financial Type:	Extramural Outlay (Payment)	Date:	12/22/2009
Budget Source:	Remedial	Amount:	$3039
Action Name:	Remedial Action	Financial ID:	0004
Financial Type:	Actual Obligation	Date:	12/24/2009
Budget Source:	Remedial	Amount:	$85618
Action Name:	Remedial Action	Financial ID:	0014
Financial Type:	Deobligation	Date:	12/24/2009
Budget Source:	Remedial	Amount:	$79257
Action Name:	Remedial Action	Financial ID:	0015
Financial Type:	Deobligation	Date:	12/24/2009
Budget Source:	Remedial	Amount:	$111656
Action Name:	Remedial Action	Financial ID:	0014
Financial Type:	Extramural Outlay (Payment)	Date:	12/24/2009
Budget Source:	Remedial	Amount:	$79257
Action Name:	Remedial Action	Financial ID:	0015
Financial Type:	Extramural Outlay (Payment)	Date:	12/24/2009
Budget Source:	Remedial	Amount:	$111656
Action Name:	Remedial Action	Financial ID:	0001
Financial Type:	Extramural Deoutlay (Credit)	Date:	12/24/2009
Budget Source:	Remedial	Amount:	$85618
Action Name:	Remedial Action	Financial ID:	0033
Financial Type:	Deobligation	Date:	12/29/2009
Budget Source:	Remedial	Amount:	$162
Action Name:	Remedial Action	Financial ID:	0033
Financial Type:	Extramural Outlay (Payment)	Date:	12/29/2009
Budget Source:	Remedial	Amount:	$162
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0084
Financial Type:	Deobligation	Date:	01/04/2010
Budget Source:	Remedial	Amount:	$3730
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0085
Financial Type:	Deobligation	Date:	01/04/2010
Budget Source:	Remedial	Amount:	$4144

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0060
Date: 01/04/2010
Amount: $3730

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0061
Date: 01/04/2010
Amount: $4144

Action Name: Removal Assessment
Financial Type: Actual Obligation
Budget Source: Removal
Financial ID: 0019
Date: 01/05/2010
Amount: $1

Action Name: Removal Assessment
Financial Type: Extramural Deoutlay (Credit)
Budget Source: Removal
Financial ID: 0003
Date: 01/05/2010
Amount: $1

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0032
Date: 01/07/2010
Amount: $4144

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0033
Date: 01/07/2010
Amount: $3730

Action Name: Removal Assessment
Financial Type: Actual Obligation
Budget Source: Removal
Financial ID: 0020
Date: 01/07/2010
Amount: $3730

Action Name: Removal Assessment
Financial Type: Actual Obligation
Budget Source: Removal
Financial ID: 0021
Date: 01/07/2010
Amount: $4144

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0086
Date: 01/07/2010
Amount: $12414

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0087
Date: 01/07/2010
Amount: $3730

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0088
Date: 01/07/2010
Amount: $4144

Action Name: Removal Assessment
Financial Type: Deobligation
Financial ID: 0039
Date: 01/07/2010

Budget Source: Removal
Amount: $4144

Action Name: Removal Assessment
Financial Type: Deobligation
Budget Source: Removal
Financial ID: 0040
Date: 01/07/2010
Amount: $3730

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0062
Date: 01/07/2010
Amount: $12414

Action Name: Removal Assessment
Financial Type: Extramural Outlay (Payment)
Budget Source: Removal
Financial ID: 0038
Date: 01/07/2010
Amount: $4144

Action Name: Removal Assessment
Financial Type: Extramural Outlay (Payment)
Budget Source: Removal
Financial ID: 0039
Date: 01/07/2010
Amount: $3730

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Extramural Deoutlay (Credit)
Budget Source: Remedial
Financial ID: 0024
Date: 01/07/2010
Amount: $4144

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Extramural Deoutlay (Credit)
Budget Source: Remedial
Financial ID: 0025
Date: 01/07/2010
Amount: $3730

Action Name: PRP Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0036
Date: 01/08/2010
Amount: $28496

Action Name: PRP Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0036
Date: 01/08/2010
Amount: $28496

Action Name: PRP Remedial Action
Financial Type: Commitment
Budget Source: Remedial
Financial ID: 0005
Date: 01/25/2010
Amount: $55000

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0079
Date: 01/27/2010
Amount: $2315

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0080
Date: 01/27/2010
Amount: $4016

Action Name: PRP Remedial Design
Financial ID: 0081

Financial Type: Deobligation
Budget Source: Remedial
Date: 01/27/2010
Amount: $2563

Action Name: PRP Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0037
Date: 01/27/2010
Amount: $1352121

Action Name: PRP Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0038
Date: 01/27/2010
Amount: $69086

Action Name: PRP Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0039
Date: 01/27/2010
Amount: $24912

Action Name: PRP Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0040
Date: 01/27/2010
Amount: $2638

Action Name: PRP Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0041
Date: 01/27/2010
Amount: $1634

Action Name: Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0007
Date: 01/27/2010
Amount: $1926

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0273
Date: 01/27/2010
Amount: $5150

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0274
Date: 01/27/2010
Amount: $7779

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0275
Date: 01/27/2010
Amount: $2470

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0276
Date: 01/27/2010
Amount: $1584

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0277
Date: 01/27/2010
Amount: $5317

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0081
Date: 01/27/2010
Amount: $2315

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0082
Date: 01/27/2010
Amount: $4016

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0083
Date: 01/27/2010
Amount: $2563

Action Name: PRP Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0037
Date: 01/27/2010
Amount: $1352121

Action Name: PRP Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0038
Date: 01/27/2010
Amount: $69086

Action Name: PRP Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0039
Date: 01/27/2010
Amount: $24912

Action Name: PRP Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0040
Date: 01/27/2010
Amount: $2638

Action Name: PRP Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0041
Date: 01/27/2010
Amount: $1634

Action Name: Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0007
Date: 01/27/2010
Amount: $1926

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0270
Date: 01/27/2010
Amount: $5150

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0271
Date: 01/27/2010
Amount: $7779

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0272
Date: 01/27/2010
Amount: $2470

Action Name:	Remedial Design	Financial ID:	0273
Financial Type:	Extramural Outlay (Payment)	Date:	01/27/2010
Budget Source:	Remedial	Amount:	$1584
Action Name:	Remedial Design	Financial ID:	0274
Financial Type:	Extramural Outlay (Payment)	Date:	01/27/2010
Budget Source:	Remedial	Amount:	$5317
Action Name:	Remedial Action	Financial ID:	0034
Financial Type:	Deobligation	Date:	02/03/2010
Budget Source:	Remedial	Amount:	$324
Action Name:	Remedial Action	Financial ID:	0034
Financial Type:	Extramural Outlay (Payment)	Date:	02/03/2010
Budget Source:	Remedial	Amount:	$324
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0089
Financial Type:	Deobligation	Date:	02/05/2010
Budget Source:	Remedial	Amount:	$7562
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0063
Financial Type:	Extramural Outlay (Payment)	Date:	02/05/2010
Budget Source:	Remedial	Amount:	$7562
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0034
Financial Type:	Actual Obligation	Date:	02/09/2010
Budget Source:	Remedial	Amount:	$7562
Action Name:	Removal Assessment	Financial ID:	0022
Financial Type:	Actual Obligation	Date:	02/09/2010
Budget Source:	Removal	Amount:	$7562
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0090
Financial Type:	Deobligation	Date:	02/09/2010
Budget Source:	Remedial	Amount:	$49242
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0091
Financial Type:	Deobligation	Date:	02/09/2010
Budget Source:	Remedial	Amount:	$25710
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0092
Financial Type:	Deobligation	Date:	02/09/2010
Budget Source:	Remedial	Amount:	$7562
Action Name:	Removal Assessment	Financial ID:	0041
Financial Type:	Deobligation	Date:	02/09/2010

Budget Source: Removal Amount: $7562

Action Name: PRP Remedial Investigation/Feasibility Study Financial ID: 0064
Financial Type: Extramural Outlay (Payment) Date: 02/09/2010
Budget Source: Remedial Amount: $49242

Action Name: PRP Remedial Investigation/Feasibility Study Financial ID: 0065
Financial Type: Extramural Outlay (Payment) Date: 02/09/2010
Budget Source: Remedial Amount: $25710

Action Name: Removal Assessment Financial ID: 0040
Financial Type: Extramural Outlay (Payment) Date: 02/09/2010
Budget Source: Removal Amount: $7562

Action Name: PRP Remedial Investigation/Feasibility Study Financial ID: 0026
Financial Type: Extramural Deoutlay (Credit) Date: 02/09/2010
Budget Source: Remedial Amount: $7562

Action Name: PRP Remedial Action Financial ID: 0042
Financial Type: Deobligation Date: 02/10/2010
Budget Source: Remedial Amount: $12114

Action Name: PRP Remedial Action Financial ID: 0042
Financial Type: Extramural Outlay (Payment) Date: 02/10/2010
Budget Source: Remedial Amount: $12114

Action Name: Remedial Action Financial ID: 0035
Financial Type: Deobligation Date: 02/17/2010
Budget Source: Remedial Amount: $3511

Action Name: Remedial Design Financial ID: 0278
Financial Type: Deobligation Date: 02/17/2010
Budget Source: Remedial Amount: $5077

Action Name: Remedial Action Financial ID: 0035
Financial Type: Extramural Outlay (Payment) Date: 02/17/2010
Budget Source: Remedial Amount: $3511

Action Name: Remedial Design Financial ID: 0275
Financial Type: Extramural Outlay (Payment) Date: 02/17/2010
Budget Source: Remedial Amount: $5077

Action Name: PRP Remedial Action Financial ID: 0007
Financial Type: Decommitment Date: 02/18/2010
Budget Source: Remedial Amount: $55000

Action Name: PRP Remedial Action Financial ID: 0007

Financial Type: Actual Obligation
Budget Source: Remedial
Date: 02/18/2010
Amount: $55000

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0279
Date: 02/18/2010
Amount: $12699

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0276
Date: 02/18/2010
Amount: $12699

Action Name: Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0016
Date: 02/19/2010
Amount: $17598

Action Name: Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0016
Date: 02/19/2010
Amount: $17598

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0093
Date: 03/01/2010
Amount: $48597

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0082
Date: 03/01/2010
Amount: $315384

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0004
Date: 03/01/2010
Amount: $230926

Action Name: PRP Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0043
Date: 03/01/2010
Amount: $322810

Action Name: Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0008
Date: 03/01/2010
Amount: $2765

Action Name: Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0009
Date: 03/01/2010
Amount: $1801

Action Name: Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0010
Date: 03/01/2010
Amount: $2497

Action Name:	Remedial Design	Financial ID:	0280
Financial Type:	Deobligation	Date:	03/01/2010
Budget Source:	Remedial	Amount:	$1614
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0066
Financial Type:	Extramural Outlay (Payment)	Date:	03/01/2010
Budget Source:	Remedial	Amount:	$48597
Action Name:	PRP Remedial Design	Financial ID:	0084
Financial Type:	Extramural Outlay (Payment)	Date:	03/01/2010
Budget Source:	Remedial	Amount:	$315384
Action Name:	PRP Remedial Design	Financial ID:	0004
Financial Type:	Extramural Outlay (Payment)	Date:	03/01/2010
Budget Source:	Remedial	Amount:	$230926
Action Name:	PRP Remedial Action	Financial ID:	0043
Financial Type:	Extramural Outlay (Payment)	Date:	03/01/2010
Budget Source:	Remedial	Amount:	$322810
Action Name:	Remedial Action	Financial ID:	0008
Financial Type:	Extramural Outlay (Payment)	Date:	03/01/2010
Budget Source:	Remedial	Amount:	$2765
Action Name:	Remedial Action	Financial ID:	0009
Financial Type:	Extramural Outlay (Payment)	Date:	03/01/2010
Budget Source:	Remedial	Amount:	$1801
Action Name:	Remedial Action	Financial ID:	0010
Financial Type:	Extramural Outlay (Payment)	Date:	03/01/2010
Budget Source:	Remedial	Amount:	$2497
Action Name:	Remedial Design	Financial ID:	0277
Financial Type:	Extramural Outlay (Payment)	Date:	03/01/2010
Budget Source:	Remedial	Amount:	$1614
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0094
Financial Type:	Deobligation	Date:	03/02/2010
Budget Source:	Remedial	Amount:	$1578
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0067
Financial Type:	Extramural Outlay (Payment)	Date:	03/02/2010
Budget Source:	Remedial	Amount:	$1578
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0035
Financial Type:	Actual Obligation	Date:	03/05/2010
Budget Source:	Remedial	Amount:	$1578

Action Name:	Removal Assessment	Financial ID:	0023
Financial Type:	Actual Obligation	Date:	03/05/2010
Budget Source:	Removal	Amount:	$1578
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0095
Financial Type:	Deobligation	Date:	03/05/2010
Budget Source:	Remedial	Amount:	$1578
Action Name:	Removal Assessment	Financial ID:	0042
Financial Type:	Deobligation	Date:	03/05/2010
Budget Source:	Removal	Amount:	$1578
Action Name:	Removal Assessment	Financial ID:	0041
Financial Type:	Extramural Outlay (Payment)	Date:	03/05/2010
Budget Source:	Removal	Amount:	$1578
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0027
Financial Type:	Extramural Deoutlay (Credit)	Date:	03/05/2010
Budget Source:	Remedial	Amount:	$1578
Action Name:	PRP Remedial Design	Financial ID:	0014
Financial Type:	Extramural Outlay (Payment)	Date:	03/09/2010
Budget Source:	Remedial	Amount:	$900000
Action Name:	PRP Remedial Design	Financial ID:	0015
Financial Type:	Extramural Outlay (Payment)	Date:	03/09/2010
Budget Source:	Remedial	Amount:	$900000
Action Name:	Remedial Design	Financial ID:	0293
Financial Type:	Extramural Outlay (Payment)	Date:	03/09/2010
Budget Source:	Remedial	Amount:	$25750
Action Name:	Remedial Design	Financial ID:	0294
Financial Type:	Extramural Outlay (Payment)	Date:	03/09/2010
Budget Source:	Remedial	Amount:	$2774250
Action Name:	Remedial Design	Financial ID:	0295
Financial Type:	Extramural Outlay (Payment)	Date:	03/09/2010
Budget Source:	Remedial	Amount:	$4022422
Action Name:	PRP Remedial Design	Financial ID:	0001
Financial Type:	Extramural Deoutlay (Credit)	Date:	03/09/2010
Budget Source:	Remedial	Amount:	$900000
Action Name:	PRP Remedial Design	Financial ID:	0002
Financial Type:	Extramural Deoutlay (Credit)	Date:	03/09/2010

Budget Source: Remedial Amount: $900000

Action Name: Remedial Design Financial ID: 0004
Financial Type: Extramural Deoutlay (Credit) Date: 03/09/2010
Budget Source: Remedial Amount: $25750

Action Name: Remedial Design Financial ID: 0005
Financial Type: Extramural Deoutlay (Credit) Date: 03/09/2010
Budget Source: Remedial Amount: $2774250

Action Name: Remedial Design Financial ID: 0006
Financial Type: Extramural Deoutlay (Credit) Date: 03/09/2010
Budget Source: Remedial Amount: $4022422

Action Name: PRP Remedial Action Financial ID: 0044
Financial Type: Deobligation Date: 03/12/2010
Budget Source: Remedial Amount: $12058

Action Name: PRP Remedial Action Financial ID: 0044
Financial Type: Extramural Outlay (Payment) Date: 03/12/2010
Budget Source: Remedial Amount: $12058

Action Name: Remedial Design Financial ID: 0281
Financial Type: Deobligation Date: 03/18/2010
Budget Source: Remedial Amount: $775

Action Name: Remedial Design Financial ID: 0278
Financial Type: Extramural Outlay (Payment) Date: 03/18/2010
Budget Source: Remedial Amount: $775

Action Name: PRP Remedial Action Financial ID: 0006
Financial Type: Commitment Date: 03/26/2010
Budget Source: Remedial Amount: $400000

Action Name: PRP Remedial Action Financial ID: 0007
Financial Type: Commitment Date: 03/26/2010
Budget Source: Remedial Amount: $400000

Action Name: PRP Remedial Action Financial ID: 0008
Financial Type: Decommitment Date: 03/26/2010
Budget Source: Remedial Amount: $400000

Action Name: Remedial Action Financial ID: 0011
Financial Type: Deobligation Date: 03/30/2010
Budget Source: Remedial Amount: $1882

Action Name: Remedial Action Financial ID: 0011

Financial Type: Extramural Outlay (Payment) Date: 03/30/2010
Budget Source: Remedial Amount: $1882

Action Name: Remedial Design Financial ID: 0282
Financial Type: Deobligation Date: 04/06/2010
Budget Source: Remedial Amount: $16823

Action Name: Remedial Design Financial ID: 0283
Financial Type: Deobligation Date: 04/06/2010
Budget Source: Remedial Amount: $4640

Action Name: Remedial Design Financial ID: 0279
Financial Type: Extramural Outlay (Payment) Date: 04/06/2010
Budget Source: Remedial Amount: $16823

Action Name: Remedial Design Financial ID: 0280
Financial Type: Extramural Outlay (Payment) Date: 04/06/2010
Budget Source: Remedial Amount: $4640

Action Name: PRP Remedial Action Financial ID: 0045
Financial Type: Deobligation Date: 04/08/2010
Budget Source: Remedial Amount: $2707

Action Name: PRP Remedial Action Financial ID: 0046
Financial Type: Deobligation Date: 04/08/2010
Budget Source: Remedial Amount: $44715

Action Name: PRP Remedial Action Financial ID: 0045
Financial Type: Extramural Outlay (Payment) Date: 04/08/2010
Budget Source: Remedial Amount: $2707

Action Name: PRP Remedial Action Financial ID: 0046
Financial Type: Extramural Outlay (Payment) Date: 04/08/2010
Budget Source: Remedial Amount: $44715

Action Name: PRP Remedial Action Financial ID: 0009
Financial Type: Decommitment Date: 04/13/2010
Budget Source: Remedial Amount: $399972

Action Name: PRP Remedial Action Financial ID: 0008
Financial Type: Actual Obligation Date: 04/13/2010
Budget Source: Remedial Amount: $399972

Action Name: PRP Remedial Investigation/Feasibility Study Financial ID: 0096
Financial Type: Deobligation Date: 04/26/2010
Budget Source: Remedial Amount: $37690

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0097
Date: 04/26/2010
Amount: $100867

Action Name: PRP Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0047
Date: 04/26/2010
Amount: $159834

Action Name: PRP Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0048
Date: 04/26/2010
Amount: $650227

Action Name: Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0017
Date: 04/26/2010
Amount: $24592

Action Name: Removal Assessment
Financial Type: Deobligation
Budget Source: Removal
Financial ID: 0043
Date: 04/26/2010
Amount: $1

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0068
Date: 04/26/2010
Amount: $37690

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0069
Date: 04/26/2010
Amount: $100867

Action Name: PRP Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0047
Date: 04/26/2010
Amount: $159834

Action Name: PRP Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0048
Date: 04/26/2010
Amount: $650227

Action Name: Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0017
Date: 04/26/2010
Amount: $24592

Action Name: Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0012
Date: 04/27/2010
Amount: $92147

Action Name: Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0012
Date: 04/27/2010
Amount: $92147

Action Name:	Remedial Action	Financial ID:	0036
Financial Type:	Deobligation	Date:	04/30/2010
Budget Source:	Remedial	Amount:	$705
Action Name:	Remedial Action	Financial ID:	0036
Financial Type:	Extramural Outlay (Payment)	Date:	04/30/2010
Budget Source:	Remedial	Amount:	$705
Action Name:	PRP Remedial Design	Financial ID:	0005
Financial Type:	Deobligation	Date:	05/04/2010
Budget Source:	Remedial	Amount:	$25489
Action Name:	PRP Remedial Design	Financial ID:	0005
Financial Type:	Extramural Outlay (Payment)	Date:	05/04/2010
Budget Source:	Remedial	Amount:	$25489
Action Name:	PRP Remedial Action	Financial ID:	0049
Financial Type:	Deobligation	Date:	05/11/2010
Budget Source:	Remedial	Amount:	$97019
Action Name:	PRP Remedial Action	Financial ID:	0049
Financial Type:	Extramural Outlay (Payment)	Date:	05/11/2010
Budget Source:	Remedial	Amount:	$97019
Action Name:	Remedial Design	Financial ID:	0284
Financial Type:	Deobligation	Date:	05/12/2010
Budget Source:	Remedial	Amount:	$2230
Action Name:	Remedial Design	Financial ID:	0281
Financial Type:	Extramural Outlay (Payment)	Date:	05/12/2010
Budget Source:	Remedial	Amount:	$2230
Action Name:	Remedial Action	Financial ID:	0013
Financial Type:	Deobligation	Date:	05/13/2010
Budget Source:	Remedial	Amount:	$1991
Action Name:	Remedial Action	Financial ID:	0014
Financial Type:	Deobligation	Date:	05/13/2010
Budget Source:	Remedial	Amount:	$34354
Action Name:	Remedial Action	Financial ID:	0013
Financial Type:	Extramural Outlay (Payment)	Date:	05/13/2010
Budget Source:	Remedial	Amount:	$1991
Action Name:	Remedial Action	Financial ID:	0014
Financial Type:	Extramural Outlay (Payment)	Date:	05/13/2010

Budget Source: Remedial
Amount: $34354

Action Name: Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0015
Date: 05/17/2010
Amount: $30467

Action Name: Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0015
Date: 05/17/2010
Amount: $30467

Action Name: Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0016
Date: 05/25/2010
Amount: $15095

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0285
Date: 05/25/2010
Amount: $885

Action Name: Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0016
Date: 05/25/2010
Amount: $15095

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0282
Date: 05/25/2010
Amount: $885

Action Name: Combined RI/FS
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0054
Date: 05/28/2010
Amount: $0

Action Name: Combined RI/FS
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0055
Date: 05/28/2010
Amount: $0

Action Name: Combined RI/FS
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0056
Date: 05/28/2010
Amount: $0

Action Name: Combined RI/FS
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0057
Date: 05/28/2010
Amount: $0

Action Name: Combined RI/FS
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0058
Date: 05/28/2010
Amount: $0

Action Name: Combined RI/FS
Financial ID: 0059

Financial Type: Actual Obligation
Budget Source: Remedial
Date: 05/28/2010
Amount: $0

Action Name: Combined RI/FS
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0060
Date: 05/28/2010
Amount: $0

Action Name: Combined RI/FS
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0061
Date: 05/28/2010
Amount: $0

Action Name: Combined RI/FS
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0062
Date: 05/28/2010
Amount: $0

Action Name: Combined RI/FS
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0063
Date: 05/28/2010
Amount: $0

Action Name: Combined RI/FS
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0064
Date: 05/28/2010
Amount: $0

Action Name: Combined RI/FS
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0159
Date: 05/28/2010
Amount: $38573

Action Name: Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0018
Date: 06/03/2010
Amount: $8027

Action Name: Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0018
Date: 06/03/2010
Amount: $8027

Action Name: Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0017
Date: 06/04/2010
Amount: $39066

Action Name: Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0017
Date: 06/04/2010
Amount: $39066

Action Name: Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0019
Date: 06/22/2010
Amount: $270259

Action Name:	Remedial Action	Financial ID:	0018
Financial Type:	Deobligation	Date:	06/22/2010
Budget Source:	Remedial	Amount:	$215069
Action Name:	Remedial Design	Financial ID:	0286
Financial Type:	Deobligation	Date:	06/22/2010
Budget Source:	Remedial	Amount:	$577
Action Name:	Remedial Action	Financial ID:	0019
Financial Type:	Extramural Outlay (Payment)	Date:	06/22/2010
Budget Source:	Remedial	Amount:	$270259
Action Name:	Remedial Action	Financial ID:	0018
Financial Type:	Extramural Outlay (Payment)	Date:	06/22/2010
Budget Source:	Remedial	Amount:	$215069
Action Name:	Remedial Design	Financial ID:	0283
Financial Type:	Extramural Outlay (Payment)	Date:	06/22/2010
Budget Source:	Remedial	Amount:	$577
Action Name:	PRP Remedial Action	Financial ID:	0008
Financial Type:	Commitment	Date:	06/23/2010
Budget Source:	Remedial	Amount:	$3000000
Action Name:	PRP Remedial Action	Financial ID:	0050
Financial Type:	Deobligation	Date:	06/24/2010
Budget Source:	Remedial	Amount:	$23275
Action Name:	PRP Remedial Action	Financial ID:	0050
Financial Type:	Extramural Outlay (Payment)	Date:	06/24/2010
Budget Source:	Remedial	Amount:	$23275
Action Name:	Remedial Design	Financial ID:	0022
Financial Type:	Actual Obligation	Date:	06/28/2010
Budget Source:	Remedial	Amount:	$613
Action Name:	Remedial Design	Financial ID:	0003
Financial Type:	Extramural Deoutlay (Credit)	Date:	06/28/2010
Budget Source:	Remedial	Amount:	$613
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0098
Financial Type:	Deobligation	Date:	06/29/2010
Budget Source:	Remedial	Amount:	$2798
Action Name:	Remedial Action	Financial ID:	0019
Financial Type:	Deobligation	Date:	06/29/2010
Budget Source:	Remedial	Amount:	$2908

Action Name:	Remedial Action	Financial ID:	0020
Financial Type:	Deobligation	Date:	06/29/2010
Budget Source:	Remedial	Amount:	$2200
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0070
Financial Type:	Extramural Outlay (Payment)	Date:	06/29/2010
Budget Source:	Remedial	Amount:	$2798
Action Name:	Remedial Action	Financial ID:	0019
Financial Type:	Extramural Outlay (Payment)	Date:	06/29/2010
Budget Source:	Remedial	Amount:	$2908
Action Name:	Remedial Action	Financial ID:	0020
Financial Type:	Extramural Outlay (Payment)	Date:	06/29/2010
Budget Source:	Remedial	Amount:	$2200
Action Name:	PRP Remedial Action	Financial ID:	0010
Financial Type:	Decommitment	Date:	06/30/2010
Budget Source:	Remedial	Amount:	$3000000
Action Name:	PRP Remedial Action	Financial ID:	0009
Financial Type:	Actual Obligation	Date:	06/30/2010
Budget Source:	Remedial	Amount:	$3000000
Action Name:	Remedial Action	Financial ID:	0021
Financial Type:	Deobligation	Date:	07/02/2010
Budget Source:	Remedial	Amount:	$46459
Action Name:	Remedial Action	Financial ID:	0021
Financial Type:	Extramural Outlay (Payment)	Date:	07/02/2010
Budget Source:	Remedial	Amount:	$46459
Action Name:	Remedial Action	Financial ID:	0020
Financial Type:	Deobligation	Date:	07/07/2010
Budget Source:	Remedial	Amount:	$582510
Action Name:	Remedial Action	Financial ID:	0020
Financial Type:	Extramural Outlay (Payment)	Date:	07/07/2010
Budget Source:	Remedial	Amount:	$582510
Action Name:	PRP Remedial Action	Financial ID:	0051
Financial Type:	Deobligation	Date:	07/12/2010
Budget Source:	Remedial	Amount:	$69812
Action Name:	PRP Remedial Action	Financial ID:	0051
Financial Type:	Extramural Outlay (Payment)	Date:	07/12/2010

Budget Source: Remedial Amount: $69812

Action Name: PRP Remedial Action Financial ID: 0052
Financial Type: Deobligation Date: 07/14/2010
Budget Source: Remedial Amount: $69995

Action Name: PRP Remedial Action Financial ID: 0052
Financial Type: Extramural Outlay (Payment) Date: 07/14/2010
Budget Source: Remedial Amount: $69995

Action Name: PRP Remedial Investigation/Feasibility Study Financial ID: 0099
Financial Type: Deobligation Date: 07/20/2010
Budget Source: Remedial Amount: $69768

Action Name: Remedial Action Financial ID: 0022
Financial Type: Deobligation Date: 07/20/2010
Budget Source: Remedial Amount: $4022

Action Name: Remedial Design Financial ID: 0287
Financial Type: Deobligation Date: 07/20/2010
Budget Source: Remedial Amount: $2645

Action Name: Remedial Design Financial ID: 0288
Financial Type: Deobligation Date: 07/20/2010
Budget Source: Remedial Amount: $3753

Action Name: Remedial Design Financial ID: 0289
Financial Type: Deobligation Date: 07/20/2010
Budget Source: Remedial Amount: $2225

Action Name: Remedial Design Financial ID: 0290
Financial Type: Deobligation Date: 07/20/2010
Budget Source: Remedial Amount: $1473

Action Name: PRP Remedial Investigation/Feasibility Study Financial ID: 0071
Financial Type: Extramural Outlay (Payment) Date: 07/20/2010
Budget Source: Remedial Amount: $69768

Action Name: Remedial Action Financial ID: 0022
Financial Type: Extramural Outlay (Payment) Date: 07/20/2010
Budget Source: Remedial Amount: $4022

Action Name: Remedial Design Financial ID: 0284
Financial Type: Extramural Outlay (Payment) Date: 07/20/2010
Budget Source: Remedial Amount: $2645

Action Name: Remedial Design Financial ID: 0285

Financial Type: Extramural Outlay (Payment) Date: 07/20/2010
Budget Source: Remedial Amount: $3753

Action Name: Remedial Design Financial ID: 0286
Financial Type: Extramural Outlay (Payment) Date: 07/20/2010
Budget Source: Remedial Amount: $2225

Action Name: Remedial Design Financial ID: 0287
Financial Type: Extramural Outlay (Payment) Date: 07/20/2010
Budget Source: Remedial Amount: $1473

Action Name: PRP Remedial Action Financial ID: 0011
Financial Type: Decommitment Date: 07/23/2010
Budget Source: Remedial Amount: $28

Action Name: PRP Remedial Investigation/Feasibility Study Financial ID: 0009
Financial Type: Commitment Date: 07/28/2010
Budget Source: Remedial Amount: $340000

Action Name: PRP Remedial Action Financial ID: 0053
Financial Type: Deobligation Date: 08/05/2010
Budget Source: Remedial Amount: $799196

Action Name: PRP Remedial Action Financial ID: 0054
Financial Type: Deobligation Date: 08/05/2010
Budget Source: Remedial Amount: $1094766

Action Name: PRP Remedial Action Financial ID: 0053
Financial Type: Extramural Outlay (Payment) Date: 08/05/2010
Budget Source: Remedial Amount: $799196

Action Name: PRP Remedial Action Financial ID: 0054
Financial Type: Extramural Outlay (Payment) Date: 08/05/2010
Budget Source: Remedial Amount: $1094766

Action Name: PRP Remedial Action Financial ID: 0055
Financial Type: Deobligation Date: 08/10/2010
Budget Source: Remedial Amount: $220145

Action Name: PRP Remedial Action Financial ID: 0055
Financial Type: Extramural Outlay (Payment) Date: 08/10/2010
Budget Source: Remedial Amount: $220145

Action Name: PRP Remedial Action Financial ID: 0056
Financial Type: Deobligation Date: 08/20/2010
Budget Source: Remedial Amount: $9274

Action Name: PRP Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0056
Date: 08/20/2010
Amount: $9274

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0100
Date: 08/24/2010
Amount: $107443

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0006
Date: 08/24/2010
Amount: $966

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0007
Date: 08/24/2010
Amount: $1540

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0008
Date: 08/24/2010
Amount: $6549

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0009
Date: 08/24/2010
Amount: $3738

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0010
Date: 08/24/2010
Amount: $2514

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0011
Date: 08/24/2010
Amount: $14797

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0012
Date: 08/24/2010
Amount: $12491

Action Name: PRP Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0057
Date: 08/24/2010
Amount: $946953

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0072
Date: 08/24/2010
Amount: $107443

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0006
Date: 08/24/2010
Amount: $966

Action Name:	PRP Remedial Design	Financial ID:	0007
Financial Type:	Extramural Outlay (Payment)	Date:	08/24/2010
Budget Source:	Remedial	Amount:	$1540
Action Name:	PRP Remedial Design	Financial ID:	0008
Financial Type:	Extramural Outlay (Payment)	Date:	08/24/2010
Budget Source:	Remedial	Amount:	$6549
Action Name:	PRP Remedial Design	Financial ID:	0009
Financial Type:	Extramural Outlay (Payment)	Date:	08/24/2010
Budget Source:	Remedial	Amount:	$3738
Action Name:	PRP Remedial Design	Financial ID:	0010
Financial Type:	Extramural Outlay (Payment)	Date:	08/24/2010
Budget Source:	Remedial	Amount:	$2514
Action Name:	PRP Remedial Design	Financial ID:	0011
Financial Type:	Extramural Outlay (Payment)	Date:	08/24/2010
Budget Source:	Remedial	Amount:	$14797
Action Name:	PRP Remedial Design	Financial ID:	0012
Financial Type:	Extramural Outlay (Payment)	Date:	08/24/2010
Budget Source:	Remedial	Amount:	$12491
Action Name:	PRP Remedial Action	Financial ID:	0057
Financial Type:	Extramural Outlay (Payment)	Date:	08/24/2010
Budget Source:	Remedial	Amount:	$946953
Action Name:	Remedial Design	Financial ID:	0291
Financial Type:	Deobligation	Date:	08/25/2010
Budget Source:	Remedial	Amount:	$2596
Action Name:	Remedial Design	Financial ID:	0288
Financial Type:	Extramural Outlay (Payment)	Date:	08/25/2010
Budget Source:	Remedial	Amount:	$2596
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0009
Financial Type:	Decommitment	Date:	08/31/2010
Budget Source:	Remedial	Amount:	$340000
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0036
Financial Type:	Actual Obligation	Date:	08/31/2010
Budget Source:	Remedial	Amount:	$340000
Action Name:	PRP Remedial Design	Financial ID:	0013
Financial Type:	Deobligation	Date:	08/31/2010

Budget Source: Remedial Amount: $12801

Action Name: PRP Remedial Design Financial ID: 0013
Financial Type: Extramural Outlay (Payment) Date: 08/31/2010
Budget Source: Remedial Amount: $12801

Action Name: Remedial Design Financial ID: 0292
Financial Type: Deobligation Date: 09/02/2010
Budget Source: Remedial Amount: $3302

Action Name: Remedial Design Financial ID: 0289
Financial Type: Extramural Outlay (Payment) Date: 09/02/2010
Budget Source: Remedial Amount: $3302

Action Name: PRP Remedial Action Financial ID: 0058
Financial Type: Deobligation Date: 09/10/2010
Budget Source: Remedial Amount: $49221

Action Name: PRP Remedial Action Financial ID: 0058
Financial Type: Extramural Outlay (Payment) Date: 09/10/2010
Budget Source: Remedial Amount: $49221

Action Name: PRP Remedial Investigation/Feasibility Study Financial ID: 0101
Financial Type: Deobligation Date: 09/14/2010
Budget Source: Remedial Amount: $49069

Action Name: Remedial Action Financial ID: 0023
Financial Type: Deobligation Date: 09/14/2010
Budget Source: Remedial Amount: $2171

Action Name: Remedial Design Financial ID: 0293
Financial Type: Deobligation Date: 09/14/2010
Budget Source: Remedial Amount: $3099

Action Name: PRP Remedial Investigation/Feasibility Study Financial ID: 0073
Financial Type: Extramural Outlay (Payment) Date: 09/14/2010
Budget Source: Remedial Amount: $49069

Action Name: Remedial Action Financial ID: 0023
Financial Type: Extramural Outlay (Payment) Date: 09/14/2010
Budget Source: Remedial Amount: $2171

Action Name: Remedial Design Financial ID: 0290
Financial Type: Extramural Outlay (Payment) Date: 09/14/2010
Budget Source: Remedial Amount: $3099

Action Name: Remedial Action Financial ID: 0024

Financial Type: Deobligation
Budget Source: Remedial
Date: 09/16/2010
Amount: $84484

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0294
Date: 09/16/2010
Amount: $1476

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0295
Date: 09/16/2010
Amount: $7019

Action Name: Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0024
Date: 09/16/2010
Amount: $84484

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0291
Date: 09/16/2010
Amount: $1476

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0292
Date: 09/16/2010
Amount: $7019

Action Name: Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0025
Date: 09/21/2010
Amount: $4102

Action Name: Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0025
Date: 09/21/2010
Amount: $4102

Action Name: Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0026
Date: 09/22/2010
Amount: $20860

Action Name: Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0026
Date: 09/22/2010
Amount: $20860

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0102
Date: 10/05/2010
Amount: $41338

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0074
Date: 10/05/2010
Amount: $41338

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0014
Date: 10/06/2010
Amount: $30832

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0016
Date: 10/06/2010
Amount: $30832

Action Name: PRP Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0059
Date: 10/13/2010
Amount: $61219

Action Name: PRP Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0059
Date: 10/13/2010
Amount: $61219

Action Name: Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0027
Date: 10/15/2010
Amount: $40593

Action Name: Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0027
Date: 10/15/2010
Amount: $40593

Action Name: Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0028
Date: 10/19/2010
Amount: $3886

Action Name: Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0028
Date: 10/19/2010
Amount: $3886

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0296
Date: 10/26/2010
Amount: $1271

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0296
Date: 10/26/2010
Amount: $1271

Action Name: PRP Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0060
Date: 11/12/2010
Amount: $27310

Action Name: PRP Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0060
Date: 11/12/2010
Amount: $27310

Action Name:	PRP Remedial Action	Financial ID:	0061
Financial Type:	Deobligation	Date:	11/15/2010
Budget Source:	Remedial	Amount:	$530634
Action Name:	PRP Remedial Action	Financial ID:	0062
Financial Type:	Deobligation	Date:	11/15/2010
Budget Source:	Remedial	Amount:	$442549
Action Name:	PRP Remedial Action	Financial ID:	0063
Financial Type:	Deobligation	Date:	11/15/2010
Budget Source:	Remedial	Amount:	$144006
Action Name:	PRP Remedial Action	Financial ID:	0064
Financial Type:	Deobligation	Date:	11/15/2010
Budget Source:	Remedial	Amount:	$68546
Action Name:	PRP Remedial Action	Financial ID:	0065
Financial Type:	Deobligation	Date:	11/15/2010
Budget Source:	Remedial	Amount:	$1226049
Action Name:	PRP Remedial Action	Financial ID:	0066
Financial Type:	Deobligation	Date:	11/15/2010
Budget Source:	Remedial	Amount:	$514775
Action Name:	Remedial Design	Financial ID:	0297
Financial Type:	Deobligation	Date:	11/15/2010
Budget Source:	Remedial	Amount:	$784
Action Name:	PRP Remedial Action	Financial ID:	0061
Financial Type:	Extramural Outlay (Payment)	Date:	11/15/2010
Budget Source:	Remedial	Amount:	$530634
Action Name:	PRP Remedial Action	Financial ID:	0062
Financial Type:	Extramural Outlay (Payment)	Date:	11/15/2010
Budget Source:	Remedial	Amount:	$442549
Action Name:	PRP Remedial Action	Financial ID:	0063
Financial Type:	Extramural Outlay (Payment)	Date:	11/15/2010
Budget Source:	Remedial	Amount:	$144006
Action Name:	PRP Remedial Action	Financial ID:	0064
Financial Type:	Extramural Outlay (Payment)	Date:	11/15/2010
Budget Source:	Remedial	Amount:	$68546
Action Name:	PRP Remedial Action	Financial ID:	0065
Financial Type:	Extramural Outlay (Payment)	Date:	11/15/2010

Budget Source: Remedial Amount: $1226049

Action Name: PRP Remedial Action Financial ID: 0066
Financial Type: Extramural Outlay (Payment) Date: 11/15/2010
Budget Source: Remedial Amount: $514775

Action Name: Remedial Design Financial ID: 0297
Financial Type: Extramural Outlay (Payment) Date: 11/15/2010
Budget Source: Remedial Amount: $784

Action Name: PRP Remedial Action Financial ID: 0067
Financial Type: Deobligation Date: 11/19/2010
Budget Source: Remedial Amount: $6591

Action Name: PRP Remedial Action Financial ID: 0067
Financial Type: Extramural Outlay (Payment) Date: 11/19/2010
Budget Source: Remedial Amount: $6591

Action Name: PRP Remedial Investigation/Feasibility Study Financial ID: 0103
Financial Type: Deobligation Date: 11/23/2010
Budget Source: Remedial Amount: $49949

Action Name: PRP Remedial Investigation/Feasibility Study Financial ID: 0075
Financial Type: Extramural Outlay (Payment) Date: 11/23/2010
Budget Source: Remedial Amount: $49949

Action Name: Remedial Action Financial ID: 0029
Financial Type: Deobligation Date: 11/30/2010
Budget Source: Remedial Amount: $43068

Action Name: Remedial Action Financial ID: 0029
Financial Type: Extramural Outlay (Payment) Date: 11/30/2010
Budget Source: Remedial Amount: $43068

Action Name: Remedial Action Financial ID: 0030
Financial Type: Deobligation Date: 12/07/2010
Budget Source: Remedial Amount: $29748

Action Name: Remedial Action Financial ID: 0030
Financial Type: Extramural Outlay (Payment) Date: 12/07/2010
Budget Source: Remedial Amount: $29748

Action Name: Remedial Action Financial ID: 0031
Financial Type: Deobligation Date: 12/10/2010
Budget Source: Remedial Amount: $2592

Action Name: Remedial Action Financial ID: 0031

Financial Type: Extramural Outlay (Payment) Date: 12/10/2010
Budget Source: Remedial Amount: $2592

Action Name: PRP Remedial Action Financial ID: 0068
Financial Type: Deobligation Date: 12/13/2010
Budget Source: Remedial Amount: $6327

Action Name: PRP Remedial Action Financial ID: 0069
Financial Type: Deobligation Date: 12/13/2010
Budget Source: Remedial Amount: $9197

Action Name: PRP Remedial Action Financial ID: 0068
Financial Type: Extramural Outlay (Payment) Date: 12/13/2010
Budget Source: Remedial Amount: $6327

Action Name: PRP Remedial Action Financial ID: 0069
Financial Type: Extramural Outlay (Payment) Date: 12/13/2010
Budget Source: Remedial Amount: $9197

Action Name: PRP Remedial Action Financial ID: 0009
Financial Type: Commitment Date: 12/14/2010
Budget Source: Remedial Amount: $150000

Action Name: PRP Remedial Action Financial ID: 0012
Financial Type: Decommitment Date: 12/15/2010
Budget Source: Remedial Amount: $150000

Action Name: PRP Remedial Action Financial ID: 0010
Financial Type: Actual Obligation Date: 12/15/2010
Budget Source: Remedial Amount: $150000

Action Name: PRP Remedial Investigation/Feasibility Study Financial ID: 0104
Financial Type: Deobligation Date: 12/21/2010
Budget Source: Remedial Amount: $35245

Action Name: Remedial Action Financial ID: 0021
Financial Type: Deobligation Date: 12/21/2010
Budget Source: Remedial Amount: $3280

Action Name: Remedial Action Financial ID: 0032
Financial Type: Deobligation Date: 12/21/2010
Budget Source: Remedial Amount: $2662

Action Name: PRP Remedial Investigation/Feasibility Study Financial ID: 0076
Financial Type: Extramural Outlay (Payment) Date: 12/21/2010
Budget Source: Remedial Amount: $35245

Action Name: Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0021
Date: 12/21/2010
Amount: $3280

Action Name: Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0032
Date: 12/21/2010
Amount: $2662

Action Name: PRP Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0070
Date: 12/27/2010
Amount: $14002

Action Name: PRP Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0070
Date: 12/27/2010
Amount: $14002

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0105
Date: 12/28/2010
Amount: $345

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0077
Date: 12/28/2010
Amount: $345

Action Name: PRP Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0071
Date: 01/13/2011
Amount: $15002

Action Name: PRP Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0071
Date: 01/13/2011
Amount: $15002

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0106
Date: 01/18/2011
Amount: $28678

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0107
Date: 01/18/2011
Amount: $497

Action Name: Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0033
Date: 01/18/2011
Amount: $23664

Action Name: Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0033
Date: 01/18/2011
Amount: $23664

Action Name:	PRP Remedial Action	Financial ID:	0010
Financial Type:	Commitment	Date:	01/19/2011
Budget Source:	Remedial	Amount:	$2565000
Action Name:	Remedial Design	Financial ID:	0298
Financial Type:	Deobligation	Date:	01/21/2011
Budget Source:	Remedial	Amount:	$1320
Action Name:	Remedial Design	Financial ID:	0298
Financial Type:	Extramural Outlay (Payment)	Date:	01/21/2011
Budget Source:	Remedial	Amount:	$1320
Action Name:	PRP Remedial Action	Financial ID:	0013
Financial Type:	Decommitment	Date:	01/24/2011
Budget Source:	Remedial	Amount:	$2565000
Action Name:	PRP Remedial Action	Financial ID:	0011
Financial Type:	Actual Obligation	Date:	01/24/2011
Budget Source:	Remedial	Amount:	$2565000
Action Name:	PRP Remedial Action	Financial ID:	0072
Financial Type:	Deobligation	Date:	01/24/2011
Budget Source:	Remedial	Amount:	$807213
Action Name:	PRP Remedial Action	Financial ID:	0073
Financial Type:	Deobligation	Date:	01/24/2011
Budget Source:	Remedial	Amount:	$323154
Action Name:	PRP Remedial Action	Financial ID:	0072
Financial Type:	Extramural Outlay (Payment)	Date:	01/24/2011
Budget Source:	Remedial	Amount:	$807213
Action Name:	PRP Remedial Action	Financial ID:	0073
Financial Type:	Extramural Outlay (Payment)	Date:	01/24/2011
Budget Source:	Remedial	Amount:	$323154
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0037
Financial Type:	Actual Obligation	Date:	01/27/2011
Budget Source:	Remedial	Amount:	$497
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0038
Financial Type:	Actual Obligation	Date:	01/27/2011
Budget Source:	Remedial	Amount:	$28678
Action Name:	Removal Assessment	Financial ID:	0024
Financial Type:	Actual Obligation	Date:	01/27/2011

Budget Source: Removal Amount: $27803

Action Name: Removal Assessment Financial ID: 0025
Financial Type: Actual Obligation Date: 01/27/2011
Budget Source: Removal Amount: $902

Action Name: Removal Assessment Financial ID: 0026
Financial Type: Actual Obligation Date: 01/27/2011
Budget Source: Removal Amount: $8048

Action Name: Removal Assessment Financial ID: 0027
Financial Type: Actual Obligation Date: 01/27/2011
Budget Source: Removal Amount: $374

Action Name: Removal Assessment Financial ID: 0028
Financial Type: Actual Obligation Date: 01/27/2011
Budget Source: Removal Amount: $13415

Action Name: Removal Assessment Financial ID: 0029
Financial Type: Actual Obligation Date: 01/27/2011
Budget Source: Removal Amount: $1846

Action Name: Removal Assessment Financial ID: 0044
Financial Type: Deobligation Date: 01/27/2011
Budget Source: Removal Amount: $27803

Action Name: Removal Assessment Financial ID: 0045
Financial Type: Deobligation Date: 01/27/2011
Budget Source: Removal Amount: $902

Action Name: Removal Assessment Financial ID: 0046
Financial Type: Deobligation Date: 01/27/2011
Budget Source: Removal Amount: $8048

Action Name: Removal Assessment Financial ID: 0047
Financial Type: Deobligation Date: 01/27/2011
Budget Source: Removal Amount: $374

Action Name: Removal Assessment Financial ID: 0048
Financial Type: Deobligation Date: 01/27/2011
Budget Source: Removal Amount: $13415

Action Name: Removal Assessment Financial ID: 0049
Financial Type: Deobligation Date: 01/27/2011
Budget Source: Removal Amount: $1846

Action Name: Removal Assessment Financial ID: 0042

Financial Type: Extramural Outlay (Payment) Date: 01/27/2011
Budget Source: Removal Amount: $27803

Action Name: Removal Assessment Financial ID: 0043
Financial Type: Extramural Outlay (Payment) Date: 01/27/2011
Budget Source: Removal Amount: $902

Action Name: Removal Assessment Financial ID: 0044
Financial Type: Extramural Outlay (Payment) Date: 01/27/2011
Budget Source: Removal Amount: $8048

Action Name: Removal Assessment Financial ID: 0045
Financial Type: Extramural Outlay (Payment) Date: 01/27/2011
Budget Source: Removal Amount: $374

Action Name: Removal Assessment Financial ID: 0046
Financial Type: Extramural Outlay (Payment) Date: 01/27/2011
Budget Source: Removal Amount: $13415

Action Name: Removal Assessment Financial ID: 0047
Financial Type: Extramural Outlay (Payment) Date: 01/27/2011
Budget Source: Removal Amount: $1846

Action Name: PRP Remedial Action Financial ID: 0074
Financial Type: Deobligation Date: 01/28/2011
Budget Source: Remedial Amount: $1859

Action Name: PRP Remedial Action Financial ID: 0075
Financial Type: Deobligation Date: 01/28/2011
Budget Source: Remedial Amount: $98485

Action Name: PRP Remedial Action Financial ID: 0074
Financial Type: Extramural Outlay (Payment) Date: 01/28/2011
Budget Source: Remedial Amount: $1859

Action Name: PRP Remedial Action Financial ID: 0075
Financial Type: Extramural Outlay (Payment) Date: 01/28/2011
Budget Source: Remedial Amount: $98485

Action Name: PRP Remedial Action Financial ID: 0076
Financial Type: Deobligation Date: 02/11/2011
Budget Source: Remedial Amount: $4359

Action Name: PRP Remedial Action Financial ID: 0076
Financial Type: Extramural Outlay (Payment) Date: 02/11/2011
Budget Source: Remedial Amount: $4359

Action Name:	Remedial Action	Financial ID:	0034
Financial Type:	Deobligation	Date:	02/14/2011
Budget Source:	Remedial	Amount:	$63933
Action Name:	Remedial Design	Financial ID:	0299
Financial Type:	Deobligation	Date:	02/14/2011
Budget Source:	Remedial	Amount:	$2879
Action Name:	Remedial Action	Financial ID:	0034
Financial Type:	Extramural Outlay (Payment)	Date:	02/14/2011
Budget Source:	Remedial	Amount:	$63933
Action Name:	Remedial Design	Financial ID:	0299
Financial Type:	Extramural Outlay (Payment)	Date:	02/14/2011
Budget Source:	Remedial	Amount:	$2879
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0108
Financial Type:	Deobligation	Date:	02/15/2011
Budget Source:	Remedial	Amount:	$48011
Action Name:	Remedial Action	Financial ID:	0035
Financial Type:	Deobligation	Date:	02/15/2011
Budget Source:	Remedial	Amount:	$1265
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0078
Financial Type:	Extramural Outlay (Payment)	Date:	02/15/2011
Budget Source:	Remedial	Amount:	$48011
Action Name:	Remedial Action	Financial ID:	0035
Financial Type:	Extramural Outlay (Payment)	Date:	02/15/2011
Budget Source:	Remedial	Amount:	$1265
Action Name:	Remedial Action	Financial ID:	0004
Financial Type:	Commitment	Date:	02/24/2011
Budget Source:	Remedial	Amount:	$51610
Action Name:	PRP Remedial Action	Financial ID:	0077
Financial Type:	Deobligation	Date:	02/25/2011
Budget Source:	Remedial	Amount:	$51515
Action Name:	PRP Remedial Action	Financial ID:	0077
Financial Type:	Extramural Outlay (Payment)	Date:	02/25/2011
Budget Source:	Remedial	Amount:	$51515
Action Name:	PRP Remedial Design	Financial ID:	0015
Financial Type:	Deobligation	Date:	03/02/2011
Budget Source:	Remedial	Amount:	$9470

Action Name:	PRP Remedial Design	Financial ID:	0017
Financial Type:	Extramural Outlay (Payment)	Date:	03/02/2011
Budget Source:	Remedial	Amount:	$9470
Action Name:	PRP Remedial Action	Financial ID:	0078
Financial Type:	Deobligation	Date:	03/14/2011
Budget Source:	Remedial	Amount:	$29342
Action Name:	PRP Remedial Action	Financial ID:	0079
Financial Type:	Deobligation	Date:	03/14/2011
Budget Source:	Remedial	Amount:	$1084475
Action Name:	Remedial Action	Financial ID:	0036
Financial Type:	Deobligation	Date:	03/14/2011
Budget Source:	Remedial	Amount:	$3591
Action Name:	PRP Remedial Action	Financial ID:	0078
Financial Type:	Extramural Outlay (Payment)	Date:	03/14/2011
Budget Source:	Remedial	Amount:	$29342
Action Name:	PRP Remedial Action	Financial ID:	0079
Financial Type:	Extramural Outlay (Payment)	Date:	03/14/2011
Budget Source:	Remedial	Amount:	$1084475
Action Name:	Remedial Action	Financial ID:	0036
Financial Type:	Extramural Outlay (Payment)	Date:	03/14/2011
Budget Source:	Remedial	Amount:	$3591
Action Name:	PRP Remedial Action	Financial ID:	0080
Financial Type:	Deobligation	Date:	03/15/2011
Budget Source:	Remedial	Amount:	$4368
Action Name:	Remedial Design	Financial ID:	0300
Financial Type:	Deobligation	Date:	03/15/2011
Budget Source:	Remedial	Amount:	$2134
Action Name:	PRP Remedial Action	Financial ID:	0080
Financial Type:	Extramural Outlay (Payment)	Date:	03/15/2011
Budget Source:	Remedial	Amount:	$4368
Action Name:	Remedial Design	Financial ID:	0300
Financial Type:	Extramural Outlay (Payment)	Date:	03/15/2011
Budget Source:	Remedial	Amount:	$2134
Action Name:	PRP Remedial Action	Financial ID:	0081
Financial Type:	Deobligation	Date:	03/22/2011

Budget Source: Remedial Amount: $184144

Action Name: PRP Remedial Action Financial ID: 0081
Financial Type: Extramural Outlay (Payment) Date: 03/22/2011
Budget Source: Remedial Amount: $184144

Action Name: Remedial Action Financial ID: 0037
Financial Type: Deobligation Date: 03/23/2011
Budget Source: Remedial Amount: $16490

Action Name: Remedial Action Financial ID: 0037
Financial Type: Extramural Outlay (Payment) Date: 03/23/2011
Budget Source: Remedial Amount: $16490

Action Name: PRP Remedial Investigation/Feasibility Study Financial ID: 0109
Financial Type: Deobligation Date: 04/07/2011
Budget Source: Remedial Amount: $459

Action Name: PRP Remedial Investigation/Feasibility Study Financial ID: 0110
Financial Type: Deobligation Date: 04/07/2011
Budget Source: Remedial Amount: $62711

Action Name: PRP Remedial Investigation/Feasibility Study Financial ID: 0111
Financial Type: Deobligation Date: 04/07/2011
Budget Source: Remedial Amount: $40692

Action Name: Remedial Action Financial ID: 0038
Financial Type: Deobligation Date: 04/07/2011
Budget Source: Remedial Amount: $2345

Action Name: PRP Remedial Investigation/Feasibility Study Financial ID: 0079
Financial Type: Extramural Outlay (Payment) Date: 04/07/2011
Budget Source: Remedial Amount: $459

Action Name: PRP Remedial Investigation/Feasibility Study Financial ID: 0080
Financial Type: Extramural Outlay (Payment) Date: 04/07/2011
Budget Source: Remedial Amount: $62711

Action Name: PRP Remedial Investigation/Feasibility Study Financial ID: 0081
Financial Type: Extramural Outlay (Payment) Date: 04/07/2011
Budget Source: Remedial Amount: $40692

Action Name: Remedial Action Financial ID: 0038
Financial Type: Extramural Outlay (Payment) Date: 04/07/2011
Budget Source: Remedial Amount: $2345

Action Name: PRP Remedial Action Financial ID: 0082

Financial Type: Deobligation
Budget Source: Remedial
Date: 04/08/2011
Amount: $1179

Action Name: PRP Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0082
Date: 04/08/2011
Amount: $1179

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0016
Date: 04/18/2011
Amount: $379

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0017
Date: 04/18/2011
Amount: $264

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0018
Date: 04/18/2011
Amount: $1714

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0019
Date: 04/18/2011
Amount: $9560

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0020
Date: 04/18/2011
Amount: $1012

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0021
Date: 04/18/2011
Amount: $11250

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0301
Date: 04/18/2011
Amount: $40

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0302
Date: 04/18/2011
Amount: $1073

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0303
Date: 04/18/2011
Amount: $659

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0304
Date: 04/18/2011
Amount: $604

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0305
Date: 04/18/2011
Amount: $545

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0306
Date: 04/18/2011
Amount: $388

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0307
Date: 04/18/2011
Amount: $1300

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0308
Date: 04/18/2011
Amount: $1081

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0309
Date: 04/18/2011
Amount: $21

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0310
Date: 04/18/2011
Amount: $912

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0311
Date: 04/18/2011
Amount: $2622

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0018
Date: 04/18/2011
Amount: $379

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0019
Date: 04/18/2011
Amount: $264

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0020
Date: 04/18/2011
Amount: $1714

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0021
Date: 04/18/2011
Amount: $9560

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0022
Date: 04/18/2011
Amount: $1012

Action Name:	PRP Remedial Design	Financial ID:	0023
Financial Type:	Extramural Outlay (Payment)	Date:	04/18/2011
Budget Source:	Remedial	Amount:	$11250
Action Name:	Remedial Design	Financial ID:	0301
Financial Type:	Extramural Outlay (Payment)	Date:	04/18/2011
Budget Source:	Remedial	Amount:	$40
Action Name:	Remedial Design	Financial ID:	0302
Financial Type:	Extramural Outlay (Payment)	Date:	04/18/2011
Budget Source:	Remedial	Amount:	$1073
Action Name:	Remedial Design	Financial ID:	0303
Financial Type:	Extramural Outlay (Payment)	Date:	04/18/2011
Budget Source:	Remedial	Amount:	$659
Action Name:	Remedial Design	Financial ID:	0304
Financial Type:	Extramural Outlay (Payment)	Date:	04/18/2011
Budget Source:	Remedial	Amount:	$604
Action Name:	Remedial Design	Financial ID:	0305
Financial Type:	Extramural Outlay (Payment)	Date:	04/18/2011
Budget Source:	Remedial	Amount:	$545
Action Name:	Remedial Design	Financial ID:	0306
Financial Type:	Extramural Outlay (Payment)	Date:	04/18/2011
Budget Source:	Remedial	Amount:	$388
Action Name:	Remedial Design	Financial ID:	0307
Financial Type:	Extramural Outlay (Payment)	Date:	04/18/2011
Budget Source:	Remedial	Amount:	$1300
Action Name:	Remedial Design	Financial ID:	0308
Financial Type:	Extramural Outlay (Payment)	Date:	04/18/2011
Budget Source:	Remedial	Amount:	$1081
Action Name:	Remedial Design	Financial ID:	0309
Financial Type:	Extramural Outlay (Payment)	Date:	04/18/2011
Budget Source:	Remedial	Amount:	$21
Action Name:	Remedial Design	Financial ID:	0310
Financial Type:	Extramural Outlay (Payment)	Date:	04/18/2011
Budget Source:	Remedial	Amount:	$912
Action Name:	Remedial Design	Financial ID:	0311
Financial Type:	Extramural Outlay (Payment)	Date:	04/18/2011

Budget Source: Remedial Amount: $2622

Action Name: Remedial Action Financial ID: 0005
Financial Type: Commitment Date: 04/22/2011
Budget Source: Remedial Amount: $51610

Action Name: Remedial Action Financial ID: 0004
Financial Type: Decommitment Date: 04/22/2011
Budget Source: Remedial Amount: $51610

Action Name: PRP Remedial Action Financial ID: 0001
Financial Type: Commitment Date: 04/28/2011
Budget Source: Remedial Amount: $8441359

Action Name: PRP Remedial Investigation/Feasibility Study Financial ID: 0112
Financial Type: Deobligation Date: 04/29/2011
Budget Source: Remedial Amount: $60198

Action Name: PRP Remedial Action Financial ID: 0083
Financial Type: Deobligation Date: 04/29/2011
Budget Source: Remedial Amount: $602136

Action Name: Remedial Action Financial ID: 0039
Financial Type: Deobligation Date: 04/29/2011
Budget Source: Remedial Amount: $6448

Action Name: Remedial Design Financial ID: 0312
Financial Type: Deobligation Date: 04/29/2011
Budget Source: Remedial Amount: $305

Action Name: PRP Remedial Investigation/Feasibility Study Financial ID: 0082
Financial Type: Extramural Outlay (Payment) Date: 04/29/2011
Budget Source: Remedial Amount: $60198

Action Name: PRP Remedial Action Financial ID: 0083
Financial Type: Extramural Outlay (Payment) Date: 04/29/2011
Budget Source: Remedial Amount: $602136

Action Name: Remedial Action Financial ID: 0039
Financial Type: Extramural Outlay (Payment) Date: 04/29/2011
Budget Source: Remedial Amount: $6448

Action Name: Remedial Design Financial ID: 0312
Financial Type: Extramural Outlay (Payment) Date: 04/29/2011
Budget Source: Remedial Amount: $305

Action Name: PRP Remedial Action Financial ID: 0001

Financial Type: Decommitment
Budget Source: Remedial
Date: 05/02/2011
Amount: $8441359

Action Name: PRP Remedial Action
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0001
Date: 05/02/2011
Amount: $8441359

Action Name: Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0040
Date: 05/02/2011
Amount: $53398

Action Name: Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0040
Date: 05/02/2011
Amount: $53398

Action Name: Remedial Action
Financial Type: Decommitment
Budget Source: Remedial
Financial ID: 0005
Date: 05/06/2011
Amount: $51610

Action Name: Remedial Action
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0005
Date: 05/06/2011
Amount: $51610

Action Name: PRP Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0084
Date: 05/12/2011
Amount: $283

Action Name: PRP Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0084
Date: 05/12/2011
Amount: $283

Action Name: Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0041
Date: 05/17/2011
Amount: $51610

Action Name: Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0041
Date: 05/17/2011
Amount: $51610

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0022
Date: 05/20/2011
Amount: $15487

Action Name: Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0022
Date: 05/20/2011
Amount: $16830

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0024
Date: 05/20/2011
Amount: $15487

Action Name: Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0022
Date: 05/20/2011
Amount: $16830

Action Name: Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0042
Date: 05/23/2011
Amount: $70075

Action Name: Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0042
Date: 05/23/2011
Amount: $70075

Action Name: PRP Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0085
Date: 05/24/2011
Amount: $528792

Action Name: PRP Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0085
Date: 05/24/2011
Amount: $528792

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Commitment
Budget Source: Remedial
Financial ID: 0010
Date: 06/09/2011
Amount: $250000

Action Name: PRP Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0086
Date: 06/09/2011
Amount: $1995

Action Name: PRP Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0086
Date: 06/09/2011
Amount: $1995

Action Name: Remedial Action
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0043
Date: 06/15/2011
Amount: $52079

Action Name: Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0043
Date: 06/15/2011
Amount: $52079

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Decommitment
Budget Source: Remedial
Financial ID: 0010
Date: 06/21/2011
Amount: $250000

Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0039
Financial Type:	Actual Obligation	Date:	06/21/2011
Budget Source:	Remedial	Amount:	$250000
Action Name:	Remedial Action	Financial ID:	0044
Financial Type:	Deobligation	Date:	06/21/2011
Budget Source:	Remedial	Amount:	$4265
Action Name:	Remedial Action	Financial ID:	0044
Financial Type:	Extramural Outlay (Payment)	Date:	06/21/2011
Budget Source:	Remedial	Amount:	$4265
Action Name:	PRP Remedial Action	Financial ID:	0087
Financial Type:	Deobligation	Date:	06/27/2011
Budget Source:	Remedial	Amount:	$324630
Action Name:	PRP Remedial Action	Financial ID:	0087
Financial Type:	Extramural Outlay (Payment)	Date:	06/27/2011
Budget Source:	Remedial	Amount:	$324630
Action Name:	Remedial Action	Financial ID:	0045
Financial Type:	Deobligation	Date:	07/05/2011
Budget Source:	Remedial	Amount:	$5370
Action Name:	Remedial Action	Financial ID:	0045
Financial Type:	Extramural Outlay (Payment)	Date:	07/05/2011
Budget Source:	Remedial	Amount:	$5370
Action Name:	Remedial Action	Financial ID:	0046
Financial Type:	Deobligation	Date:	07/06/2011
Budget Source:	Remedial	Amount:	$22222
Action Name:	Remedial Action	Financial ID:	0046
Financial Type:	Extramural Outlay (Payment)	Date:	07/06/2011
Budget Source:	Remedial	Amount:	$22222
Action Name:	Remedial Action	Financial ID:	0023
Financial Type:	Deobligation	Date:	07/11/2011
Budget Source:	Remedial	Amount:	$2587
Action Name:	Remedial Action	Financial ID:	0047
Financial Type:	Deobligation	Date:	07/11/2011
Budget Source:	Remedial	Amount:	$235563
Action Name:	Remedial Design	Financial ID:	0313
Financial Type:	Deobligation	Date:	07/11/2011

Budget Source: Remedial Amount: $2280

Action Name: Remedial Design Financial ID: 0313
Financial Type: Extramural Outlay (Payment) Date: 07/11/2011
Budget Source: Remedial Amount: $2280

Action Name: PRP Remedial Action Financial ID: 0088
Financial Type: Deobligation Date: 07/18/2011
Budget Source: Remedial Amount: $275823

Action Name: PRP Remedial Action Financial ID: 0089
Financial Type: Deobligation Date: 07/18/2011
Budget Source: Remedial Amount: $230684

Action Name: PRP Remedial Action Financial ID: 0088
Financial Type: Extramural Outlay (Payment) Date: 07/18/2011
Budget Source: Remedial Amount: $275823

Action Name: PRP Remedial Action Financial ID: 0089
Financial Type: Extramural Outlay (Payment) Date: 07/18/2011
Budget Source: Remedial Amount: $230684

Action Name: Remedial Design Financial ID: 0314
Financial Type: Deobligation Date: 07/22/2011
Budget Source: Remedial Amount: $25205

Action Name: Remedial Design Financial ID: 0314
Financial Type: Extramural Outlay (Payment) Date: 07/22/2011
Budget Source: Remedial Amount: $25205

Action Name: Remedial Action Financial ID: 0006
Financial Type: Commitment Date: 07/25/2011
Budget Source: Remedial Amount: $628000

Action Name: Remedial Action Financial ID: 0006
Financial Type: Decommitment Date: 07/28/2011
Budget Source: Remedial Amount: $628000

Action Name: Remedial Action Financial ID: 0006
Financial Type: Actual Obligation Date: 07/28/2011
Budget Source: Remedial Amount: $628000

Action Name: Remedial Action Financial ID: 0048
Financial Type: Deobligation Date: 08/01/2011
Budget Source: Remedial Amount: $28789

Action Name: Remedial Action Financial ID: 0047

Financial Type: Extramural Outlay (Payment) Date: 08/01/2011
Budget Source: Remedial Amount: $28789

Action Name: PRP Remedial Design Financial ID: 0003
Financial Type: Actual Obligation Date: 08/09/2011
Budget Source: Remedial Amount: $179

Action Name: PRP Remedial Design Financial ID: 0003
Financial Type: Extramural Deoutlay (Credit) Date: 08/09/2011
Budget Source: Remedial Amount: $179

Action Name: PRP Remedial Investigation/Feasibility Study Financial ID: 0113
Financial Type: Deobligation Date: 08/12/2011
Budget Source: Remedial Amount: $23886

Action Name: PRP Remedial Investigation/Feasibility Study Financial ID: 0114
Financial Type: Deobligation Date: 08/12/2011
Budget Source: Remedial Amount: $26141

Action Name: Remedial Action Financial ID: 0049
Financial Type: Deobligation Date: 08/12/2011
Budget Source: Remedial Amount: $3424

Action Name: PRP Remedial Investigation/Feasibility Study Financial ID: 0083
Financial Type: Extramural Outlay (Payment) Date: 08/12/2011
Budget Source: Remedial Amount: $23886

Action Name: PRP Remedial Investigation/Feasibility Study Financial ID: 0084
Financial Type: Extramural Outlay (Payment) Date: 08/12/2011
Budget Source: Remedial Amount: $26141

Action Name: Remedial Action Financial ID: 0048
Financial Type: Extramural Outlay (Payment) Date: 08/12/2011
Budget Source: Remedial Amount: $3424

Action Name: PRP Remedial Investigation/Feasibility Study Financial ID: 0115
Financial Type: Deobligation Date: 08/26/2011
Budget Source: Remedial Amount: $28231

Action Name: PRP Remedial Investigation/Feasibility Study Financial ID: 0116
Financial Type: Deobligation Date: 08/26/2011
Budget Source: Remedial Amount: $32783

Action Name: PRP Remedial Action Financial ID: 0090
Financial Type: Deobligation Date: 08/26/2011
Budget Source: Remedial Amount: $571524

Action Name:	Remedial Action	Financial ID:	0050
Financial Type:	Deobligation	Date:	08/26/2011
Budget Source:	Remedial	Amount:	$2468
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0085
Financial Type:	Extramural Outlay (Payment)	Date:	08/26/2011
Budget Source:	Remedial	Amount:	$28231
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0086
Financial Type:	Extramural Outlay (Payment)	Date:	08/26/2011
Budget Source:	Remedial	Amount:	$32783
Action Name:	PRP Remedial Action	Financial ID:	0090
Financial Type:	Extramural Outlay (Payment)	Date:	08/26/2011
Budget Source:	Remedial	Amount:	$571524
Action Name:	Remedial Action	Financial ID:	0049
Financial Type:	Extramural Outlay (Payment)	Date:	08/26/2011
Budget Source:	Remedial	Amount:	$2468
Action Name:	Remedial Action	Financial ID:	0051
Financial Type:	Deobligation	Date:	09/13/2011
Budget Source:	Remedial	Amount:	$24007
Action Name:	Remedial Action	Financial ID:	0050
Financial Type:	Extramural Outlay (Payment)	Date:	09/13/2011
Budget Source:	Remedial	Amount:	$24007
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0040
Financial Type:	Actual Obligation	Date:	09/21/2011
Budget Source:	Remedial	Amount:	$1010000
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0117
Financial Type:	Deobligation	Date:	09/21/2011
Budget Source:	Remedial	Amount:	$1010000
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0028
Financial Type:	Extramural Deoutlay (Credit)	Date:	09/21/2011
Budget Source:	Remedial	Amount:	$1010000
Action Name:	PRP Remedial Design	Financial ID:	0023
Financial Type:	Deobligation	Date:	09/22/2011
Budget Source:	Remedial	Amount:	$221
Action Name:	Remedial Design	Financial ID:	0315
Financial Type:	Deobligation	Date:	09/22/2011
Budget Source:	Remedial	Amount:	$2992

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0025
Date: 09/22/2011
Amount: $221

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0315
Date: 09/22/2011
Amount: $2992

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0024
Date: 09/23/2011
Amount: $379

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0025
Date: 09/23/2011
Amount: $759

Action Name: PRP Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0026
Date: 09/23/2011
Amount: $1479

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0316
Date: 09/23/2011
Amount: $300

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0317
Date: 09/23/2011
Amount: $403

Action Name: Remedial Design
Financial Type: Deobligation
Budget Source: Remedial
Financial ID: 0318
Date: 09/23/2011
Amount: $410

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0026
Date: 09/23/2011
Amount: $379

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0027
Date: 09/23/2011
Amount: $759

Action Name: PRP Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0028
Date: 09/23/2011
Amount: $1479

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Financial ID: 0316
Date: 09/23/2011

Budget Source: Remedial Amount: $300

Action Name: Remedial Design Financial ID: 0317
Financial Type: Extramural Outlay (Payment) Date: 09/23/2011
Budget Source: Remedial Amount: $403

Action Name: Remedial Design Financial ID: 0318
Financial Type: Extramural Outlay (Payment) Date: 09/23/2011
Budget Source: Remedial Amount: $410

Action Name: Remedial Action Financial ID: 0052
Financial Type: Deobligation Date: 09/26/2011
Budget Source: Remedial Amount: $35499

Action Name: Remedial Action Financial ID: 0051
Financial Type: Extramural Outlay (Payment) Date: 09/26/2011
Budget Source: Remedial Amount: $35499

Action Name: PRP Remedial Investigation/Feasibility Study Financial ID: 0118
Financial Type: Deobligation Date: 09/27/2011
Budget Source: Remedial Amount: $60656

Action Name: PRP Remedial Investigation/Feasibility Study Financial ID: 0087
Financial Type: Extramural Outlay (Payment) Date: 09/27/2011
Budget Source: Remedial Amount: $60656

Action Name: PRP Remedial Design Financial ID: 0027
Financial Type: Deobligation Date: 09/28/2011
Budget Source: Remedial Amount: $10434

Action Name: PRP Remedial Design Financial ID: 0029
Financial Type: Extramural Outlay (Payment) Date: 09/28/2011
Budget Source: Remedial Amount: $10434

Action Name: PRP Remedial Investigation/Feasibility Study Financial ID: 0042
Financial Type: Actual Obligation Date: 10/26/2011
Budget Source: Remedial Amount: $28386

Action Name: PRP Remedial Investigation/Feasibility Study Financial ID: 0046
Financial Type: Actual Obligation Date: 10/26/2011
Budget Source: Remedial Amount: $17479

Action Name: PRP Remedial Action Financial ID: 0012
Financial Type: Actual Obligation Date: 10/26/2011
Budget Source: Remedial Amount: $366655

Action Name: PRP Remedial Action Financial ID: 0013

Financial Type: Actual Obligation
Budget Source: Remedial
Date: 10/26/2011
Amount: $169641

Action Name: Remedial Action
Financial Type: Actual Obligation
Budget Source: Remedial
Financial ID: 0008
Date: 10/26/2011
Amount: $1018

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0088
Date: 10/26/2011
Amount: $17479

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0089
Date: 10/26/2011
Amount: $28386

Action Name: PRP Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0091
Date: 10/26/2011
Amount: $169641

Action Name: PRP Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0092
Date: 10/26/2011
Amount: $366655

Action Name: Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0054
Date: 10/26/2011
Amount: $1018

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0090
Date: 10/29/2011
Amount: $28386

Action Name: PRP Remedial Investigation/Feasibility Study
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0091
Date: 10/29/2011
Amount: $17479

Action Name: PRP Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0093
Date: 10/29/2011
Amount: $169641

Action Name: PRP Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0094
Date: 10/29/2011
Amount: $366655

Action Name: Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0052
Date: 10/29/2011
Amount: $1018

Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0029
Financial Type:	Extramural Deoutlay (Credit)	Date:	10/29/2011
Budget Source:	Remedial	Amount:	$28386
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0030
Financial Type:	Extramural Deoutlay (Credit)	Date:	10/29/2011
Budget Source:	Remedial	Amount:	$17479
Action Name:	PRP Remedial Action	Financial ID:	0001
Financial Type:	Extramural Deoutlay (Credit)	Date:	10/29/2011
Budget Source:	Remedial	Amount:	$169641
Action Name:	PRP Remedial Action	Financial ID:	0002
Financial Type:	Extramural Deoutlay (Credit)	Date:	10/29/2011
Budget Source:	Remedial	Amount:	$366655
Action Name:	Remedial Action	Financial ID:	0003
Financial Type:	Extramural Deoutlay (Credit)	Date:	10/29/2011
Budget Source:	Remedial	Amount:	$1018
Action Name:	Remedial Action	Financial ID:	0007
Financial Type:	Actual Obligation	Date:	11/07/2011
Budget Source:	Remedial	Amount:	$3424
Action Name:	Remedial Action	Financial ID:	0055
Financial Type:	Extramural Outlay (Payment)	Date:	11/07/2011
Budget Source:	Remedial	Amount:	$3424
Action Name:	Remedial Action	Financial ID:	0053
Financial Type:	Extramural Outlay (Payment)	Date:	11/11/2011
Budget Source:	Remedial	Amount:	$3424
Action Name:	Remedial Action	Financial ID:	0002
Financial Type:	Extramural Deoutlay (Credit)	Date:	11/11/2011
Budget Source:	Remedial	Amount:	$3424
Action Name:	Remedial Action	Financial ID:	0007
Financial Type:	Commitment	Date:	11/16/2011
Budget Source:	Remedial	Amount:	$634933
Action Name:	Remedial Action	Financial ID:	0001
Financial Type:	Open Commitment	Date:	11/16/2011
Budget Source:	Remedial	Amount:	$1269866
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0041
Financial Type:	Actual Obligation	Date:	11/16/2011
Budget Source:	Remedial	Amount:	$497

Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0043
Financial Type:	Actual Obligation	Date:	11/16/2011
Budget Source:	Remedial	Amount:	$28678
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0044
Financial Type:	Actual Obligation	Date:	11/16/2011
Budget Source:	Remedial	Amount:	$28678
Action Name:	PRP Remedial Investigation/Feasibility Study	Financial ID:	0045
Financial Type:	Actual Obligation	Date:	11/16/2011
Budget Source:	Remedial	Amount:	$497
Action Name:	Remedial Action	Financial ID:	0008
Financial Type:	Commitment	Date:	11/18/2011
Budget Source:	Remedial	Amount:	$634933
Action Name:	Remedial Action	Financial ID:	0009
Financial Type:	Actual Obligation	Date:	11/18/2011
Budget Source:	Remedial	Amount:	$634933
Action Name:	Remedial Action	Financial ID:	0010
Financial Type:	Actual Obligation	Date:	11/22/2011
Budget Source:	Remedial	Amount:	$650
Action Name:	Remedial Action	Financial ID:	0011
Financial Type:	Actual Obligation	Date:	11/22/2011
Budget Source:	Remedial	Amount:	$45402
Action Name:	Remedial Design	Financial ID:	0023
Financial Type:	Actual Obligation	Date:	11/22/2011
Budget Source:	Remedial	Amount:	$2011
Action Name:	Remedial Action	Financial ID:	0056
Financial Type:	Extramural Outlay (Payment)	Date:	11/22/2011
Budget Source:	Remedial	Amount:	$650
Action Name:	Remedial Action	Financial ID:	0057
Financial Type:	Extramural Outlay (Payment)	Date:	11/22/2011
Budget Source:	Remedial	Amount:	$45402
Action Name:	Remedial Design	Financial ID:	0319
Financial Type:	Extramural Outlay (Payment)	Date:	11/22/2011
Budget Source:	Remedial	Amount:	$2011
Action Name:	Remedial Action	Financial ID:	0058
Financial Type:	Extramural Outlay (Payment)	Date:	11/26/2011

Budget Source: Remedial
Amount: $45402

Action Name: Remedial Action
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0059
Date: 11/26/2011
Amount: $650

Action Name: Remedial Design
Financial Type: Extramural Outlay (Payment)
Budget Source: Remedial
Financial ID: 0320
Date: 11/26/2011
Amount: $2011

Action Name: Remedial Action
Financial Type: Extramural Deoutlay (Credit)
Budget Source: Remedial
Financial ID: 0004
Date: 11/26/2011
Amount: $650

Action Name: Remedial Action
Financial Type: Extramural Deoutlay (Credit)
Budget Source: Remedial
Financial ID: 0005
Date: 11/26/2011
Amount: $45402

Action Name: Remedial Design
Financial Type: Extramural Deoutlay (Credit)
Budget Source: Remedial
Financial ID: 0007
Date: 11/26/2011
Amount: $2011

APPENDIX D
LOCAL RECORDS

Form—190-1920 Certificate of Occupancy 8A-2045-20 B

BUREAU OF BUILDINGS

BOROUGH OF MANHATTAN, CITY OF NEW YORK

CERTIFICATE OF OCCUPANCY No. 1921

THIS CERTIFIES that the building located on Block 1969 Lot 5 ✓

known as 487-97 A. 129 St. & 486-96 A. 130 St.
156' front.

conforms substantially to the approved plans and specifications of Alt. Application No. 2797 19 20
and to all the requirements of the BUILDING CODE AND BUILDING ZONE RESOLUTION of the City of New York

for a non-fireproof, 1 story Garage.

and that the several floors may sustain the live loads, accommodate the number of persons, and be occupied as follows:

FLOORS	Live Load per Square Foot in POUNDS	Number and Classification Persons on each Floor	OCCUPANCY
1st Floor	---	10	Garage.

Spranchez
4/20/21

This certificate is issued to Third Ave. Railroad Co.

owners of the aforesaid building, address 2694 Third Ave., N.Y.City.

in accordance with the provisions of Section 5, Article 1, Chapter 5 of the Code of Ordinances of the City of New York, and Chapter 503, Section 411-a of the Greater New York Charter.

DATED April 20, 1921.

Superintendent of Buildings.

Form 39-1[illegible]-78146 [illegible] 114

DEPARTMENT OF HOUSING AND BUILDINGS

BOROUGH OF MANHATTAN, CITY OF NEW YORK

No. [illegible]

Date January 6, 1949

CERTIFICATE OF OCCUPANCY

(Standard form adopted by the Board of Standards and Appeals and issued pursuant to Section 646 of the New York Charter, and Sections C.26-181.0 to C26-187.0 inclusive Administrative Code 2.1.3.1. to 2.1.3.7. Building Code.)

This certificate supersedes C. O. No. 3034-

To the owner or owners of the building or premises:

THIS CERTIFIES that the new—altered—existing—building—premises located at

495 West 129th street, 476-496 West 130th st. Block 1969 Lot 5

------, conforms substantially to the approved plans and specifications, and to the requirements of the building code and all other laws and ordinances, and of the rules and regulations of the Board of Standards and Appeals, applicable to a building of its class and kind at the time the permit was issued; and

CERTIFIES FURTHER that, any provisions of Section 646F of the New York Charter have been complied with as certified by a report of the Fire Commissioner to the Borough Superintendent.

New Alt. No.— 1296-1948 Construction classification— Class 3 Nonfireproof

Occupancy classification— Commercial . Height 1 stories, 30 feet.

Date of completion— January 5, 1949 . Located in Business & unrestricted Use District.

B Area 1½ Height Zone at time of issuance of permit

This certificate is issued subject to the limitations hereinafter specified and to the following resolutions of the Board of Standards and Appeals: (Calendar numbers to be inserted here)

PERMISSIBLE USE AND OCCUPANCY

STORY	LIVE LOADS Lbs. per Sq. Ft.	PERSONS ACCOMMODATED MALE	FEMALE	TOTAL	USE
Cellar	on ground				Boiler room
1st story	on ground 120	25	--	25	Warehouse
					Sprinkler approved by Fire Department November 30, 1948

Borough Superintendent.

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NYC Department of Buildings

Application Details

JUMP TO: Doc 1 ▼ Go

Premises: 497 WEST 129 STREET MANHATTAN
BIN: 1059608 Block: 1969 Lot: 5

Job No: 104326793
Document: 01 OF 2
Job Type: A2 - ALTERATION TYPE 2

Document Overview | Items Required | Virtual Job Folder | All Permits | Schedule B
Fees Paid | Forms Received | All Comments | Plumbing Inspections
Crane Information | Plan Examination | Print Letter of Completion
After Hours Variance Permits

This job is not subject to the Department's Development Challenge Process. For any issues, please contact the relevant borough office.

---------- * PROFESSIONALLY CERTIFIED * ----------

Last Action: SIGNED OFF 02/18/2011 (X)

Application approved on: 01/09/2006

Pre-Filed: 01/09/2006 **Building Type:** Other **Estimated Total Cost:** $35,000.00
Date Filed: 01/09/2006 **Electronically Filed:** Yes PC-FILED
Fee Structure: STANDARD
Review is requested under Building Code: Prior-to-1968

Job Description Comments

1 Location Information (Filed At)

House No(s): 487 **Street Name:** WEST 129 STREET
Borough: Manhattan **Block:** 1969 **Lot:** 5 **BIN:** 1059608 **CB No:** 109
Work on Floor(s): 001,ROF **Apt/Condo No(s):** **Zip Code:** 10027

2 Applicant of Record Information

Name: Thomas H O'Hara
Business Name: H. Thomas O'Hara Architect, PLLC **Business Phone:** 212-695-3117
Business Address: 135 West 36th Street, 12th Floor New York NY 10018 **Business Fax:**
E-Mail: **Mobile Telephone:**
License Number: 025215

Applicant Type: ☐ P.E. ☒ R.A ☐ Sign Hanger ☐ Other

Directive 14 Applicant
Not Applicable
Previous Applicant of Record
Not Applicable

3 Filing Representative

Name: Kelly/Jennifer Morris/Kapp
Business Name: Code,LLC. **Business Phone:** 212-766-8100
Business Address: 40 Worth Street, 1221 New York NY 10013 **Business Fax:**

E-Mail: **Mobile Telephone:**

Registration Number:

4 Filing Status

Click Here to View

5 Job Types

- ☐ **Alteration Type 1**
  - ☐ Change in Exits/Egress
  - ☐ Change in Number of Stories
  - ☐ Change in Number of Dwelling Units
  - ☐ Change in Room Count / Dwelling Units
  - ☐ Change in Occupancy / Use
  - ☐ Change inconsistent with current Cert. of Occup.
- ☐ **Alteration Type 1, OT "No Work"**
- ☐ **New Building**
- ☒ **Alteration Type 2**
- ☐ **Alteration Type 3**
- ☐ **Sign**
- ☐ **Full Demolition**
- ☐ **Subdivision: Improved**
- ☐ **Subdivision: Condo**

Directive 14 acceptance requested? ☐ Yes ☒ No

6 Work Types

☐ **BL - Boiler**	☐ **FA - Fire Alarm**	☐ **FB - Fuel Burning**	☐ **FS - Fuel Storage**
☐ **FP - Fire Suppression**	☐ **MH - Mechanical**	☐ **PL - Plumbing**	☐ **SD - Standpipe**
☐ **SP - Sprinkler**	☒ **EQ - Construction Equipment**	☐ **CC - Curb Cut**	

☒ **OT -** GEN.CONSTRUCTN.

7 Plans/Construction Documents Submitted

Plans Page Count: Not Provided

8 Additional Information

Enlargement proposed?

☒ No ☐ Yes ☐ Horizontal ☐ Vertical

9 Additional Considerations, Limitations or Restrictions

Yes	No		
☐	☐	**Structural peer review required per BC §1627**	**Peer Reviewer License No.(P.E.):**
☐	☒	**Filed to Comply with Local Law**	**Local Law No./Year:**
☐	☒	**Other, Specify:**	
☐	☐	**Restrictive Declaration / Easement**	
☐	☐	**Zoning Exhibit Record (I,II,III,etc)**	
☐	☒	**Landmark**	
☐	☐	**Filed to Address Violation(s)**	
☐	☐	**Legalization**	
☐	☐	**"Little E" Hazmat Site**	
☐	☐	**Unmapped Street**	
☐	☒	**Adult Establishment**	
☐	☐	**Compensated Development (Inclusionary Housing)**	
☐	☐	**Low Income Housing (Inclusionary Housing)**	
☐	☒	**Single Room Occupancy (SRO) Multiple Dwelling**	
☐	☐	**Filing includes Lot Merger / Reapportionment (If Yes,17)**	
☐	☐	**Includes permanent removal of standpipe, sprinkler or fire suppression related systems**	
☐	☐	**Work includes partial demolition as defined in AC §28-101.5**	
☒	☐	**Structural Stability affected by proposed work**	
☐	☐	**Work includes lighting fixture and/or controls, installation or replacement. [§ECC 404 and 505]**	
☐	☒	**Site Safety Job / Project**	

Yes	No	
☐	☐	**Included in LMCCC**
☐	☒	**Infill Zoning**
☐	☒	**Loft Board**
☐	☒	**Quality Housing**

BSA Calendar No.(s):

CPC Calendar No.(s):

10 NYCECC Compliance ***New York City Energy Conservation Code*** **(Applicant Statement)**

Not Provided

11 Job Description

Installation of wall to divide building structure and remove a portion of the existing building. Architectural work. Plumbing, mechanical, sprinkler and standpipe to be filed under a separate application. No change of use or occupancy.

Related BIS Job Numbers:

Primary application Job Number:

12 Zoning Characteristics

District(s): C1-4 - LOCAL RETAIL DISTRICT M1-1 - LIGHT MANUFACTURING DISTRICT (HIGH PERFORMANCE) R7-2 - GENERAL RESIDENCE DISTRICT

Overlay(s):

Special District(s):

Map No.: 006a **Street legal width (ft.):** **Street status:** ☒ Public ☐ Private

Zoning lot includes the following tax lots: Not Provided

13 Building Characteristics

		2008 Code Designations?
Occupancy Classification: Existing:	COM - COMMERCIAL BUILDINGS - OLD CODE	☐ Yes ☒ No
Proposed:		☐ Yes ☐ No
Construction Classification: Existing:	3: NON-FIREPROOF STRUCTURES	☐ Yes ☒ No
Proposed:	3: NON-FIREPROOF STRUCTURES	☐ Yes ☒ No
Multiple Dwelling Classification: Existing:		
Proposed:		
Building Height (ft.): Existing:		
Proposed:	30	
Building Stories: Existing:		
Proposed:	1	
Dwelling Units: Existing:		
Proposed:		

Mixed use building? ☐ Yes ☐ No

14 Fill

☐ Not Applicable ☐ Off-Site ☐ On-Site ☐ Under 300 cubic yards

15 Construction Equipment

☐ Chute ☐ Sidewalk Shed **Construction Material:** Wood

☒ Fence **Size:** linear ft. **BSA/MEA Approval No.:**

☐ Supported Scaffold ☐ Other

16 Curb Cut Description

Not Applicable

17 Tax Lot Characteristics

Not Provided

18 Fire Protection Equipment

Not Applicable

19 Open Spaces

20 Site Characteristics

Yes	No		Yes	No	
☐	☐	Tidal / Fresh Water Wetlands	☒	☐	Fire District
☐	☐	Urban Renewal	☐	☐	Flood Hazard Area

21 Demolition Details

Not Applicable

22 Asbestos Abatement Compliance

☐ **The scope of work requires related asbestos abatement as defined in the regulations of the NYC Department of Environmental Protection (DEP).**

☐ **The scope of work does not require related asbestos abatement as defined in the regulations of the NYC DEP.**

☐ **The scope of work is exempt from the asbestos requirement as defined in the regulations promulgated by the NYC DEP (15 RCNY 1-23(b)).**

23 Signs

Not Applicable

24 Comments

Comments for Document 01

I hereby state that I have exercised a professional standard of care in certifying that the filed application is complete and in accordance with applicable laws, including the rules of the Department of Buildings, as of this date. I am aware the Commissioner will rely upon the truth and
accuracy of this statement. I have notified the owner that this
application has been professionally certified. If an audit or other exam discloses non-compliance, I agree to notify the owner of the remedial
measures that must be taken to meet legal requirements. I further realize that any misrepresentation or falsification of facts made knowingly or negligently by me, my agents or employees, or by others with my knowledge, will render me liable for legal and disciplinary action by the Department of Buildings and other appropriate authorities, including termination of participation in the professional certification procedures at the
Department of Buildings.

25 Applicant's Statements and Signatures (See paper form or check Forms Received)

Yes	No	
☐	☐	**For New Building and Alteration 1 applications filed under the 2008 NYC Building Code only: does this building qualify for high-rise designation?**
☐	☐	**Directive 14 applications only: I certify that the construction documents submitted and all construction documents related to this application do not require a new or amended Certificate of Occupancy as there is no change in use, exits, or occupancy.**

26 Owner's Information

Name: Michael Faust

Relationship to Owner:

Business Name: West 129 Realty LLC **Business Phone:** 212-477-3057

Business Address: 161 Suffolk Street New York NY 10022 **Business Fax:**

E-Mail: **Owner Type:** PARTNERSHIP

Non Profit: ☐ Yes ☒ No

Yes	No	
☐	☐	**Owner's Certification Regarding Occupied Housing (Remain Occupied)**
☐	☒	**Owner's Certification Regarding Occupied Housing (Rent Control / Stabilization)**
☐	☒	**Owner DHCR Notification**
☐	☐	**Owner's Certification for Adult Establishment**
☐	☐	**Owner's Certification for Directive 14 (if applicable)**

If you have any questions please review these Frequently Asked Questions, the Glossary, or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.

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NYC Department of Buildings

Application Details

Premises: 497 WEST 129 STREET MANHATTAN
BIN: 1059608 **Block:** 1969 **Lot:** 5

Job No: 120503614
Document: 01 OF 1
Job Type: A2 - ALTERATION TYPE 2

Document Overview | Items Required | Virtual Job Folder | All Permits | Schedule B
Fees Paid | Forms Received | All Comments | Plumbing Inspections
Crane Information | Plan Examination | Print Letter of Completion
After Hours Variance Permits

This job is not subject to the Department's Development Challenge Process. For any issues, please contact the relevant borough office.

---------- * PROFESSIONALLY CERTIFIED * ----------

Last Action: SIGNED OFF 02/18/2011 (X)

Application approved on: 10/15/2010

Pre-Filed: 10/15/2010 **Building Type:** Other **Estimated Total Cost:** $24,000.00
Date Filed: 10/15/2010 **Electronically Filed:** Yes
Fee Structure: STANDARD
Review is requested under Building Code: Prior-to-1968

Job Description Comments

1 Location Information (Filed At)

House No(s): 497 **Street Name:** WEST 129 ST
Borough: Manhattan **Block:** 1969 **Lot:** 5 **BIN:** 1059608 **CB No:** 109
Work on Floor(s): 001 **Apt/Condo No(s):** **Zip Code:** 10027

2 Applicant of Record Information

Name: CHRIS ANASTOS
Business Name: ANASTOS ENGINEERING ASSOCIATES **Business Phone:** 212-714-0993
Business Address: 240 WEST 35 STREET NY NY 10001 **Business Fax:** 212-714-0997
E-Mail: **Mobile Telephone:**
License Number: 052369
Applicant Type: ☒ P.E. ☐ R.A ☐ Sign Hanger ☐ Other

Directive 14 Applicant

Name: CHRIS ANASTOS
Business Name: ANASTOS ENGINEERING ASSOCIATES **Business Phone:** 212-714-0993
Business Address: 240 WEST 35 STREET NY NY 10001 **Business Fax:**
E-Mail: **Mobile Telephone:**
Applicant Type: PE **License Number:** 052369

Previous Applicant of Record

Not Applicable

3 Filing Representative

Name: ORLI/LUCY/ELDR ESH/CRES/BOD
Business Name: ORLI ESHKAR ARCH SVS LLC **Business Phone:** 212-370-9791

Business Address: 60 42 ST 447 NY NY 10165 **Business Fax:** 212-370-4276

E-Mail: ORLIESHKAR@HOTMAIL.COM **Mobile Telephone:**

Registration Number: A11059

4 Filing Status

Click Here to View

5 Job Types

☐ **Alteration Type 1** ☐ **New Building**

- ☐ Change in Exits/Egress
- ☐ Change in Number of Stories ☒ **Alteration Type 2** ☐ **Full Demolition**
- ☐ Change in Number of Dwelling Units ☐ **Alteration Type 3** ☐ **Subdivision: Improved**
- ☐ Change in Room Count / Dwelling Units ☐ **Sign** ☐ **Subdivision: Condo**
- ☐ Change in Occupancy / Use
- ☐ Change inconsistent with current Cert. of Occup.

☐ **Alteration Type 1, OT "No Work"** **Directive 14 acceptance requested?** ☒ Yes ☐ No

6 Work Types

☐ **BL - Boiler** ☐ **FA - Fire Alarm** ☐ **FB - Fuel Burning** ☐ **FS - Fuel Storage**

☐ **FP - Fire Suppression** ☐ **MH - Mechanical** ☐ **PL - Plumbing** ☐ **SD - Standpipe**

☐ **SP - Sprinkler** ☐ **EQ - Construction Equipment** ☐ **CC - Curb Cut**

☒ **OT -** GEN. CONSTR

7 Plans/Construction Documents Submitted

Plans Page Count: 2

8 Additional Information

Enlargement proposed?

☒ No ☐ Yes ☐ Horizontal ☐ Vertical

9 Additional Considerations, Limitations or Restrictions

Yes	No		
☐	☒	**Structural peer review required per BC §1627**	**Peer Reviewer License No.(P.E.):**
☐	☒	**Filed to Comply with Local Law**	**Local Law No./Year:**
☐	☒	**Other, Specify:**	
☐	☒	**Restrictive Declaration / Easement**	
☐	☒	**Zoning Exhibit Record (I,II,III,etc)**	
☐	☒	**Landmark**	
☐	☒	**Filed to Address Violation(s)**	
☐	☒	**Legalization**	
☐	☒	**"Little E" Hazmat Site**	
☐	☒	**Unmapped Street**	
☐	☒	**Adult Establishment**	
☐	☒	**Compensated Development (Inclusionary Housing)**	
☐	☒	**Low Income Housing (Inclusionary Housing)**	
☐	☒	**Single Room Occupancy (SRO) Multiple Dwelling**	
☐	☒	**Filing includes Lot Merger / Reapportionment (If Yes,17)**	
☐	☒	**Includes permanent removal of standpipe, sprinkler or fire suppression related systems**	
☐	☒	**Work includes partial demolition as defined in AC §28-101.5**	
☐	☒	**Structural Stability affected by proposed work**	
☐	☐	**Work includes lighting fixture and/or controls, installation or replacement. [§ECC 404 and 505]**	
☐	☒	**Site Safety Job / Project**	

Yes	No		
☐	☒	**Included in LMCCC**	
☐	☒	**Infill Zoning**	
☐	☒	**Loft Board**	
☐	☒	**Quality Housing**	

BSA Calendar No.(s):

CPC Calendar No.(s):

10 NYCECC Compliance ***New York City Energy Conservation Code*** **(Applicant Statement)**

☒ **To the best of my knowledge, belief and professional judgment, this application is in compliance with the NYCECC.**

☐

Energy analysis is on another job number:

Yes No

☐ ☐ **This application is, or is part of, a project that utilizes trade-offs among different major systems**

☐ ☐ **This application utilizes trade-offs within a single major system**

☐ **To the best of my knowledge, belief and professional judgment, all work under this application is exempt from the NYCECC in accordance with one of the following:**

☐ **The work is an alteration of State or National historic building.**

☐ **The scope of work is entirely in a low-energy building and is limited to the building envelope.**

☐ **The scope of work does not affect the energy use of the building.**

☐ **This is a post-approval amendment and exempt under a prior edition of the energy code.**

11 Job Description

INCREASE HEIGHT OF DEMISING WALL FROM 29' TO 30' TO EXTEND TO ABOVE LOWER ROOF. CONNECT DEMISING WALL TO LOWER ROOF. REMOVE CLERESTORY WINDOWS WHERE SHOWN. REMOVAL OF UPPER ROOF AND TRUSS TO BE FILED UNDER SEPARATE APPLICATION. EXTERIOR WATERPROOFING AS NECESSARY.

Related BIS Job Numbers:

Primary application Job Number:

12 Zoning Characteristics

District(s): R7A - GENERAL RESIDENCE DISTRICT

Overlay(s):

Special District(s):

Map No.: 6a **Street legal width (ft.):** **Street status:** ☒ Public ☐ Private

Zoning lot includes the following tax lots: Not Provided

13 Building Characteristics

		2008 Code Designations?
Occupancy Classification: Existing:	COM - COMMERCIAL BUILDINGS - OLD CODE	☐ Yes ☒ No
Proposed:	COM - COMMERCIAL BUILDINGS - OLD CODE	☐ Yes ☒ No
Construction Classification: Existing:	3: NON-FIREPROOF STRUCTURES	☐ Yes ☒ No
Proposed:	3: NON-FIREPROOF STRUCTURES	☐ Yes ☒ No
Multiple Dwelling Classification: Existing:		
Proposed:		
Building Height (ft.): Existing:	30	
Proposed:	30	
Building Stories: Existing:	1	
Proposed:	1	
Dwelling Units: Existing:		
Proposed:		

Mixed use building? ☐ **Yes** ☒ **No**

14 Fill

☒ **Not Applicable** ☐ **Off-Site** ☐ **On-Site** ☐ **Under 300 cubic yards**

15 Construction Equipment

Not Applicable

16 Curb Cut Description

Not Applicable

17 Tax Lot Characteristics

Not Provided

18 Fire Protection Equipment

Not Applicable

19 Open Spaces

20 Site Characteristics

Yes	No		Yes	No	
☐	☒	Tidal / Fresh Water Wetlands	☒	☐	Fire District
☐	☒	Urban Renewal	☐	☒	Flood Hazard Area

21 Demolition Details

Not Applicable

22 Asbestos Abatement Compliance

- ☐ **The scope of work requires related asbestos abatement as defined in the regulations of the NYC Department of Environmental Protection (DEP).**
- ☒ **The scope of work does not require related asbestos abatement as defined in the regulations of the NYC DEP.**
- ☐ **The scope of work is exempt from the asbestos requirement as defined in the regulations promulgated by the NYC DEP (15 RCNY 1-23(b)).**

23 Signs

Not Applicable

24 Comments

Comments for Document 01

"I HEREBY STATE THAT I HAVE EXERCISED A PROFESSIONAL STANDARD OF CARE IN CERTIFYING THAT THE FILED APPLICATION IS COMPLETE AND IN ACCORDANCE WITH APPLICABLE LAWS, INCLUDING THE RULES OF THE DEPARTMENT OF BUILDINGS, AS OF THIS DATE. I AM AWARE THE COMMISSIONER WILL RELY UPON THE TRUTH AND ACCURACY OF THIS STATEMENT. I HAVE NOTIFIED THE OWNER THAT THIS APPLICATION HAS BEEN PROFESSIONALLY CERTIFIED. IF AN AUDIT OR OTHER EXAM DISCLOSES NON-COMPLIANCE, I AGREE TO NOTIFY THE OWNER OF THE REMEDIAL MEASURES THAT MUST BE TAKEN TO MEET LEGAL REQUIREMENTS. I FURTHER REALIZE THAT ANY MISREPRESENTATION OR FALSIFICATION OF FACTS MADE KNOWINGLY OR NEGLIGENTLY BY ME, MY AGENTS OR EMPLOYEES, OR BY OTHERS WITH MY KNOWLEDGE, WILL RENDER ME LIABLE FOR LEGAL AND DISCIPLINARY ACTION BY THE DEPARTMENT OF BUILDINGS AND OTHER APPROPRIATE AUTHORITIES, INCLUDING TERMINATION OF PARTICIPATION IN THE PROFESSIONAL CERTIFICATION PROCEDURES AT THE DEPARTMENT OF BUILDINGS."

25 Applicant's Statements and Signatures (See paper form or check Forms Received)

Yes	No	
☐	☐	**For New Building and Alteration 1 applications filed under the 2008 NYC Building Code only: does this building qualify for high-rise designation?**
Y	☐	**Directive 14 applications only: I certify that the construction documents submitted and all construction documents related to this application do not require a new or amended Certificate of Occupancy as there is no change in use, exits, or occupancy.**

26 Owner's Information

Name: JAMES NAPLES
Relationship to Owner: EXEC DIRECTOR
Business Name: METROPOLITAN OPERA ASSOCIATION **Business Phone:** 212-799-3100
Business Address: 30 LINCOLN CENTER PLAZA NY NY 10023 **Business Fax:**
E-Mail: **Owner Type:** PARTNERSHIP
Non Profit: ☒ Yes ☐ No

Yes	No	
☐	N	**Owner's Certification Regarding Occupied Housing (Remain Occupied)**
☐	N	**Owner's Certification Regarding Occupied Housing (Rent Control / Stabilization)**
☐	☐	**Owner DHCR Notification**
☐	N	**Owner's Certification for Adult Establishment**
Y	☐	**Owner's Certification for Directive 14 (if applicable)**

Metes and Bounds

To view metes and bounds, see the Plot Diagram (form PD-1). A scanned image may be available here.

If you have any questions please review these Frequently Asked Questions, the Glossary, or call the 311 Citizen Service

Dobday

The City of New York

DEPARTMENT OF ENVIRONMENTAL PROTECTION
59-17 Junction Boulevard
Flushing, New York 11373

Emily Lloyd
Commissioner

Tel. (718) 595-6565
Fax (718) 595-3525
elloyd@dep.nyc.gov

Angela Licata
Deputy Commissioner

Bureau of Environmental Planning & Analysis

Tel. (718) 595-4398
Fax: (718) 595-4479
alicata@dep.nyc.gov

July 31, 2008

Robert Dobruskin
Director, Environmental Assessment and Review
New York City Department of City Planning
22 Reade Street, Room 4E
New York, NY 10007

DEPT OF CITY PLANNING
RECEIVED
2008 AUG -6 PM 3:00
ENVIRONMENTAL REVIEW DIV.

Re: West 129th Street Rezoning
Block 1969, Lots 1 - 6, 12, 19, 65, 66, 68, 78 - 81 & 104
07DCP076M/ 08DEPTECH069M

Dear Mr. Dobruskin:

The New York City Department of Environmental Protection Bureau of Environmental Planning and Analysis (DEP) has reviewed the May 2008 Remedial Action Plan (RAP) and site-specific Construction Health and Safety Plan (CHASP) prepared by AKRF for the above referenced project site. It is our understanding that the applicant is seeking to rezone Block 1969 from the existing manufacturing M1-1 and R7-2 zones to a R7A zone. The C1-4 overlay along Amsterdam Avenue would remain. The rezoning would permit development at a floor area ratio of 4.0 and would facilitate construction of a 9-story residential building with approximately 130 units and 63 accessory parking spaces on Lots 5 and 6. The project site is located in Manhattan Community District 10.

The RAP and CHASP are acceptable as long as the following comments and recommendations are incorporated into a final/revised RAP and CHASP.

- Clean fill text, page 10 of the RAP - Two (2) feet of certified clean fill/top soil must be imported from an approved facility/source and graded across all landscaped/grass covered areas of the site not capped with concrete/asphalt. The certified clean fill/top soil must be segregated at the source/facility, have qualified environmental personnel collect representative samples at a frequency of one (1) sample for every 250 cubic yards, analyze the samples for Target Compound List (TCL) volatile organic compounds, semi-volatile organic compounds, pesticides/PCBs and Target Analyte List (TAL) metals by a New York State Department of Health Environmental Laboratories Approval Program-certified laboratory, compare to New York State Department of Environmental Conservation Technical and Administrative Guidance Memorandum 4046 Recommended Soil Clean-up Objectives, and receive DEP written approval to use the clean fill/top soil. Upon receipt of DEPs written approval, the clean fill/top soil may be transported to the site for grading. The clean fill/top soil should not be comprised of any construction and demolition debris. A highly visible demarcation barrier

NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DEP
www.nyc.gov/dep
DIAL 311 Government Information and Services for NYC

(i.e., orange plastic construction fence or equivalent) must be installed below the 2 foot certified clean fill/top soil cap;

- The vapor barrier must be 15-mil in thickness (not 10-mil as proposed). A specific vapor barrier manufacturer, type, sample, and chemical resistance information fact sheet(s) for the identified on-site contaminants must be included in the RAP;

- Upon completion of all DEP requested remedial requirements, a P.E.-certified Remedial Closure Report should be submitted to DEP. This report should demonstrate that all remedial activities have been properly implemented. At a minimum, the report should include all transportation manifests, soil disposal/recycling certificates, proof of importing and grading certified clean fill/top soil for all landscaped areas as well as all pre-approved soil analytical testing results for the imported fill/top soil, proof of vapor barrier installation beneath all slabs (including photographs), etc;

- The EAS should describe the remedial measures necessary to avoid significant adverse hazardous materials impacts consistent with the RAP and CHASP;

- Due to the identified site conditions and required remedial measures, a Restrictive Declaration that would be binding on the property's successors and assigns is necessary to prevent future exposure to either construction workers or future occupants. The Restrictive Declaration must be designed to restrict the manner in which the property may be developed or redeveloped, by requiring that additional testing or remediation measures, if required, serve as a condition precedent to any change of use or sub-surface excavation conducted as part of any future development or redevelopment of the property. The Restrictive Declaration should be drafted for review and approval by DEP prior to being executed and recorded.

Please include DEP tracking number 08DEPTECH069M on all future correspondence and submittals related to this project. If you have any questions, please contact me at (718) 595-4473.

Sincerely,

Terrell Estesen
Director, Office of City Project Review

cc: J. Wuthenow
D. Cole
T. Estesen
D. Doobay – DCP

NYC DEPARTMENT OF FINANCE
OFFICE OF THE CITY REGISTER

This page is part of the instrument. The City Register will rely on the information provided by you on this page for purposes of indexing this instrument. The information on this page will control for indexing purposes in the event of any conflict with the rest of the document.

2008042101443001002EADF3

RECORDING AND ENDORSEMENT COVER PAGE **PAGE 1 OF 20**

Document ID: 2008042101443001 Document Date: 04-21-2008 Preparation Date: 04-21-2008
Document Type: SUNDRY AGREEMENT
Document Page Count: 18

PRESENTER:	**RETURN TO:**
JEREMIAH H. CANDREVA KRAMER LEVIN NAFTALIS & FRANKEL LLP 1177 AVENUE OF THE AMERICAS NEW YORK, NY 10036 212-715-9100 jcandreva@kramerlevin.com	JEREMIAH H. CANDREVA KRAMER LEVIN NAFTALIS & FRANKEL LLP 1177 AVENUE OF THE AMERICAS NEW YORK, NY 10036 212-715-9100 jcandreva@kramerlevin.com

PROPERTY DATA

Borough	Block	Lot	Unit	Address
MANHATTAN	1969	6	Entire Lot	487 WEST 129 STREET

Property Type: NON-RESIDENTIAL VACANT LAND

CROSS REFERENCE DATA

CRFN_____ *or* Document ID_____ *or* _____ Year____ Reel ___ Page____ *or* File Number_____

PARTIES

PARTY 1:
WEST 129TH STREET REALTY I, LLC
161 SUFFOLK STREET
NEW YORK, NY 10002

x Additional Parties Listed on Continuation Page

FEES AND TAXES

Mortgage		
Mortgage Amount:	$	0.00
Taxable Mortgage Amount:	$	0.00
Exemption:		
TAXES: County (Basic):	$	0.00
City (Additional):	$	0.00
Spec (Additional):	$	0.00
TASF:	$	0.00
MTA:	$	0.00
NYCTA:	$	0.00
Additional MRT:	$	0.00
TOTAL:	$	0.00
Recording Fee:	$	127.00
Affidavit Fee:	$	0.00

Filing Fee: $ 0.00
NYC Real Property Transfer Tax: $ 0.00
NYS Real Estate Transfer Tax: $ 0.00

RECORDED OR FILED IN THE OFFICE OF THE CITY REGISTER OF THE CITY OF NEW YORK
Recorded/Filed 04-23-2008 11:48
City Register File No.(CRFN): **2008000162921**

City Register Official Signature

NYC DEPARTMENT OF FINANCE
OFFICE OF THE CITY REGISTER

2008042101443001002CAF73

RECORDING AND ENDORSEMENT COVER PAGE (CONTINUATION) **PAGE 2 OF 20**

Document ID: 2008042101443001 Document Date: 04-21-2008 Preparation Date: 04-21-2008
Document Type: SUNDRY AGREEMENT

PARTIES
PARTY 1:
WEST 129TH STREET REALTY II, LLC
161 SUFFOLK STREET
NEW YORK, NY 10002

DECLARATION

This DECLARATION made as of the 21st day of April, 2008, by West 129th Street Realty I, LLC having an office located at 161 Suffolk Street, New York, NY 10002 and West 129th Street Realty II, LLC having an office located at 161 Suffolk Street, New York, NY 10002 (hereinafter referred to collectively as the "Declarants");

WITNESSETH

WHEREAS, the Declarants are the fee owner of certain real property located in the County of New York, City and State of New York, designated for real property tax purposes as Lot 6 of Tax Block 1969 commonly known by the street address as 487 West 129th Street (the "Subject Property") and is more particularly described in Exhibit A, annexed hereto and made part hereof; and

WHEREAS, Lawyers Title Insurance Corporation has issued a Certification of Parties in Interest, annexed hereto as Exhibit B and made a part hereof, that as of the 17th, day of March, 2008, the Declarants, herein after also referred to as the ("Party(ies)-in-Interest"), are the only Party(ies)-in-Interest (as defined in subdivision (d) of the definition of "zoning lot" set forth in Section 12-10 of the Zoning Resolution of the City of New York) in the Subject Property; and

WHEREAS, all Parties-in-Interest to the Subject Property have executed this Declaration; and

WHEREAS, Declarants have proposed to rezone the Subject Property from M1-1 to R7A and has submitted an application numbered 080039ZMM (the "Application") for review by the New York City Department of City Planning (the "DCP") under the Uniform Land Use Review Procedure (the "ULURP") as set forth in the New York City Charter, sections 197-c, 197-d, 200 and 201 and the procedures set forth in the paragraph immediately following; and

WHEREAS, an environmental assessment of the Subject Property pursuant to the State Environmental Quality Review Act (the "SEQRA") and the City Environmental Quality Review (the "CEQR") is under review in connection with the Application (CEQR # 07DCP076M) and, pursuant to the SEQRA and CEQR, the Department of Environmental Protection (the "DEP") has reviewed the environmental assessment, including the historic land use of the Subject Property; and

WHEREAS, the results of such review as documented in DEP's April 16, 2008 attached hereto as Exhibit C and made a part hereof, indicate the potential presence of hazardous materials; and

WHEREAS, the Declarants desire to identify the existence of any potential hazardous materials and remediate any such hazardous materials found in connection with the development or redevelopment of the Subject Property and has agreed to submit a hazardous materials sampling protocol prepared by a qualified consultant and including a health and safety plan, (as approved

by DEP the "Sampling Protocol"), which shall be submitted for the approval of DEP and to test and identify any potential hazardous materials pursuant to the approved Sampling Protocol and, if such hazardous materials are found, to submit a hazardous materials remediation plan, including a health and safety plan, (as approved by DEP the "Remediation Plan") and upon the approval of the Remediation Plan by DEP, the Declarants shall provide for the remediation of such hazardous materials; and

WHEREAS, the Declarants agree to implement the Sampling Protocol and all hazardous material remediation required by the Remediation Plan, if any, and desires to restrict the manner in which the Subject Property may be developed or redeveloped by having the implementation of the Sampling Protocol and Remediation Plan, if any, performed to the satisfaction of DEP, as evidenced by a writing as set forth herein, be a condition precedent to any change of use or soil disturbance for any such development or redevelopment; and

WHEREAS, the Declarants intend this Declaration to be binding upon all successors and assigns; and

WHEREAS, the Declarants intend this Declaration to benefit all land owners and tenants including the City of New York ("the City") without consenting to the enforcement of this Declaration by any party or entity other than the City.

NOW, THEREFORE, the Declarants hereby declare and agree that the Subject Property shall be held, sold, transferred, and conveyed, subject to the restrictions and obligations which are for the purpose of protecting the value and desirability of the Subject Property and which shall run with the land, binding the successors and assigns of the Declarants so long as they have any right, title or interest in the Subject Property or any part thereof:

1. (a) Declarants covenant and agree that no application for grading, excavation, foundation, alteration, building or other permit respecting the Subject Property which permits soil disturbance shall be submitted to or accepted from the Department of Buildings (the "DOB") by the Declarants until DEP has issued to DOB, as applicable, either a Notice of No Objection as set forth in Paragraph 2(a), a Notice to Proceed as set forth in Paragraph 2(b), a Notice of Satisfaction as set forth in Paragraph 2(c) or a Final Notice of Satisfaction as set forth in Paragraph 2(d). Declarants shall submit a copy of the Notice of No Objection, Notice to Proceed, Notice of Satisfaction or Final Notice of Satisfaction to the DOB at the time of filing of any application set forth in this Paragraph 1(a).

(b) Declarants further covenant and agree that no application for a temporary or permanent Certificate of Occupancy that reflects a change in use group respecting the Subject Property shall be submitted to or accepted from DOB by the Declarants until DEP has issued to DOB, as applicable, either a Notice of No Objection as set forth in Paragraph 2(a), a Notice of Satisfaction as set forth in Paragraph 2(c) or a Final Notice of Satisfaction as set forth in Paragraph 2(d). Declarants shall submit a copy of the Notice of No Objection, Notice of

Satisfaction or Final Notice of Satisfaction to the DOB at the time of filing of any application set forth in this Paragraph 1(b).

2. (a) Notice of No Objection - DEP shall issue a Notice of No Objection after the Declarants have completed the work set forth in the DEP approved Sampling Protocol and DEP has determined in writing that the results of such sampling demonstrate that no hazardous materials remediation is required for the proposed project.

(b) Notice to Proceed - DEP shall issue a Notice to Proceed after it determines that: (i) the Remediation Plan has been approved by DEP and (ii) the permit(s) respecting the Subject Property that permit grading, excavation, foundation, alteration, building or other permit respecting the Subject Property which permits soil disturbance or construction of the superstructure are necessary to further the implementation of the DEP approved Remediation Plan.

(c) Notice of Satisfaction - DEP shall issue a Notice of Satisfaction after the Remediation Plan has been prepared and accepted by DEP and DEP has determined in writing that the Remediation Plan has been completed to the satisfaction of DEP.

(d) Final Notice of Satisfaction - DEP shall issue a Final Notice of Satisfaction after the Remediation Plan has been prepared and accepted by DEP and DEP has set forth in writing, that the Remediation Plan has been completed to the satisfaction of DEP and all potential hazardous materials have been removed or remediated and no further hazardous remediation is required on the Subject Property as determined by DEP.

3. Declarants represent and warrant with respect to the Subject Property, that no restrictions of record, nor any present or presently existing estate or interest in the Subject Property nor any lien, encumbrance, obligation, covenant of any kind preclude, presently or potentially, the imposition of the obligations and agreements of this Declaration.

4. Declarants acknowledge that the City is an interested party to this Declaration and consents to the enforcement of this Declaration solely by the City, administratively or at law or at equity, of the obligations, restrictions and agreements pursuant to this Declaration.

5. The provisions of this Declaration shall inure to the benefit of and be binding upon the respective successors and assigns of the Declarants, and references to the Declarants shall be deemed to include such successors and assigns as well as successors to their interest in the Subject Property. References in this Declaration to agencies or instrumentalities of the City shall be deemed to include agencies or instrumentalities succeeding to the jurisdiction thereof.

6. Declarants shall be liable in the performance of any term, provision, or covenant in this Declaration, subject to the following provisions:

The City and any other party relying on this Declaration will look solely to the fee estate interest of the Declarants in the Subject Property for the collection of any money judgment recovered against Declarants, and no other property of the Declarants shall be subject to levy, execution, or other enforcement procedure for the satisfaction of the remedies of the City or any other person or entity with respect to this Declaration. The Declarants, including its officers, managers and members, shall have no personal liability under this Declaration.

7. The obligations, restrictions and agreements herein shall be binding on the Declarants or other parties in interest only for the period during which the Declarants and any such Party-in-Interest holds an interest in the Subject Property; provided, however, that the obligations, restrictions and agreements contained in this Declaration may not be enforced against the holder of any mortgage unless and until such holder succeeds to the fee interest of the Declarants by way of foreclosure or deed in lieu of foreclosure.

8. Declarants shall indemnify the City, its respective officers, employees and agents from all claims, actions, or judgments for loss, damage or injury, including death or property damage of whatsoever kind or nature, arising from Declarants' obligations under this Declaration, including without limitation, the negligence or carelessness of the Declarants, its agents, servants or employees in undertaking such obligations; provided, however, that should such a claim be made or action brought, Declarants shall have the right to defend such claim or action with attorneys reasonably acceptable to the City and no such claim or action shall be settled without the written consent of the City.

9. If Declarants are found by a court of competent jurisdiction to have been in default in the performance of its obligations under this Declaration, and such finding is upheld on a final appeal by a court of competent jurisdiction or by other proceeding or the time for further review of such finding or appeal has lapsed, Declarants shall indemnify and hold harmless the City from and against all reasonable legal and administrative expenses arising out of or in connection with the enforcement of Declarants' obligations under this Declaration as well as any reasonable legal and administrative expenses arising out of or in connection with the enforcement of any judgment obtained against the Declarants, including but not limited to the cost of undertaking the Remediation Plan, if any.

10. Declarants shall cause every individual or entity that between the date hereof and the date of recordation of this Declaration, becomes a Party-in-Interest (as defined in subdivision (c) of the definition of "zoning lot" set forth in Section 12-10 of the Zoning Resolution of the City of New York) to all or a portion of the Subject Property to waive its right to execute this Declaration and subordinate its interest in the Subject Property to this Declaration. Any mortgage or other lien encumbering the Subject Property in effect after the recording date of this Declaration shall be subject and subordinate hereto as provided herein. Such waivers and subordination shall be attached to this Declaration as Exhibits and recorded in the Office of the County or City Register.

11. This Declaration and the provisions hereof shall become effective as of the date of this Declaration. Within five (5) business days of the date hereof, Declarants shall submit this Declaration for recording or shall cause this Declaration to be submitted for recording in the Office of the County or City Register, where it will be indexed against the Subject Property. Declarants shall promptly deliver to the DEP and the Department of City Planning proof of recording in the form of an affidavit of recording attaching the filing receipt and a copy of the Declaration as submitted for recording. Declarants shall also provide a certified copy of this Declaration as recorded to DEP and DCP as soon as a certified copy is available.

12. This Declaration may be amended or modified by Declarants only with the approval of DEP or the agency succeeding to its jurisdiction and no other approval or consent shall be required from any other public body, private person or legal entity of any kind. A statement signed by the Deputy Commissioner of the Bureau of Environmental Planning and Assessment of DEP, or such person as authorized by the Deputy Commissioner, certifying approval of an amendment or modification of this Declaration shall be annexed to any instrument embodying such amendment or modification.

13. Any submittals necessary under this Declaration from Declarants to DEP shall be addressed to the Deputy Commissioner of the Bureau of Environmental Planning and Assessment of DEP, or such person as authorized by the Deputy Commissioner. As of the date of this Declaration DEP's address is:

New York City Department of Environmental Protection
59-17 Junction Blvd
Flushing, New York 11373

14. Declarants expressly acknowledge that this Declaration is an essential element of the SEQRA review conducted in connection with the Application and as such the filing and recordation of this Declaration may be a precondition to the determination of significance pursuant to the SEQRA Regulations, Title 6 New York Code of Rules and Regulations ("NYCRR") Part 617.7.

15. Declarants acknowledge that the satisfaction of the obligations set forth in this Declaration does not relieve Declarants of any additional requirements imposed by Federal, State or Local laws.

16. This Declaration shall be governed by and construed in accordance with the laws of the State of New York.

17. Wherever in this Declaration, the certification, consent, approval, notice or other action of Declarants, DEP or the City is required or permitted, such certification, consent, approval, notice or other action shall not be unreasonably withheld or delayed.

18. In the event that any provision of this Declaration is deemed, decreed, adjudged or determined to be invalid or unlawful by a court of competent jurisdiction, such provision shall be severable and the remainder of this Declaration shall continue to be in full force and effect.

19. This Declaration and its obligations and agreements are in contemplation of Declarants receiving approvals or modified approvals of the Application. In the event that the Declarants withdraws the Application before a final determination or the Application is not approved, the obligations and agreements pursuant to this Declaration shall have no force and effect and this Declaration shall be cancelled.

20. Notice of Cancellation - Declarants may request that DEP issue a Notice of Cancellation upon the occurrence of the following steps: (i) Declarants has withdrawn the Application in writing before a final determination on the Application; (ii) the Application was not approved by the DCP; or (iii) DEP has issued a Final Notice of Satisfaction indicating that all potential hazardous materials have been removed or remediated and no further hazardous remediation is required on the Subject Property. Upon such request, DEP shall issue a Notice of Cancellation after it has determined to DEP's own satisfaction that the above referenced steps, as applicable, have occurred. Upon receipt of a Notice of Cancellation from DEP, Declarants shall cause such Notice to be recorded in the same manner as the Declaration herein, thus rendering this Restrictive Declaration null and void. Declarants shall promptly deliver to DEP and the DCP a certified copy of such Notice of Cancellation as recorded.

IN WITNESS WHEREOF, Declarants have executed this Declaration as of the day and year first above written.

West 129th Street Realty II LLC

By: _____
Jonathan Faust, Title Member

West 129th Street Realty II LLC

By: _____
Michael Faust, Title Member

CERTIFICATE OF ACKNOWLEDGMENT

STATE OF NEW YORK)
) .ss.: New York
COUNTY OF NEW YORK)

On the 21 day of April in the year 2008 before me, the undersigned, personally appeared Mr. Jonathan Faust, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name(s) ~~is~~ (are) subscribed to the within instrument and acknowledged to me that ~~he/she~~/they executed the same in ~~his/her~~/their capacity (ies), and that by ~~his/her~~/their signature on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

Hardat Ramdath
Notary Public

SEAL

HARDAT RAMDATH
Notary Public, State of New York
NO. 01RA6142605
Qualified in Kings County
Commission Expires March 20, 2010

CERTIFICATE OF ACKNOWLEDGMENT

STATE OF NEW YORK)
) ss.: New York
COUNTY OF NEW YORK)

On the 21 day of April in the year 2008 before me, the undersigned, personally appeared Mr. Michael Faust, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name(s) ~~is~~ (are) subscribed to the within instrument and acknowledged to me that ~~he/she~~/they executed the same in ~~his/her~~/their capacity (ies), and that by ~~his/her~~/their signature on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

Hardat Ramdath
Notary Public

HARDAT RAMDATH
Notary Public, State of New York
NO. 01RA6142605
Qualified in Kings County
Commission Expires March 20, 2010

SEAL

EXHIBIT A

LEGAL DESCRIPTION OF SUBJECT PROPERTY
Tax Block 1969, Lot 6

ALL that certain plot, piece or parcel of land, situate, lying and being in the Borough of Manhattan, City, County and State of New York, bounded and described as follows:

BEGINNING at a point on the southerly side of West 130th Street (as now open and in use, 60 feet wide) distant 154 feet 7 inches easterly from the corner formed by the intersection of the said southerly side of West 130th Street and the easterly side of Amsterdam Avenue (as now open and in use, 100 feet wide);

RUNNING THENCE easterly along the southerly side of West 130th Street, 95 feet 5 inches;

THENCE southerly along a line at right angles with the southerly side of West 130th Street, a distance of 198 feet 8-3/4 inches to an angle point (survey) 198 feet 7 inches (deed)

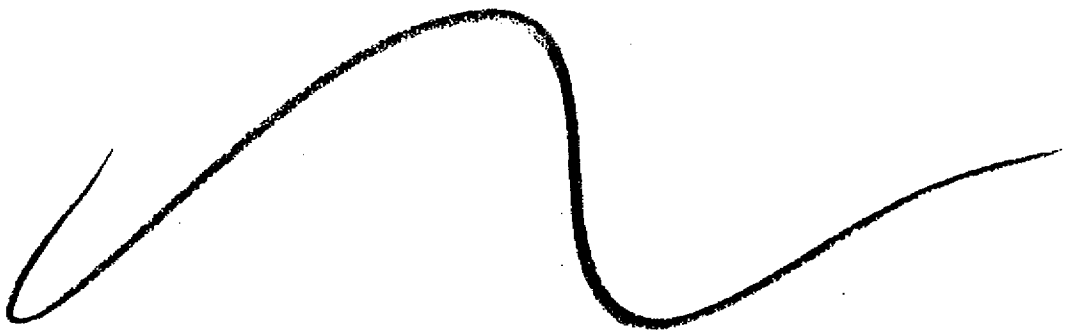
(Tax Map shows 198 feet 8 inches to the northerly side of West 129th Street)

THENCE southeasterly along a line forming an interior angle of 242 degrees 03 minutes 10 seconds with the last mentioned line 2 feet 4-1/4 inches to a point on the northerly side of West 129th Street;

THENCE westerly along the northerly side of West 129th Street a distance of 97 feet 6 inches;

THENCE northerly along a line at right angles with the northerly side of West 129th Street, 199 feet 10 inches to the point or place of BEGINNING.

EXHIBIT B



Title No. LT080176

EXHIBIT "II"

CERTIFICATION PURSUANT TO ZONING LOT SUBDIVISION D OF SECTION 12 - 10 OF THE ZONING RESOLUTION OF DECEMBER 15, 1961 OF THE CITY OF NEW YORK - AS AMENDED EFFECTIVE AUGUST 18, 1977

LAWYERS TITLE INSURANCE CORPORATION, a Title Insurance Company licensed to do business in the State of New York and having its principal office at 140 East 45th Street, New York, New York, hereby certifies that as to the land hereafter described being a tract of land, either unsubdivided or consisting of two or more lots of record, contiguous for a minimum of ten linear feet, located within a single block, that all the parties in interest constituting a party as defined in Section 12 - 10, subdivision (d) of the Zoning Resolution of the City of New York, effective December 15, 1961, as amended, are the following:

NAME/ADDRESS	NATURE OF INTEREST	DECLARATION OR WAIVER
1. West 129th Street Realty I, LLC 161 Suffolk Street New York, NY 10002	Fee owner (Tenant-in-common)	
2. West 129th Street Realty II, LLC 161 Suffolk Street New York, NY 10002	Fee owner (Tenant-in-common)	

The subject tract of land with respect to which the foregoing parties are the parties in interest as aforesaid, is known as Tax Lot Number 6 in Block 1969 on the Tax Map of the City of New York, New York County and more particularly described as follows:

SEE ATTACHED SCHEDULE "A"

SCHEDULE A

ALL that certain plot, piece or parcel of land, situate, lying and being in the Borough of Manhattan, City, County and State of New York, bounded and described as follows:

BEGINNING at a point on the southerly side of West 130th Street (as now open and in use, 60 feet wide) distant 154 feet 7 inches easterly from the corner formed by the intersection of the said southerly side of West 130th Street and the easterly side of Amsterdam Avenue (as now open and in use, 100 feet wide);

RUNNING THENCE easterly along the southerly side of West 130th Street, 95 feet 5 inches;

THENCE southerly along a line at right angles with the southerly side of West 130th Street, a distance of 198 feet 8-3/4 inches to an angle point (survey) 198 feet 7 inches (deed)

(Tax Map shows 198 feet 8 inches to the northerly side of West 129th Street)

THENCE southeasterly along a line forming an interior angle of 242 degrees 03 minutes 10 seconds with the last mentioned line 2 feet 4-1/4 inches to a point on the northerly side of West 129th Street;

THENCE westerly along the northerly side of West 129th Street a distance of 97 feet 6 inches;

THENCE northerly along a line at right angles with the northerly side of West 129th Street, 199 feet 10 inches to the point or place of BEGINNING.

The said premises are known as and by street address 487 West 129 Street, New York, NY as shown on the following DIAGRAM:

SEE ATTACHED DIAGRAM

CERTIFIED 3/17/2008 to:

Jeremiah H. Candreva, Esq.
Kramer Levin Naftalis & Frankel LLP
1177 Avenue of the Americas
jcandreva@kramerlevin.com
New York, NY 10036

NOTE: A Zoning Lot may or may not coincide with a lot as shown on the Official Tax Map of the City of New York, or on any recorded subdivision plot or deed. A Zoning Lot may be subdivided into two or more Zoning Lots provided all the resulting Zoning Lots and all the buildings thereon shall comply with the applicable provisions of the Zoning Lot Resolution.

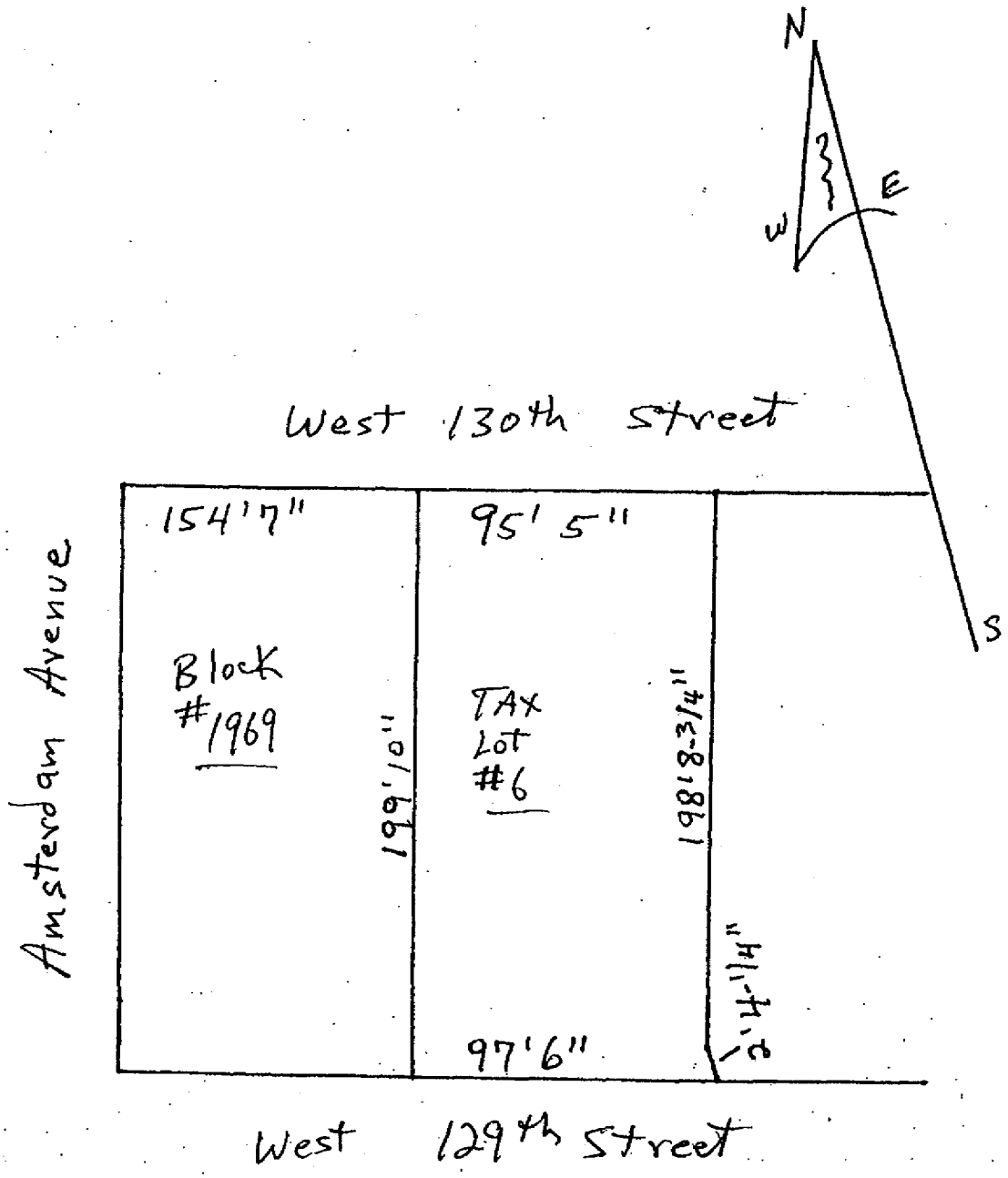
THIS CERTIFICATE IS MADE FOR AND ACCEPTED BY THE APPLICANT UPON THE EXPRESS UNDERSTANDING THAT LIABILITY HEREUNDER IS LIMITED TO ONE THOUSAND ($1,000.00) DOLLARS.

LAWYERS TITLE INSURANCE CORPORATION

Francis M. Hoffman
Assistant Vice President
Associate Branch Counsel

Title No.

DIAGRAM



Title No. LT080176

STATE OF NEW YORK, COUNTY OF NEW YORK ss:

On the 14th day of April, 2008, before me, the undersigned, personally appeared Francis M. Hoffman personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name(s) is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

Jennifer Vella
Notary Public, State of New York
No. 01VE6012828
Qualified in New York County
Commission Expires Sept 8, 2010

Jennifer Vella
Notary Public, State of New York
No. 01VE6012828
Qualified in New York County
Commission Expires Sept 8, 2010

SEAL

EXHIBIT C

DEP letter dated April 16, 2008 to follow

April 16, 2008

Robert Dobruskin
Director, Environmental Assessment and Review
New York City Department of City Planning
22 Reade Street, Room 4E
New York, NY 10007

Re: West 129th Street Rezoning
Block 1969, Lots 1 - 6, 12, 19, 65, 66, 68, 78 - 81 & 104
07DCP076M/ 08DEPTECH069M

Dear Mr. Dobruskin:

The New York City Department of Environmental Protection Bureau of Environmental Planning and Analysis (DEP) has reviewed the March 2008 Phase II Subsurface Investigation prepared by AKRF for the above referenced project site. It is our understanding that the applicant is seeking to rezone Block 1969 from the existing manufacturing M1-1 and R7-2 zones to a R7A zone. The C1-4 overlay along Amsterdam Avenue would remain. The rezoning would permit development at a floor area ratio of 4.0 and would facilitate construction of a 9-story residential building with approximately 130 units and 63 accessory parking spaces on Lots 6. The project site is located in Manhattan Community District 10.

The Phase II concluded that soil disposal requirements for the proposed development project/excavation activities may require hazardous waste disposal/recycling options if future disposal analysis reveals significant contaminant concentrations.

Based upon our review of the submitted documents, DEP has the following comments:

- As a result of Phase II findings, a Remedial Action Plan (RAP) and site-specific Construction Health and Safety Plan (CHASP) for Lot 6 should be submitted for DEP review and approval.

- An adequate sub-slab vapor barrier must be installed during the proposed construction project to reduce/eliminate potential on-site/off-site groundwater contamination from impacting the proposed site/structure.

- Due to the elevated concentration levels of volatile organic compounds detected on-site which are associated with an off-site spill and the engineering controls (vapor barrier) necessary to avoid significant hazardous materials impacts, the applicant should enter into a Restrictive Declaration for Lot 6 with DEP to ensure all remediation activities are completed prior to or during construction of the proposed development. The Restrictive Declaration

must be designed to restrict the manner in which the property may be developed or redeveloped, by requiring that additional testing or remediation measures, if required, serve as a condition precedent to any change of use or sub-surface excavation conducted as part of any future development or redevelopment of the property. All other development sites should receive Hazardous Materials "E" designations.

- Please note that the February 2008 Site Investigation was completed without DEP's written Workplan/HASP approval.

- Please note, as previously indicated in our March 21, 2008 correspondence, that based on the results of the Phase I Investigation, all development sites which are not controlled by the applicant should receive an "E" designation for hazardous materials to ensure that the appropriate level of investigation and, if necessary, remediation be conducted to the satisfaction of DEP prior to development of those sites.

Please include DEP tracking number 08DEPTECH069M on all future correspondence and submittals related to this project. If you have any questions, please contact Gosia Pawluszko at (718) 595-6450.

Sincerely,

Terrell Estesen
Director, Office of City Project Review

cc: J. Wuthenow
D. Cole
G. Pawluszko
D. Doobay – DCP

APPENDIX E
CITY DIRECTORY

487 W. 129th St.
487 W. 129th St.
New York, NY 10027

Inquiry Number: 3949759.1
May 21, 2014

The EDR-City Directory Abstract

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1920 through 2013. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 100 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Year	Source	TP	Adjoining	Text Abstract	Source Image
2013	Cole Information Services	-	-	-	-
2008	Cole Information Services	-	-	-	-
2006	Hill-Donnelly Information Services	-	-	-	-
2000	Cole Information Services	-	-	-	-
1998	NYNEX Telephone	-	-	-	-
1996	NYNEX	-	-	-	-
1993	NYNEX Telephone	-	-	-	-
1988	NYNEX Telephone	-	-	-	-
1983	New York Telephone	-	-	-	-
1978	New York Telephone	-	-	-	-
1973	New York Telephone	-	-	-	-
1968	New York Telephone	-	-	-	-
1963	New York Telephone	-	X	X	-
1958	New York Telephone	-	-	-	-
1956	New York Telephone	-	-	-	-
1950	New York Telephone	-	-	-	-
1947	New York Telephone	X	-	X	-
1942	New York Telephone	X	-	X	-
1938	New York Telephone	-	-	-	-
1934	R. L. Polk & Co.	X	-	X	-
1931	Manhattan and Bronx Directory Publishing Company Residential Directory	-	-	-	-
1927	New York Telephone	X	X	X	-
1923	R. L. Polk & Co.	-	X	X	-
1920	R. L. Polk & Co.	-	-	-	-

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

487 W. 129th St.
New York, NY 10027

FINDINGS DETAIL

Target Property research detail.

W 129 ST

487 W 129 ST

Year	Uses	Source
1947	STARTER	New York Telephone
	THIRD AV TRANSIT CORP	New York Telephone
1942	FOUR EIGHTY SEVEN WEST ONE HUNDRED TWENTY NINTH ST GARAGE	New York Telephone
	WILLIAMS STORAGE WAREHOUSE CO INC	New York Telephone
1927	LOUFS CONSTANT AUTO REPRS	New York Telephone

W 129TH

487 W 129TH

Year	Uses	Source
1934	Eastern Greyhound Lines Inc garage Robt Edgeworth supt	R. L. Polk & Co.
1927	Loufs Constant auto reprs	New York Telephone

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

W 129 ST

490 W 129 ST

Year	Uses	Source
1963	TROTTER WILBUR	New York Telephone

495 W 129 ST

Year	Uses	Source
1927	MANFRIED GARAGE CO	New York Telephone
	MANFRIED GARAGE CO INC	New York Telephone

W 129TH

495 W 129TH

Year	Uses	Source
1927	Manfried Garage Co	New York Telephone
	Manfried Garage Co Inc	New York Telephone
1923	Brand Morris sec New Amsterdam Garage	R. L. Polk & Co.
	Gillman Harry treas New Amsterdam Garage	R. L. Polk & Co.
	New Amsterdam Garago Inc NY Chas Sclietinger pres Morris Brand sec Harry Gilman trees	R. L. Polk & Co.
	Schlesinger Chas pres New Amsdm Garage	R. L. Polk & Co.

FINDINGS

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched	Address Not Identified in Research Source
487 W. 129th St.	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1938, 1931, 1923, 1920

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched	Address Not Identified in Research Source
490 W 129 ST	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
495 W 129 ST	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1923, 1920
495 W 129TH	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1920

APPENDIX B

2008 AND 2014 SOIL BORING GEOLOGIC LOGS

AKRF, Inc.

Environmental Consultants

440 Park Avenue South, 7th Floor
New York, NY 10016

487 West 129th Street, New York, NY

AKRF Project Number : 10825

Drilling Method:	Track-mounted Geoprobe 7720DT
Sampling Method:	5-foot Macrocore
Driller :	Zebra
Weather:	Clear, 20 ºF
Sampler:	AKRF/ Asya Kleyn

Boring No.	**SB-1**
Sheet	1 of 1
Drilling	
Start	**Finish**
Time: 0930	**Time: 0945**
Date: 2/29/08	**Date:** 2/29/08

Depth (feet)	Recovery (Inches)	Surface Condition: 3"-thick concrete	Soil Head Space PID Reading (ppm)	Odor	Moisture	Soil Samples Collected for Lab Analyses
1 2 3 4 5	18"	Brown SAND, trace fine Gravel, Silt, Concrete (FILL).	6.7	slight tar-like	Top 12": dry Middle 1": moist Bottom 5": dry	SB-1 (0'-2')
6 7 8 9 10	4"	Brown SAND, fine GRAVEL and CONCRETE, trace Silt (FILL).	157	slight petroleum-like	dry	
11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28		**End of boring at 6 feet.**				

Notes: **PID - Photoionization detector**

Refusal at 6 feet below grade, before groundwater was encountered. Soil samples analyzed for VOCs, SVOCs, pesticides, PCBs, and TAL metals.

AKRF, Inc.

Environmental Consultants

440 Park Avenue South, 7th Floor
New York, NY 10016

487 West 129th Street, New York, NY

AKRF Project Number : 10825

Boring No. SB-2

Sheet 1 of 1

Drilling Method:	Track-mounted Geoprobe 7720DT	**Drilling**	
Sampling Method:	5-foot Macrocore	**Start**	**Finish**
Driller :	Zebra	**Time: 0915**	**Time: 0930**
Weather:	Clear, 20 ºF	**Date:** 2/29/08	**Date:** 2/29/08
Sampler:	AKRF/ Asya Kleyn		

Depth (feet)	Recovery (Inches)	Surface Condition: 3"-thick concrete	Soil Head Space PID Reading (ppm)	Odor	Moisture	Soil Samples Collected for Lab Analyses
1	24"	Top 2": CONCRETE (FILL). Middle 4" : Black SAND and CONCRETE, trace Ash (FILL). Bottom 18": Brown SAND, trace fine Gravel, Silt, Glass (FILL).	0.1	organic	dry	SB-2 (0'-2')
6	48"	Brown medium to fine SAND, trace Silt.	ND	none	dry	
11	54"	Top 6": Brown medium to fine SAND, trace Silt. Bottom 48": Gray medium to fine SAND.	936	petroleum-like	moist	SB-2 (12'-14')
16		**End of boring at 14 feet.**				

Notes: **PID - Photoionization detector** **ND - Not Detected**

Groundwater was encountered at approximately 13 feet. Refusal at 14 feet below grade. Installed temporary one-inch well screen at 9'-14' below surface. Groundwater samples were not taken due to poor recovery time. Soil samples analyzed for VOCs, SVOCs, pesticides, PCBs, and TAL metals.

AKRF, Inc.

Environmental Consultants

440 Park Avenue South, 7th Floor
New York, NY 10016

487 West 129th Street, New York, NY

AKRF Project Number : 10825

Boring No.	**SB-3**
Sheet	1 of 1

Drilling Method:	Track-mounted Geoprobe 7720DT	**Drilling**	
Sampling Method:	5-foot Macrocore	**Start**	**Finish**
Driller :	Zebra	**Time: 0955**	**Time: 1005**
Weather:	Clear, 20 ºF	**Date:** 2/29/08	**Date:** 2/29/08
Sampler:	AKRF/ Asya Kleyn		

Depth (feet)	Recovery (Inches)	Surface Condition: 3"-thick concrete	Soil Head Space PID Reading (ppm)	Odor	Moisture	Soil Samples Collected for Lab Analyses
1	24"	Top 18": Brown SAND, trace Brick, fine Gravel, Concrete, Silt (FILL). Bottom 6": GRAVEL and ASH (FILL).	0.7	slight tar-like	moist	SB-3 (0'-2')
2						
3						
4						
5						
6		**End of boring at 4.5 feet.**				
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
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25						
26						
27						
28						

Notes: **PID - Photoionization detector**

Refusal at 4.5 feet, before groundwater was encountered. Soil samples analyzed for VOCs, SVOCs, pesticides, PCBs, and TAL metals.

AKRF, Inc.

Environmental Consultants

440 Park Avenue South, 7th Floor
New York, NY 10016

487 West 129th Street, New York, NY

AKRF Project Number : 10825

Drilling Method:	Track-mounted Geoprobe 7720DT
Sampling Method:	5-foot Macrocore
Driller :	Zebra
Weather:	Clear, 20 ºF
Sampler:	AKRF/ Asya Kleyn

Boring No.	**SB-4**
Sheet	1 of 1
Drilling	
Start	**Finish**
Time: 1010	**Time: 1020**
Date: 2/29/08	**Date:** 2/29/08

Depth (feet)	Recovery (Inches)	Surface Condition: 3"-thick concrete	Soil Head Space PID Reading (ppm)	Odor	Moisture	Soil Samples Collected for Lab Analyses
1 2 3 4 5	36"	Brown SAND, trace fine Gravel, Silt, Concrete, Brick (FILL).	1	slight tar-like	Top 6" - dry Middle 1" - moist Bottom 29" - dry	SB-4 (0'-3')
6 7 8 9 10	24"	Brown SAND, trace fine Gravel, Silt, Concrete, Brick, Glass (FILL).	0.3	slight tar-like	moist	SB-4 (5'-7')
11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28		**End of boring at 6.5 feet.**				

Notes: **PID - Photoionization detector**

Refusal at 6.5 feet below grade, before groundwater was encountered. Soil samples analyzed for VOCs, SVOCs, pesticides, PCBs, and TAL metals.

AKRF, Inc.

Environmental Consultants

440 Park Avenue South, 7th Floor
New York, NY 10016

487 West 129th Street, New York, NY

AKRF Project Number : 10825

Boring No. SB-5

Sheet 1 of 1

Drilling Method:	Track-mounted Geoprobe 7720DT	**Drilling**	
Sampling Method:	5-foot Macrocore	**Start**	**Finish**
Driller :	Zebra	**Time:**	**Time:**
Weather:	Clear, 20 ºF	**Date:** 2/29/08	**Date:** 2/29/08
Sampler:	AKRF/ Asya Kleyn		

Depth (feet)	Recovery (Inches)	Surface Condition: 3"-thick concrete	Soil Head Space PID Reading (ppm)	Odor	Moisture	Soil Samples Collected for Lab Analyses
1–5	30"	Top 2": CONCRETE (FILL). Next 6": Brown SAND, trace fine Gravel, Silt, Brick, Ash (FILL). Next 3": COAL and ASH (FILL). Next 3": Brown SAND, trace Clay, Silt, fine Gravel. Next 1": Fine GRAVEL. Bottom 15": Brown SAND, trace Clay, Silt, fine Gravel.	ND	tar-like	dry	SB-5 (0'-3')
6–10	24"	Top 12": Brown SAND, trace fine Gravel, Silt, Glass, Brick (FILL). Bottom 12": Brown SAND, trace fine Gravel, Silt.	ND	slight tar-like	dry	SB-5 (5'-7')
11–28		**End of boring at 7 feet.**				

Notes: **PID - Photoionization detector** **ND - Not Detected**

Refusal at 7 feet below grade, before groundwater was encountered. Soil samples analyzed for VOCs, SVOCs, pesticides, PCBs, and TAL metals.

SOIL BORING LOG

487 W. 129th St

AKRF Project Number: 10825

Boring No. **SB-1**

Sheet 1 of 3

AKRF
440 Park Avenue South, New York, NY 10016
Phone (212) 696-0670 Fax (212) 726-0942

Drilling Method: Track Geoprobe
Sampling Method: 5' Macrocore
Driller : Zebra Environmental
Sampler: Jason Smith

Drilling
Start Time 1320 **Finish Time** 1415
Date 10/08/14
Weather: Clear, 65 °F

Depth (feet)	Recovery (Inches)	Soil Type	Surface Condition: 24" concrete	Odor	Moisture	PID	NAPL	Samples Collected for Lab Analysis
1	24		Top 6": Concrete Middle 6": Brown SILT, trace Silt Bottom 12": Fine Gravel	ND	Dry	ND	NA	
6	48		Top 6": Fine Gravel Bottom 42": Brown SAND, trace Silt	ND	Dry	ND	NA	WC-1 (8'-10')
11	42		Top 6": Brown SAND, trace Silt Middle 6": Fine Gravel Bottom 30": Brown SAND, trace Silt	ND	Dry	ND	NA	WC-1 (12'-14')
16								

Notes: **End of boring at 35 feet below grade. Groundwater encountered approximately 23.7 feet below grade. Installed 1" temporary PVC groundwater monitoring well screened 23 to 28 feet below grade. Soil and groundwater samples collected for laboratory analysis.**

ND= none detected NA= not applicable PID= photo ionization detector ppm = parts per million

SOIL BORING LOG

487 W. 129th St

AKRF Project Number: 10825

Boring No. **SB-1**

Sheet 2 of 3

AKRF
440 Park Avenue South, New York, NY 10016
Phone (212) 696-0670 Fax (212) 726-0942

Drilling Method: Track Geoprobe
Sampling Method: 5' Macrocore
Driller : Zebra Environmental
Sampler: Jason Smith

Drilling
Start Time 1320 **Finish Time** 1415
Date 10/08/2014
Weather: Clear, 65 °F

Depth (feet)	Recovery (Inches)	Soil Type	Surface Condition: concrete	Odor	Moisture	PID	NAPL	Samples Collected for Lab Analysis
16 17 18 19 20	36		Brown SAND, trace Silt	ND	Moist	ND	NA	
21 22 23 24 25	6		Brown SAND, trace Silt	ND	Wet	ND	ND	GW-1
26 27 28 29 30 31	12		Brown SAND, trace Silt.	ND	Wet	ND	ND	

Notes: **End of boring at 35 feet below grade. Groundwater encountered approximately 23.7 feet below grade. Installed 1" temporary PVC groundwater monitoring well screened 23 to 28 feet below grade. Soil and groundwater samples collected for laboratory analysis.**

ND= none detected NA= not applicable PID= photo ionization detector ppm = parts per million

SOIL BORING LOG

487 W. 129th St

Boring No. **SB-1**

Sheet 3 of 3

AKRF
440 Park Avenue South, New York, NY 10016
Phone (212) 696-0670 Fax (212) 726-0942

Drilling Method: Track Geoprobe
Sampling Method: 5' Macrocore
Driller : Zebra Environmental
Sampler: Jason Smith

Drilling
Start Time 1320 **Finish Time** 1415
Date 8/25/14
Weather: Clear, 65 °F

Depth (feet)	Recovery (Inches)	Soil Type	Surface Condition: concrete	Odor	Moisture	PID	NAPL	Samples Collected for Lab Analysis
31 32 33 34 35	36		Brown SAND.	ND	Wet	ND	ND	
36 37 38 39 40 41 42 43 44 45 46			End of boring at 35 feet below grade.					

Notes: **End of boring at 35 feet below grade. Groundwater encountered approximately 23.7 feet below grade. Installed 1" temporary PVC groundwater monitoring well screened 23 to 28 feet below grade. Soil and groundwater samples collected for laboratory analysis.**

ND= none detected NA= not applicable PID= photo ionization detector ppm = parts per million

SOIL BORING LOG

487 W. 129th St

AKRF Project Number: 10825

Boring No. **SB-2**

Sheet 1 **of 1**

AKRF
440 Park Avenue South, New York, NY 10016
Phone (212) 696-0670 Fax (212) 726-0942

Drilling Method: Track Geoprobe
Sampling Method: 5' Macrocore
Driller : Zebra Environmental
Sampler: Jason Smith

Drilling
Start Time 1157 **Finish Time** 1220
Date 10/07/14
Weather: Clear, 70 °F

Depth (feet)	Recovery (Inches)	Soil Type	Surface Condition: 12" concrete	Odor	Moisture	PID	NAPL	Samples Collected for Lab Analysis
1 - 5	48		Dark brown SAND, trace Silt	Petroleum-like at 3-5 feet	Wet	300+ ppm	Water or NAPL noted	WC-2 (3'-5')
6 - 10	54		Dark brown SAND, trace SILT.	Petroleum-like	Wet	300+ ppm (max of 317 ppm)	Water or NAPL noted	
11 - 15	54		Dark brown SAND, trace SILT.	Petroleum-like	Wet	300+ ppm	Water or NAPL noted	WC-2 (12'-14'); GW-2
16			End of boring at 15 feet					

Notes: **End of boring at 15 feet below grade. Groundwater encountered approximately 10.5 feet below grade. Installed 1" temporary PVC groundwater monitoring well screened 9 to 14 feet below grade. Soil and groundwater samples collected for laboratory analysis.**

ND= none detected NA= not applicable PID= photo ionization detector ppm = parts per million

SOIL BORING LOG

487 W. 129th St

AKRF Project Number: 10825

Boring No. **SB-3**

Sheet 1 of 2

AKRF
440 Park Avenue South, New York, NY 10016
Phone (212) 696-0670 Fax (212) 726-0942

Drilling Method: Track Geoprobe
Sampling Method: 5' Macrocore
Driller : Zebra Environmental
Sampler: Jason Smith

Drilling
Start Time 1450 **Finish Time** 1540
Date 10/07/14
Weather: Clear, 70 °F

Depth (feet)	Recovery (Inches)	Soil Type	Surface Condition: 12" concrete	Odor	Moisture	PID	NAPL	Samples Collected for Lab Analysis
1 2 3 4 5	12		SAND, trace Silt	ND	Dry	ND	NA	WC-3 (3'-5')
6 7 8 9 10	36		Light brown SAND	ND	Dry	ND	NA	
11 12 13 14 15	36		Top 24": Fine Gravel and crushed Brick (FILL) Bottom 12": Brown SAND, trace Silt	ND	Dry	ND	NA	
16								

Notes: **End of boring at 30 feet below grade. Groundwater encountered approximately 24.0 feet below grade. Installed 1" temporary PVC groundwater monitoring well screened 24 to 26 feet below grade. Soil and groundwater samples collected for laboratory analysis.**

ND= none detected NA= not applicable PID= photo ionization detector ppm = parts per million

SOIL BORING LOG

487 W. 129th St

AKRF Project Number: 10825

Boring No. **SB-3**

Sheet 2 of 2

AKRF
440 Park Avenue South, New York, NY 10016
Phone (212) 696-0670 Fax (212) 726-0942

Drilling Method: Track Geoprobe
Sampling Method: 5' Macrocore
Driller : Zebra Environmental
Sampler: Jason Smith

Drilling
Start Time 1450 **Finish Time** 1540
Date 10/07/14
Weather: Clear, 70 °F

Depth (feet)	Recovery (Inches)	Soil Type	Surface Condition: concrete	Odor	Moisture	PID	NAPL	Samples Collected for Lab Analysis
16 17 18 19 20	24		Top 12": Sand, trace Silt Bottom 12": Fine Gravel	ND	Wet	0.0 ppm	NA	
21 22 23 24 25	48		SAND, trace Silt	ND	Wet	0.0 ppm	NA	GW-3
26 27 28 29 30	48		SAND, trace Silt	ND	Wet	20+ ppm	NA	WC-3 (26'-28')
31			End of boring at 30 feet					

Notes: **End of boring at 30 feet below grade. Groundwater encountered approximately 24.0 feet below grade. Installed 1" temporary PVC groundwater monitoring well screened 23 to 28 feet below grade. Soil and groundwater samples collected for laboratory analysis.**

ND= none detected NA= not applicable PID= photo ionization detector ppm = parts per million

SOIL BORING LOG

487 W. 129th St

AKRF Project Number: 10825

Boring No. **SB-4**

Sheet 1 of 2

AKRF
440 Park Avenue South, New York, NY 10016
Phone (212) 696-0670 Fax (212) 726-0942

Drilling Method: Track Geoprobe
Sampling Method: 5' Macrocore
Driller : Zebra Environmental
Sampler: Jason Smith

Drilling
Start Time 1620 **Finish Time** 1720
Date 10/07/14
Weather: Clear, 70 °F

Depth (feet)	Recovery (Inches)	Soil Type	Surface Condition: 24" concrete	Odor	Moisture	PID	NAPL	Samples Collected for Lab Analysis
1			No recovery	ND	ND	ND	NA	
2								
3								
4								
5								
6	48		Light brown SAND, trace Clay	ND	Dry	ND	NA	WC-4 (7'-9')
7								
8								
9								
10								
11	48		Top 12": Light Brown SAND, trace Silt Middle 12": Fine Gravel Bottom 24": Dark brown SAND, trace Silt	ND	Dry	ND	NA	
12								
13								
14								
15								
16								

Notes: **End of boring at 30 feet below grade. Groundwater encountered approximately 27.0 feet below grade. Installed 1" temporary PVC groundwater monitoring well screened 26 to 31 feet below grade. Soil and groundwater samples collected for laboratory analysis.**

ND= none detected NA= not applicable PID= photo ionization detector ppm = parts per million

SOIL BORING LOG

487 W. 129th St

AKRF Project Number: 10825

Boring No. **SB-4**

Sheet 2 of 2

AKRF
440 Park Avenue South, New York, NY 10016
Phone (212) 696-0670 Fax (212) 726-0942

Drilling Method: Track Geoprobe
Sampling Method: 5' Macrocore
Driller : Zebra Environmental
Sampler: Jason Smith

Drilling
Start Time 1620 **Finish Time** 1720
Date 10/07/14
Weather: Clear, 70 °F

Depth (feet)	Recovery (Inches)	Soil Type	Surface Condition: concrete	Odor	Moisture	PID	NAPL	Samples Collected for Lab Analysis
16	48		Top 12": Fine Gravel Bottom 36": Brown SAND, trace Silt	ND	Dry	0.0 ppm	NA	
17								
18								
19								
20								
21	48		Brown SAND	ND	Dry	0.0 ppm	NA	
22								
23								
24								
25								
26	48		Top 36": Brown SAND, trace Silt	ND	Wet	20+ ppm	NA	WC-4 (26'-28'); GW-4
27								
28								
29			Bottom 12": Brown SAND, trace Silt					
30								
31			End of boring at 30 feet					

Notes: **End of boring at 30 feet below grade. Groundwater encountered approximately 27.0 feet below grade. Installed 1" temporary PVC groundwater monitoring well screened 26 to 31 feet below grade. Soil and groundwater samples collected for laboratory analysis.**

ND= none detected NA= not applicable PID= photo ionization detector ppm = parts per million

APPENDIX C

SOIL VAPOR SAMPLING LOGS

AKRF, Inc.
Environmental Consultants

Soil Vapor Sampling Log

Job No:	11978	**Client:**	Inner City Contracting
Project Location:	487 W. 129th St	**Sampled By:**	J. Smith
Date:	10/08/14		

Sample ID:	SV-1
Canister ID:	610
Flow Controller ID:	0378

Purging

Time Started:	11:56
Time Stopped:	12:06
Vol. Purged:	1.0 liters
Flow Rate:	0.1 L/min

Laboratory Sample (Summa Canister)

Time Started:	12:11	**Vacuum:**	-29.65 inHg
Time Stopped:	14:18	**Vacuum:**	-6.96 inHg

Field Sample

PID Calibration:	10 ppm isobutylene
Time Started:	7:55
Time Stopped:	8:00
PID Reading:	0.658 ppm
He Reading	ND

AKRF, Inc.
Environmental Consultants

Soil Vapor Sampling Log

Job No:	11978	**Client:**	Inner City Contracting
Project Location:	487 W. 129th St	**Sampled By:**	J. Smith
Date:	10/07/14		

Sample ID:	SV-2
Canister ID:	590
Flow Controller ID:	0014

Purging

Time Started:	13:18	
Time Stopped:	13:28	
Vol. Purged:	1.0	liters
Flow Rate:	0.1	L/min

Laboratory Sample (Summa Canister)

Time Started:	13:33	**Vacuum:**	-30.28 inHg
Time Stopped:	15:39	**Vacuum:**	-6.14 inHg

Field Sample

PID Calibration:	10 ppm isobutylene
Time Started:	7:55
Time Stopped:	8:00
PID Reading:	Over 5 ppm (evidence of petroleum in adjacent soil sample)
He Reading	ND

AKRF, Inc.
Environmental Consultants

Soil Vapor Sampling Log

Job No:	11978	**Client:**	Inner City Contracting
Project Location:	487 W. 129th St	**Sampled By:**	J. Smith
Date:	10/08/14		

Sample ID:	SV-3
Canister ID:	1811
Flow Controller ID:	0435

Purging

Time Started:	11:03	
Time Stopped:	11:13	
Vol. Purged:	1.0	liters
Flow Rate:	0.1	L/min

Laboratory Sample (Summa Canister)

Time Started:	11:18	**Vacuum:**	-29.95 inHg
Time Stopped:	13:20	**Vacuum:**	-6.69 inHg

Field Sample

PID Calibration:	10 ppm isobutylene
Time Started:	7:55
Time Stopped:	8:00
PID Reading:	1.289 ppm
He Reading	ND

AKRF, Inc.
Environmental Consultants

Soil Vapor Sampling Log

Job No:	11978	**Client:**	Inner City Contracting
Project Location:	487 W. 129th St	**Sampled By:**	J. Smith
Date:	10/08/14		

Sample ID:	SV-4
Canister ID:	1941
Flow Controller ID:	0046

Purging

Time Started:	11:25	
Time Stopped:	11:35	
Vol. Purged:	1.0	liters
Flow Rate:	0.1	L/min

Laboratory Sample (Summa Canister)

Time Started:	11:41	**Vacuum:**	29.85 inHg
Time Stopped:	13:50	**Vacuum:**	5.32 inHg

Field Sample

PID Calibration:	10 ppm isobutylene
Time Started:	7:55
Time Stopped:	8:00
PID Reading:	0.645 ppm
He Reading	ND

AKRF, Inc.
Environmental Consultants

Soil Vapor Sampling Log

Job No:	11978	**Client:**	Inner City Contracting
Project Location:	487 W. 129th St	**Sampled By:**	J. Smith
Date:	10/08/14		

Sample ID: SV-5

Canister ID: 1845

Flow Controller ID: 0303

Purging

Time Started: 9:33

Time Stopped: 9:43

Vol. Purged: 1.0 liters

Flow Rate: 0.1 L/min

Laboratory Sample (Summa Canister)

Time Started:	9:48	**Vacuum:**	30.14 inHg
Time Stopped:	11:52	**Vacuum:**	6.41 inHg

Field Sample

PID Calibration: 100 ppm isobutylene

Time Started: 7:55

Time Stopped: 8:00

PID Reading: 0.467 ppm

He Reading ND

APPENDIX D

2008 AND 2014 LABORATORY ANALYTICAL DATA DELIVERABLES

ALPHA ANALYTICAL

Eight Walkup Drive
Westborough, Massachusetts 01581-1019
(508) 898-9220 www.alphalab.com
MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

CERTIFICATE OF ANALYSIS

Client: AKRF, Inc.

Address: 440 Park Avenue South
New York, NY 10016

Attn: Ms. Asya Kleyn

Project Number: 10825

Laboratory Job Number: L0802902

Date Received: 29-FEB-2008

Date Reported: 10-MAR-2008

Delivery Method: Alpha

Site: 487 W. 129TH STREET

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0802902-01	FB-1	NEW YORK, NY
L0802902-02	SB-1 (0-2')	NEW YORK, NY
L0802902-03	SB-2 (0-2')	NEW YORK, NY
L0802902-04	SB-2 (12-14')	NEW YORK, NY
L0802902-05	SB-3 (0-2')	NEW YORK, NY
L0802902-06	SB-4 (0-3')	NEW YORK, NY
L0802902-07	SB-4 (5-7')	NEW YORK, NY
L0802902-08	SB-5 (0-3')	NEW YORK, NY
L0802902-09	SB-5 (5-7')	NEW YORK, NY
L0802902-10	FD-1	NEW YORK, NY
L0802902-11	TB-1	NEW YORK, NY

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized by: _____
Technical Representative

ALPHA ANALYTICAL
NARRATIVE REPORT

Laboratory Job Number: L0802902

The samples were received in accordance with the chain of custody and no significant deviations were encountered during preparation or analysis unless otherwise noted below.

Sample Receipt

At the client's request, the analysis of sample "FD-1" was placed on hold.

With the client's authorization, the following compounds are not reported on the Volatile Organics list: p-Diethylbenzene, 4-Ethyltoluene, and 1,2,4,5-Tetramethylbenzene.

Total Metals

The samples were re-analyzed on dilution in order to quantitate the samples within the dynamic linear range for Calcium and Iron. The dilutions are as follows:

L0802902-03: 10x for Iron

L0802902-05: 10x for Calcium and Iron

L0802902-09: 10x for Calcium

The WG313283-1 laboratory duplicate RPD for Arsenic is above method acceptance criteria due to sample non-homogeneity.

The WG313460-1 laboratory duplicate RPD for Calcium is above method acceptance criteria, however, the sample and duplicate results are less than 5 times the reporting limit, therefore, the RPD is valid.

The WG313283-2 MS % recoveries for Aluminum, Calcium, Iron, Magnesium, Manganese, and Potassium are invalid because the sample concentration is greater than four times the spike amount added. The MS % recovery for Antimony is below method acceptance criteria. A post-digestion spike was performed with an acceptable recovery of 92%. The MS % recovery for Sodium is above method acceptance criteria due to the concentration (below reporting limit) of this element in the spiked sample.

Calcium is present in the WG313283-3 method blank, however, all associated sample results are greater than 10x the amount detected in the blank.

Volatile Organics

L0802907-04 has elevated detection limits due to the 200x dilution required by the elevated concentrations of non-target compounds in the sample.

The surrogate % recovery for 1,2-Dichloroethane-d4 is above method acceptance criteria on L0802902-05. Re-analysis achieved similar results. The results of both analyses are reported.

The surrogate % recovery for 4-Bromofluorobenzene is above method acceptance criteria on L0802902-07. The sample is non-detect for all target compounds.

Semivolatile Organics

L0802902-03 has elevated detection limits due to the 5x dilution required by the sample matrix.

L0802902-05, -06, and -07 have elevated detection limits due to the 5x dilutions required by the matrix interferences encountered during the concentration of the samples and the 5x dilutions required by the matrix of the samples (total dilutions 25x). The surrogates could not be recovered due to the dilutions required to quantitate the samples.

L0802902-09 has elevated detection limits due to the 10x dilution required by the elevated concentrations of non-target compounds in the sample.

The WG313384-2 LCS % recovery for 2,4-Dinitrotoluene is above, and the LCS % recovery for 2,4-Dinitrophenol is below, method acceptance criteria. The MS/MSD % recoveries are acceptable.

The WG313384-3/4 MS % recoveries for Fluoranthene and Pyrene are above method acceptance criteria due to the presence of these compounds in the spiked sample. The LCS % recoveries are acceptable.

WG313450: An LCS/LCSD was performed in lieu of an MS/MSD due to limited sample volume available for analysis.

The WG313450-2/3 LCS/LCSD RPDs are above method acceptance criteria for 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,4-Dichlorobenzene, and 2-Chlorophenol.

PCB

L0802902-05 has elevated detection limits due to the 2x dilution required by the matrix interferences encountered during the concentration of the sample.

Pesticides

L0802902-05 has elevated detection limits due to the 5x dilution required by the sample matrix.

WG313451: An LCS/LCSD was performed in lieu of an MS/MSD due to insufficient sample volume available for analysis.

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0802902-01
FB-1
Sample Matrix: WATER

Date Collected: 29-FEB-2008 11:20
Date Received : 29-FEB-2008
Date Reported : 10-MAR-2008

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 3-Amber,2-Plastic,2-Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals								
Aluminum, Total	ND	mg/l	0.10	1	6010B	0304 15:00	0306 10:30	AI
Antimony, Total	ND	mg/l	0.050	1	6010B	0304 15:00	0306 10:30	AI
Arsenic, Total	ND	mg/l	0.005	1	6010B	0304 15:00	0306 10:30	AI
Barium, Total	ND	mg/l	0.010	1	6010B	0304 15:00	0306 10:30	AI
Beryllium, Total	ND	mg/l	0.005	1	6010B	0304 15:00	0306 10:30	AI
Cadmium, Total	ND	mg/l	0.005	1	6010B	0304 15:00	0306 10:30	AI
Calcium, Total	0.15	mg/l	0.10	1	6010B	0304 15:00	0306 10:30	AI
Chromium, Total	ND	mg/l	0.01	1	6010B	0304 15:00	0306 10:30	AI
Cobalt, Total	ND	mg/l	0.020	1	6010B	0304 15:00	0306 10:30	AI
Copper, Total	ND	mg/l	0.010	1	6010B	0304 15:00	0306 10:30	AI
Iron, Total	ND	mg/l	0.05	1	6010B	0304 15:00	0306 10:30	AI
Lead, Total	ND	mg/l	0.010	1	6010B	0304 15:00	0306 10:30	AI
Magnesium, Total	ND	mg/l	0.10	1	6010B	0304 15:00	0306 10:30	AI
Manganese, Total	ND	mg/l	0.010	1	6010B	0304 15:00	0306 10:30	AI
Mercury, Total	ND	mg/l	0.0002	1	7470A	0304 10:15	0304 15:08	RC
Nickel, Total	ND	mg/l	0.025	1	6010B	0304 15:00	0306 10:30	AI
Potassium, Total	ND	mg/l	2.5	1	6010B	0304 15:00	0306 10:30	AI
Selenium, Total	ND	mg/l	0.010	1	6010B	0304 15:00	0306 10:30	AI
Silver, Total	ND	mg/l	0.007	1	6010B	0304 15:00	0306 10:30	AI
Sodium, Total	ND	mg/l	2.0	1	6010B	0304 15:00	0306 10:30	AI
Thallium, Total	ND	mg/l	0.020	1	6010B	0304 15:00	0306 10:30	AI
Vanadium, Total	ND	mg/l	0.010	1	6010B	0304 15:00	0306 10:30	AI
Zinc, Total	ND	mg/l	0.050	1	6010B	0304 15:00	0306 10:30	AI
Dissolved Metals								
Aluminum, Dissolved	ND	mg/l	0.10	1	6010B	0301 11:45	0304 10:57	AI
Antimony, Dissolved	ND	mg/l	0.050	1	6010B	0301 11:45	0304 10:57	AI
Arsenic, Dissolved	ND	mg/l	0.005	1	6010B	0301 11:45	0304 10:57	AI
Barium, Dissolved	ND	mg/l	0.010	1	6010B	0301 11:45	0304 10:57	AI
Beryllium, Dissolved	ND	mg/l	0.005	1	6010B	0301 11:45	0304 10:57	AI
Cadmium, Dissolved	ND	mg/l	0.005	1	6010B	0301 11:45	0304 10:57	AI
Calcium, Dissolved	0.18	mg/l	0.10	1	6010B	0301 11:45	0304 10:57	AI
Chromium, Dissolved	ND	mg/l	0.01	1	6010B	0301 11:45	0304 10:57	AI
Cobalt, Dissolved	ND	mg/l	0.020	1	6010B	0301 11:45	0304 10:57	AI
Copper, Dissolved	ND	mg/l	0.010	1	6010B	0301 11:45	0304 10:57	AI
Iron, Dissolved	ND	mg/l	0.05	1	6010B	0301 11:45	0304 10:57	AI

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-01
FB-1

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Dissolved Metals								
Lead, Dissolved	ND	mg/l	0.010	1	6010B	0301 11:45	0304 10:57	AI
Magnesium, Dissolved	ND	mg/l	0.10	1	6010B	0301 11:45	0304 10:57	AI
Manganese, Dissolved	ND	mg/l	0.010	1	6010B	0301 11:45	0304 10:57	AI
Mercury, Dissolved	ND	mg/l	0.0002	1	7470A	0305 16:00	0306 18:08	RC
Nickel, Dissolved	ND	mg/l	0.025	1	6010B	0301 11:45	0304 10:57	AI
Potassium, Dissolved	ND	mg/l	2.5	1	6010B	0301 11:45	0304 10:57	AI
Selenium, Dissolved	ND	mg/l	0.010	1	6010B	0301 11:45	0304 10:57	AI
Silver, Dissolved	ND	mg/l	0.007	1	6010B	0301 11:45	0304 10:57	AI
Sodium, Dissolved	ND	mg/l	2.0	1	6010B	0301 11:45	0304 10:57	AI
Thallium, Dissolved	ND	mg/l	0.020	1	6010B	0301 11:45	0304 10:57	AI
Vanadium, Dissolved	ND	mg/l	0.010	1	6010B	0301 11:45	0304 10:57	AI
Zinc, Dissolved	ND	mg/l	0.050	1	6010B	0301 11:45	0304 10:57	AI
Volatile Organics by EPA 8260B				1	8260B		0310 14:58	BS
Methylene chloride	ND	ug/l	5.0					
1,1-Dichloroethane	ND	ug/l	0.75					
Chloroform	ND	ug/l	0.75					
Carbon tetrachloride	ND	ug/l	0.50					
1,2-Dichloropropane	ND	ug/l	1.8					
Dibromochloromethane	ND	ug/l	0.50					
1,1,2-Trichloroethane	ND	ug/l	0.75					
Tetrachloroethene	ND	ug/l	0.50					
Chlorobenzene	ND	ug/l	0.50					
Trichlorofluoromethane	ND	ug/l	2.5					
1,2-Dichloroethane	ND	ug/l	0.50					
1,1,1-Trichloroethane	ND	ug/l	0.50					
Bromodichloromethane	ND	ug/l	0.50					
trans-1,3-Dichloropropene	ND	ug/l	0.50					
cis-1,3-Dichloropropene	ND	ug/l	0.50					
1,1-Dichloropropene	ND	ug/l	2.5					
Bromoform	ND	ug/l	2.0					
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50					
Benzene	ND	ug/l	0.50					
Toluene	ND	ug/l	0.75					
Ethylbenzene	ND	ug/l	0.50					
Chloromethane	ND	ug/l	2.5					
Bromomethane	ND	ug/l	1.0					
Vinyl chloride	ND	ug/l	1.0					
Chloroethane	ND	ug/l	1.0					
1,1-Dichloroethene	ND	ug/l	0.50					
trans-1,2-Dichloroethene	ND	ug/l	0.75					
Trichloroethene	ND	ug/l	0.50					
1,2-Dichlorobenzene	ND	ug/l	2.5					
1,3-Dichlorobenzene	ND	ug/l	2.5					
1,4-Dichlorobenzene	ND	ug/l	2.5					
Methyl tert butyl ether	ND	ug/l	1.0					
p/m-Xylene	ND	ug/l	1.0					
o-Xylene	ND	ug/l	1.0					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-01
FB-1

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0310 14:58	BS
cis-1,2-Dichloroethene	ND	ug/l	0.50					
Dibromomethane	ND	ug/l	5.0					
1,2,3-Trichloropropane	ND	ug/l	5.0					
Styrene	ND	ug/l	1.0					
Dichlorodifluoromethane	ND	ug/l	5.0					
Acetone	ND	ug/l	5.0					
Carbon disulfide	ND	ug/l	5.0					
2-Butanone	ND	ug/l	5.0					
Vinyl acetate	ND	ug/l	5.0					
4-Methyl-2-pentanone	ND	ug/l	5.0					
2-Hexanone	ND	ug/l	5.0					
Bromochloromethane	ND	ug/l	2.5					
2,2-Dichloropropane	ND	ug/l	2.5					
1,2-Dibromoethane	ND	ug/l	2.0					
1,3-Dichloropropane	ND	ug/l	2.5					
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50					
Bromobenzene	ND	ug/l	2.5					
n-Butylbenzene	ND	ug/l	0.50					
sec-Butylbenzene	ND	ug/l	0.50					
tert-Butylbenzene	ND	ug/l	2.5					
o-Chlorotoluene	ND	ug/l	2.5					
p-Chlorotoluene	ND	ug/l	2.5					
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5					
Hexachlorobutadiene	ND	ug/l	0.60					
Isopropylbenzene	ND	ug/l	0.50					
p-Isopropyltoluene	ND	ug/l	0.50					
Naphthalene	ND	ug/l	2.5					
n-Propylbenzene	ND	ug/l	0.50					
1,2,3-Trichlorobenzene	ND	ug/l	2.5					
1,2,4-Trichlorobenzene	ND	ug/l	2.5					
1,3,5-Trimethylbenzene	ND	ug/l	2.5					
1,2,4-Trimethylbenzene	ND	ug/l	2.5					
Surrogate(s)	Recovery		QC Criteria					
1,2-Dichloroethane-d4	94.0	%	70-130					
Toluene-d8	99.0	%	70-130					
4-Bromofluorobenzene	102	%	70-130					
Dibromofluoromethane	101	%	70-130					
Semivolatile Organics by EPA 8270C				1	8270C	0304 14:30	0305 16:45	AK
Acenaphthene	ND	ug/l	4.9					
1,2,4-Trichlorobenzene	ND	ug/l	4.9					
Hexachlorobenzene	ND	ug/l	4.9					
Bis(2-chloroethyl)ether	ND	ug/l	4.9					
2-Chloronaphthalene	ND	ug/l	5.9					
1,2-Dichlorobenzene	ND	ug/l	4.9					
1,3-Dichlorobenzene	ND	ug/l	4.9					
1,4-Dichlorobenzene	ND	ug/l	4.9					
3,3'-Dichlorobenzidine	ND	ug/l	49.					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-01
FB-1

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0304 14:30	0305 16:45	AK
2,4-Dinitrotoluene	ND	ug/l	5.9					
2,6-Dinitrotoluene	ND	ug/l	4.9					
Fluoranthene	ND	ug/l	4.9					
4-Chlorophenyl phenyl ether	ND	ug/l	4.9					
4-Bromophenyl phenyl ether	ND	ug/l	4.9					
Bis(2-chloroisopropyl)ether	ND	ug/l	4.9					
Bis(2-chloroethoxy)methane	ND	ug/l	4.9					
Hexachlorobutadiene	ND	ug/l	9.8					
Hexachlorocyclopentadiene	ND	ug/l	29.					
Hexachloroethane	ND	ug/l	4.9					
Isophorone	ND	ug/l	4.9					
Naphthalene	ND	ug/l	4.9					
Nitrobenzene	ND	ug/l	4.9					
NitrosoDiPhenylAmine(NDPA)/DPA	ND	ug/l	15.					
n-Nitrosodi-n-propylamine	ND	ug/l	4.9					
Bis(2-Ethylhexyl)phthalate	ND	ug/l	4.9					
Butyl benzyl phthalate	ND	ug/l	4.9					
Di-n-butylphthalate	ND	ug/l	4.9					
Di-n-octylphthalate	ND	ug/l	4.9					
Diethyl phthalate	ND	ug/l	4.9					
Dimethyl phthalate	ND	ug/l	4.9					
Benzo(a)anthracene	ND	ug/l	4.9					
Benzo(a)pyrene	ND	ug/l	4.9					
Benzo(b)fluoranthene	ND	ug/l	4.9					
Benzo(k)fluoranthene	ND	ug/l	4.9					
Chrysene	ND	ug/l	4.9					
Acenaphthylene	ND	ug/l	4.9					
Anthracene	ND	ug/l	4.9					
Benzo(ghi)perylene	ND	ug/l	4.9					
Fluorene	ND	ug/l	4.9					
Phenanthrene	ND	ug/l	4.9					
Dibenzo(a,h)anthracene	ND	ug/l	4.9					
Indeno(1,2,3-cd)Pyrene	ND	ug/l	6.8					
Pyrene	ND	ug/l	4.9					
Biphenyl	ND	ug/l	4.9					
4-Chloroaniline	ND	ug/l	4.9					
2-Nitroaniline	ND	ug/l	4.9					
3-Nitroaniline	ND	ug/l	4.9					
4-Nitroaniline	ND	ug/l	6.8					
Dibenzofuran	ND	ug/l	4.9					
2-Methylnaphthalene	ND	ug/l	4.9					
1,2,4,5-Tetrachlorobenzene	ND	ug/l	20.					
Acetophenone	ND	ug/l	20.					
2,4,6-Trichlorophenol	ND	ug/l	4.9					
P-Chloro-M-Cresol	ND	ug/l	4.9					
2-Chlorophenol	ND	ug/l	5.9					
2,4-Dichlorophenol	ND	ug/l	9.8					
2,4-Dimethylphenol	ND	ug/l	9.8					
2-Nitrophenol	ND	ug/l	20.					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-01
FB-1

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0304 14:30	0305 16:45	AK
4-Nitrophenol	ND	ug/l	9.8					
2,4-Dinitrophenol	ND	ug/l	29.					
4,6-Dinitro-o-cresol	ND	ug/l	20.					
Pentachlorophenol	ND	ug/l	9.8					
Phenol	ND	ug/l	6.8					
2-Methylphenol	ND	ug/l	5.9					
3-Methylphenol/4-Methylphenol	ND	ug/l	5.9					
2,4,5-Trichlorophenol	ND	ug/l	4.9					
Benzoic Acid	ND	ug/l	49.					
Benzyl Alcohol	ND	ug/l	9.8					
Carbazole	ND	ug/l	4.9					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	34.0	%	21-120					
Phenol-d6	28.0	%	10-120					
Nitrobenzene-d5	71.0	%	23-120					
2-Fluorobiphenyl	67.0	%	43-120					
2,4,6-Tribromophenol	76.0	%	10-120					
4-Terphenyl-d14	84.0	%	33-120					
Polychlorinated Biphenyls by EPA 8082				1	8082	0304 14:30	0306 23:29	SS
Aroclor 1016	ND	ug/l	0.100					
Aroclor 1221	ND	ug/l	0.100					
Aroclor 1232	ND	ug/l	0.100					
Aroclor 1242	ND	ug/l	0.100					
Aroclor 1248	ND	ug/l	0.100					
Aroclor 1254	ND	ug/l	0.100					
Aroclor 1260	ND	ug/l	0.100					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	59.0	%	30-150					
Decachlorobiphenyl	82.0	%	30-150					
Organochlorine Pesticides by EPA 8081A				1	8081A	0304 14:30	0306 15:06	JB
Delta-BHC	ND	ug/l	0.021					
Lindane	ND	ug/l	0.021					
Alpha-BHC	ND	ug/l	0.021					
Beta-BHC	ND	ug/l	0.021					
Heptachlor	ND	ug/l	0.021					
Aldrin	ND	ug/l	0.021					
Heptachlor epoxide	ND	ug/l	0.021					
Endrin	ND	ug/l	0.042					
Endrin ketone	ND	ug/l	0.042					
Dieldrin	ND	ug/l	0.042					
4,4'-DDE	ND	ug/l	0.042					
4,4'-DDD	ND	ug/l	0.042					
4,4'-DDT	ND	ug/l	0.042					
Endosulfan I	ND	ug/l	0.021					
Endosulfan II	ND	ug/l	0.042					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-01
FB-1

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Organochlorine Pesticides by EPA 8081A cont'd				1	8081A	0304 14:30	0306 15:06	JB
Endosulfan sulfate	ND	ug/l	0.042					
Methoxychlor	ND	ug/l	0.208					
trans-Chlordane	ND	ug/l	0.021					
Chlordane	ND	ug/l	0.208					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	68.0	%	30-150					
Decachlorobiphenyl	60.0	%	30-150					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0802902-02
SB-1 (0-2')
Sample Matrix: SOIL

Date Collected: 29-FEB-2008 10:00
Date Received : 29-FEB-2008
Date Reported : 10-MAR-2008

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber,1-Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	87	%	0.10	30	2540G		0303 20:10	NM
Total Metals								
Aluminum, Total	12000	mg/kg	5.7	1	6010B	0301 13:50	0303 09:20	MG
Antimony, Total	ND	mg/kg	2.8	1	6010B	0301 13:50	0303 09:20	MG
Arsenic, Total	3.1	mg/kg	0.57	1	6010B	0301 13:50	0303 09:20	MG
Barium, Total	75	mg/kg	0.57	1	6010B	0301 13:50	0303 09:20	MG
Beryllium, Total	0.58	mg/kg	0.28	1	6010B	0301 13:50	0303 09:20	MG
Cadmium, Total	ND	mg/kg	0.57	1	6010B	0301 13:50	0303 09:20	MG
Calcium, Total	4400	mg/kg	5.7	1	6010B	0301 13:50	0303 09:20	MG
Chromium, Total	18	mg/kg	0.57	1	6010B	0301 13:50	0303 09:20	MG
Cobalt, Total	9.1	mg/kg	1.1	1	6010B	0301 13:50	0303 09:20	MG
Copper, Total	17	mg/kg	0.57	1	6010B	0301 13:50	0303 09:20	MG
Iron, Total	19000	mg/kg	2.8	1	6010B	0301 13:50	0303 09:20	MG
Lead, Total	12	mg/kg	2.8	1	6010B	0301 13:50	0303 09:20	MG
Magnesium, Total	5200	mg/kg	5.7	1	6010B	0301 13:50	0303 09:20	MG
Manganese, Total	260	mg/kg	0.57	1	6010B	0301 13:50	0303 09:20	MG
Mercury, Total	ND	mg/kg	0.09	1	7471A	0304 20:00	0305 10:26	DM
Nickel, Total	20	mg/kg	1.4	1	6010B	0301 13:50	0303 09:20	MG
Potassium, Total	4400	mg/kg	140	1	6010B	0301 13:50	0303 09:20	MG
Selenium, Total	ND	mg/kg	2.8	1	6010B	0301 13:50	0303 09:20	MG
Silver, Total	ND	mg/kg	0.57	1	6010B	0301 13:50	0303 09:20	MG
Sodium, Total	110	mg/kg	110	1	6010B	0301 13:50	0303 09:20	MG
Thallium, Total	ND	mg/kg	2.8	1	6010B	0301 13:50	0303 09:20	MG
Vanadium, Total	29	mg/kg	0.57	1	6010B	0301 13:50	0303 09:20	MG
Zinc, Total	44	mg/kg	2.8	1	6010B	0301 13:50	0303 09:20	MG
Volatile Organics by EPA 8260B				1	8260B		0305 12:58	GK
Methylene chloride	ND	ug/kg	29.					
1,1-Dichloroethane	ND	ug/kg	4.3					
Chloroform	ND	ug/kg	4.3					
Carbon tetrachloride	ND	ug/kg	2.9					
1,2-Dichloropropane	ND	ug/kg	10.					
Dibromochloromethane	ND	ug/kg	2.9					
1,1,2-Trichloroethane	ND	ug/kg	4.3					
Tetrachloroethene	ND	ug/kg	2.9					
Chlorobenzene	ND	ug/kg	2.9					
Trichlorofluoromethane	ND	ug/kg	14.					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-02
SB-1 (0-2')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0305 12:58	GK
1,2-Dichloroethane	ND	ug/kg	2.9					
1,1,1-Trichloroethane	ND	ug/kg	2.9					
Bromodichloromethane	ND	ug/kg	2.9					
trans-1,3-Dichloropropene	ND	ug/kg	2.9					
cis-1,3-Dichloropropene	ND	ug/kg	2.9					
1,1-Dichloropropene	ND	ug/kg	14.					
Bromoform	ND	ug/kg	11.					
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.9					
Benzene	ND	ug/kg	2.9					
Toluene	ND	ug/kg	4.3					
Ethylbenzene	ND	ug/kg	2.9					
Chloromethane	ND	ug/kg	14.					
Bromomethane	ND	ug/kg	5.7					
Vinyl chloride	ND	ug/kg	5.7					
Chloroethane	ND	ug/kg	5.7					
1,1-Dichloroethene	ND	ug/kg	2.9					
trans-1,2-Dichloroethene	ND	ug/kg	4.3					
Trichloroethene	ND	ug/kg	2.9					
1,2-Dichlorobenzene	ND	ug/kg	14.					
1,3-Dichlorobenzene	ND	ug/kg	14.					
1,4-Dichlorobenzene	ND	ug/kg	14.					
Methyl tert butyl ether	ND	ug/kg	5.7					
p/m-Xylene	ND	ug/kg	5.7					
o-Xylene	ND	ug/kg	5.7					
cis-1,2-Dichloroethene	ND	ug/kg	2.9					
Dibromomethane	ND	ug/kg	29.					
Styrene	ND	ug/kg	5.7					
Dichlorodifluoromethane	ND	ug/kg	29.					
Acetone	ND	ug/kg	29.					
Carbon disulfide	ND	ug/kg	29.					
2-Butanone	ND	ug/kg	29.					
Vinyl acetate	ND	ug/kg	29.					
4-Methyl-2-pentanone	ND	ug/kg	29.					
1,2,3-Trichloropropane	ND	ug/kg	29.					
2-Hexanone	ND	ug/kg	29.					
Bromochloromethane	ND	ug/kg	14.					
2,2-Dichloropropane	ND	ug/kg	14.					
1,2-Dibromoethane	ND	ug/kg	11.					
1,3-Dichloropropane	ND	ug/kg	14.					
1,1,1,2-Tetrachloroethane	ND	ug/kg	2.9					
Bromobenzene	ND	ug/kg	14.					
n-Butylbenzene	ND	ug/kg	2.9					
sec-Butylbenzene	ND	ug/kg	2.9					
tert-Butylbenzene	ND	ug/kg	14.					
o-Chlorotoluene	ND	ug/kg	14.					
p-Chlorotoluene	ND	ug/kg	14.					
1,2-Dibromo-3-chloropropane	ND	ug/kg	14.					
Hexachlorobutadiene	ND	ug/kg	14.					
Isopropylbenzene	ND	ug/kg	2.9					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-02
SB-1 (0-2')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0305 12:58	GK
p-Isopropyltoluene	ND	ug/kg	2.9					
Naphthalene	ND	ug/kg	14.					
n-Propylbenzene	ND	ug/kg	2.9					
1,2,3-Trichlorobenzene	ND	ug/kg	14.					
1,2,4-Trichlorobenzene	ND	ug/kg	14.					
1,3,5-Trimethylbenzene	ND	ug/kg	14.					
1,2,4-Trimethylbenzene	ND	ug/kg	14.					
1,4-Diethylbenzene	ND	ug/kg	2.9					
4-Ethyltoluene	ND	ug/kg	2.9					
1,2,4,5-Tetramethylbenzene	ND	ug/kg	2.9					
Surrogate(s)	Recovery		QC Criteria					
1,2-Dichloroethane-d4	106	%	70-130					
Toluene-d8	99.0	%	70-130					
4-Bromofluorobenzene	107	%	70-130					
Dibromofluoromethane	89.0	%	70-130					
Semivolatile Organics by EPA 8270C				1	8270C	0303 21:30	0305 17:16	AK
Acenaphthene	ND	ug/kg	380					
1,2,4-Trichlorobenzene	ND	ug/kg	380					
Hexachlorobenzene	ND	ug/kg	380					
Bis(2-chloroethyl)ether	ND	ug/kg	380					
2-Chloronaphthalene	ND	ug/kg	460					
1,2-Dichlorobenzene	ND	ug/kg	380					
1,3-Dichlorobenzene	ND	ug/kg	380					
1,4-Dichlorobenzene	ND	ug/kg	380					
3,3'-Dichlorobenzidine	ND	ug/kg	770					
2,4-Dinitrotoluene	ND	ug/kg	380					
2,6-Dinitrotoluene	ND	ug/kg	380					
Fluoranthene	800	ug/kg	380					
4-Chlorophenyl phenyl ether	ND	ug/kg	380					
4-Bromophenyl phenyl ether	ND	ug/kg	380					
Bis(2-chloroisopropyl)ether	ND	ug/kg	380					
Bis(2-chloroethoxy)methane	ND	ug/kg	380					
Hexachlorobutadiene	ND	ug/kg	770					
Hexachlorocyclopentadiene	ND	ug/kg	770					
Hexachloroethane	ND	ug/kg	380					
Isophorone	ND	ug/kg	380					
Naphthalene	ND	ug/kg	380					
Nitrobenzene	ND	ug/kg	380					
NitrosoDiPhenylAmine(NDPA)/DPA	ND	ug/kg	1100					
n-Nitrosodi-n-propylamine	ND	ug/kg	380					
Bis(2-Ethylhexyl)phthalate	ND	ug/kg	770					
Butyl benzyl phthalate	ND	ug/kg	380					
Di-n-butylphthalate	ND	ug/kg	380					
Di-n-octylphthalate	ND	ug/kg	380					
Diethyl phthalate	ND	ug/kg	380					
Dimethyl phthalate	ND	ug/kg	380					
Benzo(a)anthracene	430	ug/kg	380					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-02
SB-1 (0-2')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0303 21:30	0305 17:16	AK
Benzo(a)pyrene	380	ug/kg	380					
Benzo(b)fluoranthene	450	ug/kg	380					
Benzo(k)fluoranthene	ND	ug/kg	380					
Chrysene	400	ug/kg	380					
Acenaphthylene	ND	ug/kg	380					
Anthracene	ND	ug/kg	380					
Benzo(ghi)perylene	ND	ug/kg	380					
Fluorene	ND	ug/kg	380					
Phenanthrene	850	ug/kg	380					
Dibenzo(a,h)anthracene	ND	ug/kg	380					
Indeno(1,2,3-cd)Pyrene	ND	ug/kg	380					
Pyrene	820	ug/kg	380					
Biphenyl	ND	ug/kg	380					
4-Chloroaniline	ND	ug/kg	380					
2-Nitroaniline	ND	ug/kg	380					
3-Nitroaniline	ND	ug/kg	380					
4-Nitroaniline	ND	ug/kg	540					
Dibenzofuran	ND	ug/kg	380					
2-Methylnaphthalene	ND	ug/kg	380					
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	1500					
Acetophenone	ND	ug/kg	1500					
2,4,6-Trichlorophenol	ND	ug/kg	380					
P-Chloro-M-Cresol	ND	ug/kg	380					
2-Chlorophenol	ND	ug/kg	460					
2,4-Dichlorophenol	ND	ug/kg	770					
2,4-Dimethylphenol	ND	ug/kg	380					
2-Nitrophenol	ND	ug/kg	1500					
4-Nitrophenol	ND	ug/kg	770					
2,4-Dinitrophenol	ND	ug/kg	1500					
4,6-Dinitro-o-cresol	ND	ug/kg	1500					
Pentachlorophenol	ND	ug/kg	1500					
Phenol	ND	ug/kg	540					
2-Methylphenol	ND	ug/kg	460					
3-Methylphenol/4-Methylphenol	ND	ug/kg	460					
2,4,5-Trichlorophenol	ND	ug/kg	380					
Benzoic Acid	ND	ug/kg	3800					
Benzyl Alcohol	ND	ug/kg	770					
Carbazole	ND	ug/kg	380					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	72.0	%	25-120					
Phenol-d6	75.0	%	10-120					
Nitrobenzene-d5	67.0	%	23-120					
2-Fluorobiphenyl	67.0	%	30-120					
2,4,6-Tribromophenol	27.0	%	19-120					
4-Terphenyl-d14	83.0	%	18-120					
Polychlorinated Biphenyls by EPA 8082				1	8082	0303 19:00	0306 01:39	SS
Aroclor 1016	ND	ug/kg	38.3					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-02
SB-1 (0-2')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Polychlorinated Biphenyls by EPA 8082 cont'd				1	8082	0303 19:00	0306 01:39	SS
Aroclor 1221	ND	ug/kg	38.3					
Aroclor 1232	ND	ug/kg	38.3					
Aroclor 1242	ND	ug/kg	38.3					
Aroclor 1248	ND	ug/kg	38.3					
Aroclor 1254	ND	ug/kg	38.3					
Aroclor 1260	ND	ug/kg	38.3					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	74.0	%	30-150					
Decachlorobiphenyl	89.0	%	30-150					
Organochlorine Pesticides by EPA 8081A				1	8081A	0303 18:00	0305 20:44	JB
Delta-BHC	ND	ug/kg	3.83					
Lindane	ND	ug/kg	3.83					
Alpha-BHC	ND	ug/kg	3.83					
Beta-BHC	ND	ug/kg	3.83					
Heptachlor	ND	ug/kg	3.83					
Aldrin	ND	ug/kg	3.83					
Heptachlor epoxide	ND	ug/kg	3.83					
Endrin	ND	ug/kg	3.83					
Endrin ketone	ND	ug/kg	3.83					
Dieldrin	ND	ug/kg	3.83					
4,4'-DDE	ND	ug/kg	3.83					
4,4'-DDD	ND	ug/kg	3.83					
4,4'-DDT	ND	ug/kg	3.83					
Endosulfan I	ND	ug/kg	3.83					
Endosulfan II	ND	ug/kg	3.83					
Endosulfan sulfate	ND	ug/kg	3.83					
Methoxychlor	ND	ug/kg	15.3					
trans-Chlordane	ND	ug/kg	3.83					
Chlordane	ND	ug/kg	38.3					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	63.0	%	30-150					
Decachlorobiphenyl	54.0	%	30-150					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0802902-03
SB-2 (0-2')
Sample Matrix: SOIL

Date Collected: 29-FEB-2008 09:20
Date Received : 29-FEB-2008
Date Reported : 10-MAR-2008

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber,1-Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	84	%	0.10	30	2540G		0303 20:10	NM
Total Metals								
Aluminum, Total	7100	mg/kg	5.7	1	6010B	0301 13:50	0303 09:32	MG
Antimony, Total	4.0	mg/kg	2.8	1	6010B	0301 13:50	0303 09:32	MG
Arsenic, Total	11	mg/kg	0.57	1	6010B	0301 13:50	0303 09:32	MG
Barium, Total	61	mg/kg	0.57	1	6010B	0301 13:50	0303 09:32	MG
Beryllium, Total	0.31	mg/kg	0.28	1	6010B	0301 13:50	0303 09:32	MG
Cadmium, Total	ND	mg/kg	0.57	1	6010B	0301 13:50	0303 09:32	MG
Calcium, Total	10000	mg/kg	5.7	1	6010B	0301 13:50	0303 09:32	MG
Chromium, Total	12	mg/kg	0.57	1	6010B	0301 13:50	0303 09:32	MG
Cobalt, Total	7.3	mg/kg	1.1	1	6010B	0301 13:50	0303 09:32	MG
Copper, Total	59	mg/kg	0.57	1	6010B	0301 13:50	0303 09:32	MG
Iron, Total	38000	mg/kg	28	1	6010B	0301 13:50	0306 13:41	MG
Lead, Total	200	mg/kg	2.8	1	6010B	0301 13:50	0303 09:32	MG
Magnesium, Total	4900	mg/kg	5.7	1	6010B	0301 13:50	0303 09:32	MG
Manganese, Total	370	mg/kg	0.57	1	6010B	0301 13:50	0303 09:32	MG
Mercury, Total	1.2	mg/kg	0.10	1	7471A	0304 20:00	0305 10:32	DM
Nickel, Total	16	mg/kg	1.4	1	6010B	0301 13:50	0303 09:32	MG
Potassium, Total	2200	mg/kg	140	1	6010B	0301 13:50	0303 09:32	MG
Selenium, Total	ND	mg/kg	2.8	1	6010B	0301 13:50	0303 09:32	MG
Silver, Total	ND	mg/kg	0.57	1	6010B	0301 13:50	0303 09:32	MG
Sodium, Total	500	mg/kg	110	1	6010B	0301 13:50	0303 09:32	MG
Thallium, Total	ND	mg/kg	2.8	1	6010B	0301 13:50	0303 09:32	MG
Vanadium, Total	18	mg/kg	0.57	1	6010B	0301 13:50	0303 09:32	MG
Zinc, Total	70	mg/kg	2.8	1	6010B	0301 13:50	0303 09:32	MG
Volatile Organics by EPA 8260B				1	8260B		0305 13:36	GK
Methylene chloride	ND	ug/kg	30.					
1,1-Dichloroethane	ND	ug/kg	4.5					
Chloroform	ND	ug/kg	4.5					
Carbon tetrachloride	ND	ug/kg	3.0					
1,2-Dichloropropane	ND	ug/kg	10.					
Dibromochloromethane	ND	ug/kg	3.0					
1,1,2-Trichloroethane	ND	ug/kg	4.5					
Tetrachloroethene	ND	ug/kg	3.0					
Chlorobenzene	ND	ug/kg	3.0					
Trichlorofluoromethane	ND	ug/kg	15.					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-03
SB-2 (0-2')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0305 13:36	GK
1,2-Dichloroethane	ND	ug/kg	3.0					
1,1,1-Trichloroethane	ND	ug/kg	3.0					
Bromodichloromethane	ND	ug/kg	3.0					
trans-1,3-Dichloropropene	ND	ug/kg	3.0					
cis-1,3-Dichloropropene	ND	ug/kg	3.0					
1,1-Dichloropropene	ND	ug/kg	15.					
Bromoform	ND	ug/kg	12.					
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.0					
Benzene	8.4	ug/kg	3.0					
Toluene	13	ug/kg	4.5					
Ethylbenzene	ND	ug/kg	3.0					
Chloromethane	ND	ug/kg	15.					
Bromomethane	ND	ug/kg	6.0					
Vinyl chloride	ND	ug/kg	6.0					
Chloroethane	ND	ug/kg	6.0					
1,1-Dichloroethene	ND	ug/kg	3.0					
trans-1,2-Dichloroethene	ND	ug/kg	4.5					
Trichloroethene	ND	ug/kg	3.0					
1,2-Dichlorobenzene	ND	ug/kg	15.					
1,3-Dichlorobenzene	ND	ug/kg	15.					
1,4-Dichlorobenzene	ND	ug/kg	15.					
Methyl tert butyl ether	ND	ug/kg	6.0					
p/m-Xylene	ND	ug/kg	6.0					
o-Xylene	ND	ug/kg	6.0					
cis-1,2-Dichloroethene	ND	ug/kg	3.0					
Dibromomethane	ND	ug/kg	30.					
Styrene	ND	ug/kg	6.0					
Dichlorodifluoromethane	ND	ug/kg	30.					
Acetone	ND	ug/kg	30.					
Carbon disulfide	ND	ug/kg	30.					
2-Butanone	ND	ug/kg	30.					
Vinyl acetate	ND	ug/kg	30.					
4-Methyl-2-pentanone	ND	ug/kg	30.					
1,2,3-Trichloropropane	ND	ug/kg	30.					
2-Hexanone	ND	ug/kg	30.					
Bromochloromethane	ND	ug/kg	15.					
2,2-Dichloropropane	ND	ug/kg	15.					
1,2-Dibromoethane	ND	ug/kg	12.					
1,3-Dichloropropane	ND	ug/kg	15.					
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.0					
Bromobenzene	ND	ug/kg	15.					
n-Butylbenzene	ND	ug/kg	3.0					
sec-Butylbenzene	ND	ug/kg	3.0					
tert-Butylbenzene	ND	ug/kg	15.					
o-Chlorotoluene	ND	ug/kg	15.					
p-Chlorotoluene	ND	ug/kg	15.					
1,2-Dibromo-3-chloropropane	ND	ug/kg	15.					
Hexachlorobutadiene	ND	ug/kg	15.					
Isopropylbenzene	ND	ug/kg	3.0					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-03
SB-2 (0-2')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0305 13:36	GK
p-Isopropyltoluene	ND	ug/kg	3.0					
Naphthalene	ND	ug/kg	15.					
n-Propylbenzene	ND	ug/kg	3.0					
1,2,3-Trichlorobenzene	ND	ug/kg	15.					
1,2,4-Trichlorobenzene	ND	ug/kg	15.					
1,3,5-Trimethylbenzene	ND	ug/kg	15.					
1,2,4-Trimethylbenzene	ND	ug/kg	15.					
1,4-Diethylbenzene	ND	ug/kg	3.0					
4-Ethyltoluene	ND	ug/kg	3.0					
1,2,4,5-Tetramethylbenzene	ND	ug/kg	3.0					
Surrogate(s)	Recovery		QC Criteria					
1,2-Dichloroethane-d4	113	%	70-130					
Toluene-d8	106	%	70-130					
4-Bromofluorobenzene	117	%	70-130					
Dibromofluoromethane	91.0	%	70-130					
Semivolatile Organics by EPA 8270C				1	8270C	0303 21:30	0305 17:40	AK
Acenaphthene	ND	ug/kg	2000					
1,2,4-Trichlorobenzene	ND	ug/kg	2000					
Hexachlorobenzene	ND	ug/kg	2000					
Bis(2-chloroethyl)ether	ND	ug/kg	2000					
2-Chloronaphthalene	ND	ug/kg	2400					
1,2-Dichlorobenzene	ND	ug/kg	2000					
1,3-Dichlorobenzene	ND	ug/kg	2000					
1,4-Dichlorobenzene	ND	ug/kg	2000					
3,3'-Dichlorobenzidine	ND	ug/kg	4000					
2,4-Dinitrotoluene	ND	ug/kg	2000					
2,6-Dinitrotoluene	ND	ug/kg	2000					
Fluoranthene	ND	ug/kg	2000					
4-Chlorophenyl phenyl ether	ND	ug/kg	2000					
4-Bromophenyl phenyl ether	ND	ug/kg	2000					
Bis(2-chloroisopropyl)ether	ND	ug/kg	2000					
Bis(2-chloroethoxy)methane	ND	ug/kg	2000					
Hexachlorobutadiene	ND	ug/kg	4000					
Hexachlorocyclopentadiene	ND	ug/kg	4000					
Hexachloroethane	ND	ug/kg	2000					
Isophorone	ND	ug/kg	2000					
Naphthalene	2100	ug/kg	2000					
Nitrobenzene	ND	ug/kg	2000					
NitrosoDiPhenylAmine(NDPA)/DPA	ND	ug/kg	6000					
n-Nitrosodi-n-propylamine	ND	ug/kg	2000					
Bis(2-Ethylhexyl)phthalate	ND	ug/kg	4000					
Butyl benzyl phthalate	ND	ug/kg	2000					
Di-n-butylphthalate	ND	ug/kg	2000					
Di-n-octylphthalate	ND	ug/kg	2000					
Diethyl phthalate	ND	ug/kg	2000					
Dimethyl phthalate	ND	ug/kg	2000					
Benzo(a)anthracene	ND	ug/kg	2000					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-03
SB-2 (0-2')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0303 21:30	0305 17:40	AK
Benzo(a)pyrene	ND	ug/kg	2000					
Benzo(b)fluoranthene	ND	ug/kg	2000					
Benzo(k)fluoranthene	ND	ug/kg	2000					
Chrysene	ND	ug/kg	2000					
Acenaphthylene	ND	ug/kg	2000					
Anthracene	ND	ug/kg	2000					
Benzo(ghi)perylene	ND	ug/kg	2000					
Fluorene	ND	ug/kg	2000					
Phenanthrene	ND	ug/kg	2000					
Dibenzo(a,h)anthracene	ND	ug/kg	2000					
Indeno(1,2,3-cd)Pyrene	ND	ug/kg	2000					
Pyrene	ND	ug/kg	2000					
Biphenyl	ND	ug/kg	2000					
4-Chloroaniline	ND	ug/kg	2000					
2-Nitroaniline	ND	ug/kg	2000					
3-Nitroaniline	ND	ug/kg	2000					
4-Nitroaniline	ND	ug/kg	2800					
Dibenzofuran	ND	ug/kg	2000					
2-Methylnaphthalene	ND	ug/kg	2000					
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	7900					
Acetophenone	ND	ug/kg	7900					
2,4,6-Trichlorophenol	ND	ug/kg	2000					
P-Chloro-M-Cresol	ND	ug/kg	2000					
2-Chlorophenol	ND	ug/kg	2400					
2,4-Dichlorophenol	ND	ug/kg	4000					
2,4-Dimethylphenol	ND	ug/kg	2000					
2-Nitrophenol	ND	ug/kg	7900					
4-Nitrophenol	ND	ug/kg	4000					
2,4-Dinitrophenol	ND	ug/kg	7900					
4,6-Dinitro-o-cresol	ND	ug/kg	7900					
Pentachlorophenol	ND	ug/kg	7900					
Phenol	ND	ug/kg	2800					
2-Methylphenol	ND	ug/kg	2400					
3-Methylphenol/4-Methylphenol	ND	ug/kg	2400					
2,4,5-Trichlorophenol	ND	ug/kg	2000					
Benzoic Acid	ND	ug/kg	20000					
Benzyl Alcohol	ND	ug/kg	4000					
Carbazole	ND	ug/kg	2000					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	81.0	%	25-120					
Phenol-d6	89.0	%	10-120					
Nitrobenzene-d5	72.0	%	23-120					
2-Fluorobiphenyl	78.0	%	30-120					
2,4,6-Tribromophenol	95.0	%	19-120					
4-Terphenyl-d14	90.0	%	18-120					
Polychlorinated Biphenyls by EPA 8082				1	8082	0303 19:00	0305 17:05	SS
Aroclor 1016	ND	ug/kg	39.7					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-03
SB-2 (0-2')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Polychlorinated Biphenyls by EPA 8082 cont'd				1	8082	0303 19:00	0305 17:05	SS
Aroclor 1221	ND	ug/kg	39.7					
Aroclor 1232	ND	ug/kg	39.7					
Aroclor 1242	ND	ug/kg	39.7					
Aroclor 1248	ND	ug/kg	39.7					
Aroclor 1254	ND	ug/kg	39.7					
Aroclor 1260	ND	ug/kg	39.7					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	78.0	%	30-150					
Decachlorobiphenyl	84.0	%	30-150					
Organochlorine Pesticides by EPA 8081A				1	8081A	0303 18:00	0305 20:57	JB
Delta-BHC	ND	ug/kg	3.97					
Lindane	ND	ug/kg	3.97					
Alpha-BHC	ND	ug/kg	3.97					
Beta-BHC	ND	ug/kg	3.97					
Heptachlor	ND	ug/kg	3.97					
Aldrin	ND	ug/kg	3.97					
Heptachlor epoxide	ND	ug/kg	3.97					
Endrin	ND	ug/kg	3.97					
Endrin ketone	ND	ug/kg	3.97					
Dieldrin	ND	ug/kg	3.97					
4,4'-DDE	ND	ug/kg	3.97					
4,4'-DDD	ND	ug/kg	3.97					
4,4'-DDT	ND	ug/kg	3.97					
Endosulfan I	ND	ug/kg	3.97					
Endosulfan II	ND	ug/kg	3.97					
Endosulfan sulfate	ND	ug/kg	3.97					
Methoxychlor	ND	ug/kg	15.9					
trans-Chlordane	ND	ug/kg	3.97					
Chlordane	ND	ug/kg	39.7					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	37.0	%	30-150					
Decachlorobiphenyl	31.0	%	30-150					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0802902-04
SB-2 (12-14')
Sample Matrix: SOIL

Date Collected: 29-FEB-2008 09:45
Date Received : 29-FEB-2008
Date Reported : 10-MAR-2008

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber,1-Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	86	%	0.10	30	2540G		0303 20:10	NM
Total Metals								
Aluminum, Total	8800	mg/kg	5.5	1	6010B	0301 13:50	0303 09:34	MG
Antimony, Total	ND	mg/kg	2.8	1	6010B	0301 13:50	0303 09:34	MG
Arsenic, Total	2.4	mg/kg	0.55	1	6010B	0301 13:50	0303 09:34	MG
Barium, Total	33	mg/kg	0.55	1	6010B	0301 13:50	0303 09:34	MG
Beryllium, Total	0.36	mg/kg	0.28	1	6010B	0301 13:50	0303 09:34	MG
Cadmium, Total	ND	mg/kg	0.55	1	6010B	0301 13:50	0303 09:34	MG
Calcium, Total	1300	mg/kg	5.5	1	6010B	0301 13:50	0303 09:34	MG
Chromium, Total	12	mg/kg	0.55	1	6010B	0301 13:50	0303 09:34	MG
Cobalt, Total	7.8	mg/kg	1.1	1	6010B	0301 13:50	0303 09:34	MG
Copper, Total	13	mg/kg	0.55	1	6010B	0301 13:50	0303 09:34	MG
Iron, Total	21000	mg/kg	2.8	1	6010B	0301 13:50	0303 09:34	MG
Lead, Total	5.5	mg/kg	2.8	1	6010B	0301 13:50	0303 09:34	MG
Magnesium, Total	3000	mg/kg	5.5	1	6010B	0301 13:50	0303 09:34	MG
Manganese, Total	450	mg/kg	0.55	1	6010B	0301 13:50	0303 09:34	MG
Mercury, Total	ND	mg/kg	0.10	1	7471A	0304 20:00	0305 10:33	DM
Nickel, Total	16	mg/kg	1.4	1	6010B	0301 13:50	0303 09:34	MG
Potassium, Total	820	mg/kg	140	1	6010B	0301 13:50	0303 09:34	MG
Selenium, Total	ND	mg/kg	2.8	1	6010B	0301 13:50	0303 09:34	MG
Silver, Total	ND	mg/kg	0.55	1	6010B	0301 13:50	0303 09:34	MG
Sodium, Total	460	mg/kg	110	1	6010B	0301 13:50	0303 09:34	MG
Thallium, Total	ND	mg/kg	2.8	1	6010B	0301 13:50	0303 09:34	MG
Vanadium, Total	14	mg/kg	0.55	1	6010B	0301 13:50	0303 09:34	MG
Zinc, Total	45	mg/kg	2.8	1	6010B	0301 13:50	0303 09:34	MG
Volatile Organics by EPA 8260B				1	8260B		0305 14:14	GK
Methylene chloride	ND	ug/kg	5800					
1,1-Dichloroethane	ND	ug/kg	870					
Chloroform	ND	ug/kg	870					
Carbon tetrachloride	ND	ug/kg	580					
1,2-Dichloropropane	ND	ug/kg	2000					
Dibromochloromethane	ND	ug/kg	580					
1,1,2-Trichloroethane	ND	ug/kg	870					
Tetrachloroethene	ND	ug/kg	580					
Chlorobenzene	ND	ug/kg	580					
Trichlorofluoromethane	ND	ug/kg	2900					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-04
SB-2 (12-14')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0305 14:14	GK
1,2-Dichloroethane	ND	ug/kg	580					
1,1,1-Trichloroethane	ND	ug/kg	580					
Bromodichloromethane	ND	ug/kg	580					
trans-1,3-Dichloropropene	ND	ug/kg	580					
cis-1,3-Dichloropropene	ND	ug/kg	580					
1,1-Dichloropropene	ND	ug/kg	2900					
Bromoform	ND	ug/kg	2300					
1,1,2,2-Tetrachloroethane	ND	ug/kg	580					
Benzene	ND	ug/kg	580					
Toluene	ND	ug/kg	870					
Ethylbenzene	9500	ug/kg	580					
Chloromethane	ND	ug/kg	2900					
Bromomethane	ND	ug/kg	1200					
Vinyl chloride	ND	ug/kg	1200					
Chloroethane	ND	ug/kg	1200					
1,1-Dichloroethene	ND	ug/kg	580					
trans-1,2-Dichloroethene	ND	ug/kg	870					
Trichloroethene	ND	ug/kg	580					
1,2-Dichlorobenzene	ND	ug/kg	2900					
1,3-Dichlorobenzene	ND	ug/kg	2900					
1,4-Dichlorobenzene	ND	ug/kg	2900					
Methyl tert butyl ether	ND	ug/kg	1200					
p/m-Xylene	38000	ug/kg	1200					
o-Xylene	3600	ug/kg	1200					
cis-1,2-Dichloroethene	ND	ug/kg	580					
Dibromomethane	ND	ug/kg	5800					
Styrene	ND	ug/kg	1200					
Dichlorodifluoromethane	ND	ug/kg	5800					
Acetone	6100	ug/kg	5800					
Carbon disulfide	ND	ug/kg	5800					
2-Butanone	ND	ug/kg	5800					
Vinyl acetate	ND	ug/kg	5800					
4-Methyl-2-pentanone	ND	ug/kg	5800					
1,2,3-Trichloropropane	ND	ug/kg	5800					
2-Hexanone	ND	ug/kg	5800					
Bromochloromethane	ND	ug/kg	2900					
2,2-Dichloropropane	ND	ug/kg	2900					
1,2-Dibromoethane	ND	ug/kg	2300					
1,3-Dichloropropane	ND	ug/kg	2900					
1,1,1,2-Tetrachloroethane	ND	ug/kg	580					
Bromobenzene	ND	ug/kg	2900					
n-Butylbenzene	12000	ug/kg	580					
sec-Butylbenzene	4400	ug/kg	580					
tert-Butylbenzene	ND	ug/kg	2900					
o-Chlorotoluene	ND	ug/kg	2900					
p-Chlorotoluene	ND	ug/kg	2900					
1,2-Dibromo-3-chloropropane	ND	ug/kg	2900					
Hexachlorobutadiene	ND	ug/kg	2900					
Isopropylbenzene	6700	ug/kg	580					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-04
SB-2 (12-14')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0305 14:14	GK
p-Isopropyltoluene	11000	ug/kg	580					
Naphthalene	44000	ug/kg	2900					
n-Propylbenzene	11000	ug/kg	580					
1,2,3-Trichlorobenzene	ND	ug/kg	2900					
1,2,4-Trichlorobenzene	ND	ug/kg	2900					
1,3,5-Trimethylbenzene	33000	ug/kg	2900					
1,2,4-Trimethylbenzene	87000	ug/kg	2900					
1,4-Diethylbenzene	50000	ug/kg	580					
4-Ethyltoluene	63000	ug/kg	580					
1,2,4,5-Tetramethylbenzene	12000	ug/kg	580					
Surrogate(s)	Recovery		QC Criteria					
1,2-Dichloroethane-d4	98.0	%	70-130					
Toluene-d8	104	%	70-130					
4-Bromofluorobenzene	123	%	70-130					
Dibromofluoromethane	86.0	%	70-130					
Semivolatile Organics by EPA 8270C				1	8270C	0303 21:30	0305 18:04	AK
Acenaphthene	ND	ug/kg	390					
1,2,4-Trichlorobenzene	ND	ug/kg	390					
Hexachlorobenzene	ND	ug/kg	390					
Bis(2-chloroethyl)ether	ND	ug/kg	390					
2-Chloronaphthalene	ND	ug/kg	460					
1,2-Dichlorobenzene	ND	ug/kg	390					
1,3-Dichlorobenzene	ND	ug/kg	390					
1,4-Dichlorobenzene	ND	ug/kg	390					
3,3'-Dichlorobenzidine	ND	ug/kg	780					
2,4-Dinitrotoluene	ND	ug/kg	390					
2,6-Dinitrotoluene	ND	ug/kg	390					
Fluoranthene	ND	ug/kg	390					
4-Chlorophenyl phenyl ether	ND	ug/kg	390					
4-Bromophenyl phenyl ether	ND	ug/kg	390					
Bis(2-chloroisopropyl)ether	ND	ug/kg	390					
Bis(2-chloroethoxy)methane	ND	ug/kg	390					
Hexachlorobutadiene	ND	ug/kg	780					
Hexachlorocyclopentadiene	ND	ug/kg	780					
Hexachloroethane	ND	ug/kg	390					
Isophorone	ND	ug/kg	390					
Naphthalene	9900	ug/kg	390					
Nitrobenzene	ND	ug/kg	390					
NitrosoDiPhenylAmine(NDPA)/DPA	ND	ug/kg	1200					
n-Nitrosodi-n-propylamine	ND	ug/kg	390					
Bis(2-Ethylhexyl)phthalate	ND	ug/kg	780					
Butyl benzyl phthalate	ND	ug/kg	390					
Di-n-butylphthalate	ND	ug/kg	390					
Di-n-octylphthalate	ND	ug/kg	390					
Diethyl phthalate	ND	ug/kg	390					
Dimethyl phthalate	ND	ug/kg	390					
Benzo(a)anthracene	ND	ug/kg	390					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-04
SB-2 (12-14')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0303 21:30	0305 18:04	AK
Benzo(a)pyrene	ND	ug/kg	390					
Benzo(b)fluoranthene	ND	ug/kg	390					
Benzo(k)fluoranthene	ND	ug/kg	390					
Chrysene	ND	ug/kg	390					
Acenaphthylene	ND	ug/kg	390					
Anthracene	ND	ug/kg	390					
Benzo(ghi)perylene	ND	ug/kg	390					
Fluorene	ND	ug/kg	390					
Phenanthrene	530	ug/kg	390					
Dibenzo(a,h)anthracene	ND	ug/kg	390					
Indeno(1,2,3-cd)Pyrene	ND	ug/kg	390					
Pyrene	ND	ug/kg	390					
Biphenyl	ND	ug/kg	390					
4-Chloroaniline	ND	ug/kg	390					
2-Nitroaniline	ND	ug/kg	390					
3-Nitroaniline	ND	ug/kg	390					
4-Nitroaniline	ND	ug/kg	540					
Dibenzofuran	ND	ug/kg	390					
2-Methylnaphthalene	5700	ug/kg	390					
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	1600					
Acetophenone	ND	ug/kg	1600					
2,4,6-Trichlorophenol	ND	ug/kg	390					
P-Chloro-M-Cresol	ND	ug/kg	390					
2-Chlorophenol	ND	ug/kg	460					
2,4-Dichlorophenol	ND	ug/kg	780					
2,4-Dimethylphenol	ND	ug/kg	390					
2-Nitrophenol	ND	ug/kg	1600					
4-Nitrophenol	ND	ug/kg	780					
2,4-Dinitrophenol	ND	ug/kg	1600					
4,6-Dinitro-o-cresol	ND	ug/kg	1600					
Pentachlorophenol	ND	ug/kg	1600					
Phenol	ND	ug/kg	540					
2-Methylphenol	ND	ug/kg	460					
3-Methylphenol/4-Methylphenol	ND	ug/kg	460					
2,4,5-Trichlorophenol	ND	ug/kg	390					
Benzoic Acid	ND	ug/kg	3900					
Benzyl Alcohol	ND	ug/kg	780					
Carbazole	ND	ug/kg	390					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	85.0	%	25-120					
Phenol-d6	84.0	%	10-120					
Nitrobenzene-d5	86.0	%	23-120					
2-Fluorobiphenyl	67.0	%	30-120					
2,4,6-Tribromophenol	98.0	%	19-120					
4-Terphenyl-d14	97.0	%	18-120					
Polychlorinated Biphenyls by EPA 8082				1	8082	0303 19:00	0305 17:34	SS
Aroclor 1016	ND	ug/kg	38.8					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-04
SB-2 (12-14')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Polychlorinated Biphenyls by EPA 8082 cont'd				1	8082	0303 19:00	0305 17:34	SS
Aroclor 1221	ND	ug/kg	38.8					
Aroclor 1232	ND	ug/kg	38.8					
Aroclor 1242	ND	ug/kg	38.8					
Aroclor 1248	ND	ug/kg	38.8					
Aroclor 1254	ND	ug/kg	38.8					
Aroclor 1260	ND	ug/kg	38.8					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	82.0	%	30-150					
Decachlorobiphenyl	110	%	30-150					
Organochlorine Pesticides by EPA 8081A				1	8081A	0303 18:00	0305 21:11	JB
Delta-BHC	ND	ug/kg	3.88					
Lindane	ND	ug/kg	3.88					
Alpha-BHC	ND	ug/kg	3.88					
Beta-BHC	ND	ug/kg	3.88					
Heptachlor	ND	ug/kg	3.88					
Aldrin	ND	ug/kg	3.88					
Heptachlor epoxide	ND	ug/kg	3.88					
Endrin	ND	ug/kg	3.88					
Endrin ketone	ND	ug/kg	3.88					
Dieldrin	ND	ug/kg	3.88					
4,4'-DDE	ND	ug/kg	3.88					
4,4'-DDD	ND	ug/kg	3.88					
4,4'-DDT	ND	ug/kg	3.88					
Endosulfan I	ND	ug/kg	3.88					
Endosulfan II	ND	ug/kg	3.88					
Endosulfan sulfate	ND	ug/kg	3.88					
Methoxychlor	ND	ug/kg	15.5					
trans-Chlordane	ND	ug/kg	3.88					
Chlordane	ND	ug/kg	38.8					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	68.0	%	30-150					
Decachlorobiphenyl	37.0	%	30-150					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0802902-05
SB-3 (0-2')
Sample Matrix: SOIL

Date Collected: 29-FEB-2008 10:15
Date Received : 29-FEB-2008
Date Reported : 10-MAR-2008

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber,1-Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	88	%	0.10	30	2540G		0303 20:10	NM
Total Metals								
Aluminum, Total	8100	mg/kg	5.5	1	6010B	0301 13:50	0303 09:37	MG
Antimony, Total	4.6	mg/kg	2.8	1	6010B	0301 13:50	0303 09:37	MG
Arsenic, Total	9.8	mg/kg	0.55	1	6010B	0301 13:50	0303 09:37	MG
Barium, Total	180	mg/kg	0.55	1	6010B	0301 13:50	0303 09:37	MG
Beryllium, Total	0.32	mg/kg	0.28	1	6010B	0301 13:50	0303 09:37	MG
Cadmium, Total	0.80	mg/kg	0.55	1	6010B	0301 13:50	0303 09:37	MG
Calcium, Total	20000	mg/kg	55	1	6010B	0301 13:50	0306 13:44	MG
Chromium, Total	13	mg/kg	0.55	1	6010B	0301 13:50	0303 09:37	MG
Cobalt, Total	7.2	mg/kg	1.1	1	6010B	0301 13:50	0303 09:37	MG
Copper, Total	79	mg/kg	0.55	1	6010B	0301 13:50	0303 09:37	MG
Iron, Total	35000	mg/kg	28	1	6010B	0301 13:50	0306 13:44	MG
Lead, Total	1400	mg/kg	2.8	1	6010B	0301 13:50	0303 09:37	MG
Magnesium, Total	5500	mg/kg	5.5	1	6010B	0301 13:50	0303 09:37	MG
Manganese, Total	320	mg/kg	0.55	1	6010B	0301 13:50	0303 09:37	MG
Mercury, Total	0.97	mg/kg	0.08	1	7471A	0304 20:00	0305 10:35	DM
Nickel, Total	16	mg/kg	1.4	1	6010B	0301 13:50	0303 09:37	MG
Potassium, Total	1600	mg/kg	140	1	6010B	0301 13:50	0303 09:37	MG
Selenium, Total	ND	mg/kg	2.8	1	6010B	0301 13:50	0303 09:37	MG
Silver, Total	ND	mg/kg	0.55	1	6010B	0301 13:50	0303 09:37	MG
Sodium, Total	1100	mg/kg	110	1	6010B	0301 13:50	0303 09:37	MG
Thallium, Total	ND	mg/kg	2.8	1	6010B	0301 13:50	0303 09:37	MG
Vanadium, Total	20	mg/kg	0.55	1	6010B	0301 13:50	0303 09:37	MG
Zinc, Total	270	mg/kg	2.8	1	6010B	0301 13:50	0303 09:37	MG
Volatile Organics by EPA 8260B				1	8260B		0305 14:52	GK
Methylene chloride	ND	ug/kg	28.					
1,1-Dichloroethane	ND	ug/kg	4.3					
Chloroform	ND	ug/kg	4.3					
Carbon tetrachloride	ND	ug/kg	2.8					
1,2-Dichloropropane	ND	ug/kg	9.9					
Dibromochloromethane	ND	ug/kg	2.8					
1,1,2-Trichloroethane	ND	ug/kg	4.3					
Tetrachloroethene	ND	ug/kg	2.8					
Chlorobenzene	ND	ug/kg	2.8					
Trichlorofluoromethane	ND	ug/kg	14.					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-05
SB-3 (0-2')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0305 14:52	GK
1,2-Dichloroethane	ND	ug/kg	2.8					
1,1,1-Trichloroethane	ND	ug/kg	2.8					
Bromodichloromethane	ND	ug/kg	2.8					
trans-1,3-Dichloropropene	ND	ug/kg	2.8					
cis-1,3-Dichloropropene	ND	ug/kg	2.8					
1,1-Dichloropropene	ND	ug/kg	14.					
Bromoform	ND	ug/kg	11.					
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.8					
Benzene	ND	ug/kg	2.8					
Toluene	ND	ug/kg	4.3					
Ethylbenzene	ND	ug/kg	2.8					
Chloromethane	ND	ug/kg	14.					
Bromomethane	ND	ug/kg	5.7					
Vinyl chloride	ND	ug/kg	5.7					
Chloroethane	ND	ug/kg	5.7					
1,1-Dichloroethene	ND	ug/kg	2.8					
trans-1,2-Dichloroethene	ND	ug/kg	4.3					
Trichloroethene	ND	ug/kg	2.8					
1,2-Dichlorobenzene	ND	ug/kg	14.					
1,3-Dichlorobenzene	ND	ug/kg	14.					
1,4-Dichlorobenzene	ND	ug/kg	14.					
Methyl tert butyl ether	ND	ug/kg	5.7					
p/m-Xylene	ND	ug/kg	5.7					
o-Xylene	ND	ug/kg	5.7					
cis-1,2-Dichloroethene	ND	ug/kg	2.8					
Dibromomethane	ND	ug/kg	28.					
Styrene	ND	ug/kg	5.7					
Dichlorodifluoromethane	ND	ug/kg	28.					
Acetone	ND	ug/kg	28.					
Carbon disulfide	ND	ug/kg	28.					
2-Butanone	ND	ug/kg	28.					
Vinyl acetate	ND	ug/kg	28.					
4-Methyl-2-pentanone	ND	ug/kg	28.					
1,2,3-Trichloropropane	ND	ug/kg	28.					
2-Hexanone	ND	ug/kg	28.					
Bromochloromethane	ND	ug/kg	14.					
2,2-Dichloropropane	ND	ug/kg	14.					
1,2-Dibromoethane	ND	ug/kg	11.					
1,3-Dichloropropane	ND	ug/kg	14.					
1,1,1,2-Tetrachloroethane	ND	ug/kg	2.8					
Bromobenzene	ND	ug/kg	14.					
n-Butylbenzene	ND	ug/kg	2.8					
sec-Butylbenzene	ND	ug/kg	2.8					
tert-Butylbenzene	ND	ug/kg	14.					
o-Chlorotoluene	ND	ug/kg	14.					
p-Chlorotoluene	ND	ug/kg	14.					
1,2-Dibromo-3-chloropropane	ND	ug/kg	14.					
Hexachlorobutadiene	ND	ug/kg	14.					
Isopropylbenzene	ND	ug/kg	2.8					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-05
SB-3 (0-2')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0305 14:52	GK
p-Isopropyltoluene	ND	ug/kg	2.8					
Naphthalene	18	ug/kg	14					
n-Propylbenzene	ND	ug/kg	2.8					
1,2,3-Trichlorobenzene	ND	ug/kg	14.					
1,2,4-Trichlorobenzene	ND	ug/kg	14.					
1,3,5-Trimethylbenzene	ND	ug/kg	14.					
1,2,4-Trimethylbenzene	ND	ug/kg	14.					
1,4-Diethylbenzene	ND	ug/kg	2.8					
4-Ethyltoluene	ND	ug/kg	2.8					
1,2,4,5-Tetramethylbenzene	ND	ug/kg	2.8					
Surrogate(s)	Recovery		QC Criteria					
1,2-Dichloroethane-d4	134	%	70-130					
Toluene-d8	104	%	70-130					
4-Bromofluorobenzene	115	%	70-130					
Dibromofluoromethane	96.0	%	70-130					
Volatile Organics by EPA 8260B				1	8260B		0306 14:39	GK
Methylene chloride	ND	ug/kg	28.					
1,1-Dichloroethane	ND	ug/kg	4.3					
Chloroform	ND	ug/kg	4.3					
Carbon tetrachloride	ND	ug/kg	2.8					
1,2-Dichloropropane	ND	ug/kg	9.9					
Dibromochloromethane	ND	ug/kg	2.8					
1,1,2-Trichloroethane	ND	ug/kg	4.3					
Tetrachloroethene	ND	ug/kg	2.8					
Chlorobenzene	ND	ug/kg	2.8					
Trichlorofluoromethane	ND	ug/kg	14.					
1,2-Dichloroethane	ND	ug/kg	2.8					
1,1,1-Trichloroethane	ND	ug/kg	2.8					
Bromodichloromethane	ND	ug/kg	2.8					
trans-1,3-Dichloropropene	ND	ug/kg	2.8					
cis-1,3-Dichloropropene	ND	ug/kg	2.8					
1,1-Dichloropropene	ND	ug/kg	14.					
Bromoform	ND	ug/kg	11.					
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.8					
Benzene	ND	ug/kg	2.8					
Toluene	ND	ug/kg	4.3					
Ethylbenzene	ND	ug/kg	2.8					
Chloromethane	ND	ug/kg	14.					
Bromomethane	ND	ug/kg	5.7					
Vinyl chloride	ND	ug/kg	5.7					
Chloroethane	ND	ug/kg	5.7					
1,1-Dichloroethene	ND	ug/kg	2.8					
trans-1,2-Dichloroethene	ND	ug/kg	4.3					
Trichloroethene	ND	ug/kg	2.8					
1,2-Dichlorobenzene	ND	ug/kg	14.					
1,3-Dichlorobenzene	ND	ug/kg	14.					
1,4-Dichlorobenzene	ND	ug/kg	14.					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-05
SB-3 (0-2')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0306 14:39	GK
Methyl tert butyl ether	ND	ug/kg	5.7					
p/m-Xylene	ND	ug/kg	5.7					
o-Xylene	ND	ug/kg	5.7					
cis-1,2-Dichloroethene	ND	ug/kg	2.8					
Dibromomethane	ND	ug/kg	28.					
Styrene	ND	ug/kg	5.7					
Dichlorodifluoromethane	ND	ug/kg	28.					
Acetone	ND	ug/kg	28.					
Carbon disulfide	ND	ug/kg	28.					
2-Butanone	ND	ug/kg	28.					
Vinyl acetate	ND	ug/kg	28.					
4-Methyl-2-pentanone	ND	ug/kg	28.					
1,2,3-Trichloropropane	ND	ug/kg	28.					
2-Hexanone	ND	ug/kg	28.					
Bromochloromethane	ND	ug/kg	14.					
2,2-Dichloropropane	ND	ug/kg	14.					
1,2-Dibromoethane	ND	ug/kg	11.					
1,3-Dichloropropane	ND	ug/kg	14.					
1,1,1,2-Tetrachloroethane	ND	ug/kg	2.8					
Bromobenzene	ND	ug/kg	14.					
n-Butylbenzene	ND	ug/kg	2.8					
sec-Butylbenzene	ND	ug/kg	2.8					
tert-Butylbenzene	ND	ug/kg	14.					
o-Chlorotoluene	ND	ug/kg	14.					
p-Chlorotoluene	ND	ug/kg	14.					
1,2-Dibromo-3-chloropropane	ND	ug/kg	14.					
Hexachlorobutadiene	ND	ug/kg	14.					
Isopropylbenzene	ND	ug/kg	2.8					
p-Isopropyltoluene	ND	ug/kg	2.8					
Naphthalene	39	ug/kg	14					
n-Propylbenzene	ND	ug/kg	2.8					
1,2,3-Trichlorobenzene	ND	ug/kg	14.					
1,2,4-Trichlorobenzene	ND	ug/kg	14.					
1,3,5-Trimethylbenzene	ND	ug/kg	14.					
1,2,4-Trimethylbenzene	ND	ug/kg	14.					
1,4-Diethylbenzene	ND	ug/kg	2.8					
4-Ethyltoluene	ND	ug/kg	2.8					
1,2,4,5-Tetramethylbenzene	ND	ug/kg	2.8					
Surrogate(s)	Recovery		QC Criteria					
1,2-Dichloroethane-d4	137	%	70-130					
Toluene-d8	108	%	70-130					
4-Bromofluorobenzene	116	%	70-130					
Dibromofluoromethane	115	%	70-130					
Semivolatile Organics by EPA 8270C				1	8270C	0303 21:30	0305 18:28	AK
Acenaphthene	ND	ug/kg	9500					
1,2,4-Trichlorobenzene	ND	ug/kg	9500					
Hexachlorobenzene	ND	ug/kg	9500					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-05
SB-3 (0-2')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0303 21:30	0305 18:28	AK
Bis(2-chloroethyl)ether	ND	ug/kg	9500					
2-Chloronaphthalene	ND	ug/kg	11000					
1,2-Dichlorobenzene	ND	ug/kg	9500					
1,3-Dichlorobenzene	ND	ug/kg	9500					
1,4-Dichlorobenzene	ND	ug/kg	9500					
3,3'-Dichlorobenzidine	ND	ug/kg	19000					
2,4-Dinitrotoluene	ND	ug/kg	9500					
2,6-Dinitrotoluene	ND	ug/kg	9500					
Fluoranthene	49000	ug/kg	9500					
4-Chlorophenyl phenyl ether	ND	ug/kg	9500					
4-Bromophenyl phenyl ether	ND	ug/kg	9500					
Bis(2-chloroisopropyl)ether	ND	ug/kg	9500					
Bis(2-chloroethoxy)methane	ND	ug/kg	9500					
Hexachlorobutadiene	ND	ug/kg	19000					
Hexachlorocyclopentadiene	ND	ug/kg	19000					
Hexachloroethane	ND	ug/kg	9500					
Isophorone	ND	ug/kg	9500					
Naphthalene	ND	ug/kg	9500					
Nitrobenzene	ND	ug/kg	9500					
NitrosoDiPhenylAmine(NDPA)/DPA	ND	ug/kg	28000					
n-Nitrosodi-n-propylamine	ND	ug/kg	9500					
Bis(2-Ethylhexyl)phthalate	ND	ug/kg	19000					
Butyl benzyl phthalate	ND	ug/kg	9500					
Di-n-butylphthalate	ND	ug/kg	9500					
Di-n-octylphthalate	ND	ug/kg	9500					
Diethyl phthalate	ND	ug/kg	9500					
Dimethyl phthalate	ND	ug/kg	9500					
Benzo(a)anthracene	26000	ug/kg	9500					
Benzo(a)pyrene	23000	ug/kg	9500					
Benzo(b)fluoranthene	28000	ug/kg	9500					
Benzo(k)fluoranthene	ND	ug/kg	9500					
Chrysene	23000	ug/kg	9500					
Acenaphthylene	ND	ug/kg	9500					
Anthracene	16000	ug/kg	9500					
Benzo(ghi)perylene	14000	ug/kg	9500					
Fluorene	ND	ug/kg	9500					
Phenanthrene	51000	ug/kg	9500					
Dibenzo(a,h)anthracene	ND	ug/kg	9500					
Indeno(1,2,3-cd)Pyrene	12000	ug/kg	9500					
Pyrene	40000	ug/kg	9500					
Biphenyl	ND	ug/kg	9500					
4-Chloroaniline	ND	ug/kg	9500					
2-Nitroaniline	ND	ug/kg	9500					
3-Nitroaniline	ND	ug/kg	9500					
4-Nitroaniline	ND	ug/kg	13000					
Dibenzofuran	ND	ug/kg	9500					
2-Methylnaphthalene	ND	ug/kg	9500					
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	38000					
Acetophenone	ND	ug/kg	38000					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-05
SB-3 (0-2')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0303 21:30	0305 18:28	AK
2,4,6-Trichlorophenol	ND	ug/kg	9500					
P-Chloro-M-Cresol	ND	ug/kg	9500					
2-Chlorophenol	ND	ug/kg	11000					
2,4-Dichlorophenol	ND	ug/kg	19000					
2,4-Dimethylphenol	ND	ug/kg	9500					
2-Nitrophenol	ND	ug/kg	38000					
4-Nitrophenol	ND	ug/kg	19000					
2,4-Dinitrophenol	ND	ug/kg	38000					
4,6-Dinitro-o-cresol	ND	ug/kg	38000					
Pentachlorophenol	ND	ug/kg	38000					
Phenol	ND	ug/kg	13000					
2-Methylphenol	ND	ug/kg	11000					
3-Methylphenol/4-Methylphenol	ND	ug/kg	11000					
2,4,5-Trichlorophenol	ND	ug/kg	9500					
Benzoic Acid	ND	ug/kg	95000					
Benzyl Alcohol	ND	ug/kg	19000					
Carbazole	ND	ug/kg	9500					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	ND	%	25-120					
Phenol-d6	ND	%	10-120					
Nitrobenzene-d5	ND	%	23-120					
2-Fluorobiphenyl	ND	%	30-120					
2,4,6-Tribromophenol	ND	%	19-120					
4-Terphenyl-d14	ND	%	18-120					
Polychlorinated Biphenyls by EPA 8082				1	8082	0303 19:00	0305 18:02	SS
Aroclor 1016	ND	ug/kg	75.8					
Aroclor 1221	ND	ug/kg	75.8					
Aroclor 1232	ND	ug/kg	75.8					
Aroclor 1242	ND	ug/kg	75.8					
Aroclor 1248	ND	ug/kg	75.8					
Aroclor 1254	ND	ug/kg	75.8					
Aroclor 1260	ND	ug/kg	75.8					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	72.0	%	30-150					
Decachlorobiphenyl	88.0	%	30-150					
Organochlorine Pesticides by EPA 8081A				1	8081A	0303 18:00	0305 23:12	JB
Delta-BHC	ND	ug/kg	18.9					
Lindane	ND	ug/kg	18.9					
Alpha-BHC	ND	ug/kg	18.9					
Beta-BHC	ND	ug/kg	18.9					
Heptachlor	ND	ug/kg	18.9					
Aldrin	ND	ug/kg	18.9					
Heptachlor epoxide	ND	ug/kg	18.9					
Endrin	ND	ug/kg	18.9					
Endrin ketone	ND	ug/kg	18.9					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-05
SB-3 (0-2')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Organochlorine Pesticides by EPA 8081A cont'd				1	8081A	0303 18:00	0305 23:12	JB
Dieldrin	ND	ug/kg	18.9					
4,4'-DDE	ND	ug/kg	18.9					
4,4'-DDD	ND	ug/kg	18.9					
4,4'-DDT	ND	ug/kg	18.9					
Endosulfan I	ND	ug/kg	18.9					
Endosulfan II	ND	ug/kg	18.9					
Endosulfan sulfate	ND	ug/kg	18.9					
Methoxychlor	ND	ug/kg	75.8					
trans-Chlordane	ND	ug/kg	18.9					
Chlordane	ND	ug/kg	189.					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	71.0	%	30-150					
Decachlorobiphenyl	54.0	%	30-150					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0802902-06
SB-4 (0-3')
Sample Matrix: SOIL

Date Collected: 29-FEB-2008 10:30
Date Received : 29-FEB-2008
Date Reported : 10-MAR-2008

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber,1-Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	89	%	0.10	30	2540G		0303 20:10	NM
Total Metals								
Aluminum, Total	9000	mg/kg	5.3	1	6010B	0301 13:50	0303 09:40	MG
Antimony, Total	ND	mg/kg	2.6	1	6010B	0301 13:50	0303 09:40	MG
Arsenic, Total	2.1	mg/kg	0.53	1	6010B	0301 13:50	0303 09:40	MG
Barium, Total	40	mg/kg	0.53	1	6010B	0301 13:50	0303 09:40	MG
Beryllium, Total	0.46	mg/kg	0.26	1	6010B	0301 13:50	0303 09:40	MG
Cadmium, Total	ND	mg/kg	0.53	1	6010B	0301 13:50	0303 09:40	MG
Calcium, Total	1900	mg/kg	5.3	1	6010B	0301 13:50	0303 09:40	MG
Chromium, Total	14	mg/kg	0.53	1	6010B	0301 13:50	0303 09:40	MG
Cobalt, Total	7.2	mg/kg	1.0	1	6010B	0301 13:50	0303 09:40	MG
Copper, Total	26	mg/kg	0.53	1	6010B	0301 13:50	0303 09:40	MG
Iron, Total	11000	mg/kg	2.6	1	6010B	0301 13:50	0303 09:40	MG
Lead, Total	9.2	mg/kg	2.6	1	6010B	0301 13:50	0303 09:40	MG
Magnesium, Total	3000	mg/kg	5.3	1	6010B	0301 13:50	0303 09:40	MG
Manganese, Total	280	mg/kg	0.53	1	6010B	0301 13:50	0303 09:40	MG
Mercury, Total	ND	mg/kg	0.09	1	7471A	0304 20:00	0305 10:37	DM
Nickel, Total	19	mg/kg	1.3	1	6010B	0301 13:50	0303 09:40	MG
Potassium, Total	1000	mg/kg	130	1	6010B	0301 13:50	0303 09:40	MG
Selenium, Total	ND	mg/kg	2.6	1	6010B	0301 13:50	0303 09:40	MG
Silver, Total	ND	mg/kg	0.53	1	6010B	0301 13:50	0303 09:40	MG
Sodium, Total	480	mg/kg	100	1	6010B	0301 13:50	0303 09:40	MG
Thallium, Total	ND	mg/kg	2.6	1	6010B	0301 13:50	0303 09:40	MG
Vanadium, Total	19	mg/kg	0.53	1	6010B	0301 13:50	0303 09:40	MG
Zinc, Total	62	mg/kg	2.6	1	6010B	0301 13:50	0303 09:40	MG
Volatile Organics by EPA 8260B				1	8260B		0305 15:30	GK
Methylene chloride	ND	ug/kg	28.					
1,1-Dichloroethane	ND	ug/kg	4.2					
Chloroform	ND	ug/kg	4.2					
Carbon tetrachloride	ND	ug/kg	2.8					
1,2-Dichloropropane	ND	ug/kg	9.8					
Dibromochloromethane	ND	ug/kg	2.8					
1,1,2-Trichloroethane	ND	ug/kg	4.2					
Tetrachloroethene	ND	ug/kg	2.8					
Chlorobenzene	ND	ug/kg	2.8					
Trichlorofluoromethane	ND	ug/kg	14.					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-06
SB-4 (0-3')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0305 15:30	GK
1,2-Dichloroethane	ND	ug/kg	2.8					
1,1,1-Trichloroethane	ND	ug/kg	2.8					
Bromodichloromethane	ND	ug/kg	2.8					
trans-1,3-Dichloropropene	ND	ug/kg	2.8					
cis-1,3-Dichloropropene	ND	ug/kg	2.8					
1,1-Dichloropropene	ND	ug/kg	14.					
Bromoform	ND	ug/kg	11.					
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.8					
Benzene	ND	ug/kg	2.8					
Toluene	ND	ug/kg	4.2					
Ethylbenzene	ND	ug/kg	2.8					
Chloromethane	ND	ug/kg	14.					
Bromomethane	ND	ug/kg	5.6					
Vinyl chloride	ND	ug/kg	5.6					
Chloroethane	ND	ug/kg	5.6					
1,1-Dichloroethene	ND	ug/kg	2.8					
trans-1,2-Dichloroethene	ND	ug/kg	4.2					
Trichloroethene	ND	ug/kg	2.8					
1,2-Dichlorobenzene	ND	ug/kg	14.					
1,3-Dichlorobenzene	ND	ug/kg	14.					
1,4-Dichlorobenzene	ND	ug/kg	14.					
Methyl tert butyl ether	ND	ug/kg	5.6					
p/m-Xylene	ND	ug/kg	5.6					
o-Xylene	ND	ug/kg	5.6					
cis-1,2-Dichloroethene	ND	ug/kg	2.8					
Dibromomethane	ND	ug/kg	28.					
Styrene	ND	ug/kg	5.6					
Dichlorodifluoromethane	ND	ug/kg	28.					
Acetone	ND	ug/kg	28.					
Carbon disulfide	ND	ug/kg	28.					
2-Butanone	ND	ug/kg	28.					
Vinyl acetate	ND	ug/kg	28.					
4-Methyl-2-pentanone	ND	ug/kg	28.					
1,2,3-Trichloropropane	ND	ug/kg	28.					
2-Hexanone	ND	ug/kg	28.					
Bromochloromethane	ND	ug/kg	14.					
2,2-Dichloropropane	ND	ug/kg	14.					
1,2-Dibromoethane	ND	ug/kg	11.					
1,3-Dichloropropane	ND	ug/kg	14.					
1,1,1,2-Tetrachloroethane	ND	ug/kg	2.8					
Bromobenzene	ND	ug/kg	14.					
n-Butylbenzene	ND	ug/kg	2.8					
sec-Butylbenzene	ND	ug/kg	2.8					
tert-Butylbenzene	ND	ug/kg	14.					
o-Chlorotoluene	ND	ug/kg	14.					
p-Chlorotoluene	ND	ug/kg	14.					
1,2-Dibromo-3-chloropropane	ND	ug/kg	14.					
Hexachlorobutadiene	ND	ug/kg	14.					
Isopropylbenzene	ND	ug/kg	2.8					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-06
SB-4 (0-3')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0305 15:30	GK
p-Isopropyltoluene	ND	ug/kg	2.8					
Naphthalene	ND	ug/kg	14.					
n-Propylbenzene	ND	ug/kg	2.8					
1,2,3-Trichlorobenzene	ND	ug/kg	14.					
1,2,4-Trichlorobenzene	ND	ug/kg	14.					
1,3,5-Trimethylbenzene	ND	ug/kg	14.					
1,2,4-Trimethylbenzene	ND	ug/kg	14.					
1,4-Diethylbenzene	ND	ug/kg	2.8					
4-Ethyltoluene	ND	ug/kg	2.8					
1,2,4,5-Tetramethylbenzene	ND	ug/kg	2.8					
Surrogate(s)	Recovery		QC Criteria					
1,2-Dichloroethane-d4	129	%	70-130					
Toluene-d8	97.0	%	70-130					
4-Bromofluorobenzene	106	%	70-130					
Dibromofluoromethane	88.0	%	70-130					
Semivolatile Organics by EPA 8270C				1	8270C	0303 21:30	0305 18:52	AK
Acenaphthene	ND	ug/kg	9400					
1,2,4-Trichlorobenzene	ND	ug/kg	9400					
Hexachlorobenzene	ND	ug/kg	9400					
Bis(2-chloroethyl)ether	ND	ug/kg	9400					
2-Chloronaphthalene	ND	ug/kg	11000					
1,2-Dichlorobenzene	ND	ug/kg	9400					
1,3-Dichlorobenzene	ND	ug/kg	9400					
1,4-Dichlorobenzene	ND	ug/kg	9400					
3,3'-Dichlorobenzidine	ND	ug/kg	19000					
2,4-Dinitrotoluene	ND	ug/kg	9400					
2,6-Dinitrotoluene	ND	ug/kg	9400					
Fluoranthene	ND	ug/kg	9400					
4-Chlorophenyl phenyl ether	ND	ug/kg	9400					
4-Bromophenyl phenyl ether	ND	ug/kg	9400					
Bis(2-chloroisopropyl)ether	ND	ug/kg	9400					
Bis(2-chloroethoxy)methane	ND	ug/kg	9400					
Hexachlorobutadiene	ND	ug/kg	19000					
Hexachlorocyclopentadiene	ND	ug/kg	19000					
Hexachloroethane	ND	ug/kg	9400					
Isophorone	ND	ug/kg	9400					
Naphthalene	ND	ug/kg	9400					
Nitrobenzene	ND	ug/kg	9400					
NitrosoDiPhenylAmine(NDPA)/DPA	ND	ug/kg	28000					
n-Nitrosodi-n-propylamine	ND	ug/kg	9400					
Bis(2-Ethylhexyl)phthalate	ND	ug/kg	19000					
Butyl benzyl phthalate	ND	ug/kg	9400					
Di-n-butylphthalate	ND	ug/kg	9400					
Di-n-octylphthalate	ND	ug/kg	9400					
Diethyl phthalate	ND	ug/kg	9400					
Dimethyl phthalate	ND	ug/kg	9400					
Benzo(a)anthracene	ND	ug/kg	9400					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-06
SB-4 (0-3')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0303 21:30	0305 18:52	AK
Benzo(a)pyrene	ND	ug/kg	9400					
Benzo(b)fluoranthene	ND	ug/kg	9400					
Benzo(k)fluoranthene	ND	ug/kg	9400					
Chrysene	ND	ug/kg	9400					
Acenaphthylene	ND	ug/kg	9400					
Anthracene	ND	ug/kg	9400					
Benzo(ghi)perylene	ND	ug/kg	9400					
Fluorene	ND	ug/kg	9400					
Phenanthrene	ND	ug/kg	9400					
Dibenzo(a,h)anthracene	ND	ug/kg	9400					
Indeno(1,2,3-cd)Pyrene	ND	ug/kg	9400					
Pyrene	ND	ug/kg	9400					
Biphenyl	ND	ug/kg	9400					
4-Chloroaniline	ND	ug/kg	9400					
2-Nitroaniline	ND	ug/kg	9400					
3-Nitroaniline	ND	ug/kg	9400					
4-Nitroaniline	ND	ug/kg	13000					
Dibenzofuran	ND	ug/kg	9400					
2-Methylnaphthalene	ND	ug/kg	9400					
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	37000					
Acetophenone	ND	ug/kg	37000					
2,4,6-Trichlorophenol	ND	ug/kg	9400					
P-Chloro-M-Cresol	ND	ug/kg	9400					
2-Chlorophenol	ND	ug/kg	11000					
2,4-Dichlorophenol	ND	ug/kg	19000					
2,4-Dimethylphenol	ND	ug/kg	9400					
2-Nitrophenol	ND	ug/kg	37000					
4-Nitrophenol	ND	ug/kg	19000					
2,4-Dinitrophenol	ND	ug/kg	37000					
4,6-Dinitro-o-cresol	ND	ug/kg	37000					
Pentachlorophenol	ND	ug/kg	37000					
Phenol	ND	ug/kg	13000					
2-Methylphenol	ND	ug/kg	11000					
3-Methylphenol/4-Methylphenol	ND	ug/kg	11000					
2,4,5-Trichlorophenol	ND	ug/kg	9400					
Benzoic Acid	ND	ug/kg	94000					
Benzyl Alcohol	ND	ug/kg	19000					
Carbazole	ND	ug/kg	9400					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	ND	%	25-120					
Phenol-d6	ND	%	10-120					
Nitrobenzene-d5	ND	%	23-120					
2-Fluorobiphenyl	ND	%	30-120					
2,4,6-Tribromophenol	ND	%	19-120					
4-Terphenyl-d14	ND	%	18-120					
Polychlorinated Biphenyls by EPA 8082				1	8082	0303 19:00	0305 18:31	SS
Aroclor 1016	ND	ug/kg	37.4					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-06
SB-4 (0-3')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Polychlorinated Biphenyls by EPA 8082 cont'd				1	8082	0303 19:00	0305 18:31	SS
Aroclor 1221	ND	ug/kg	37.4					
Aroclor 1232	ND	ug/kg	37.4					
Aroclor 1242	ND	ug/kg	37.4					
Aroclor 1248	ND	ug/kg	37.4					
Aroclor 1254	ND	ug/kg	37.4					
Aroclor 1260	ND	ug/kg	37.4					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	69.0	%	30-150					
Decachlorobiphenyl	92.0	%	30-150					
Organochlorine Pesticides by EPA 8081A				1	8081A	0303 18:00	0305 23:26	JB
Delta-BHC	ND	ug/kg	3.74					
Lindane	ND	ug/kg	3.74					
Alpha-BHC	ND	ug/kg	3.74					
Beta-BHC	ND	ug/kg	3.74					
Heptachlor	ND	ug/kg	3.74					
Aldrin	ND	ug/kg	3.74					
Heptachlor epoxide	ND	ug/kg	3.74					
Endrin	ND	ug/kg	3.74					
Endrin ketone	ND	ug/kg	3.74					
Dieldrin	ND	ug/kg	3.74					
4,4'-DDE	ND	ug/kg	3.74					
4,4'-DDD	ND	ug/kg	3.74					
4,4'-DDT	ND	ug/kg	3.74					
Endosulfan I	ND	ug/kg	3.74					
Endosulfan II	ND	ug/kg	3.74					
Endosulfan sulfate	ND	ug/kg	3.74					
Methoxychlor	ND	ug/kg	15.0					
trans-Chlordane	ND	ug/kg	3.74					
Chlordane	ND	ug/kg	37.4					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	43.0	%	30-150					
Decachlorobiphenyl	30.0	%	30-150					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0802902-07
SB-4 (5-7')
Sample Matrix: SOIL

Date Collected: 29-FEB-2008 10:45
Date Received : 29-FEB-2008
Date Reported : 10-MAR-2008

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber,1-Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	93	%	0.10	30	2540G		0303 20:10	NM
Total Metals								
Aluminum, Total	7200	mg/kg	5.2	1	6010B	0301 13:50	0303 10:30	MG
Antimony, Total	ND	mg/kg	2.6	1	6010B	0301 13:50	0303 10:30	MG
Arsenic, Total	1.1	mg/kg	0.52	1	6010B	0301 13:50	0303 10:30	MG
Barium, Total	80	mg/kg	0.52	1	6010B	0301 13:50	0303 10:30	MG
Beryllium, Total	0.41	mg/kg	0.26	1	6010B	0301 13:50	0303 10:30	MG
Cadmium, Total	ND	mg/kg	0.52	1	6010B	0301 13:50	0303 10:30	MG
Calcium, Total	1900	mg/kg	5.2	1	6010B	0301 13:50	0303 10:30	MG
Chromium, Total	32	mg/kg	0.52	1	6010B	0301 13:50	0303 10:30	MG
Cobalt, Total	6.6	mg/kg	1.0	1	6010B	0301 13:50	0303 10:30	MG
Copper, Total	24	mg/kg	0.52	1	6010B	0301 13:50	0303 10:30	MG
Iron, Total	8800	mg/kg	2.6	1	6010B	0301 13:50	0303 10:30	MG
Lead, Total	5.2	mg/kg	2.6	1	6010B	0301 13:50	0303 10:30	MG
Magnesium, Total	3600	mg/kg	5.2	1	6010B	0301 13:50	0303 10:30	MG
Manganese, Total	620	mg/kg	0.52	1	6010B	0301 13:50	0303 10:30	MG
Mercury, Total	ND	mg/kg	0.08	1	7471A	0304 20:00	0305 10:39	DM
Nickel, Total	20	mg/kg	1.3	1	6010B	0301 13:50	0303 10:30	MG
Potassium, Total	760	mg/kg	130	1	6010B	0301 13:50	0303 10:30	MG
Selenium, Total	ND	mg/kg	2.6	1	6010B	0301 13:50	0303 10:30	MG
Silver, Total	ND	mg/kg	0.52	1	6010B	0301 13:50	0303 10:30	MG
Sodium, Total	390	mg/kg	100	1	6010B	0301 13:50	0303 10:30	MG
Thallium, Total	ND	mg/kg	2.6	1	6010B	0301 13:50	0303 10:30	MG
Vanadium, Total	17	mg/kg	0.52	1	6010B	0301 13:50	0303 10:30	MG
Zinc, Total	25	mg/kg	2.6	1	6010B	0301 13:50	0303 10:30	MG
Volatile Organics by EPA 8260B				1	8260B		0306 15:19	GK
Methylene chloride	ND	ug/kg	27.					
1,1-Dichloroethane	ND	ug/kg	4.0					
Chloroform	ND	ug/kg	4.0					
Carbon tetrachloride	ND	ug/kg	2.7					
1,2-Dichloropropane	ND	ug/kg	9.4					
Dibromochloromethane	ND	ug/kg	2.7					
1,1,2-Trichloroethane	ND	ug/kg	4.0					
Tetrachloroethene	ND	ug/kg	2.7					
Chlorobenzene	ND	ug/kg	2.7					
Trichlorofluoromethane	ND	ug/kg	13.					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-07
SB-4 (5-7')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0306 15:19	GK
1,2-Dichloroethane	ND	ug/kg	2.7					
1,1,1-Trichloroethane	ND	ug/kg	2.7					
Bromodichloromethane	ND	ug/kg	2.7					
trans-1,3-Dichloropropene	ND	ug/kg	2.7					
cis-1,3-Dichloropropene	ND	ug/kg	2.7					
1,1-Dichloropropene	ND	ug/kg	13.					
Bromoform	ND	ug/kg	11.					
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.7					
Benzene	ND	ug/kg	2.7					
Toluene	ND	ug/kg	4.0					
Ethylbenzene	ND	ug/kg	2.7					
Chloromethane	ND	ug/kg	13.					
Bromomethane	ND	ug/kg	5.4					
Vinyl chloride	ND	ug/kg	5.4					
Chloroethane	ND	ug/kg	5.4					
1,1-Dichloroethene	ND	ug/kg	2.7					
trans-1,2-Dichloroethene	ND	ug/kg	4.0					
Trichloroethene	ND	ug/kg	2.7					
1,2-Dichlorobenzene	ND	ug/kg	13.					
1,3-Dichlorobenzene	ND	ug/kg	13.					
1,4-Dichlorobenzene	ND	ug/kg	13.					
Methyl tert butyl ether	ND	ug/kg	5.4					
p/m-Xylene	ND	ug/kg	5.4					
o-Xylene	ND	ug/kg	5.4					
cis-1,2-Dichloroethene	ND	ug/kg	2.7					
Dibromomethane	ND	ug/kg	27.					
Styrene	ND	ug/kg	5.4					
Dichlorodifluoromethane	ND	ug/kg	27.					
Acetone	ND	ug/kg	27.					
Carbon disulfide	ND	ug/kg	27.					
2-Butanone	ND	ug/kg	27.					
Vinyl acetate	ND	ug/kg	27.					
4-Methyl-2-pentanone	ND	ug/kg	27.					
1,2,3-Trichloropropane	ND	ug/kg	27.					
2-Hexanone	ND	ug/kg	27.					
Bromochloromethane	ND	ug/kg	13.					
2,2-Dichloropropane	ND	ug/kg	13.					
1,2-Dibromoethane	ND	ug/kg	11.					
1,3-Dichloropropane	ND	ug/kg	13.					
1,1,1,2-Tetrachloroethane	ND	ug/kg	2.7					
Bromobenzene	ND	ug/kg	13.					
n-Butylbenzene	ND	ug/kg	2.7					
sec-Butylbenzene	ND	ug/kg	2.7					
tert-Butylbenzene	ND	ug/kg	13.					
o-Chlorotoluene	ND	ug/kg	13.					
p-Chlorotoluene	ND	ug/kg	13.					
1,2-Dibromo-3-chloropropane	ND	ug/kg	13.					
Hexachlorobutadiene	ND	ug/kg	13.					
Isopropylbenzene	ND	ug/kg	2.7					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-07
SB-4 (5-7')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0306 15:19	GK
p-Isopropyltoluene	ND	ug/kg	2.7					
Naphthalene	ND	ug/kg	13.					
n-Propylbenzene	ND	ug/kg	2.7					
1,2,3-Trichlorobenzene	ND	ug/kg	13.					
1,2,4-Trichlorobenzene	ND	ug/kg	13.					
1,3,5-Trimethylbenzene	ND	ug/kg	13.					
1,2,4-Trimethylbenzene	ND	ug/kg	13.					
1,4-Diethylbenzene	ND	ug/kg	2.7					
4-Ethyltoluene	ND	ug/kg	2.7					
1,2,4,5-Tetramethylbenzene	ND	ug/kg	2.7					
Surrogate(s)	Recovery		QC Criteria					
1,2-Dichloroethane-d4	126	%	70-130					
Toluene-d8	107	%	70-130					
4-Bromofluorobenzene	131	%	70-130					
Dibromofluoromethane	112	%	70-130					
Semivolatile Organics by EPA 8270C				1	8270C	0303 21:30	0305 19:16	AK
Acenaphthene	ND	ug/kg	9000					
1,2,4-Trichlorobenzene	ND	ug/kg	9000					
Hexachlorobenzene	ND	ug/kg	9000					
Bis(2-chloroethyl)ether	ND	ug/kg	9000					
2-Chloronaphthalene	ND	ug/kg	11000					
1,2-Dichlorobenzene	ND	ug/kg	9000					
1,3-Dichlorobenzene	ND	ug/kg	9000					
1,4-Dichlorobenzene	ND	ug/kg	9000					
3,3'-Dichlorobenzidine	ND	ug/kg	18000					
2,4-Dinitrotoluene	ND	ug/kg	9000					
2,6-Dinitrotoluene	ND	ug/kg	9000					
Fluoranthene	ND	ug/kg	9000					
4-Chlorophenyl phenyl ether	ND	ug/kg	9000					
4-Bromophenyl phenyl ether	ND	ug/kg	9000					
Bis(2-chloroisopropyl)ether	ND	ug/kg	9000					
Bis(2-chloroethoxy)methane	ND	ug/kg	9000					
Hexachlorobutadiene	ND	ug/kg	18000					
Hexachlorocyclopentadiene	ND	ug/kg	18000					
Hexachloroethane	ND	ug/kg	9000					
Isophorone	ND	ug/kg	9000					
Naphthalene	ND	ug/kg	9000					
Nitrobenzene	ND	ug/kg	9000					
NitrosoDiPhenylAmine(NDPA)/DPA	ND	ug/kg	27000					
n-Nitrosodi-n-propylamine	ND	ug/kg	9000					
Bis(2-Ethylhexyl)phthalate	ND	ug/kg	18000					
Butyl benzyl phthalate	ND	ug/kg	9000					
Di-n-butylphthalate	ND	ug/kg	9000					
Di-n-octylphthalate	ND	ug/kg	9000					
Diethyl phthalate	ND	ug/kg	9000					
Dimethyl phthalate	ND	ug/kg	9000					
Benzo(a)anthracene	ND	ug/kg	9000					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-07
SB-4 (5-7')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0303 21:30	0305 19:16	AK
Benzo(a)pyrene	ND	ug/kg	9000					
Benzo(b)fluoranthene	ND	ug/kg	9000					
Benzo(k)fluoranthene	ND	ug/kg	9000					
Chrysene	ND	ug/kg	9000					
Acenaphthylene	ND	ug/kg	9000					
Anthracene	ND	ug/kg	9000					
Benzo(ghi)perylene	ND	ug/kg	9000					
Fluorene	ND	ug/kg	9000					
Phenanthrene	ND	ug/kg	9000					
Dibenzo(a,h)anthracene	ND	ug/kg	9000					
Indeno(1,2,3-cd)Pyrene	ND	ug/kg	9000					
Pyrene	ND	ug/kg	9000					
Biphenyl	ND	ug/kg	9000					
4-Chloroaniline	ND	ug/kg	9000					
2-Nitroaniline	ND	ug/kg	9000					
3-Nitroaniline	ND	ug/kg	9000					
4-Nitroaniline	ND	ug/kg	12000					
Dibenzofuran	ND	ug/kg	9000					
2-Methylnaphthalene	ND	ug/kg	9000					
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	36000					
Acetophenone	ND	ug/kg	36000					
2,4,6-Trichlorophenol	ND	ug/kg	9000					
P-Chloro-M-Cresol	ND	ug/kg	9000					
2-Chlorophenol	ND	ug/kg	11000					
2,4-Dichlorophenol	ND	ug/kg	18000					
2,4-Dimethylphenol	ND	ug/kg	9000					
2-Nitrophenol	ND	ug/kg	36000					
4-Nitrophenol	ND	ug/kg	18000					
2,4-Dinitrophenol	ND	ug/kg	36000					
4,6-Dinitro-o-cresol	ND	ug/kg	36000					
Pentachlorophenol	ND	ug/kg	36000					
Phenol	ND	ug/kg	12000					
2-Methylphenol	ND	ug/kg	11000					
3-Methylphenol/4-Methylphenol	ND	ug/kg	11000					
2,4,5-Trichlorophenol	ND	ug/kg	9000					
Benzoic Acid	ND	ug/kg	90000					
Benzyl Alcohol	ND	ug/kg	18000					
Carbazole	ND	ug/kg	9000					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	ND	%	25-120					
Phenol-d6	ND	%	10-120					
Nitrobenzene-d5	ND	%	23-120					
2-Fluorobiphenyl	ND	%	30-120					
2,4,6-Tribromophenol	ND	%	19-120					
4-Terphenyl-d14	ND	%	18-120					
Polychlorinated Biphenyls by EPA 8082				1	8082	0303 19:00	0305 22:47	SS
Aroclor 1016	ND	ug/kg	35.8					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-07
SB-4 (5-7')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Polychlorinated Biphenyls by EPA 8082 cont'd				1	8082	0303 19:00	0305 22:47	SS
Aroclor 1221	ND	ug/kg	35.8					
Aroclor 1232	ND	ug/kg	35.8					
Aroclor 1242	ND	ug/kg	35.8					
Aroclor 1248	ND	ug/kg	35.8					
Aroclor 1254	ND	ug/kg	35.8					
Aroclor 1260	ND	ug/kg	35.8					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	72.0	%	30-150					
Decachlorobiphenyl	96.0	%	30-150					
Organochlorine Pesticides by EPA 8081A				1	8081A	0303 18:00	0305 23:39	JB
Delta-BHC	ND	ug/kg	3.58					
Lindane	ND	ug/kg	3.58					
Alpha-BHC	ND	ug/kg	3.58					
Beta-BHC	ND	ug/kg	3.58					
Heptachlor	ND	ug/kg	3.58					
Aldrin	ND	ug/kg	3.58					
Heptachlor epoxide	ND	ug/kg	3.58					
Endrin	ND	ug/kg	3.58					
Endrin ketone	ND	ug/kg	3.58					
Dieldrin	ND	ug/kg	3.58					
4,4'-DDE	ND	ug/kg	3.58					
4,4'-DDD	ND	ug/kg	3.58					
4,4'-DDT	ND	ug/kg	3.58					
Endosulfan I	ND	ug/kg	3.58					
Endosulfan II	ND	ug/kg	3.58					
Endosulfan sulfate	ND	ug/kg	3.58					
Methoxychlor	ND	ug/kg	14.3					
trans-Chlordane	ND	ug/kg	3.58					
Chlordane	ND	ug/kg	35.8					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	49.0	%	30-150					
Decachlorobiphenyl	39.0	%	30-150					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0802902-08
SB-5 (0-3')
Sample Matrix: SOIL

Date Collected: 29-FEB-2008 11:00
Date Received : 29-FEB-2008
Date Reported : 10-MAR-2008

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber,1-Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	92	%	0.10	30	2540G		0303 20:10	NM
Total Metals								
Aluminum, Total	11000	mg/kg	5.3	1	6010B	0301 13:50	0303 10:33	MG
Antimony, Total	ND	mg/kg	2.6	1	6010B	0301 13:50	0303 10:33	MG
Arsenic, Total	4.5	mg/kg	0.53	1	6010B	0301 13:50	0303 10:33	MG
Barium, Total	60	mg/kg	0.53	1	6010B	0301 13:50	0303 10:33	MG
Beryllium, Total	0.50	mg/kg	0.26	1	6010B	0301 13:50	0303 10:33	MG
Cadmium, Total	1.2	mg/kg	0.53	1	6010B	0301 13:50	0303 10:33	MG
Calcium, Total	9500	mg/kg	5.3	1	6010B	0301 13:50	0303 10:33	MG
Chromium, Total	14	mg/kg	0.53	1	6010B	0301 13:50	0303 10:33	MG
Cobalt, Total	10	mg/kg	1.0	1	6010B	0301 13:50	0303 10:33	MG
Copper, Total	46	mg/kg	0.53	1	6010B	0301 13:50	0303 10:33	MG
Iron, Total	20000	mg/kg	2.6	1	6010B	0301 13:50	0303 10:33	MG
Lead, Total	130	mg/kg	2.6	1	6010B	0301 13:50	0303 10:33	MG
Magnesium, Total	6400	mg/kg	5.3	1	6010B	0301 13:50	0303 10:33	MG
Manganese, Total	310	mg/kg	0.53	1	6010B	0301 13:50	0303 10:33	MG
Mercury, Total	0.16	mg/kg	0.09	1	7471A	0304 20:00	0305 10:44	DM
Nickel, Total	32	mg/kg	1.3	1	6010B	0301 13:50	0303 10:33	MG
Potassium, Total	1500	mg/kg	130	1	6010B	0301 13:50	0303 10:33	MG
Selenium, Total	ND	mg/kg	2.6	1	6010B	0301 13:50	0303 10:33	MG
Silver, Total	ND	mg/kg	0.53	1	6010B	0301 13:50	0303 10:33	MG
Sodium, Total	1700	mg/kg	100	1	6010B	0301 13:50	0303 10:33	MG
Thallium, Total	ND	mg/kg	2.6	1	6010B	0301 13:50	0303 10:33	MG
Vanadium, Total	18	mg/kg	0.53	1	6010B	0301 13:50	0303 10:33	MG
Zinc, Total	430	mg/kg	2.6	1	6010B	0301 13:50	0303 10:33	MG
Volatile Organics by EPA 8260B				1	8260B		0305 16:45	GK
Methylene chloride	ND	ug/kg	27.					
1,1-Dichloroethane	ND	ug/kg	4.1					
Chloroform	ND	ug/kg	4.1					
Carbon tetrachloride	ND	ug/kg	2.7					
1,2-Dichloropropane	ND	ug/kg	9.5					
Dibromochloromethane	ND	ug/kg	2.7					
1,1,2-Trichloroethane	ND	ug/kg	4.1					
Tetrachloroethene	ND	ug/kg	2.7					
Chlorobenzene	ND	ug/kg	2.7					
Trichlorofluoromethane	ND	ug/kg	14.					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-08
SB-5 (0-3')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0305 16:45	GK
1,2-Dichloroethane	ND	ug/kg	2.7					
1,1,1-Trichloroethane	ND	ug/kg	2.7					
Bromodichloromethane	ND	ug/kg	2.7					
trans-1,3-Dichloropropene	ND	ug/kg	2.7					
cis-1,3-Dichloropropene	ND	ug/kg	2.7					
1,1-Dichloropropene	ND	ug/kg	14.					
Bromoform	ND	ug/kg	11.					
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.7					
Benzene	ND	ug/kg	2.7					
Toluene	ND	ug/kg	4.1					
Ethylbenzene	ND	ug/kg	2.7					
Chloromethane	ND	ug/kg	14.					
Bromomethane	ND	ug/kg	5.4					
Vinyl chloride	ND	ug/kg	5.4					
Chloroethane	ND	ug/kg	5.4					
1,1-Dichloroethene	ND	ug/kg	2.7					
trans-1,2-Dichloroethene	ND	ug/kg	4.1					
Trichloroethene	ND	ug/kg	2.7					
1,2-Dichlorobenzene	ND	ug/kg	14.					
1,3-Dichlorobenzene	ND	ug/kg	14.					
1,4-Dichlorobenzene	ND	ug/kg	14.					
Methyl tert butyl ether	ND	ug/kg	5.4					
p/m-Xylene	ND	ug/kg	5.4					
o-Xylene	ND	ug/kg	5.4					
cis-1,2-Dichloroethene	ND	ug/kg	2.7					
Dibromomethane	ND	ug/kg	27.					
Styrene	ND	ug/kg	5.4					
Dichlorodifluoromethane	ND	ug/kg	27.					
Acetone	ND	ug/kg	27.					
Carbon disulfide	ND	ug/kg	27.					
2-Butanone	ND	ug/kg	27.					
Vinyl acetate	ND	ug/kg	27.					
4-Methyl-2-pentanone	ND	ug/kg	27.					
1,2,3-Trichloropropane	ND	ug/kg	27.					
2-Hexanone	ND	ug/kg	27.					
Bromochloromethane	ND	ug/kg	14.					
2,2-Dichloropropane	ND	ug/kg	14.					
1,2-Dibromoethane	ND	ug/kg	11.					
1,3-Dichloropropane	ND	ug/kg	14.					
1,1,1,2-Tetrachloroethane	ND	ug/kg	2.7					
Bromobenzene	ND	ug/kg	14.					
n-Butylbenzene	ND	ug/kg	2.7					
sec-Butylbenzene	ND	ug/kg	2.7					
tert-Butylbenzene	ND	ug/kg	14.					
o-Chlorotoluene	ND	ug/kg	14.					
p-Chlorotoluene	ND	ug/kg	14.					
1,2-Dibromo-3-chloropropane	ND	ug/kg	14.					
Hexachlorobutadiene	ND	ug/kg	14.					
Isopropylbenzene	ND	ug/kg	2.7					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-08
SB-5 (0-3')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0305 16:45	GK
p-Isopropyltoluene	ND	ug/kg	2.7					
Naphthalene	ND	ug/kg	14.					
n-Propylbenzene	ND	ug/kg	2.7					
1,2,3-Trichlorobenzene	ND	ug/kg	14.					
1,2,4-Trichlorobenzene	ND	ug/kg	14.					
1,3,5-Trimethylbenzene	ND	ug/kg	14.					
1,2,4-Trimethylbenzene	ND	ug/kg	14.					
1,4-Diethylbenzene	ND	ug/kg	2.7					
4-Ethyltoluene	ND	ug/kg	2.7					
1,2,4,5-Tetramethylbenzene	ND	ug/kg	2.7					
Surrogate(s)	Recovery		QC Criteria					
1,2-Dichloroethane-d4	129	%	70-130					
Toluene-d8	103	%	70-130					
4-Bromofluorobenzene	109	%	70-130					
Dibromofluoromethane	88.0	%	70-130					
Semivolatile Organics by EPA 8270C				1	8270C	0303 21:30	0305 19:40	AK
Acenaphthene	ND	ug/kg	360					
1,2,4-Trichlorobenzene	ND	ug/kg	360					
Hexachlorobenzene	ND	ug/kg	360					
Bis(2-chloroethyl)ether	ND	ug/kg	360					
2-Chloronaphthalene	ND	ug/kg	430					
1,2-Dichlorobenzene	ND	ug/kg	360					
1,3-Dichlorobenzene	ND	ug/kg	360					
1,4-Dichlorobenzene	ND	ug/kg	360					
3,3'-Dichlorobenzidine	ND	ug/kg	720					
2,4-Dinitrotoluene	ND	ug/kg	360					
2,6-Dinitrotoluene	ND	ug/kg	360					
Fluoranthene	450	ug/kg	360					
4-Chlorophenyl phenyl ether	ND	ug/kg	360					
4-Bromophenyl phenyl ether	ND	ug/kg	360					
Bis(2-chloroisopropyl)ether	ND	ug/kg	360					
Bis(2-chloroethoxy)methane	ND	ug/kg	360					
Hexachlorobutadiene	ND	ug/kg	720					
Hexachlorocyclopentadiene	ND	ug/kg	720					
Hexachloroethane	ND	ug/kg	360					
Isophorone	ND	ug/kg	360					
Naphthalene	ND	ug/kg	360					
Nitrobenzene	ND	ug/kg	360					
NitrosoDiPhenylAmine(NDPA)/DPA	ND	ug/kg	1100					
n-Nitrosodi-n-propylamine	ND	ug/kg	360					
Bis(2-Ethylhexyl)phthalate	ND	ug/kg	720					
Butyl benzyl phthalate	ND	ug/kg	360					
Di-n-butylphthalate	ND	ug/kg	360					
Di-n-octylphthalate	ND	ug/kg	360					
Diethyl phthalate	ND	ug/kg	360					
Dimethyl phthalate	ND	ug/kg	360					
Benzo(a)anthracene	360	ug/kg	360					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-08
SB-5 (0-3')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0303 21:30	0305 19:40	AK
Benzo(a)pyrene	380	ug/kg	360					
Benzo(b)fluoranthene	560	ug/kg	360					
Benzo(k)fluoranthene	ND	ug/kg	360					
Chrysene	360	ug/kg	360					
Acenaphthylene	ND	ug/kg	360					
Anthracene	ND	ug/kg	360					
Benzo(ghi)perylene	ND	ug/kg	360					
Fluorene	ND	ug/kg	360					
Phenanthrene	ND	ug/kg	360					
Dibenzo(a,h)anthracene	ND	ug/kg	360					
Indeno(1,2,3-cd)Pyrene	ND	ug/kg	360					
Pyrene	430	ug/kg	360					
Biphenyl	ND	ug/kg	360					
4-Chloroaniline	ND	ug/kg	360					
2-Nitroaniline	ND	ug/kg	360					
3-Nitroaniline	ND	ug/kg	360					
4-Nitroaniline	ND	ug/kg	510					
Dibenzofuran	ND	ug/kg	360					
2-Methylnaphthalene	ND	ug/kg	360					
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	1400					
Acetophenone	ND	ug/kg	1400					
2,4,6-Trichlorophenol	ND	ug/kg	360					
P-Chloro-M-Cresol	ND	ug/kg	360					
2-Chlorophenol	ND	ug/kg	430					
2,4-Dichlorophenol	ND	ug/kg	720					
2,4-Dimethylphenol	ND	ug/kg	360					
2-Nitrophenol	ND	ug/kg	1400					
4-Nitrophenol	ND	ug/kg	720					
2,4-Dinitrophenol	ND	ug/kg	1400					
4,6-Dinitro-o-cresol	ND	ug/kg	1400					
Pentachlorophenol	ND	ug/kg	1400					
Phenol	ND	ug/kg	510					
2-Methylphenol	ND	ug/kg	430					
3-Methylphenol/4-Methylphenol	ND	ug/kg	430					
2,4,5-Trichlorophenol	ND	ug/kg	360					
Benzoic Acid	ND	ug/kg	3600					
Benzyl Alcohol	ND	ug/kg	720					
Carbazole	ND	ug/kg	360					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	68.0	%	25-120					
Phenol-d6	75.0	%	10-120					
Nitrobenzene-d5	63.0	%	23-120					
2-Fluorobiphenyl	72.0	%	30-120					
2,4,6-Tribromophenol	78.0	%	19-120					
4-Terphenyl-d14	87.0	%	18-120					
Polychlorinated Biphenyls by EPA 8082				1	8082	0303 19:00	0305 23:16	SS
Aroclor 1016	ND	ug/kg	36.2					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-08
SB-5 (0-3')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Polychlorinated Biphenyls by EPA 8082 cont'd				1	8082	0303 19:00	0305 23:16	SS
Aroclor 1221	ND	ug/kg	36.2					
Aroclor 1232	ND	ug/kg	36.2					
Aroclor 1242	ND	ug/kg	36.2					
Aroclor 1248	ND	ug/kg	36.2					
Aroclor 1254	ND	ug/kg	36.2					
Aroclor 1260	ND	ug/kg	36.2					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	83.0	%	30-150					
Decachlorobiphenyl	90.0	%	30-150					
Organochlorine Pesticides by EPA 8081A				1	8081A	0303 18:00	0305 21:24	JB
Delta-BHC	ND	ug/kg	3.62					
Lindane	ND	ug/kg	3.62					
Alpha-BHC	ND	ug/kg	3.62					
Beta-BHC	ND	ug/kg	3.62					
Heptachlor	ND	ug/kg	3.62					
Aldrin	ND	ug/kg	3.62					
Heptachlor epoxide	ND	ug/kg	3.62					
Endrin	ND	ug/kg	3.62					
Endrin ketone	ND	ug/kg	3.62					
Dieldrin	ND	ug/kg	3.62					
4,4'-DDE	ND	ug/kg	3.62					
4,4'-DDD	ND	ug/kg	3.62					
4,4'-DDT	ND	ug/kg	3.62					
Endosulfan I	ND	ug/kg	3.62					
Endosulfan II	ND	ug/kg	3.62					
Endosulfan sulfate	ND	ug/kg	3.62					
Methoxychlor	ND	ug/kg	14.5					
trans-Chlordane	ND	ug/kg	3.62					
Chlordane	ND	ug/kg	36.2					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	71.0	%	30-150					
Decachlorobiphenyl	55.0	%	30-150					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0802902-09
SB-5 (5-7')
Sample Matrix: SOIL

Date Collected: 29-FEB-2008 11:15
Date Received : 29-FEB-2008
Date Reported : 10-MAR-2008

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber,1-Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	94	%	0.10	30	2540G		0303 20:10	NM
Total Metals								
Aluminum, Total	5700	mg/kg	4.9	1	6010B	0301 13:50	0303 10:35	MG
Antimony, Total	ND	mg/kg	2.4	1	6010B	0301 13:50	0303 10:35	MG
Arsenic, Total	3.7	mg/kg	0.49	1	6010B	0301 13:50	0303 10:35	MG
Barium, Total	99	mg/kg	0.49	1	6010B	0301 13:50	0303 10:35	MG
Beryllium, Total	0.33	mg/kg	0.24	1	6010B	0301 13:50	0303 10:35	MG
Cadmium, Total	0.93	mg/kg	0.49	1	6010B	0301 13:50	0303 10:35	MG
Calcium, Total	40000	mg/kg	49	1	6010B	0301 13:50	0306 13:47	MG
Chromium, Total	8.8	mg/kg	0.49	1	6010B	0301 13:50	0303 10:35	MG
Cobalt, Total	3.3	mg/kg	0.98	1	6010B	0301 13:50	0303 10:35	MG
Copper, Total	25	mg/kg	0.49	1	6010B	0301 13:50	0303 10:35	MG
Iron, Total	10000	mg/kg	2.4	1	6010B	0301 13:50	0303 10:35	MG
Lead, Total	220	mg/kg	2.4	1	6010B	0301 13:50	0303 10:35	MG
Magnesium, Total	4300	mg/kg	4.9	1	6010B	0301 13:50	0303 10:35	MG
Manganese, Total	240	mg/kg	0.49	1	6010B	0301 13:50	0303 10:35	MG
Mercury, Total	0.16	mg/kg	0.09	1	7471A	0304 20:00	0305 10:46	DM
Nickel, Total	8.5	mg/kg	1.2	1	6010B	0301 13:50	0303 10:35	MG
Potassium, Total	1200	mg/kg	120	1	6010B	0301 13:50	0303 10:35	MG
Selenium, Total	ND	mg/kg	2.4	1	6010B	0301 13:50	0303 10:35	MG
Silver, Total	ND	mg/kg	0.49	1	6010B	0301 13:50	0303 10:35	MG
Sodium, Total	860	mg/kg	98	1	6010B	0301 13:50	0303 10:35	MG
Thallium, Total	ND	mg/kg	2.4	1	6010B	0301 13:50	0303 10:35	MG
Vanadium, Total	11	mg/kg	0.49	1	6010B	0301 13:50	0303 10:35	MG
Zinc, Total	180	mg/kg	2.4	1	6010B	0301 13:50	0303 10:35	MG
Volatile Organics by EPA 8260B				1	8260B		0305 17:23	GK
Methylene chloride	ND	ug/kg	26.					
1,1-Dichloroethane	ND	ug/kg	4.0					
Chloroform	ND	ug/kg	4.0					
Carbon tetrachloride	ND	ug/kg	2.6					
1,2-Dichloropropane	ND	ug/kg	9.3					
Dibromochloromethane	ND	ug/kg	2.6					
1,1,2-Trichloroethane	ND	ug/kg	4.0					
Tetrachloroethene	ND	ug/kg	2.6					
Chlorobenzene	ND	ug/kg	2.6					
Trichlorofluoromethane	ND	ug/kg	13.					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-09
SB-5 (5-7')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1 8260B		0305 17:23	GK
1,2-Dichloroethane	ND	ug/kg	2.6				
1,1,1-Trichloroethane	ND	ug/kg	2.6				
Bromodichloromethane	ND	ug/kg	2.6				
trans-1,3-Dichloropropene	ND	ug/kg	2.6				
cis-1,3-Dichloropropene	ND	ug/kg	2.6				
1,1-Dichloropropene	ND	ug/kg	13.				
Bromoform	ND	ug/kg	11.				
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.6				
Benzene	ND	ug/kg	2.6				
Toluene	ND	ug/kg	4.0				
Ethylbenzene	ND	ug/kg	2.6				
Chloromethane	ND	ug/kg	13.				
Bromomethane	ND	ug/kg	5.3				
Vinyl chloride	ND	ug/kg	5.3				
Chloroethane	ND	ug/kg	5.3				
1,1-Dichloroethene	ND	ug/kg	2.6				
trans-1,2-Dichloroethene	ND	ug/kg	4.0				
Trichloroethene	ND	ug/kg	2.6				
1,2-Dichlorobenzene	ND	ug/kg	13.				
1,3-Dichlorobenzene	ND	ug/kg	13.				
1,4-Dichlorobenzene	ND	ug/kg	13.				
Methyl tert butyl ether	ND	ug/kg	5.3				
p/m-Xylene	ND	ug/kg	5.3				
o-Xylene	ND	ug/kg	5.3				
cis-1,2-Dichloroethene	ND	ug/kg	2.6				
Dibromomethane	ND	ug/kg	26.				
Styrene	ND	ug/kg	5.3				
Dichlorodifluoromethane	ND	ug/kg	26.				
Acetone	31	ug/kg	26				
Carbon disulfide	ND	ug/kg	26.				
2-Butanone	ND	ug/kg	26.				
Vinyl acetate	ND	ug/kg	26.				
4-Methyl-2-pentanone	ND	ug/kg	26.				
1,2,3-Trichloropropane	ND	ug/kg	26.				
2-Hexanone	ND	ug/kg	26.				
Bromochloromethane	ND	ug/kg	13.				
2,2-Dichloropropane	ND	ug/kg	13.				
1,2-Dibromoethane	ND	ug/kg	11.				
1,3-Dichloropropane	ND	ug/kg	13.				
1,1,1,2-Tetrachloroethane	ND	ug/kg	2.6				
Bromobenzene	ND	ug/kg	13.				
n-Butylbenzene	ND	ug/kg	2.6				
sec-Butylbenzene	ND	ug/kg	2.6				
tert-Butylbenzene	ND	ug/kg	13.				
o-Chlorotoluene	ND	ug/kg	13.				
p-Chlorotoluene	ND	ug/kg	13.				
1,2-Dibromo-3-chloropropane	ND	ug/kg	13.				
Hexachlorobutadiene	ND	ug/kg	13.				
Isopropylbenzene	ND	ug/kg	2.6				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-09
SB-5 (5-7')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0305 17:23	GK
p-Isopropyltoluene	ND	ug/kg	2.6					
Naphthalene	ND	ug/kg	13.					
n-Propylbenzene	ND	ug/kg	2.6					
1,2,3-Trichlorobenzene	ND	ug/kg	13.					
1,2,4-Trichlorobenzene	ND	ug/kg	13.					
1,3,5-Trimethylbenzene	ND	ug/kg	13.					
1,2,4-Trimethylbenzene	ND	ug/kg	13.					
1,4-Diethylbenzene	ND	ug/kg	2.6					
4-Ethyltoluene	ND	ug/kg	2.6					
1,2,4,5-Tetramethylbenzene	ND	ug/kg	2.6					
Surrogate(s)	Recovery		QC Criteria					
1,2-Dichloroethane-d4	122	%	70-130					
Toluene-d8	97.0	%	70-130					
4-Bromofluorobenzene	105	%	70-130					
Dibromofluoromethane	81.0	%	70-130					
Semivolatile Organics by EPA 8270C				1	8270C	0303 21:30	0306 13:00	AK
Acenaphthene	ND	ug/kg	3500					
1,2,4-Trichlorobenzene	ND	ug/kg	3500					
Hexachlorobenzene	ND	ug/kg	3500					
Bis(2-chloroethyl)ether	ND	ug/kg	3500					
2-Chloronaphthalene	ND	ug/kg	4200					
1,2-Dichlorobenzene	ND	ug/kg	3500					
1,3-Dichlorobenzene	ND	ug/kg	3500					
1,4-Dichlorobenzene	ND	ug/kg	3500					
3,3'-Dichlorobenzidine	ND	ug/kg	7100					
2,4-Dinitrotoluene	ND	ug/kg	3500					
2,6-Dinitrotoluene	ND	ug/kg	3500					
Fluoranthene	ND	ug/kg	3500					
4-Chlorophenyl phenyl ether	ND	ug/kg	3500					
4-Bromophenyl phenyl ether	ND	ug/kg	3500					
Bis(2-chloroisopropyl)ether	ND	ug/kg	3500					
Bis(2-chloroethoxy)methane	ND	ug/kg	3500					
Hexachlorobutadiene	ND	ug/kg	7100					
Hexachlorocyclopentadiene	ND	ug/kg	7100					
Hexachloroethane	ND	ug/kg	3500					
Isophorone	ND	ug/kg	3500					
Naphthalene	ND	ug/kg	3500					
Nitrobenzene	ND	ug/kg	3500					
NitrosoDiPhenylAmine(NDPA)/DPA	ND	ug/kg	11000					
n-Nitrosodi-n-propylamine	ND	ug/kg	3500					
Bis(2-Ethylhexyl)phthalate	ND	ug/kg	7100					
Butyl benzyl phthalate	ND	ug/kg	3500					
Di-n-butylphthalate	ND	ug/kg	3500					
Di-n-octylphthalate	ND	ug/kg	3500					
Diethyl phthalate	ND	ug/kg	3500					
Dimethyl phthalate	ND	ug/kg	3500					
Benzo(a)anthracene	ND	ug/kg	3500					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-09
SB-5 (5-7')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0303 21:30	0306 13:00	AK
Benzo(a)pyrene	ND	ug/kg	3500					
Benzo(b)fluoranthene	ND	ug/kg	3500					
Benzo(k)fluoranthene	ND	ug/kg	3500					
Chrysene	ND	ug/kg	3500					
Acenaphthylene	ND	ug/kg	3500					
Anthracene	ND	ug/kg	3500					
Benzo(ghi)perylene	ND	ug/kg	3500					
Fluorene	ND	ug/kg	3500					
Phenanthrene	ND	ug/kg	3500					
Dibenzo(a,h)anthracene	ND	ug/kg	3500					
Indeno(1,2,3-cd)Pyrene	ND	ug/kg	3500					
Pyrene	ND	ug/kg	3500					
Biphenyl	ND	ug/kg	3500					
4-Chloroaniline	ND	ug/kg	3500					
2-Nitroaniline	ND	ug/kg	3500					
3-Nitroaniline	ND	ug/kg	3500					
4-Nitroaniline	ND	ug/kg	5000					
Dibenzofuran	ND	ug/kg	3500					
2-Methylnaphthalene	ND	ug/kg	3500					
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	14000					
Acetophenone	ND	ug/kg	14000					
2,4,6-Trichlorophenol	ND	ug/kg	3500					
P-Chloro-M-Cresol	ND	ug/kg	3500					
2-Chlorophenol	ND	ug/kg	4200					
2,4-Dichlorophenol	ND	ug/kg	7100					
2,4-Dimethylphenol	ND	ug/kg	3500					
2-Nitrophenol	ND	ug/kg	14000					
4-Nitrophenol	ND	ug/kg	7100					
2,4-Dinitrophenol	ND	ug/kg	14000					
4,6-Dinitro-o-cresol	ND	ug/kg	14000					
Pentachlorophenol	ND	ug/kg	14000					
Phenol	ND	ug/kg	5000					
2-Methylphenol	ND	ug/kg	4200					
3-Methylphenol/4-Methylphenol	ND	ug/kg	4200					
2,4,5-Trichlorophenol	ND	ug/kg	3500					
Benzoic Acid	ND	ug/kg	35000					
Benzyl Alcohol	ND	ug/kg	7100					
Carbazole	ND	ug/kg	3500					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	71.0	%	25-120					
Phenol-d6	95.0	%	10-120					
Nitrobenzene-d5	88.0	%	23-120					
2-Fluorobiphenyl	86.0	%	30-120					
2,4,6-Tribromophenol	41.0	%	19-120					
4-Terphenyl-d14	84.0	%	18-120					
Polychlorinated Biphenyls by EPA 8082				1	8082	0303 19:00	0305 23:45	SS
Aroclor 1016	ND	ug/kg	35.5					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-09
SB-5 (5-7')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Polychlorinated Biphenyls by EPA 8082 cont'd				1	8082	0303 19:00	0305 23:45	SS
Aroclor 1221	ND	ug/kg	35.5					
Aroclor 1232	ND	ug/kg	35.5					
Aroclor 1242	ND	ug/kg	35.5					
Aroclor 1248	ND	ug/kg	35.5					
Aroclor 1254	ND	ug/kg	35.5					
Aroclor 1260	ND	ug/kg	35.5					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	82.0	%	30-150					
Decachlorobiphenyl	87.0	%	30-150					
Organochlorine Pesticides by EPA 8081A				1	8081A	0303 18:00	0305 21:38	JB
Delta-BHC	ND	ug/kg	3.55					
Lindane	ND	ug/kg	3.55					
Alpha-BHC	ND	ug/kg	3.55					
Beta-BHC	ND	ug/kg	3.55					
Heptachlor	ND	ug/kg	3.55					
Aldrin	ND	ug/kg	3.55					
Heptachlor epoxide	ND	ug/kg	3.55					
Endrin	ND	ug/kg	3.55					
Endrin ketone	ND	ug/kg	3.55					
Dieldrin	ND	ug/kg	3.55					
4,4'-DDE	ND	ug/kg	3.55					
4,4'-DDD	ND	ug/kg	3.55					
4,4'-DDT	ND	ug/kg	3.55					
Endosulfan I	ND	ug/kg	3.55					
Endosulfan II	ND	ug/kg	3.55					
Endosulfan sulfate	ND	ug/kg	3.55					
Methoxychlor	ND	ug/kg	14.2					
trans-Chlordane	ND	ug/kg	3.55					
Chlordane	ND	ug/kg	35.5					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	61.0	%	30-150					
Decachlorobiphenyl	56.0	%	30-150					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0802902-10
FD-1
Sample Matrix: SOIL

Date Collected: 29-FEB-2008 11:10
Date Received : 29-FEB-2008
Date Reported : 10-MAR-2008

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber,1-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID

******* THIS SAMPLE IS ON HOLD *******

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0802902-11
TB-1
Sample Matrix: WATER

Date Collected: 25-FEB-2008 21:00
Date Received : 29-FEB-2008
Date Reported : 10-MAR-2008

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B				1 8260B		0310 15:36	BS
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	ND	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
p/m-Xylene	ND	ug/l	1.0				
o-Xylene	ND	ug/l	1.0				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Styrene	ND	ug/l	1.0				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0802902-11
TB-1

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0310 15:36	BS
Dichlorodifluoromethane	ND	ug/l	5.0					
Acetone	ND	ug/l	5.0					
Carbon disulfide	ND	ug/l	5.0					
2-Butanone	ND	ug/l	5.0					
Vinyl acetate	ND	ug/l	5.0					
4-Methyl-2-pentanone	ND	ug/l	5.0					
2-Hexanone	ND	ug/l	5.0					
Bromochloromethane	ND	ug/l	2.5					
2,2-Dichloropropane	ND	ug/l	2.5					
1,2-Dibromoethane	ND	ug/l	2.0					
1,3-Dichloropropane	ND	ug/l	2.5					
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50					
Bromobenzene	ND	ug/l	2.5					
n-Butylbenzene	ND	ug/l	0.50					
sec-Butylbenzene	ND	ug/l	0.50					
tert-Butylbenzene	ND	ug/l	2.5					
o-Chlorotoluene	ND	ug/l	2.5					
p-Chlorotoluene	ND	ug/l	2.5					
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5					
Hexachlorobutadiene	ND	ug/l	0.60					
Isopropylbenzene	ND	ug/l	0.50					
p-Isopropyltoluene	ND	ug/l	0.50					
Naphthalene	ND	ug/l	2.5					
n-Propylbenzene	ND	ug/l	0.50					
1,2,3-Trichlorobenzene	ND	ug/l	2.5					
1,2,4-Trichlorobenzene	ND	ug/l	2.5					
1,3,5-Trimethylbenzene	ND	ug/l	2.5					
1,2,4-Trimethylbenzene	ND	ug/l	2.5					

Surrogate(s)	Recovery		QC Criteria
1,2-Dichloroethane-d4	100	%	70-130
Toluene-d8	99.0	%	70-130
4-Bromofluorobenzene	102	%	70-130
Dibromofluoromethane	103	%	70-130

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH DUPLICATE ANALYSIS

Laboratory Job Number: L0802902

Parameter	Value 1	Value 2	Units	RPD	RPD Limits
Solids, Total for sample(s) 02-09 (L0802902-02, WG313370-1)					
Solids, Total	87	88	%	1	20
Total Metals for sample(s) 02-09 (L0802902-02, WG313283-1)					
Aluminum, Total	12000	13000	mg/kg	8	35
Antimony, Total	ND	ND	mg/kg	NC	35
Arsenic, Total	3.1	2.0	mg/kg	43	35
Barium, Total	75	97	mg/kg	26	35
Beryllium, Total	0.58	0.65	mg/kg	11	35
Cadmium, Total	ND	ND	mg/kg	NC	35
Calcium, Total	4400	5100	mg/kg	15	35
Chromium, Total	18	20	mg/kg	11	35
Cobalt, Total	9.1	11	mg/kg	19	35
Copper, Total	17	12	mg/kg	34	35
Iron, Total	19000	19000	mg/kg	0	35
Lead, Total	12	10	mg/kg	18	35
Magnesium, Total	5200	6700	mg/kg	25	35
Manganese, Total	260	240	mg/kg	8	35
Nickel, Total	20	22	mg/kg	10	35
Potassium, Total	4400	6100	mg/kg	32	35
Selenium, Total	ND	ND	mg/kg	NC	35
Silver, Total	ND	ND	mg/kg	NC	35
Sodium, Total	110	ND	mg/kg	NC	35
Thallium, Total	ND	ND	mg/kg	NC	35
Vanadium, Total	29	34	mg/kg	16	35
Zinc, Total	44	37	mg/kg	17	35
Total Metals for sample(s) 01 (L0802902-01, WG313460-1)					
Aluminum, Total	ND	ND	mg/l	NC	20
Antimony, Total	ND	ND	mg/l	NC	20
Arsenic, Total	ND	ND	mg/l	NC	20
Barium, Total	ND	ND	mg/l	NC	20
Beryllium, Total	ND	ND	mg/l	NC	20
Cadmium, Total	ND	ND	mg/l	NC	20
Calcium, Total	0.15	0.20	mg/l	29	20
Chromium, Total	ND	ND	mg/l	NC	20
Cobalt, Total	ND	ND	mg/l	NC	20
Copper, Total	ND	ND	mg/l	NC	20
Iron, Total	ND	ND	mg/l	NC	20
Lead, Total	ND	ND	mg/l	NC	20
Magnesium, Total	ND	ND	mg/l	NC	20
Manganese, Total	ND	ND	mg/l	NC	20
Nickel, Total	ND	ND	mg/l	NC	20
Potassium, Total	ND	ND	mg/l	NC	20
Selenium, Total	ND	ND	mg/l	NC	20
Silver, Total	ND	ND	mg/l	NC	20
Sodium, Total	ND	ND	mg/l	NC	20
Thallium, Total	ND	ND	mg/l	NC	20
Vanadium, Total	ND	ND	mg/l	NC	20

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH DUPLICATE ANALYSIS

Laboratory Job Number: L0802902

Continued

Parameter	Value 1	Value 2	Units	RPD	RPD Limits
Total Metals for sample(s) 01 (L0802902-01, WG313460-1)					
Zinc, Total	ND	ND	mg/l	NC	20
Total Metals for sample(s) 02-09 (L0802902-02, WG313495-3)					
Mercury, Total	ND	ND	mg/kg	NC	35
Total Metals for sample(s) 01 (L0802902-01, WG313415-3)					
Mercury, Total	ND	ND	mg/l	NC	20
Dissolved Metals for sample(s) 01 (L0802902-01, WG313270-1)					
Aluminum, Dissolved	ND	ND	mg/l	NC	20
Antimony, Dissolved	ND	ND	mg/l	NC	20
Arsenic, Dissolved	ND	ND	mg/l	NC	20
Barium, Dissolved	ND	ND	mg/l	NC	20
Beryllium, Dissolved	ND	ND	mg/l	NC	20
Cadmium, Dissolved	ND	ND	mg/l	NC	20
Calcium, Dissolved	0.18	0.17	mg/l	6	20
Chromium, Dissolved	ND	ND	mg/l	NC	20
Cobalt, Dissolved	ND	ND	mg/l	NC	20
Copper, Dissolved	ND	ND	mg/l	NC	20
Iron, Dissolved	ND	ND	mg/l	NC	20
Lead, Dissolved	ND	ND	mg/l	NC	20
Magnesium, Dissolved	ND	ND	mg/l	NC	20
Manganese, Dissolved	ND	ND	mg/l	NC	20
Nickel, Dissolved	ND	ND	mg/l	NC	20
Potassium, Dissolved	ND	ND	mg/l	NC	20
Selenium, Dissolved	ND	ND	mg/l	NC	20
Silver, Dissolved	ND	ND	mg/l	NC	20
Sodium, Dissolved	ND	ND	mg/l	NC	20
Thallium, Dissolved	ND	ND	mg/l	NC	20
Vanadium, Dissolved	ND	ND	mg/l	NC	20
Zinc, Dissolved	ND	ND	mg/l	NC	20
Dissolved Metals for sample(s) 01 (L0802902-01, WG313615-3)					
Mercury, Dissolved	ND	ND	mg/l	NC	20

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0802902

Parameter	% Recovery	QC Criteria
Total Metals LCS for sample(s) 02-09 (WG313283-4)		
Aluminum, Total	95	75-125
Antimony, Total	97	75-125
Arsenic, Total	97	75-125
Barium, Total	94	75-125
Beryllium, Total	97	75-125
Cadmium, Total	103	75-125
Calcium, Total	93	75-125
Chromium, Total	96	75-125
Cobalt, Total	93	75-125
Copper, Total	97	75-125
Iron, Total	99	75-125
Lead, Total	99	75-125
Magnesium, Total	91	75-125
Manganese, Total	93	75-125
Nickel, Total	93	75-125
Potassium, Total	87	75-125
Selenium, Total	92	75-125
Silver, Total	94	75-125
Sodium, Total	89	75-125
Thallium, Total	94	75-125
Vanadium, Total	97	75-125
Zinc, Total	97	75-125
Total Metals LCS for sample(s) 01 (WG313460-4)		
Aluminum, Total	95	80-120
Antimony, Total	97	80-120
Arsenic, Total	104	80-120
Barium, Total	96	80-120
Beryllium, Total	99	80-120
Cadmium, Total	105	80-120
Calcium, Total	96	80-120
Chromium, Total	95	80-120
Cobalt, Total	97	80-120
Copper, Total	95	80-120
Iron, Total	97	80-120
Lead, Total	102	80-120
Magnesium, Total	95	80-120
Manganese, Total	95	80-120
Nickel, Total	93	80-120
Potassium, Total	95	80-120
Selenium, Total	103	80-120
Silver, Total	98	80-120
Sodium, Total	100	80-120
Thallium, Total	97	80-120
Vanadium, Total	96	80-120
Zinc, Total	98	80-120

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0802902

Continued

Parameter	% Recovery	QC Criteria
Total Metals LCS for sample(s) 01 (WG313415-1)		
Mercury, Total	99	80-120
Total Metals LCS for sample(s) 02-09 (WG313495-1)		
Mercury, Total	97	85-115
Dissolved Metals LCS for sample(s) 01 (WG313270-4)		
Aluminum, Dissolved	95	80-120
Antimony, Dissolved	99	80-120
Arsenic, Dissolved	107	80-120
Barium, Dissolved	98	80-120
Beryllium, Dissolved	102	80-120
Cadmium, Dissolved	106	80-120
Calcium, Dissolved	98	80-120
Chromium, Dissolved	100	80-120
Cobalt, Dissolved	99	80-120
Copper, Dissolved	98	80-120
Iron, Dissolved	97	80-120
Lead, Dissolved	102	80-120
Magnesium, Dissolved	96	80-120
Manganese, Dissolved	97	80-120
Nickel, Dissolved	93	80-120
Potassium, Dissolved	95	80-120
Selenium, Dissolved	110	80-120
Silver, Dissolved	100	80-120
Sodium, Dissolved	100	80-120
Thallium, Dissolved	100	80-120
Vanadium, Dissolved	98	80-120
Zinc, Dissolved	99	80-120
Dissolved Metals LCS for sample(s) 01 (WG313615-1)		
Mercury, Dissolved	107	70-130
Volatile Organics by EPA 8260B LCS for sample(s) 02-06,08-09 (WG313815-3)		
Chlorobenzene	104	60-133
Benzene	104	66-142
Toluene	106	59-139
1,1-Dichloroethene	100	59-172
Trichloroethene	97	62-137
Surrogate(s)		
1,2-Dichloroethane-d4	103	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	99	70-130
Dibromofluoromethane	104	70-130

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0802902

Continued

Parameter	% Recovery	QC Criteria
Volatile Organics by EPA 8260B LCS for sample(s) 05,07 (WG313815-5)		
Chlorobenzene	100	60-133
Benzene	98	66-142
Toluene	102	59-139
1,1-Dichloroethene	98	59-172
Trichloroethene	99	62-137
Surrogate(s)		
1,2-Dichloroethane-d4	116	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	93	70-130
Dibromofluoromethane	113	70-130
Semivolatile Organics by EPA 8270C LCS for sample(s) 02-09 (WG313384-2)		
Acenaphthene	87	31-137
1,2,4-Trichlorobenzene	80	38-107
2-Chloronaphthalene	87	40-140
1,2-Dichlorobenzene	76	40-140
1,4-Dichlorobenzene	79	28-104
2,4-Dinitrotoluene	107	28-89
2,6-Dinitrotoluene	114	40-140
Fluoranthene	94	40-140
4-Chlorophenyl phenyl ether	113	40-140
n-Nitrosodi-n-propylamine	71	41-126
Butyl benzyl phthalate	101	40-140
Anthracene	75	40-140
Pyrene	93	35-142
P-Chloro-M-Cresol	82	26-103
2-Chlorophenol	68	25-102
2-Nitrophenol	85	30-130
4-Nitrophenol	85	11-114
2,4-Dinitrophenol	27	30-130
Pentachlorophenol	77	17-109
Phenol	87	26-90
Surrogate(s)		
2-Fluorophenol	70	25-120
Phenol-d6	93	10-120
Nitrobenzene-d5	87	23-120
2-Fluorobiphenyl	94	30-120
2,4,6-Tribromophenol	91	19-120
4-Terphenyl-d14	105	18-120
Polychlorinated Biphenyls by EPA 8082 LCS for sample(s) 02-09 (WG313379-2)		
Aroclor 1016	77	40-140
Aroclor 1260	90	40-140

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0802902

Continued

Parameter	% Recovery	QC Criteria
Polychlorinated Biphenyls by EPA 8082 LCS for sample(s) 02-09 (WG313379-2)		
Surrogate(s)		
2,4,5,6-Tetrachloro-m-xylene	71	30-150
Decachlorobiphenyl	108	30-150
Organochlorine Pesticides by EPA 8081A LCS for sample(s) 02-09 (WG313378-2)		
Delta-BHC	53	30-150
Lindane	61	30-150
Alpha-BHC	61	30-150
Beta-BHC	59	30-150
Heptachlor	63	30-150
Aldrin	57	30-150
Heptachlor epoxide	63	30-150
Endrin	72	30-150
Endrin ketone	66	30-150
Dieldrin	65	30-150
4,4'-DDE	66	30-150
4,4'-DDD	69	30-150
4,4'-DDT	68	30-150
Endosulfan I	60	30-150
Endosulfan II	60	30-150
Endosulfan sulfate	60	30-150
Methoxychlor	76	30-150
trans-Chlordane	58	30-150
Surrogate(s)		
2,4,5,6-Tetrachloro-m-xylene	58	30-150
Decachlorobiphenyl	50	30-150
Total Metals SPIKE for sample(s) 01 (L0802902-01, WG313460-2)		
Aluminum, Total	95	75-125
Antimony, Total	97	75-125
Arsenic, Total	102	75-125
Barium, Total	95	75-125
Beryllium, Total	98	75-125
Cadmium, Total	104	75-125
Calcium, Total	96	75-125
Chromium, Total	95	75-125
Cobalt, Total	96	75-125
Copper, Total	95	75-125
Iron, Total	100	75-125
Lead, Total	100	75-125
Magnesium, Total	95	75-125
Manganese, Total	95	75-125
Nickel, Total	92	75-125
Potassium, Total	95	75-125
Selenium, Total	102	75-125
Silver, Total	98	75-125

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0802902

Continued

Parameter	% Recovery	QC Criteria
Total Metals SPIKE for sample(s) 01 (L0802902-01, WG313460-2)		
Sodium, Total	99	75-125
Thallium, Total	102	75-125
Vanadium, Total	96	75-125
Zinc, Total	98	75-125
Total Metals SPIKE for sample(s) 02-09 (L0802902-02, WG313283-2)		
Aluminum, Total	1860	75-125
Antimony, Total	31	75-125
Arsenic, Total	82	75-125
Barium, Total	89	75-125
Beryllium, Total	90	75-125
Cadmium, Total	99	75-125
Calcium, Total	0	75-125
Chromium, Total	93	75-125
Cobalt, Total	85	75-125
Copper, Total	82	75-125
Iron, Total	1860	75-125
Lead, Total	88	75-125
Magnesium, Total	205	75-125
Manganese, Total	0	75-125
Nickel, Total	86	75-125
Potassium, Total	205	75-125
Selenium, Total	82	75-125
Silver, Total	93	75-125
Sodium, Total	127	75-125
Thallium, Total	106	75-125
Vanadium, Total	93	75-125
Zinc, Total	97	75-125
Total Metals SPIKE for sample(s) 02-09 (L0802902-02, WG313495-2)		
Mercury, Total	119	70-130
Total Metals SPIKE for sample(s) 01 (L0802902-01, WG313415-2)		
Mercury, Total	116	70-130
Dissolved Metals SPIKE for sample(s) 01 (L0802902-01, WG313270-2)		
Aluminum, Dissolved	95	75-125
Antimony, Dissolved	97	75-125
Arsenic, Dissolved	103	75-125
Barium, Dissolved	96	75-125
Beryllium, Dissolved	99	75-125
Cadmium, Dissolved	103	75-125
Calcium, Dissolved	95	75-125
Chromium, Dissolved	95	75-125
Cobalt, Dissolved	97	75-125
Copper, Dissolved	95	75-125
Iron, Dissolved	96	75-125
Lead, Dissolved	100	75-125

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0802902

Continued

Parameter	% Recovery	QC Criteria
Dissolved Metals SPIKE for sample(s) 01 (L0802902-01, WG313270-2)		
Magnesium, Dissolved	95	75-125
Manganese, Dissolved	95	75-125
Nickel, Dissolved	91	75-125
Potassium, Dissolved	92	75-125
Selenium, Dissolved	103	75-125
Silver, Dissolved	97	75-125
Sodium, Dissolved	100	75-125
Thallium, Dissolved	99	75-125
Vanadium, Dissolved	96	75-125
Zinc, Dissolved	97	75-125
Dissolved Metals SPIKE for sample(s) 01 (L0802902-01, WG313615-2)		
Mercury, Dissolved	117	70-130

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0802902

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by EPA 8260B for sample(s) 01,11 (WG314073-1, WG314073-2)					
Chlorobenzene	95	81	16	20	75-130
Benzene	95	80	17	20	76-127
Toluene	95	80	17	20	76-125
1,1-Dichloroethene	92	82	11	20	61-145
Trichloroethene	98	84	15	20	71-120
Surrogate(s)					
1,2-Dichloroethane-d4	94	98	4		70-130
Toluene-d8	99	98	1		70-130
4-Bromofluorobenzene	102	100	2		70-130
Dibromofluoromethane	98	100	2		70-130
Semivolatile Organics by EPA 8270C for sample(s) 01 (WG313450-2, WG313450-3)					
Acenaphthene	73	58	23	30	46-118
1,2,4-Trichlorobenzene	64	44	37	30	39-98
2-Chloronaphthalene	70	52	30	30	40-140
1,2-Dichlorobenzene	58	40	37	30	40-140
1,4-Dichlorobenzene	59	38	43	30	36-97
2,4-Dinitrotoluene	83	81	2	30	24-96
2,6-Dinitrotoluene	85	77	10	30	40-140
Fluoranthene	77	75	3	30	40-140
4-Chlorophenyl phenyl ether	80	68	16	30	40-140
n-Nitrosodi-n-propylamine	56	43	26	30	41-116
Butyl benzyl phthalate	87	85	2	30	40-140
Anthracene	68	68	0	30	40-140
Pyrene	77	74	4	30	26-127
P-Chloro-M-Cresol	76	60	24	30	23-97
2-Chlorophenol	57	41	33	30	27-123
2-Nitrophenol	73	55	28	30	30-130
4-Nitrophenol	38	37	3	30	10-80
2,4-Dinitrophenol	74	73	1	30	30-130
Pentachlorophenol	66	64	3	30	9-103
Phenol	24	18	29	30	12-110
Surrogate(s)					
2-Fluorophenol	37	26	35		21-120
Phenol-d6	32	23	33		10-120
Nitrobenzene-d5	77	57	30		23-120
2-Fluorobiphenyl	74	56	28		43-120
2,4,6-Tribromophenol	86	79	8		10-120
4-Terphenyl-d14	86	82	5		33-120
Polychlorinated Biphenyls by EPA 8082 for sample(s) 01 (WG313452-2, WG313452-3)					
Aroclor 1016	70	75	6	30	40-140
Aroclor 1260	89	91	1	30	40-140

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0802902

Continued

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Polychlorinated Biphenyls by EPA 8082 for sample(s) 01 (WG313452-2, WG313452-3)					
Surrogate(s)					
2,4,5,6-Tetrachloro-m-xylene	61	64	5		30-150
Decachlorobiphenyl	83	86	4		30-150
Organochlorine Pesticides by EPA 8081A for sample(s) 01 (WG313451-2, WG313451-3)					
Delta-BHC	39	56	36		30-150
Lindane	53	64	19		30-150
Alpha-BHC	53	63	18		30-150
Beta-BHC	52	63	18		30-150
Heptachlor	45	51	12		30-150
Aldrin	49	53	8		30-150
Heptachlor epoxide	54	68	23		30-150
Endrin	67	80	19		30-150
Endrin ketone	50	67	29		30-150
Dieldrin	56	72	25		30-150
4,4'-DDE	58	72	22		30-150
4,4'-DDD	62	74	18		30-150
4,4'-DDT	53	67	23		30-150
Endosulfan I	54	68	23		30-150
Endosulfan II	57	73	24		30-150
Endosulfan sulfate	49	70	34		30-150
Methoxychlor	53	71	28		30-150
trans-Chlordane	53	66	21		30-150
Surrogate(s)					
2,4,5,6-Tetrachloro-m-xylene	45	50	11		30-150
Decachlorobiphenyl	41	58	34		30-150

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH MS/MSD ANALYSIS

Laboratory Job Number: L0802902

Parameter	MS %	MSD %	RPD	RPD Limit	MS/MSD Limits
Volatile Organics by EPA 8260B for sample(s) 02-09 (L0802902-07, WG313815-2)					
Chlorobenzene	82	80	2	30	60-133
Benzene	83	80	4	30	66-142
Toluene	85	87	2	30	59-139
1,1-Dichloroethene	87	87	0	30	59-172
Trichloroethene	82	82	0	30	62-137
Surrogate(s)					
1,2-Dichloroethane-d4	127	122	4		70-130
Toluene-d8	102	105	3		70-130
4-Bromofluorobenzene	126	127	1		70-130
Dibromofluoromethane	104	106	2		70-130
Semivolatile Organics by EPA 8270C for sample(s) 02-09 (L0802902-02, WG313384-4)					
Acenaphthene	94	82	14	50	31-137
1,2,4-Trichlorobenzene	74	65	13	50	38-107
2-Chloronaphthalene	73	65	12	50	40-140
1,2-Dichlorobenzene	67	60	11	50	40-140
1,4-Dichlorobenzene	65	59	10	50	28-104
2,4-Dinitrotoluene	81	80	1	50	28-89
2,6-Dinitrotoluene	70	68	3	50	40-140
Fluoranthene	160	98	48	50	40-140
4-Chlorophenyl phenyl ether	78	77	1	50	40-140
n-Nitrosodi-n-propylamine	60	55	9	50	41-126
Butyl benzyl phthalate	76	76	0	50	40-140
Anthracene	100	81	21	50	40-140
Pyrene	160	99	47	50	35-142
P-Chloro-M-Cresol	78	72	8	50	26-103
2-Chlorophenol	65	59	10	50	25-102
2-Nitrophenol	61	54	12	50	30-130
4-Nitrophenol	78	78	0	50	11-114
2,4-Dinitrophenol	56	57	2	50	30-130
Pentachlorophenol	72	46	44	50	17-109
Phenol	59	54	9	50	26-90
Surrogate(s)					
2-Fluorophenol	73	64	13		25-120
Phenol-d6	75	69	8		10-120
Nitrobenzene-d5	66	59	11		23-120
2-Fluorobiphenyl	77	69	11		30-120
2,4,6-Tribromophenol	95	91	4		19-120
4-Terphenyl-d14	82	82	0		18-120
Polychlorinated Biphenyls by EPA 8082 for sample(s) 02-09 (L0802902-02, WG313379-4)					
Aroclor 1016	60	84	33	50	40-140
Aroclor 1260	58	76	27	50	40-140

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH MS/MSD ANALYSIS

Laboratory Job Number: L0802902

Continued

Parameter	MS %	MSD %	RPD	RPD Limit	MS/MSD Limits
Polychlorinated Biphenyls by EPA 8082 for sample(s) 02-09 (L0802902-02, WG313379-4)					
Surrogate(s)					
2,4,5,6-Tetrachloro-m-xylene	62	79	24		30-150
Decachlorobiphenyl	72	96	29		30-150
Organochlorine Pesticides by EPA 8081A for sample(s) 02-09 (L0802902-02, WG313378-4)					
Delta-BHC	59	54	9	50	30-150
Lindane	64	57	12	50	30-150
Alpha-BHC	66	59	11	50	30-150
Beta-BHC	64	59	8	50	30-150
Heptachlor	69	62	10	50	30-150
Aldrin	62	57	9	50	30-150
Heptachlor epoxide	69	64	7	50	30-150
Endrin	80	74	8	50	30-150
Endrin ketone	74	69	6	50	30-150
Dieldrin	71	67	7	50	30-150
4,4'-DDE	72	65	11	50	30-150
4,4'-DDD	78	72	8	50	30-150
4,4'-DDT	76	71	6	50	30-150
Endosulfan I	64	57	11	50	30-150
Endosulfan II	67	62	7	50	30-150
Endosulfan sulfate	67	62	8	50	30-150
Methoxychlor	86	80	6	50	30-150
trans-Chlordane	63	58	8	50	30-150
Surrogate(s)					
2,4,5,6-Tetrachloro-m-xylene	63	49	25		30-150
Decachlorobiphenyl	58	48	19		30-150

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0802902

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 02-09 (WG313283-3)								
Total Metals								
Aluminum, Total	ND	mg/kg	5.0	1	6010B	0301 13:50	0303 09:15	MG
Antimony, Total	ND	mg/kg	2.5	1	6010B	0301 13:50	0303 09:15	MG
Arsenic, Total	ND	mg/kg	0.50	1	6010B	0301 13:50	0303 09:15	MG
Barium, Total	ND	mg/kg	0.50	1	6010B	0301 13:50	0303 09:15	MG
Beryllium, Total	ND	mg/kg	0.25	1	6010B	0301 13:50	0303 09:15	MG
Cadmium, Total	ND	mg/kg	0.50	1	6010B	0301 13:50	0303 09:15	MG
Calcium, Total	18	mg/kg	5.0	1	6010B	0301 13:50	0303 09:15	MG
Chromium, Total	ND	mg/kg	0.50	1	6010B	0301 13:50	0303 09:15	MG
Cobalt, Total	ND	mg/kg	1.0	1	6010B	0301 13:50	0303 09:15	MG
Copper, Total	ND	mg/kg	0.50	1	6010B	0301 13:50	0303 09:15	MG
Iron, Total	ND	mg/kg	2.5	1	6010B	0301 13:50	0303 09:15	MG
Lead, Total	ND	mg/kg	2.5	1	6010B	0301 13:50	0303 09:15	MG
Magnesium, Total	ND	mg/kg	5.0	1	6010B	0301 13:50	0303 09:15	MG
Manganese, Total	ND	mg/kg	0.50	1	6010B	0301 13:50	0303 09:15	MG
Nickel, Total	ND	mg/kg	1.2	1	6010B	0301 13:50	0303 09:15	MG
Potassium, Total	ND	mg/kg	120	1	6010B	0301 13:50	0303 09:15	MG
Selenium, Total	ND	mg/kg	2.5	1	6010B	0301 13:50	0303 09:15	MG
Silver, Total	ND	mg/kg	0.50	1	6010B	0301 13:50	0303 09:15	MG
Sodium, Total	ND	mg/kg	100	1	6010B	0301 13:50	0303 09:15	MG
Thallium, Total	ND	mg/kg	2.5	1	6010B	0301 13:50	0303 09:15	MG
Vanadium, Total	ND	mg/kg	0.50	1	6010B	0301 13:50	0303 09:15	MG
Zinc, Total	ND	mg/kg	2.5	1	6010B	0301 13:50	0303 09:15	MG
Blank Analysis for sample(s) 01 (WG313460-3)								
Total Metals								
Aluminum, Total	ND	mg/l	0.10	1	6010B	0304 15:00	0306 10:20	AI
Antimony, Total	ND	mg/l	0.050	1	6010B	0304 15:00	0306 10:20	AI
Arsenic, Total	ND	mg/l	0.005	1	6010B	0304 15:00	0306 10:20	AI
Barium, Total	ND	mg/l	0.010	1	6010B	0304 15:00	0306 10:20	AI
Beryllium, Total	ND	mg/l	0.005	1	6010B	0304 15:00	0306 10:20	AI
Cadmium, Total	ND	mg/l	0.005	1	6010B	0304 15:00	0306 10:20	AI
Calcium, Total	ND	mg/l	0.10	1	6010B	0304 15:00	0306 10:20	AI
Chromium, Total	ND	mg/l	0.01	1	6010B	0304 15:00	0306 10:20	AI
Cobalt, Total	ND	mg/l	0.020	1	6010B	0304 15:00	0306 10:20	AI
Copper, Total	ND	mg/l	0.010	1	6010B	0304 15:00	0306 10:20	AI
Iron, Total	ND	mg/l	0.05	1	6010B	0304 15:00	0306 10:20	AI
Lead, Total	ND	mg/l	0.010	1	6010B	0304 15:00	0306 10:20	AI
Magnesium, Total	ND	mg/l	0.10	1	6010B	0304 15:00	0306 10:20	AI
Manganese, Total	ND	mg/l	0.010	1	6010B	0304 15:00	0306 10:20	AI
Nickel, Total	ND	mg/l	0.025	1	6010B	0304 15:00	0306 10:20	AI
Potassium, Total	ND	mg/l	2.5	1	6010B	0304 15:00	0306 10:20	AI
Selenium, Total	ND	mg/l	0.010	1	6010B	0304 15:00	0306 10:20	AI
Silver, Total	ND	mg/l	0.007	1	6010B	0304 15:00	0306 10:20	AI
Sodium, Total	ND	mg/l	2.0	1	6010B	0304 15:00	0306 10:20	AI

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0802902

Continued

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01 (WG313460-3)								
Total Metals								
Thallium, Total	ND	mg/l	0.020	1	6010B	0304 15:00	0306 10:20	AI
Vanadium, Total	ND	mg/l	0.010	1	6010B	0304 15:00	0306 10:20	AI
Zinc, Total	ND	mg/l	0.050	1	6010B	0304 15:00	0306 10:20	AI
Blank Analysis for sample(s) 01 (WG313415-4)								
Total Metals								
Mercury, Total	ND	mg/l	0.0002	1	7470A	0304 10:15	0304 14:52	RC
Blank Analysis for sample(s) 02-09 (WG313495-4)								
Total Metals								
Mercury, Total	ND	mg/kg	0.08	1	7471A	0304 20:00	0305 10:23	DM
Blank Analysis for sample(s) 01 (WG313270-3)								
Dissolved Metals								
Aluminum, Dissolved	ND	mg/l	0.10	1	6010B	0301 11:45	0304 10:46	AI
Antimony, Dissolved	ND	mg/l	0.050	1	6010B	0301 11:45	0304 10:46	AI
Arsenic, Dissolved	ND	mg/l	0.005	1	6010B	0301 11:45	0304 10:46	AI
Barium, Dissolved	ND	mg/l	0.010	1	6010B	0301 11:45	0304 10:46	AI
Beryllium, Dissolved	ND	mg/l	0.005	1	6010B	0301 11:45	0304 10:46	AI
Cadmium, Dissolved	ND	mg/l	0.005	1	6010B	0301 11:45	0304 10:46	AI
Calcium, Dissolved	ND	mg/l	0.10	1	6010B	0301 11:45	0304 10:46	AI
Chromium, Dissolved	ND	mg/l	0.01	1	6010B	0301 11:45	0304 10:46	AI
Cobalt, Dissolved	ND	mg/l	0.020	1	6010B	0301 11:45	0304 10:46	AI
Copper, Dissolved	ND	mg/l	0.010	1	6010B	0301 11:45	0304 10:46	AI
Iron, Dissolved	ND	mg/l	0.05	1	6010B	0301 11:45	0304 10:46	AI
Lead, Dissolved	ND	mg/l	0.010	1	6010B	0301 11:45	0304 10:46	AI
Magnesium, Dissolved	ND	mg/l	0.10	1	6010B	0301 11:45	0304 10:46	AI
Manganese, Dissolved	ND	mg/l	0.010	1	6010B	0301 11:45	0304 10:46	AI
Nickel, Dissolved	ND	mg/l	0.025	1	6010B	0301 11:45	0304 10:46	AI
Potassium, Dissolved	ND	mg/l	2.5	1	6010B	0301 11:45	0304 10:46	AI
Selenium, Dissolved	ND	mg/l	0.010	1	6010B	0301 11:45	0304 10:46	AI
Silver, Dissolved	ND	mg/l	0.007	1	6010B	0301 11:45	0304 10:46	AI
Sodium, Dissolved	ND	mg/l	2.0	1	6010B	0301 11:45	0304 10:46	AI
Thallium, Dissolved	ND	mg/l	0.020	1	6010B	0301 11:45	0304 10:46	AI
Vanadium, Dissolved	ND	mg/l	0.010	1	6010B	0301 11:45	0304 10:46	AI
Zinc, Dissolved	ND	mg/l	0.050	1	6010B	0301 11:45	0304 10:46	AI

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0802902

Continued

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01 (WG313615-4)								
Dissolved Metals								
Mercury, Dissolved	ND	mg/l	0.0002	1	7470A	0305 16:00	0306 18:04	RC
Blank Analysis for sample(s) 02-06,08-09 (WG313815-4)								
Volatile Organics by EPA 8260B				1	8260B		0305 12:20	GK
Methylene chloride	ND	ug/kg	25.					
1,1-Dichloroethane	ND	ug/kg	3.8					
Chloroform	ND	ug/kg	3.8					
Carbon tetrachloride	ND	ug/kg	2.5					
1,2-Dichloropropane	ND	ug/kg	8.8					
Dibromochloromethane	ND	ug/kg	2.5					
1,1,2-Trichloroethane	ND	ug/kg	3.8					
Tetrachloroethene	ND	ug/kg	2.5					
Chlorobenzene	ND	ug/kg	2.5					
Trichlorofluoromethane	ND	ug/kg	12.					
1,2-Dichloroethane	ND	ug/kg	2.5					
1,1,1-Trichloroethane	ND	ug/kg	2.5					
Bromodichloromethane	ND	ug/kg	2.5					
trans-1,3-Dichloropropene	ND	ug/kg	2.5					
cis-1,3-Dichloropropene	ND	ug/kg	2.5					
1,1-Dichloropropene	ND	ug/kg	12.					
Bromoform	ND	ug/kg	10.					
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.5					
Benzene	ND	ug/kg	2.5					
Toluene	ND	ug/kg	3.8					
Ethylbenzene	ND	ug/kg	2.5					
Chloromethane	ND	ug/kg	12.					
Bromomethane	ND	ug/kg	5.0					
Vinyl chloride	ND	ug/kg	5.0					
Chloroethane	ND	ug/kg	5.0					
1,1-Dichloroethene	ND	ug/kg	2.5					
trans-1,2-Dichloroethene	ND	ug/kg	3.8					
Trichloroethene	ND	ug/kg	2.5					
1,2-Dichlorobenzene	ND	ug/kg	12.					
1,3-Dichlorobenzene	ND	ug/kg	12.					
1,4-Dichlorobenzene	ND	ug/kg	12.					
Methyl tert butyl ether	ND	ug/kg	5.0					
p/m-Xylene	ND	ug/kg	5.0					
o-Xylene	ND	ug/kg	5.0					
cis-1,2-Dichloroethene	ND	ug/kg	2.5					
Dibromomethane	ND	ug/kg	25.					
Styrene	ND	ug/kg	5.0					
Dichlorodifluoromethane	ND	ug/kg	25.					
Acetone	ND	ug/kg	25.					
Carbon disulfide	ND	ug/kg	25.					
2-Butanone	ND	ug/kg	25.					

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Blank Analysis for sample(s) 02-06,08-09 (WG313815-4)							
Volatile Organics by EPA 8260B cont'd				1 8260B		0305 12:20	GK
Vinyl acetate	ND	ug/kg	25.				
4-Methyl-2-pentanone	ND	ug/kg	25.				
1,2,3-Trichloropropane	ND	ug/kg	25.				
2-Hexanone	ND	ug/kg	25.				
Bromochloromethane	ND	ug/kg	12.				
2,2-Dichloropropane	ND	ug/kg	12.				
1,2-Dibromoethane	ND	ug/kg	10.				
1,3-Dichloropropane	ND	ug/kg	12.				
1,1,1,2-Tetrachloroethane	ND	ug/kg	2.5				
Bromobenzene	ND	ug/kg	12.				
n-Butylbenzene	ND	ug/kg	2.5				
sec-Butylbenzene	ND	ug/kg	2.5				
tert-Butylbenzene	ND	ug/kg	12.				
o-Chlorotoluene	ND	ug/kg	12.				
p-Chlorotoluene	ND	ug/kg	12.				
1,2-Dibromo-3-chloropropane	ND	ug/kg	12.				
Hexachlorobutadiene	ND	ug/kg	12.				
Isopropylbenzene	ND	ug/kg	2.5				
p-Isopropyltoluene	ND	ug/kg	2.5				
Naphthalene	ND	ug/kg	12.				
n-Propylbenzene	ND	ug/kg	2.5				
1,2,3-Trichlorobenzene	ND	ug/kg	12.				
1,2,4-Trichlorobenzene	ND	ug/kg	12.				
1,3,5-Trimethylbenzene	ND	ug/kg	12.				
1,2,4-Trimethylbenzene	ND	ug/kg	12.				
1,4-Diethylbenzene	ND	ug/kg	2.5				
4-Ethyltoluene	ND	ug/kg	2.5				
1,2,4,5-Tetramethylbenzene	ND	ug/kg	2.5				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	108	%	70-130				
Toluene-d8	101	%	70-130				
4-Bromofluorobenzene	105	%	70-130				
Dibromofluoromethane	88.0	%	70-130				
Blank Analysis for sample(s) 05,07 (WG313815-6)							
Volatile Organics by EPA 8260B				1 8260B		0306 13:58	GK
Methylene chloride	ND	ug/kg	25.				
1,1-Dichloroethane	ND	ug/kg	3.8				
Chloroform	ND	ug/kg	3.8				
Carbon tetrachloride	ND	ug/kg	2.5				
1,2-Dichloropropane	ND	ug/kg	8.8				
Dibromochloromethane	ND	ug/kg	2.5				
1,1,2-Trichloroethane	ND	ug/kg	3.8				
Tetrachloroethene	ND	ug/kg	2.5				
Chlorobenzene	ND	ug/kg	2.5				

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Blank Analysis for sample(s) 05,07 (WG313815-6)							
Volatile Organics by EPA 8260B cont'd				1 8260B		0306 13:58	GK
Trichlorofluoromethane	ND	ug/kg	12.				
1,2-Dichloroethane	ND	ug/kg	2.5				
1,1,1-Trichloroethane	ND	ug/kg	2.5				
Bromodichloromethane	ND	ug/kg	2.5				
trans-1,3-Dichloropropene	ND	ug/kg	2.5				
cis-1,3-Dichloropropene	ND	ug/kg	2.5				
1,1-Dichloropropene	ND	ug/kg	12.				
Bromoform	ND	ug/kg	10.				
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.5				
Benzene	ND	ug/kg	2.5				
Toluene	ND	ug/kg	3.8				
Ethylbenzene	ND	ug/kg	2.5				
Chloromethane	ND	ug/kg	12.				
Bromomethane	ND	ug/kg	5.0				
Vinyl chloride	ND	ug/kg	5.0				
Chloroethane	ND	ug/kg	5.0				
1,1-Dichloroethene	ND	ug/kg	2.5				
trans-1,2-Dichloroethene	ND	ug/kg	3.8				
Trichloroethene	ND	ug/kg	2.5				
1,2-Dichlorobenzene	ND	ug/kg	12.				
1,3-Dichlorobenzene	ND	ug/kg	12.				
1,4-Dichlorobenzene	ND	ug/kg	12.				
Methyl tert butyl ether	ND	ug/kg	5.0				
p/m-Xylene	ND	ug/kg	5.0				
o-Xylene	ND	ug/kg	5.0				
cis-1,2-Dichloroethene	ND	ug/kg	2.5				
Dibromomethane	ND	ug/kg	25.				
Styrene	ND	ug/kg	5.0				
Dichlorodifluoromethane	ND	ug/kg	25.				
Acetone	ND	ug/kg	25.				
Carbon disulfide	ND	ug/kg	25.				
2-Butanone	ND	ug/kg	25.				
Vinyl acetate	ND	ug/kg	25.				
4-Methyl-2-pentanone	ND	ug/kg	25.				
1,2,3-Trichloropropane	ND	ug/kg	25.				
2-Hexanone	ND	ug/kg	25.				
Bromochloromethane	ND	ug/kg	12.				
2,2-Dichloropropane	ND	ug/kg	12.				
1,2-Dibromoethane	ND	ug/kg	10.				
1,3-Dichloropropane	ND	ug/kg	12.				
1,1,1,2-Tetrachloroethane	ND	ug/kg	2.5				
Bromobenzene	ND	ug/kg	12.				
n-Butylbenzene	ND	ug/kg	2.5				
sec-Butylbenzene	ND	ug/kg	2.5				
tert-Butylbenzene	ND	ug/kg	12.				
o-Chlorotoluene	ND	ug/kg	12.				

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Blank Analysis for sample(s) 05,07 (WG313815-6)							
Volatile Organics by EPA 8260B cont'd				1 8260B		0306 13:58	GK
p-Chlorotoluene	ND	ug/kg	12.				
1,2-Dibromo-3-chloropropane	ND	ug/kg	12.				
Hexachlorobutadiene	ND	ug/kg	12.				
Isopropylbenzene	ND	ug/kg	2.5				
p-Isopropyltoluene	ND	ug/kg	2.5				
Naphthalene	ND	ug/kg	12.				
n-Propylbenzene	ND	ug/kg	2.5				
1,2,3-Trichlorobenzene	ND	ug/kg	12.				
1,2,4-Trichlorobenzene	ND	ug/kg	12.				
1,3,5-Trimethylbenzene	ND	ug/kg	12.				
1,2,4-Trimethylbenzene	ND	ug/kg	12.				
1,4-Diethylbenzene	ND	ug/kg	2.5				
4-Ethyltoluene	ND	ug/kg	2.5				
1,2,4,5-Tetramethylbenzene	ND	ug/kg	2.5				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	124	%	70-130				
Toluene-d8	97.0	%	70-130				
4-Bromofluorobenzene	99.0	%	70-130				
Dibromofluoromethane	111	%	70-130				
Blank Analysis for sample(s) 01,11 (WG314073-3)							
Volatile Organics by EPA 8260B				1 8260B		0310 13:41	BS
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				

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Blank Analysis for sample(s) 01,11 (WG314073-3)								
Volatile Organics by EPA 8260B cont'd				1	8260B		0310 13:41	BS
Vinyl chloride	ND	ug/l	1.0					
Chloroethane	ND	ug/l	1.0					
1,1-Dichloroethene	ND	ug/l	0.50					
trans-1,2-Dichloroethene	ND	ug/l	0.75					
Trichloroethene	ND	ug/l	0.50					
1,2-Dichlorobenzene	ND	ug/l	2.5					
1,3-Dichlorobenzene	ND	ug/l	2.5					
1,4-Dichlorobenzene	ND	ug/l	2.5					
Methyl tert butyl ether	ND	ug/l	1.0					
p/m-Xylene	ND	ug/l	1.0					
o-Xylene	ND	ug/l	1.0					
cis-1,2-Dichloroethene	ND	ug/l	0.50					
Dibromomethane	ND	ug/l	5.0					
1,2,3-Trichloropropane	ND	ug/l	5.0					
Styrene	ND	ug/l	1.0					
Dichlorodifluoromethane	ND	ug/l	5.0					
Acetone	ND	ug/l	5.0					
Carbon disulfide	ND	ug/l	5.0					
2-Butanone	ND	ug/l	5.0					
Vinyl acetate	ND	ug/l	5.0					
4-Methyl-2-pentanone	ND	ug/l	5.0					
2-Hexanone	ND	ug/l	5.0					
Bromochloromethane	ND	ug/l	2.5					
2,2-Dichloropropane	ND	ug/l	2.5					
1,2-Dibromoethane	ND	ug/l	2.0					
1,3-Dichloropropane	ND	ug/l	2.5					
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50					
Bromobenzene	ND	ug/l	2.5					
n-Butylbenzene	ND	ug/l	0.50					
sec-Butylbenzene	ND	ug/l	0.50					
tert-Butylbenzene	ND	ug/l	2.5					
o-Chlorotoluene	ND	ug/l	2.5					
p-Chlorotoluene	ND	ug/l	2.5					
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5					
Hexachlorobutadiene	ND	ug/l	0.60					
Isopropylbenzene	ND	ug/l	0.50					
p-Isopropyltoluene	ND	ug/l	0.50					
Naphthalene	ND	ug/l	2.5					
n-Propylbenzene	ND	ug/l	0.50					
1,2,3-Trichlorobenzene	ND	ug/l	2.5					
1,2,4-Trichlorobenzene	ND	ug/l	2.5					
1,3,5-Trimethylbenzene	ND	ug/l	2.5					
1,2,4-Trimethylbenzene	ND	ug/l	2.5					

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Blank Analysis for sample(s) 01,11 (WG314073-3)								
Volatile Organics by EPA 8260B cont'd				1	8260B		0310 13:41	BS
Surrogate(s)	Recovery		QC Criteria					
1,2-Dichloroethane-d4	94.0	%	70-130					
Toluene-d8	101	%	70-130					
4-Bromofluorobenzene	102	%	70-130					
Dibromofluoromethane	99.0	%	70-130					
Blank Analysis for sample(s) 02-09 (WG313384-1)								
Semivolatile Organics by EPA 8270C				1	8270C	0303 21:30	0305 16:01	AK
Acenaphthene	ND	ug/kg	330					
1,2,4-Trichlorobenzene	ND	ug/kg	330					
Hexachlorobenzene	ND	ug/kg	330					
Bis(2-chloroethyl)ether	ND	ug/kg	330					
2-Chloronaphthalene	ND	ug/kg	400					
1,2-Dichlorobenzene	ND	ug/kg	330					
1,3-Dichlorobenzene	ND	ug/kg	330					
1,4-Dichlorobenzene	ND	ug/kg	330					
3,3'-Dichlorobenzidine	ND	ug/kg	670					
2,4-Dinitrotoluene	ND	ug/kg	330					
2,6-Dinitrotoluene	ND	ug/kg	330					
Fluoranthene	ND	ug/kg	330					
4-Chlorophenyl phenyl ether	ND	ug/kg	330					
4-Bromophenyl phenyl ether	ND	ug/kg	330					
Bis(2-chloroisopropyl)ether	ND	ug/kg	330					
Bis(2-chloroethoxy)methane	ND	ug/kg	330					
Hexachlorobutadiene	ND	ug/kg	670					
Hexachlorocyclopentadiene	ND	ug/kg	670					
Hexachloroethane	ND	ug/kg	330					
Isophorone	ND	ug/kg	330					
Naphthalene	ND	ug/kg	330					
Nitrobenzene	ND	ug/kg	330					
NitrosoDiPhenylAmine(NDPA)/DPA	ND	ug/kg	1000					
n-Nitrosodi-n-propylamine	ND	ug/kg	330					
Bis(2-Ethylhexyl)phthalate	ND	ug/kg	670					
Butyl benzyl phthalate	ND	ug/kg	330					
Di-n-butylphthalate	ND	ug/kg	330					
Di-n-octylphthalate	ND	ug/kg	330					
Diethyl phthalate	ND	ug/kg	330					
Dimethyl phthalate	ND	ug/kg	330					
Benzo(a)anthracene	ND	ug/kg	330					
Benzo(a)pyrene	ND	ug/kg	330					
Benzo(b)fluoranthene	ND	ug/kg	330					
Benzo(k)fluoranthene	ND	ug/kg	330					
Chrysene	ND	ug/kg	330					
Acenaphthylene	ND	ug/kg	330					
Anthracene	ND	ug/kg	330					
Benzo(ghi)perylene	ND	ug/kg	330					

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Blank Analysis for sample(s) 02-09 (WG313384-1)								
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0303 21:30	0305 16:01	AK
Fluorene	ND	ug/kg	330					
Phenanthrene	ND	ug/kg	330					
Dibenzo(a,h)anthracene	ND	ug/kg	330					
Indeno(1,2,3-cd)Pyrene	ND	ug/kg	330					
Pyrene	ND	ug/kg	330					
Biphenyl	ND	ug/kg	330					
4-Chloroaniline	ND	ug/kg	330					
2-Nitroaniline	ND	ug/kg	330					
3-Nitroaniline	ND	ug/kg	330					
4-Nitroaniline	ND	ug/kg	470					
Dibenzofuran	ND	ug/kg	330					
2-Methylnaphthalene	ND	ug/kg	330					
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	1300					
Acetophenone	ND	ug/kg	1300					
2,4,6-Trichlorophenol	ND	ug/kg	330					
P-Chloro-M-Cresol	ND	ug/kg	330					
2-Chlorophenol	ND	ug/kg	400					
2,4-Dichlorophenol	ND	ug/kg	670					
2,4-Dimethylphenol	ND	ug/kg	330					
2-Nitrophenol	ND	ug/kg	1300					
4-Nitrophenol	ND	ug/kg	670					
2,4-Dinitrophenol	ND	ug/kg	1300					
4,6-Dinitro-o-cresol	ND	ug/kg	1300					
Pentachlorophenol	ND	ug/kg	1300					
Phenol	ND	ug/kg	470					
2-Methylphenol	ND	ug/kg	400					
3-Methylphenol/4-Methylphenol	ND	ug/kg	400					
2,4,5-Trichlorophenol	ND	ug/kg	330					
Benzoic Acid	ND	ug/kg	3300					
Benzyl Alcohol	ND	ug/kg	670					
Carbazole	ND	ug/kg	330					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	78.0	%	25-120					
Phenol-d6	103	%	10-120					
Nitrobenzene-d5	90.0	%	23-120					
2-Fluorobiphenyl	89.0	%	30-120					
2,4,6-Tribromophenol	73.0	%	19-120					
4-Terphenyl-d14	109	%	18-120					
Blank Analysis for sample(s) 01 (WG313450-1)								
Semivolatile Organics by EPA 8270C				1	8270C	0304 14:30	0305 14:33	AK
Acenaphthene	ND	ug/l	5.0					
1,2,4-Trichlorobenzene	ND	ug/l	5.0					
Hexachlorobenzene	ND	ug/l	5.0					
Bis(2-chloroethyl)ether	ND	ug/l	5.0					

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Blank Analysis for sample(s) 01 (WG313450-1)								
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0304 14:30	0305 14:33	AK
2-Chloronaphthalene	ND	ug/l	6.0					
1,2-Dichlorobenzene	ND	ug/l	5.0					
1,3-Dichlorobenzene	ND	ug/l	5.0					
1,4-Dichlorobenzene	ND	ug/l	5.0					
3,3'-Dichlorobenzidine	ND	ug/l	50.					
2,4-Dinitrotoluene	ND	ug/l	6.0					
2,6-Dinitrotoluene	ND	ug/l	5.0					
Fluoranthene	ND	ug/l	5.0					
4-Chlorophenyl phenyl ether	ND	ug/l	5.0					
4-Bromophenyl phenyl ether	ND	ug/l	5.0					
Bis(2-chloroisopropyl)ether	ND	ug/l	5.0					
Bis(2-chloroethoxy)methane	ND	ug/l	5.0					
Hexachlorobutadiene	ND	ug/l	10.					
Hexachlorocyclopentadiene	ND	ug/l	30.					
Hexachloroethane	ND	ug/l	5.0					
Isophorone	ND	ug/l	5.0					
Naphthalene	ND	ug/l	5.0					
Nitrobenzene	ND	ug/l	5.0					
NitrosoDiPhenylAmine(NDPA)/DPA	ND	ug/l	15.					
n-Nitrosodi-n-propylamine	ND	ug/l	5.0					
Bis(2-Ethylhexyl)phthalate	ND	ug/l	5.0					
Butyl benzyl phthalate	ND	ug/l	5.0					
Di-n-butylphthalate	ND	ug/l	5.0					
Di-n-octylphthalate	ND	ug/l	5.0					
Diethyl phthalate	ND	ug/l	5.0					
Dimethyl phthalate	ND	ug/l	5.0					
Benzo(a)anthracene	ND	ug/l	5.0					
Benzo(a)pyrene	ND	ug/l	5.0					
Benzo(b)fluoranthene	ND	ug/l	5.0					
Benzo(k)fluoranthene	ND	ug/l	5.0					
Chrysene	ND	ug/l	5.0					
Acenaphthylene	ND	ug/l	5.0					
Anthracene	ND	ug/l	5.0					
Benzo(ghi)perylene	ND	ug/l	5.0					
Fluorene	ND	ug/l	5.0					
Phenanthrene	ND	ug/l	5.0					
Dibenzo(a,h)anthracene	ND	ug/l	5.0					
Indeno(1,2,3-cd)Pyrene	ND	ug/l	7.0					
Pyrene	ND	ug/l	5.0					
Biphenyl	ND	ug/l	5.0					
4-Chloroaniline	ND	ug/l	5.0					
2-Nitroaniline	ND	ug/l	5.0					
3-Nitroaniline	ND	ug/l	5.0					
4-Nitroaniline	ND	ug/l	7.0					
Dibenzofuran	ND	ug/l	5.0					
2-Methylnaphthalene	ND	ug/l	5.0					

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Blank Analysis for sample(s) 01 (WG313450-1)								
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0304 14:30	0305 14:33	AK
1,2,4,5-Tetrachlorobenzene	ND	ug/l	20.					
Acetophenone	ND	ug/l	20.					
2,4,6-Trichlorophenol	ND	ug/l	5.0					
P-Chloro-M-Cresol	ND	ug/l	5.0					
2-Chlorophenol	ND	ug/l	6.0					
2,4-Dichlorophenol	ND	ug/l	10.					
2,4-Dimethylphenol	ND	ug/l	10.					
2-Nitrophenol	ND	ug/l	20.					
4-Nitrophenol	ND	ug/l	10.					
2,4-Dinitrophenol	ND	ug/l	30.					
4,6-Dinitro-o-cresol	ND	ug/l	20.					
Pentachlorophenol	ND	ug/l	10.					
Phenol	ND	ug/l	7.0					
2-Methylphenol	ND	ug/l	6.0					
3-Methylphenol/4-Methylphenol	ND	ug/l	6.0					
2,4,5-Trichlorophenol	ND	ug/l	5.0					
Benzoic Acid	ND	ug/l	50.					
Benzyl Alcohol	ND	ug/l	10.					
Carbazole	ND	ug/l	5.0					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	34.0	%	21-120					
Phenol-d6	28.0	%	10-120					
Nitrobenzene-d5	68.0	%	23-120					
2-Fluorobiphenyl	63.0	%	43-120					
2,4,6-Tribromophenol	76.0	%	10-120					
4-Terphenyl-d14	83.0	%	33-120					
Blank Analysis for sample(s) 02-09 (WG313379-1)								
Polychlorinated Biphenyls by EPA 8082				1	8082	0303 19:00	0306 02:07	SS
Aroclor 1016	ND	ug/kg	33.3					
Aroclor 1221	ND	ug/kg	33.3					
Aroclor 1232	ND	ug/kg	33.3					
Aroclor 1242	ND	ug/kg	33.3					
Aroclor 1248	ND	ug/kg	33.3					
Aroclor 1254	ND	ug/kg	33.3					
Aroclor 1260	ND	ug/kg	33.3					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	60.0	%	30-150					
Decachlorobiphenyl	71.0	%	30-150					
Blank Analysis for sample(s) 01 (WG313452-1)								
Polychlorinated Biphenyls by EPA 8082				1	8082	0304 14:30	0306 22:47	SS
Aroclor 1016	ND	ug/l	0.100					
Aroclor 1221	ND	ug/l	0.100					

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0802902

Continued

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01 (WG313452-1)								
Polychlorinated Biphenyls by EPA 8082 cont'd				1	8082	0304 14:30	0306 22:47	SS
Aroclor 1232	ND	ug/l	0.100					
Aroclor 1242	ND	ug/l	0.100					
Aroclor 1248	ND	ug/l	0.100					
Aroclor 1254	ND	ug/l	0.100					
Aroclor 1260	ND	ug/l	0.100					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	54.0	%	30-150					
Decachlorobiphenyl	80.0	%	30-150					
Blank Analysis for sample(s) 02-09 (WG313378-1)								
Organochlorine Pesticides by EPA 8081A				1	8081A	0303 18:00	0305 19:50	JB
Delta-BHC	ND	ug/kg	3.33					
Lindane	ND	ug/kg	3.33					
Alpha-BHC	ND	ug/kg	3.33					
Beta-BHC	ND	ug/kg	3.33					
Heptachlor	ND	ug/kg	3.33					
Aldrin	ND	ug/kg	3.33					
Heptachlor epoxide	ND	ug/kg	3.33					
Endrin	ND	ug/kg	3.33					
Endrin ketone	ND	ug/kg	3.33					
Dieldrin	ND	ug/kg	3.33					
4,4'-DDE	ND	ug/kg	3.33					
4,4'-DDD	ND	ug/kg	3.33					
4,4'-DDT	ND	ug/kg	3.33					
Endosulfan I	ND	ug/kg	3.33					
Endosulfan II	ND	ug/kg	3.33					
Endosulfan sulfate	ND	ug/kg	3.33					
Methoxychlor	ND	ug/kg	13.3					
trans-Chlordane	ND	ug/kg	3.33					
Chlordane	ND	ug/kg	33.3					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	63.0	%	30-150					
Decachlorobiphenyl	58.0	%	30-150					
Blank Analysis for sample(s) 01 (WG313451-1)								
Organochlorine Pesticides by EPA 8081A				1	8081A	0304 14:30	0306 14:26	JB
Delta-BHC	ND	ug/l	0.020					
Lindane	ND	ug/l	0.020					
Alpha-BHC	ND	ug/l	0.020					
Beta-BHC	ND	ug/l	0.020					
Heptachlor	ND	ug/l	0.020					
Aldrin	ND	ug/l	0.020					
Heptachlor epoxide	ND	ug/l	0.020					
Endrin	ND	ug/l	0.040					

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0802902

Continued

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01 (WG313451-1)								
Organochlorine Pesticides by EPA 8081A cont'd				1	8081A	0304 14:30	0306 14:26	JB
Endrin ketone	ND	ug/l	0.040					
Dieldrin	ND	ug/l	0.040					
4,4'-DDE	ND	ug/l	0.040					
4,4'-DDD	ND	ug/l	0.040					
4,4'-DDT	ND	ug/l	0.040					
Endosulfan I	ND	ug/l	0.020					
Endosulfan II	ND	ug/l	0.040					
Endosulfan sulfate	ND	ug/l	0.040					
Methoxychlor	ND	ug/l	0.200					
trans-Chlordane	ND	ug/l	0.020					
Chlordane	ND	ug/l	0.200					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	48.0	%	30-150					
Decachlorobiphenyl	39.0	%	30-150					

REFERENCES

1. Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30. Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

GLOSSARY OF TERMS AND SYMBOLS

REF	Reference number in which test method may be found.
METHOD	Method number by which analysis was performed.
ID	Initials of the analyst.
ND	Not detected in comparison to the reported detection limit.
NI	Not Ignitable.
ug/cart	Micrograms per Cartridge.
H	The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

LIMITATION OF LIABILITIES

Alpha Analytical, Inc. performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical, Inc., shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical, Inc. be held liable for any incidental consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical, Inc.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding times and splitting of samples in the field.

CHAIN OF CUSTODY PAGE 1 OF

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 2/29/08

ALPHA Job #: L0802902

Client Information

Client: AKRF
Address: 440 Park Ave South, 7th fl.
New York, NY 10016
Phone: 917-617-0921
Fax:
Email: akleyn@akrf.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 487 W. 129th Street
Project Location: New York, NY
Project #: 10825
Project Manager: Asya Kleyn
ALPHA Quote #:

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 2/7/08 Time:

Report Information - Data Deliverables

☐ FAX ☐ EMAIL
☑ ADEx ☐ Add'l Deliverables

Billing Information

☑ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program: Criteria: NY State ASP A

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTOCOLS

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

ANALYSIS: VOCs 8260 | SVOCs 8270 | PCBs | Pesticides 8082 | TAL Metals 8081 | TAL Metals (filter) | TAL Metals (unfilt.)

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☑ Lab to do
Preservation
☐ Lab to do
(Please specify below)

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs 8260	SVOCs 8270	PCBs	Pesticides 8082	TAL Metals 8081	TAL Metals (filter)	TAL Metals (unfilt.)	Sample Specific Comments
02902-1	FB-1	2/29/08	1120	W	AK	X	X	X	X		X	X	
2	SB-1 (0-2')		1000	S		X	X	X	X	X			
3	SB-2 (0-2')		920			X	X	X	X	X			
4	SB-2 (12-14')		945			X	X	X	X	X			
5	SB-3 (0-2')		1015			X	X	X	X	X			
6	SB-4 (0-3')		1030			X	X	X	X	X			
7	SB-4 (5-7')		1045			X	X	X	X	X			
8	SB-5 (0-3')		1100			X	X	X	X	X			
9	SB-5 (5-7')		1115			X	X	X	X	X			
10	FD-1		1110			X	X	X	X	X			
	TB-1	2/25/08	2100	W	KO2	X							

Container Type
Preservative

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
Asya Kleyn	2/29 2:00PM	[illegible]	2/29 14:00
Dan Banks	2/29/8 16:15	Dan Banks	2/29/8 1645
			2/29/08 1850

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms. See reverse side.

FORM NO: 01-01 (rev. 30-JUL-07)

ANALYTICAL REPORT

Lab Number:	L1423865
Client:	AKRF, Inc. 440 Park Avenue South 7th Floor New York, NY 10016
ATTN:	Asya Bychkov
Phone:	(646) 388-9533
Project Name:	487 W. 129TH ST.
Project Number:	10825
Report Date:	10/16/14

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 487 W. 129TH ST.
Project Number: 10825

Lab Number: L1423865
Report Date: 10/16/14

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1423865-01	GW-1	WATER	NEW YORK, NY	10/08/14 14:30	10/09/14
L1423865-02	GW-2	WATER	NEW YORK, NY	10/07/14 12:30	10/09/14
L1423865-03	GW-3	WATER	NEW YORK, NY	10/08/14 10:00	10/09/14
L1423865-04	GW-4	WATER	NEW YORK, NY	10/08/14 09:45	10/09/14
L1423865-05	WC-1-8'-10'	SOIL	NEW YORK, NY	10/08/14 13:45	10/09/14
L1423865-06	WC-1-12'-14'	SOIL	NEW YORK, NY	10/08/14 14:15	10/09/14
L1423865-07	WC-2-3'-5'	SOIL	NEW YORK, NY	10/07/14 12:15	10/09/14
L1423865-08	WC-2-12'-14'	SOIL	NEW YORK, NY	10/07/14 12:15	10/09/14
L1423865-09	WC-3 3'-5'	SOIL	NEW YORK, NY	10/07/14 15:30	10/09/14
L1423865-10	WC-3 26'-28'	SOIL	NEW YORK, NY	10/07/14 15:45	10/09/14
L1423865-11	WC-4-7'-9'	SOIL	NEW YORK, NY	10/07/14 16:55	10/09/14
L1423865-12	WC-4 26'-28'	SOIL	NEW YORK, NY	10/07/14 17:25	10/09/14

Project Name: 487 W. 129TH ST.
Project Number: 10825

Lab Number: L1423865
Report Date: 10/16/14

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865
Project Number: 10825 **Report Date:** 10/16/14

Case Narrative (continued)

Report Submission
All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt
L1423865-07: The water-preserved VOA vials for Volatile Organics Low-Level analysis were frozen beyond the 48 hour holding time. The client was notified and the results of the analysis are reported.

Volatile Organics
L1423865-07: The internal standard (IS) response for 1,4-dichlorobenzene-d4 (47%) was outside the acceptance criteria; however, re-analysis achieved similar results: 1,4-dichlorobenzene-d4 (48%) and and the surrogate recovery for 4-bromofluorobenzene (156%). The results of both analyses are reported.
L1423865-07: A discrepancy was observed between the results of the original analysis and the re-analysis. This was attributed to the sample matrix.
L1423865-08 has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

Semivolatile Organics by SIM
L1423865-07: The surrogate recoveries are below the acceptance criteria for 2-fluorophenol, phenol-d6, nitrobenzene-d5, 2-fluorobiphenyl, 2,4,6-tribromophenol, and 4-terphenyl-d14 (all at 0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

PCBs
L1423865-01 through -04 have elevated detection limits due to limited sample volumes available for analysis.

Pesticides
The WG730226-2 LCS recoveries, associated with L1423865-01 through -04, were outside the acceptance

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865
Project Number: 10825 **Report Date:** 10/16/14

Case Narrative (continued)

criteria for individual target compounds; however, re-extraction could not be performed due to lack of additional sample. The results of the original analyses are reported.

Total Metals

L1423865-05 through -12 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.

The WG730094-4 MS recoveries for aluminum (497%), iron (1100%), and manganese (199%), performed on L1423865-05, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG730094-4 MS recovery, performed on L1423865-05, is outside the acceptance criteria for antimony (64%). A post digestion spike was performed and yielded an unacceptable recovery of 78%. This has been attributed to sample matrix.

Dissolved Metals

The WG731583-4 MS recovery for sodium (60%), performed on L1423865-01, does not apply because the sample concentration is greater than four times the spike amount added.

The WG731583-4 MS recoveries, performed on L1423865-01, are outside the acceptance criteria for magnesium (225%) and potassium (169%). A post digestion spike was performed and was within acceptance criteria.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Cristin Walker

Title: Technical Director/Representative Date: 10/16/14

ORGANICS

VOLATILES

Project Name: 487 W. 129TH ST.
Lab Number: L1423865
Project Number: 10825
Report Date: 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-01
Client ID: GW-1
Sample Location: NEW YORK, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/11/14 23:13
Analyst: PD

Date Collected: 10/08/14 14:30
Date Received: 10/09/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.82		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-01 Date Collected: 10/08/14 14:30

Client ID: GW-1 Date Received: 10/09/14

Sample Location: NEW YORK, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	1.6	J	ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	1.6	J	ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-01 Date Collected: 10/08/14 14:30

Client ID: GW-1 Date Received: 10/09/14

Sample Location: NEW YORK, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	104		70-130

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-02 D
Client ID: GW-2
Sample Location: NEW YORK, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/12/14 00:56
Analyst: PD

Date Collected: 10/07/14 12:30
Date Received: 10/09/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	62	18.	25
1,1-Dichloroethane	ND		ug/l	62	18.	25
Chloroform	ND		ug/l	62	18.	25
Carbon tetrachloride	ND		ug/l	12	3.4	25
1,2-Dichloropropane	ND		ug/l	25	3.3	25
Dibromochloromethane	ND		ug/l	12	3.7	25
1,1,2-Trichloroethane	ND		ug/l	38	12.	25
Tetrachloroethene	ND		ug/l	12	4.5	25
Chlorobenzene	ND		ug/l	62	18.	25
Trichlorofluoromethane	ND		ug/l	62	18.	25
1,2-Dichloroethane	ND		ug/l	12	3.3	25
1,1,1-Trichloroethane	ND		ug/l	62	18.	25
Bromodichloromethane	ND		ug/l	12	4.8	25
trans-1,3-Dichloropropene	ND		ug/l	12	4.1	25
cis-1,3-Dichloropropene	ND		ug/l	12	3.6	25
1,3-Dichloropropene, Total	ND		ug/l	12	3.6	25
1,1-Dichloropropene	ND		ug/l	62	18.	25
Bromoform	ND		ug/l	50	16.	25
1,1,2,2-Tetrachloroethane	ND		ug/l	12	3.6	25
Benzene	ND		ug/l	12	4.0	25
Toluene	ND		ug/l	62	18.	25
Ethylbenzene	300		ug/l	62	18.	25
Chloromethane	ND		ug/l	62	18.	25
Bromomethane	ND		ug/l	62	18.	25
Vinyl chloride	ND		ug/l	25	8.2	25
Chloroethane	ND		ug/l	62	18.	25
1,1-Dichloroethene	ND		ug/l	12	3.6	25
trans-1,2-Dichloroethene	ND		ug/l	62	18.	25
Trichloroethene	ND		ug/l	12	4.4	25
1,2-Dichlorobenzene	ND		ug/l	62	18.	25

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-02 D Date Collected: 10/07/14 12:30
Client ID: GW-2 Date Received: 10/09/14
Sample Location: NEW YORK, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	62	18.	25
1,4-Dichlorobenzene	ND		ug/l	62	18.	25
Methyl tert butyl ether	ND		ug/l	62	18.	25
p/m-Xylene	800		ug/l	62	18.	25
o-Xylene	59	J	ug/l	62	18.	25
Xylenes, Total	860	J	ug/l	62	18.	25
cis-1,2-Dichloroethene	ND		ug/l	62	18.	25
1,2-Dichloroethene, Total	ND		ug/l	62	18.	25
Dibromomethane	ND		ug/l	120	25.	25
1,2,3-Trichloropropane	ND		ug/l	62	18.	25
Acrylonitrile	ND		ug/l	120	38.	25
Styrene	ND		ug/l	62	18.	25
Dichlorodifluoromethane	ND		ug/l	120	25.	25
Acetone	ND		ug/l	120	36.	25
Carbon disulfide	ND		ug/l	120	25.	25
2-Butanone	ND		ug/l	120	48.	25
Vinyl acetate	ND		ug/l	120	25.	25
4-Methyl-2-pentanone	ND		ug/l	120	25.	25
2-Hexanone	ND		ug/l	120	25.	25
Bromochloromethane	ND		ug/l	62	18.	25
2,2-Dichloropropane	ND		ug/l	62	18.	25
1,2-Dibromoethane	ND		ug/l	50	16.	25
1,3-Dichloropropane	ND		ug/l	62	18.	25
1,1,1,2-Tetrachloroethane	ND		ug/l	62	18.	25
Bromobenzene	ND		ug/l	62	18.	25
n-Butylbenzene	73		ug/l	62	18.	25
sec-Butylbenzene	ND		ug/l	62	18.	25
tert-Butylbenzene	ND		ug/l	62	18.	25
o-Chlorotoluene	ND		ug/l	62	18.	25
p-Chlorotoluene	ND		ug/l	62	18.	25
1,2-Dibromo-3-chloropropane	ND		ug/l	62	18.	25
Hexachlorobutadiene	ND		ug/l	62	18.	25
Isopropylbenzene	120		ug/l	62	18.	25
p-Isopropyltoluene	88		ug/l	62	18.	25
Naphthalene	860		ug/l	62	18.	25
n-Propylbenzene	160		ug/l	62	18.	25
1,2,3-Trichlorobenzene	ND		ug/l	62	18.	25
1,2,4-Trichlorobenzene	ND		ug/l	62	18.	25
1,3,5-Trimethylbenzene	410		ug/l	62	18.	25

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-02 D Date Collected: 10/07/14 12:30

Client ID: GW-2 Date Received: 10/09/14

Sample Location: NEW YORK, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	1600		ug/l	62	18.	25
1,4-Dioxane	ND		ug/l	6200	1000	25
p-Diethylbenzene	74		ug/l	50	18.	25
p-Ethyltoluene	1100		ug/l	50	18.	25
1,2,4,5-Tetramethylbenzene	340		ug/l	50	16.	25
Ethyl ether	ND		ug/l	62	18.	25
trans-1,4-Dichloro-2-butene	ND		ug/l	62	18.	25

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	100		70-130

Project Name: 487 W. 129TH ST.
Lab Number: L1423865
Project Number: 10825
Report Date: 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-03
Client ID: GW-3
Sample Location: NEW YORK, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/11/14 23:48
Analyst: PD

Date Collected: 10/08/14 10:00
Date Received: 10/09/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.58		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-03 Date Collected: 10/08/14 10:00

Client ID: GW-3 Date Received: 10/09/14

Sample Location: NEW YORK, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	0.94	J	ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	0.94	J	ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-03 Date Collected: 10/08/14 10:00

Client ID: GW-3 Date Received: 10/09/14

Sample Location: NEW YORK, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	103		70-130

Project Name: 487 W. 129TH ST.
Lab Number: L1423865
Project Number: 10825
Report Date: 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-04
Client ID: GW-4
Sample Location: NEW YORK, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/12/14 00:22
Analyst: PD

Date Collected: 10/08/14 09:45
Date Received: 10/09/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	11		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	1.9		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	2.1		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-04 Date Collected: 10/08/14 09:45

Client ID: GW-4 Date Received: 10/09/14

Sample Location: NEW YORK, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	20		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	20		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-04 Date Collected: 10/08/14 09:45

Client ID: GW-4 Date Received: 10/09/14

Sample Location: NEW YORK, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	104		70-130

Project Name: 487 W. 129TH ST.
Lab Number: L1423865
Project Number: 10825
Report Date: 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-05
Client ID: WC-1-8'-10'
Sample Location: NEW YORK, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/16/14 09:11
Analyst: BN
Percent Solids: 86%

Date Collected: 10/08/14 13:45
Date Received: 10/09/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.10	1
Chloroform	ND		ug/kg	1.7	0.41	1
Carbon tetrachloride	ND		ug/kg	1.1	0.23	1
1,2-Dichloropropane	ND		ug/kg	3.9	0.25	1
Dibromochloromethane	ND		ug/kg	1.1	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.34	1
Tetrachloroethene	ND		ug/kg	1.1	0.16	1
Chlorobenzene	ND		ug/kg	1.1	0.39	1
Trichlorofluoromethane	ND		ug/kg	5.6	0.43	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.13	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.19	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
1,3-Dichloropropene, Total	ND		ug/kg	1.1	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.6	0.16	1
Bromoform	ND		ug/kg	4.5	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.11	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.7	0.22	1
Ethylbenzene	ND		ug/kg	1.1	0.14	1
Chloromethane	ND		ug/kg	5.6	0.33	1
Bromomethane	ND		ug/kg	2.2	0.38	1
Vinyl chloride	ND		ug/kg	2.2	0.13	1
Chloroethane	ND		ug/kg	2.2	0.35	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.24	1
Trichloroethene	ND		ug/kg	1.1	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	5.6	0.17	1

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-05 Date Collected: 10/08/14 13:45

Client ID: WC-1-8'-10' Date Received: 10/09/14

Sample Location: NEW YORK, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.6	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	5.6	0.15	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.09	1
p/m-Xylene	ND		ug/kg	2.2	0.22	1
o-Xylene	ND		ug/kg	2.2	0.19	1
Xylene (Total)	ND		ug/kg	2.2	0.19	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
1,2-Dichloroethene (total)	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	11	0.18	1
Styrene	ND		ug/kg	2.2	0.45	1
Dichlorodifluoromethane	ND		ug/kg	11	0.21	1
Acetone	ND		ug/kg	11	1.2	1
Carbon disulfide	ND		ug/kg	11	1.2	1
2-Butanone	ND		ug/kg	11	0.30	1
Vinyl acetate	ND		ug/kg	11	0.15	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.27	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.18	1
2-Hexanone	ND		ug/kg	11	0.74	1
Bromochloromethane	ND		ug/kg	5.6	0.31	1
2,2-Dichloropropane	ND		ug/kg	5.6	0.25	1
1,2-Dibromoethane	ND		ug/kg	4.5	0.19	1
1,3-Dichloropropane	ND		ug/kg	5.6	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.36	1
Bromobenzene	ND		ug/kg	5.6	0.23	1
n-Butylbenzene	ND		ug/kg	1.1	0.13	1
sec-Butylbenzene	ND		ug/kg	1.1	0.14	1
tert-Butylbenzene	ND		ug/kg	5.6	0.15	1
o-Chlorotoluene	ND		ug/kg	5.6	0.18	1
p-Chlorotoluene	ND		ug/kg	5.6	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.6	0.44	1
Hexachlorobutadiene	ND		ug/kg	5.6	0.25	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.14	1
Naphthalene	ND		ug/kg	5.6	0.15	1
Acrylonitrile	ND		ug/kg	11	0.57	1
n-Propylbenzene	ND		ug/kg	1.1	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.6	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.6	0.20	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.6	0.16	1

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-05 Date Collected: 10/08/14 13:45

Client ID: WC-1-8'-10' Date Received: 10/09/14

Sample Location: NEW YORK, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.6	0.16	1
1,4-Dioxane	ND		ug/kg	110	16.	1
1,4-Diethylbenzene	ND		ug/kg	4.5	0.18	1
4-Ethyltoluene	ND		ug/kg	4.5	0.14	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.5	0.14	1
Ethyl ether	0.47	J	ug/kg	5.6	0.29	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.6	0.44	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	103		70-130

Project Name: 487 W. 129TH ST.
Lab Number: L1423865
Project Number: 10825
Report Date: 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-06
Client ID: WC-1-12'-14'
Sample Location: NEW YORK, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/16/14 09:38
Analyst: BN
Percent Solids: 78%

Date Collected: 10/08/14 14:15
Date Received: 10/09/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	1.3	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.10	1
Chloroform	ND		ug/kg	1.8	0.45	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
1,2-Dichloropropane	ND		ug/kg	4.2	0.28	1
Dibromochloromethane	ND		ug/kg	1.2	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.37	1
Tetrachloroethene	ND		ug/kg	1.2	0.17	1
Chlorobenzene	ND		ug/kg	1.2	0.42	1
Trichlorofluoromethane	ND		ug/kg	6.1	0.47	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.13	1
Bromodichloromethane	ND		ug/kg	1.2	0.21	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	1.2	0.14	1
1,1-Dichloropropene	ND		ug/kg	6.1	0.17	1
Bromoform	ND		ug/kg	4.8	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.12	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.24	1
Ethylbenzene	ND		ug/kg	1.2	0.15	1
Chloromethane	ND		ug/kg	6.1	0.36	1
Bromomethane	ND		ug/kg	2.4	0.41	1
Vinyl chloride	ND		ug/kg	2.4	0.14	1
Chloroethane	ND		ug/kg	2.4	0.38	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.26	1
Trichloroethene	ND		ug/kg	1.2	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	6.1	0.18	1

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-06 Date Collected: 10/08/14 14:15

Client ID: WC-1-12'-14' Date Received: 10/09/14

Sample Location: NEW YORK, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	6.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	6.1	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.10	1
p/m-Xylene	ND		ug/kg	2.4	0.24	1
o-Xylene	ND		ug/kg	2.4	0.21	1
Xylene (Total)	ND		ug/kg	2.4	0.21	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.17	1
1,2-Dichloroethene (total)	ND		ug/kg	1.2	0.17	1
Dibromomethane	ND		ug/kg	12	0.20	1
Styrene	ND		ug/kg	2.4	0.49	1
Dichlorodifluoromethane	ND		ug/kg	12	0.23	1
Acetone	ND		ug/kg	12	1.2	1
Carbon disulfide	ND		ug/kg	12	1.3	1
2-Butanone	ND		ug/kg	12	0.33	1
Vinyl acetate	ND		ug/kg	12	0.16	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.30	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.20	1
2-Hexanone	ND		ug/kg	12	0.81	1
Bromochloromethane	ND		ug/kg	6.1	0.33	1
2,2-Dichloropropane	ND		ug/kg	6.1	0.27	1
1,2-Dibromoethane	ND		ug/kg	4.8	0.21	1
1,3-Dichloropropane	ND		ug/kg	6.1	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.38	1
Bromobenzene	ND		ug/kg	6.1	0.25	1
n-Butylbenzene	ND		ug/kg	1.2	0.14	1
sec-Butylbenzene	ND		ug/kg	1.2	0.15	1
tert-Butylbenzene	ND		ug/kg	6.1	0.16	1
o-Chlorotoluene	ND		ug/kg	6.1	0.19	1
p-Chlorotoluene	ND		ug/kg	6.1	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.1	0.48	1
Hexachlorobutadiene	ND		ug/kg	6.1	0.28	1
Isopropylbenzene	ND		ug/kg	1.2	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.15	1
Naphthalene	ND		ug/kg	6.1	0.17	1
Acrylonitrile	ND		ug/kg	12	0.62	1
n-Propylbenzene	ND		ug/kg	1.2	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.1	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.1	0.22	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.1	0.17	1

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-06 Date Collected: 10/08/14 14:15

Client ID: WC-1-12'-14' Date Received: 10/09/14

Sample Location: NEW YORK, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	6.1	0.17	1
1,4-Dioxane	ND		ug/kg	120	17.	1
1,4-Diethylbenzene	ND		ug/kg	4.8	0.19	1
4-Ethyltoluene	ND		ug/kg	4.8	0.15	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.8	0.16	1
Ethyl ether	0.62	J	ug/kg	6.1	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.1	0.48	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	104		70-130

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-07
Client ID: WC-2-3'-5'
Sample Location: NEW YORK, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/16/14 10:04
Analyst: BN
Percent Solids: 80%

Date Collected: 10/07/14 12:15
Date Received: 10/09/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	17	1.9	1
1,1-Dichloroethane	ND		ug/kg	2.5	0.14	1
Chloroform	ND		ug/kg	2.5	0.63	1
Carbon tetrachloride	ND		ug/kg	1.7	0.36	1
1,2-Dichloropropane	ND		ug/kg	5.9	0.39	1
Dibromochloromethane	ND		ug/kg	1.7	0.26	1
1,1,2-Trichloroethane	ND		ug/kg	2.5	0.51	1
Tetrachloroethene	ND		ug/kg	1.7	0.24	1
Chlorobenzene	ND		ug/kg	1.7	0.59	1
Trichlorofluoromethane	ND		ug/kg	8.5	0.66	1
1,2-Dichloroethane	ND		ug/kg	1.7	0.19	1
1,1,1-Trichloroethane	ND		ug/kg	1.7	0.19	1
Bromodichloromethane	ND		ug/kg	1.7	0.29	1
trans-1,3-Dichloropropene	ND		ug/kg	1.7	0.20	1
cis-1,3-Dichloropropene	ND		ug/kg	1.7	0.20	1
1,3-Dichloropropene, Total	ND		ug/kg	1.7	0.20	1
1,1-Dichloropropene	ND		ug/kg	8.5	0.24	1
Bromoform	ND		ug/kg	6.8	0.40	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.7	0.17	1
Benzene	ND		ug/kg	1.7	0.20	1
Toluene	ND		ug/kg	2.5	0.33	1
Ethylbenzene	ND		ug/kg	1.7	0.22	1
Chloromethane	ND		ug/kg	8.5	0.50	1
Bromomethane	ND		ug/kg	3.4	0.57	1
Vinyl chloride	ND		ug/kg	3.4	0.20	1
Chloroethane	ND		ug/kg	3.4	0.54	1
1,1-Dichloroethene	ND		ug/kg	1.7	0.44	1
trans-1,2-Dichloroethene	ND		ug/kg	2.5	0.36	1
Trichloroethene	ND		ug/kg	1.7	0.21	1
1,2-Dichlorobenzene	ND		ug/kg	8.5	0.26	1

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-07 Date Collected: 10/07/14 12:15

Client ID: WC-2-3'-5' Date Received: 10/09/14

Sample Location: NEW YORK, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	8.5	0.23	1
1,4-Dichlorobenzene	ND		ug/kg	8.5	0.23	1
Methyl tert butyl ether	ND		ug/kg	3.4	0.14	1
p/m-Xylene	ND		ug/kg	3.4	0.33	1
o-Xylene	ND		ug/kg	3.4	0.29	1
Xylene (Total)	ND		ug/kg	3.4	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	1.7	0.24	1
1,2-Dichloroethene (total)	ND		ug/kg	1.7	0.24	1
Dibromomethane	ND		ug/kg	17	0.28	1
Styrene	ND		ug/kg	3.4	0.68	1
Dichlorodifluoromethane	ND		ug/kg	17	0.32	1
Acetone	10	J	ug/kg	17	1.8	1
Carbon disulfide	ND		ug/kg	17	1.9	1
2-Butanone	ND		ug/kg	17	0.46	1
Vinyl acetate	ND		ug/kg	17	0.22	1
4-Methyl-2-pentanone	ND		ug/kg	17	0.41	1
1,2,3-Trichloropropane	ND		ug/kg	17	0.28	1
2-Hexanone	ND		ug/kg	17	1.1	1
Bromochloromethane	ND		ug/kg	8.5	0.47	1
2,2-Dichloropropane	ND		ug/kg	8.5	0.38	1
1,2-Dibromoethane	ND		ug/kg	6.8	0.30	1
1,3-Dichloropropane	ND		ug/kg	8.5	0.24	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.7	0.54	1
Bromobenzene	ND		ug/kg	8.5	0.35	1
n-Butylbenzene	ND		ug/kg	1.7	0.19	1
sec-Butylbenzene	ND		ug/kg	1.7	0.21	1
tert-Butylbenzene	ND		ug/kg	8.5	0.23	1
o-Chlorotoluene	ND		ug/kg	8.5	0.27	1
p-Chlorotoluene	ND		ug/kg	8.5	0.22	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	8.5	0.67	1
Hexachlorobutadiene	ND		ug/kg	8.5	0.39	1
Isopropylbenzene	ND		ug/kg	1.7	0.18	1
p-Isopropyltoluene	ND		ug/kg	1.7	0.21	1
Naphthalene	ND		ug/kg	8.5	0.23	1
Acrylonitrile	ND		ug/kg	17	0.87	1
n-Propylbenzene	ND		ug/kg	1.7	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	8.5	0.25	1
1,2,4-Trichlorobenzene	ND		ug/kg	8.5	0.31	1
1,3,5-Trimethylbenzene	ND		ug/kg	8.5	0.24	1

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-07 Date Collected: 10/07/14 12:15

Client ID: WC-2-3'-5' Date Received: 10/09/14

Sample Location: NEW YORK, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	8.5	0.24	1
1,4-Dioxane	ND		ug/kg	170	24.	1
1,4-Diethylbenzene	ND		ug/kg	6.8	0.27	1
4-Ethyltoluene	ND		ug/kg	6.8	0.21	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	6.8	0.22	1
Ethyl ether	0.76	J	ug/kg	8.5	0.44	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	8.5	0.66	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	107		70-130

Project Name: 487 W. 129TH ST.
Lab Number: L1423865
Project Number: 10825
Report Date: 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-07 R
Client ID: WC-2-3'-5'
Sample Location: NEW YORK, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/16/14 12:18
Analyst: BN
Percent Solids: 80%

Date Collected: 10/07/14 12:15
Date Received: 10/09/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	17	1.9	1
1,1-Dichloroethane	ND		ug/kg	2.5	0.14	1
Chloroform	ND		ug/kg	2.5	0.63	1
Carbon tetrachloride	ND		ug/kg	1.7	0.36	1
1,2-Dichloropropane	ND		ug/kg	5.9	0.39	1
Dibromochloromethane	ND		ug/kg	1.7	0.26	1
1,1,2-Trichloroethane	ND		ug/kg	2.5	0.51	1
Tetrachloroethene	ND		ug/kg	1.7	0.24	1
Chlorobenzene	ND		ug/kg	1.7	0.59	1
Trichlorofluoromethane	ND		ug/kg	8.5	0.66	1
1,2-Dichloroethane	ND		ug/kg	1.7	0.19	1
1,1,1-Trichloroethane	ND		ug/kg	1.7	0.19	1
Bromodichloromethane	ND		ug/kg	1.7	0.29	1
trans-1,3-Dichloropropene	ND		ug/kg	1.7	0.20	1
cis-1,3-Dichloropropene	ND		ug/kg	1.7	0.20	1
1,3-Dichloropropene, Total	ND		ug/kg	1.7	0.20	1
1,1-Dichloropropene	ND		ug/kg	8.5	0.24	1
Bromoform	ND		ug/kg	6.8	0.40	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.7	0.17	1
Benzene	54		ug/kg	1.7	0.20	1
Toluene	76		ug/kg	2.5	0.33	1
Ethylbenzene	4.8		ug/kg	1.7	0.22	1
Chloromethane	ND		ug/kg	8.5	0.50	1
Bromomethane	ND		ug/kg	3.4	0.57	1
Vinyl chloride	ND		ug/kg	3.4	0.20	1
Chloroethane	ND		ug/kg	3.4	0.54	1
1,1-Dichloroethene	ND		ug/kg	1.7	0.44	1
trans-1,2-Dichloroethene	ND		ug/kg	2.5	0.36	1
Trichloroethene	ND		ug/kg	1.7	0.21	1
1,2-Dichlorobenzene	ND		ug/kg	8.5	0.26	1

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-07 R Date Collected: 10/07/14 12:15

Client ID: WC-2-3'-5' Date Received: 10/09/14

Sample Location: NEW YORK, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	8.5	0.23	1
1,4-Dichlorobenzene	ND		ug/kg	8.5	0.23	1
Methyl tert butyl ether	ND		ug/kg	3.4	0.14	1
p/m-Xylene	29		ug/kg	3.4	0.33	1
o-Xylene	6.2		ug/kg	3.4	0.29	1
Xylene (Total)	35		ug/kg	3.4	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	1.7	0.24	1
1,2-Dichloroethene (total)	ND		ug/kg	1.7	0.24	1
Dibromomethane	ND		ug/kg	17	0.28	1
Styrene	ND		ug/kg	3.4	0.68	1
Dichlorodifluoromethane	ND		ug/kg	17	0.32	1
Acetone	8.6	J	ug/kg	17	1.8	1
Carbon disulfide	ND		ug/kg	17	1.9	1
2-Butanone	ND		ug/kg	17	0.46	1
Vinyl acetate	ND		ug/kg	17	0.22	1
4-Methyl-2-pentanone	ND		ug/kg	17	0.41	1
1,2,3-Trichloropropane	ND		ug/kg	17	0.28	1
2-Hexanone	ND		ug/kg	17	1.1	1
Bromochloromethane	ND		ug/kg	8.5	0.47	1
2,2-Dichloropropane	ND		ug/kg	8.5	0.38	1
1,2-Dibromoethane	ND		ug/kg	6.8	0.30	1
1,3-Dichloropropane	ND		ug/kg	8.5	0.24	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.7	0.54	1
Bromobenzene	ND		ug/kg	8.5	0.35	1
n-Butylbenzene	ND		ug/kg	1.7	0.19	1
sec-Butylbenzene	ND		ug/kg	1.7	0.21	1
tert-Butylbenzene	ND		ug/kg	8.5	0.23	1
o-Chlorotoluene	ND		ug/kg	8.5	0.27	1
p-Chlorotoluene	ND		ug/kg	8.5	0.22	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	8.5	0.67	1
Hexachlorobutadiene	ND		ug/kg	8.5	0.39	1
Isopropylbenzene	ND		ug/kg	1.7	0.18	1
p-Isopropyltoluene	ND		ug/kg	1.7	0.21	1
Naphthalene	3.7	J	ug/kg	8.5	0.23	1
Acrylonitrile	ND		ug/kg	17	0.87	1
n-Propylbenzene	ND		ug/kg	1.7	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	8.5	0.25	1
1,2,4-Trichlorobenzene	ND		ug/kg	8.5	0.31	1
1,3,5-Trimethylbenzene	ND		ug/kg	8.5	0.24	1

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-07 R Date Collected: 10/07/14 12:15

Client ID: WC-2-3'-5' Date Received: 10/09/14

Sample Location: NEW YORK, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	3.8	J	ug/kg	8.5	0.24	1
1,4-Dioxane	ND		ug/kg	170	24.	1
1,4-Diethylbenzene	2.0	J	ug/kg	6.8	0.27	1
4-Ethyltoluene	7.9		ug/kg	6.8	0.21	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	6.8	0.22	1
Ethyl ether	ND		ug/kg	8.5	0.44	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	8.5	0.66	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	**156**	Q	70-130
Dibromofluoromethane	103		70-130

Project Name: 487 W. 129TH ST.
Lab Number: L1423865
Project Number: 10825
Report Date: 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-08 D
Client ID: WC-2-12'-14'
Sample Location: NEW YORK, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/16/14 03:28
Analyst: PP
Percent Solids: 80%

Date Collected: 10/07/14 12:15
Date Received: 10/09/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	2700	J	ug/kg	8800	980	10
1,1-Dichloroethane	ND		ug/kg	1300	76.	10
Chloroform	ND		ug/kg	1300	330	10
Carbon tetrachloride	ND		ug/kg	880	180	10
1,2-Dichloropropane	ND		ug/kg	3100	200	10
Dibromochloromethane	ND		ug/kg	880	140	10
1,1,2-Trichloroethane	ND		ug/kg	1300	270	10
Tetrachloroethene	ND		ug/kg	880	120	10
Chlorobenzene	ND		ug/kg	880	310	10
Trichlorofluoromethane	ND		ug/kg	4400	340	10
1,2-Dichloroethane	ND		ug/kg	880	100	10
1,1,1-Trichloroethane	ND		ug/kg	880	98.	10
Bromodichloromethane	ND		ug/kg	880	150	10
trans-1,3-Dichloropropene	ND		ug/kg	880	110	10
cis-1,3-Dichloropropene	ND		ug/kg	880	100	10
1,3-Dichloropropene, Total	ND		ug/kg	880	100	10
1,1-Dichloropropene	ND		ug/kg	4400	120	10
Bromoform	ND		ug/kg	3500	210	10
1,1,2,2-Tetrachloroethane	ND		ug/kg	880	89.	10
Benzene	ND		ug/kg	880	100	10
Toluene	ND		ug/kg	1300	170	10
Ethylbenzene	ND		ug/kg	880	110	10
Chloromethane	ND		ug/kg	4400	260	10
Bromomethane	ND		ug/kg	1800	300	10
Vinyl chloride	ND		ug/kg	1800	100	10
Chloroethane	ND		ug/kg	1800	280	10
1,1-Dichloroethene	ND		ug/kg	880	230	10
trans-1,2-Dichloroethene	ND		ug/kg	1300	190	10
Trichloroethene	ND		ug/kg	880	110	10
1,2-Dichlorobenzene	ND		ug/kg	4400	140	10

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-08 D Date Collected: 10/07/14 12:15

Client ID: WC-2-12'-14' Date Received: 10/09/14

Sample Location: NEW YORK, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	4400	120	10
1,4-Dichlorobenzene	ND		ug/kg	4400	120	10
Methyl tert butyl ether	ND		ug/kg	1800	75.	10
p/m-Xylene	1200	J	ug/kg	1800	180	10
o-Xylene	ND		ug/kg	1800	150	10
Xylene (Total)	1200	J	ug/kg	1800	150	10
cis-1,2-Dichloroethene	ND		ug/kg	880	130	10
1,2-Dichloroethene (total)	ND		ug/kg	880	130	10
Dibromomethane	ND		ug/kg	8800	140	10
Styrene	ND		ug/kg	1800	360	10
Dichlorodifluoromethane	ND		ug/kg	8800	170	10
Acetone	1600	J	ug/kg	8800	920	10
Carbon disulfide	ND		ug/kg	8800	980	10
2-Butanone	ND		ug/kg	8800	240	10
Vinyl acetate	ND		ug/kg	8800	120	10
4-Methyl-2-pentanone	ND		ug/kg	8800	220	10
1,2,3-Trichloropropane	ND		ug/kg	8800	140	10
2-Hexanone	ND		ug/kg	8800	590	10
Bromochloromethane	ND		ug/kg	4400	240	10
2,2-Dichloropropane	ND		ug/kg	4400	200	10
1,2-Dibromoethane	ND		ug/kg	3500	150	10
1,3-Dichloropropane	ND		ug/kg	4400	130	10
1,1,1,2-Tetrachloroethane	ND		ug/kg	880	280	10
Bromobenzene	ND		ug/kg	4400	180	10
n-Butylbenzene	2500		ug/kg	880	100	10
sec-Butylbenzene	1800		ug/kg	880	110	10
tert-Butylbenzene	ND		ug/kg	4400	120	10
o-Chlorotoluene	ND		ug/kg	4400	140	10
p-Chlorotoluene	ND		ug/kg	4400	120	10
1,2-Dibromo-3-chloropropane	ND		ug/kg	4400	350	10
Hexachlorobutadiene	ND		ug/kg	4400	200	10
Isopropylbenzene	890		ug/kg	880	92.	10
p-Isopropyltoluene	6300		ug/kg	880	110	10
Naphthalene	1600	J	ug/kg	4400	120	10
Acrylonitrile	ND		ug/kg	8800	460	10
n-Propylbenzene	1500		ug/kg	880	97.	10
1,2,3-Trichlorobenzene	ND		ug/kg	4400	130	10
1,2,4-Trichlorobenzene	ND		ug/kg	4400	160	10
1,3,5-Trimethylbenzene	ND		ug/kg	4400	130	10

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-08 D Date Collected: 10/07/14 12:15

Client ID: WC-2-12'-14' Date Received: 10/09/14

Sample Location: NEW YORK, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	19000		ug/kg	4400	120	10
1,4-Dioxane	ND		ug/kg	88000	13000	10
1,4-Diethylbenzene	5800		ug/kg	3500	140	10
4-Ethyltoluene	6300		ug/kg	3500	110	10
1,2,4,5-Tetramethylbenzene	5500		ug/kg	3500	120	10
Ethyl ether	960	J	ug/kg	4400	230	10
trans-1,4-Dichloro-2-butene	ND		ug/kg	4400	350	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	129		70-130
Dibromofluoromethane	101		70-130

Project Name: 487 W. 129TH ST.
Lab Number: L1423865
Project Number: 10825
Report Date: 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-09
Client ID: WC-3 3'-5'
Sample Location: NEW YORK, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/16/14 12:45
Analyst: BN
Percent Solids: 87%

Date Collected: 10/07/14 15:30
Date Received: 10/09/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.10	1
Chloroform	ND		ug/kg	1.6	0.41	1
Carbon tetrachloride	ND		ug/kg	1.1	0.23	1
1,2-Dichloropropane	ND		ug/kg	3.9	0.25	1
Dibromochloromethane	ND		ug/kg	1.1	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.34	1
Tetrachloroethene	ND		ug/kg	1.1	0.15	1
Chlorobenzene	ND		ug/kg	1.1	0.38	1
Trichlorofluoromethane	ND		ug/kg	5.5	0.43	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.19	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
1,3-Dichloropropene, Total	ND		ug/kg	1.1	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.5	0.16	1
Bromoform	ND		ug/kg	4.4	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.11	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.6	0.22	1
Ethylbenzene	ND		ug/kg	1.1	0.14	1
Chloromethane	ND		ug/kg	5.5	0.32	1
Bromomethane	ND		ug/kg	2.2	0.37	1
Vinyl chloride	ND		ug/kg	2.2	0.13	1
Chloroethane	ND		ug/kg	2.2	0.35	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.23	1
Trichloroethene	ND		ug/kg	1.1	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	5.5	0.17	1

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-09 Date Collected: 10/07/14 15:30

Client ID: WC-3 3'-5' Date Received: 10/09/14

Sample Location: NEW YORK, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.5	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	5.5	0.15	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.09	1
p/m-Xylene	ND		ug/kg	2.2	0.22	1
o-Xylene	ND		ug/kg	2.2	0.19	1
Xylene (Total)	ND		ug/kg	2.2	0.19	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
1,2-Dichloroethene (total)	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	11	0.18	1
Styrene	ND		ug/kg	2.2	0.44	1
Dichlorodifluoromethane	ND		ug/kg	11	0.21	1
Acetone	ND		ug/kg	11	1.1	1
Carbon disulfide	ND		ug/kg	11	1.2	1
2-Butanone	ND		ug/kg	11	0.30	1
Vinyl acetate	ND		ug/kg	11	0.15	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.27	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.18	1
2-Hexanone	ND		ug/kg	11	0.74	1
Bromochloromethane	ND		ug/kg	5.5	0.30	1
2,2-Dichloropropane	ND		ug/kg	5.5	0.25	1
1,2-Dibromoethane	ND		ug/kg	4.4	0.19	1
1,3-Dichloropropane	ND		ug/kg	5.5	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.35	1
Bromobenzene	ND		ug/kg	5.5	0.23	1
n-Butylbenzene	ND		ug/kg	1.1	0.13	1
sec-Butylbenzene	ND		ug/kg	1.1	0.13	1
tert-Butylbenzene	ND		ug/kg	5.5	0.15	1
o-Chlorotoluene	ND		ug/kg	5.5	0.18	1
p-Chlorotoluene	ND		ug/kg	5.5	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.5	0.44	1
Hexachlorobutadiene	ND		ug/kg	5.5	0.25	1
Isopropylbenzene	ND		ug/kg	1.1	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.14	1
Naphthalene	ND		ug/kg	5.5	0.15	1
Acrylonitrile	ND		ug/kg	11	0.57	1
n-Propylbenzene	ND		ug/kg	1.1	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.5	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.5	0.20	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.5	0.16	1

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-09 Date Collected: 10/07/14 15:30

Client ID: WC-3 3'-5' Date Received: 10/09/14

Sample Location: NEW YORK, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.5	0.16	1
1,4-Dioxane	ND		ug/kg	110	16.	1
1,4-Diethylbenzene	ND		ug/kg	4.4	0.18	1
4-Ethyltoluene	ND		ug/kg	4.4	0.14	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.4	0.14	1
Ethyl ether	ND		ug/kg	5.5	0.29	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.5	0.43	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	103		70-130

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-10
Client ID: WC-3 26'-28'
Sample Location: NEW YORK, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/16/14 10:58
Analyst: BN
Percent Solids: 79%

Date Collected: 10/07/14 15:45
Date Received: 10/09/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	2.8	J	ug/kg	11	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.10	1
Chloroform	ND		ug/kg	1.7	0.42	1
Carbon tetrachloride	ND		ug/kg	1.1	0.24	1
1,2-Dichloropropane	ND		ug/kg	4.0	0.26	1
Dibromochloromethane	ND		ug/kg	1.1	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.34	1
Tetrachloroethene	ND		ug/kg	1.1	0.16	1
Chlorobenzene	ND		ug/kg	1.1	0.39	1
Trichlorofluoromethane	ND		ug/kg	5.6	0.44	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.13	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.20	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
1,3-Dichloropropene, Total	ND		ug/kg	1.1	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.6	0.16	1
Bromoform	ND		ug/kg	4.5	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.11	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.7	0.22	1
Ethylbenzene	ND		ug/kg	1.1	0.14	1
Chloromethane	ND		ug/kg	5.6	0.33	1
Bromomethane	ND		ug/kg	2.2	0.38	1
Vinyl chloride	ND		ug/kg	2.2	0.13	1
Chloroethane	ND		ug/kg	2.2	0.36	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.24	1
Trichloroethene	ND		ug/kg	1.1	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	5.6	0.17	1

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-10 Date Collected: 10/07/14 15:45

Client ID: WC-3 26'-28' Date Received: 10/09/14

Sample Location: NEW YORK, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.6	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	5.6	0.16	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.10	1
p/m-Xylene	ND		ug/kg	2.2	0.22	1
o-Xylene	ND		ug/kg	2.2	0.19	1
Xylene (Total)	ND		ug/kg	2.2	0.19	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
1,2-Dichloroethene (total)	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	11	0.18	1
Styrene	ND		ug/kg	2.2	0.45	1
Dichlorodifluoromethane	ND		ug/kg	11	0.22	1
Acetone	ND		ug/kg	11	1.2	1
Carbon disulfide	ND		ug/kg	11	1.2	1
2-Butanone	ND		ug/kg	11	0.31	1
Vinyl acetate	ND		ug/kg	11	0.15	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.28	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.18	1
2-Hexanone	ND		ug/kg	11	0.75	1
Bromochloromethane	ND		ug/kg	5.6	0.31	1
2,2-Dichloropropane	ND		ug/kg	5.6	0.26	1
1,2-Dibromoethane	ND		ug/kg	4.5	0.20	1
1,3-Dichloropropane	ND		ug/kg	5.6	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.36	1
Bromobenzene	ND		ug/kg	5.6	0.23	1
n-Butylbenzene	ND		ug/kg	1.1	0.13	1
sec-Butylbenzene	ND		ug/kg	1.1	0.14	1
tert-Butylbenzene	ND		ug/kg	5.6	0.15	1
o-Chlorotoluene	ND		ug/kg	5.6	0.18	1
p-Chlorotoluene	ND		ug/kg	5.6	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.6	0.45	1
Hexachlorobutadiene	ND		ug/kg	5.6	0.26	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.14	1
Naphthalene	ND		ug/kg	5.6	0.16	1
Acrylonitrile	ND		ug/kg	11	0.58	1
n-Propylbenzene	ND		ug/kg	1.1	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.6	0.17	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.6	0.20	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.6	0.16	1

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-10 Date Collected: 10/07/14 15:45

Client ID: WC-3 26'-28' Date Received: 10/09/14

Sample Location: NEW YORK, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.6	0.16	1
1,4-Dioxane	ND		ug/kg	110	16.	1
1,4-Diethylbenzene	ND		ug/kg	4.5	0.18	1
4-Ethyltoluene	ND		ug/kg	4.5	0.14	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.5	0.15	1
Ethyl ether	ND		ug/kg	5.6	0.29	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.6	0.44	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	103		70-130

Project Name: 487 W. 129TH ST.
Project Number: 10825
Lab Number: L1423865
Report Date: 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-11
Client ID: WC-4-7'-9'
Sample Location: NEW YORK, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/16/14 11:24
Analyst: BN
Percent Solids: 87%

Date Collected: 10/07/14 16:55
Date Received: 10/09/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	9.9	1.1	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09	1
Chloroform	ND		ug/kg	1.5	0.37	1
Carbon tetrachloride	ND		ug/kg	0.99	0.21	1
1,2-Dichloropropane	ND		ug/kg	3.5	0.23	1
Dibromochloromethane	ND		ug/kg	0.99	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30	1
Tetrachloroethene	ND		ug/kg	0.99	0.14	1
Chlorobenzene	ND		ug/kg	0.99	0.34	1
Trichlorofluoromethane	ND		ug/kg	5.0	0.38	1
1,2-Dichloroethane	ND		ug/kg	0.99	0.11	1
1,1,1-Trichloroethane	ND		ug/kg	0.99	0.11	1
Bromodichloromethane	ND		ug/kg	0.99	0.17	1
trans-1,3-Dichloropropene	ND		ug/kg	0.99	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	0.99	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	0.99	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.0	0.14	1
Bromoform	ND		ug/kg	4.0	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.99	0.10	1
Benzene	ND		ug/kg	0.99	0.12	1
Toluene	ND		ug/kg	1.5	0.19	1
Ethylbenzene	ND		ug/kg	0.99	0.13	1
Chloromethane	ND		ug/kg	5.0	0.29	1
Bromomethane	ND		ug/kg	2.0	0.34	1
Vinyl chloride	ND		ug/kg	2.0	0.12	1
Chloroethane	ND		ug/kg	2.0	0.31	1
1,1-Dichloroethene	ND		ug/kg	0.99	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21	1
Trichloroethene	ND		ug/kg	0.99	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15	1

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-11 Date Collected: 10/07/14 16:55

Client ID: WC-4-7'-9' Date Received: 10/09/14

Sample Location: NEW YORK, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.08	1
p/m-Xylene	ND		ug/kg	2.0	0.20	1
o-Xylene	ND		ug/kg	2.0	0.17	1
Xylene (Total)	ND		ug/kg	2.0	0.17	1
cis-1,2-Dichloroethene	ND		ug/kg	0.99	0.14	1
1,2-Dichloroethene (total)	ND		ug/kg	0.99	0.14	1
Dibromomethane	ND		ug/kg	9.9	0.16	1
Styrene	ND		ug/kg	2.0	0.40	1
Dichlorodifluoromethane	ND		ug/kg	9.9	0.19	1
Acetone	ND		ug/kg	9.9	1.0	1
Carbon disulfide	ND		ug/kg	9.9	1.1	1
2-Butanone	ND		ug/kg	9.9	0.27	1
Vinyl acetate	ND		ug/kg	9.9	0.13	1
4-Methyl-2-pentanone	ND		ug/kg	9.9	0.24	1
1,2,3-Trichloropropane	ND		ug/kg	9.9	0.16	1
2-Hexanone	ND		ug/kg	9.9	0.66	1
Bromochloromethane	ND		ug/kg	5.0	0.27	1
2,2-Dichloropropane	ND		ug/kg	5.0	0.22	1
1,2-Dibromoethane	ND		ug/kg	4.0	0.17	1
1,3-Dichloropropane	ND		ug/kg	5.0	0.14	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.99	0.32	1
Bromobenzene	ND		ug/kg	5.0	0.21	1
n-Butylbenzene	ND		ug/kg	0.99	0.11	1
sec-Butylbenzene	ND		ug/kg	0.99	0.12	1
tert-Butylbenzene	ND		ug/kg	5.0	0.13	1
o-Chlorotoluene	ND		ug/kg	5.0	0.16	1
p-Chlorotoluene	ND		ug/kg	5.0	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.39	1
Hexachlorobutadiene	ND		ug/kg	5.0	0.23	1
Isopropylbenzene	ND		ug/kg	0.99	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.99	0.12	1
Naphthalene	ND		ug/kg	5.0	0.14	1
Acrylonitrile	ND		ug/kg	9.9	0.51	1
n-Propylbenzene	ND		ug/kg	0.99	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14	1

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-11 Date Collected: 10/07/14 16:55

Client ID: WC-4-7'-9' Date Received: 10/09/14

Sample Location: NEW YORK, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14	1
1,4-Dioxane	ND		ug/kg	99	14.	1
1,4-Diethylbenzene	ND		ug/kg	4.0	0.16	1
4-Ethyltoluene	ND		ug/kg	4.0	0.12	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13	1
Ethyl ether	ND		ug/kg	5.0	0.26	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	105		70-130

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-12
Client ID: WC-4 26'-28'
Sample Location: NEW YORK, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/16/14 11:51
Analyst: BN
Percent Solids: 81%

Date Collected: 10/07/14 17:25
Date Received: 10/09/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	4.6	J	ug/kg	13	1.4	1
1,1-Dichloroethane	ND		ug/kg	1.9	0.11	1
Chloroform	ND		ug/kg	1.9	0.47	1
Carbon tetrachloride	ND		ug/kg	1.3	0.27	1
1,2-Dichloropropane	ND		ug/kg	4.5	0.29	1
Dibromochloromethane	ND		ug/kg	1.3	0.20	1
1,1,2-Trichloroethane	ND		ug/kg	1.9	0.39	1
Tetrachloroethene	ND		ug/kg	1.3	0.18	1
Chlorobenzene	ND		ug/kg	1.3	0.44	1
Trichlorofluoromethane	ND		ug/kg	6.4	0.50	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	1.3	0.14	1
Bromodichloromethane	ND		ug/kg	1.3	0.22	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.15	1
cis-1,3-Dichloropropene	ND		ug/kg	1.3	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	1.3	0.15	1
1,1-Dichloropropene	ND		ug/kg	6.4	0.18	1
Bromoform	ND		ug/kg	5.1	0.30	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.3	0.13	1
Benzene	ND		ug/kg	1.3	0.15	1
Toluene	ND		ug/kg	1.9	0.25	1
Ethylbenzene	ND		ug/kg	1.3	0.16	1
Chloromethane	ND		ug/kg	6.4	0.38	1
Bromomethane	ND		ug/kg	2.6	0.43	1
Vinyl chloride	ND		ug/kg	2.6	0.15	1
Chloroethane	ND		ug/kg	2.6	0.40	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.34	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.27	1
Trichloroethene	ND		ug/kg	1.3	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	6.4	0.20	1

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-12 Date Collected: 10/07/14 17:25

Client ID: WC-4 26'-28' Date Received: 10/09/14

Sample Location: NEW YORK, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	6.4	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	6.4	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.6	0.11	1
p/m-Xylene	0.85	J	ug/kg	2.6	0.25	1
o-Xylene	ND		ug/kg	2.6	0.22	1
Xylene (Total)	0.85	J	ug/kg	2.6	0.22	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.18	1
1,2-Dichloroethene (total)	ND		ug/kg	1.3	0.18	1
Dibromomethane	ND		ug/kg	13	0.21	1
Styrene	ND		ug/kg	2.6	0.52	1
Dichlorodifluoromethane	ND		ug/kg	13	0.24	1
Acetone	ND		ug/kg	13	1.3	1
Carbon disulfide	ND		ug/kg	13	1.4	1
2-Butanone	ND		ug/kg	13	0.35	1
Vinyl acetate	ND		ug/kg	13	0.17	1
4-Methyl-2-pentanone	ND		ug/kg	13	0.31	1
1,2,3-Trichloropropane	ND		ug/kg	13	0.21	1
2-Hexanone	ND		ug/kg	13	0.85	1
Bromochloromethane	ND		ug/kg	6.4	0.35	1
2,2-Dichloropropane	ND		ug/kg	6.4	0.29	1
1,2-Dibromoethane	ND		ug/kg	5.1	0.22	1
1,3-Dichloropropane	ND		ug/kg	6.4	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.3	0.41	1
Bromobenzene	ND		ug/kg	6.4	0.27	1
n-Butylbenzene	ND		ug/kg	1.3	0.15	1
sec-Butylbenzene	ND		ug/kg	1.3	0.16	1
tert-Butylbenzene	ND		ug/kg	6.4	0.17	1
o-Chlorotoluene	ND		ug/kg	6.4	0.20	1
p-Chlorotoluene	ND		ug/kg	6.4	0.17	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.4	0.51	1
Hexachlorobutadiene	ND		ug/kg	6.4	0.29	1
Isopropylbenzene	ND		ug/kg	1.3	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.16	1
Naphthalene	ND		ug/kg	6.4	0.18	1
Acrylonitrile	ND		ug/kg	13	0.66	1
n-Propylbenzene	ND		ug/kg	1.3	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.4	0.19	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.4	0.23	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.4	0.18	1

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-12 Date Collected: 10/07/14 17:25

Client ID: WC-4 26'-28' Date Received: 10/09/14

Sample Location: NEW YORK, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	6.4	0.18	1
1,4-Dioxane	ND		ug/kg	130	18.	1
1,4-Diethylbenzene	ND		ug/kg	5.1	0.20	1
4-Ethyltoluene	ND		ug/kg	5.1	0.16	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.1	0.17	1
Ethyl ether	ND		ug/kg	6.4	0.33	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.4	0.50	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	105		70-130

Project Name: 487 W. 129TH ST.
Project Number: 10825
Lab Number: L1423865
Report Date: 10/16/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/11/14 15:46
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG730250-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
2-Chloroethylvinyl ether	ND		ug/l	10	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/11/14 15:46
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG730250-3					
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Diisopropyl Ether	ND		ug/l	2.0	0.65
Tert-Butyl Alcohol	ND		ug/l	10	0.90
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Acrolein	ND		ug/l	5.0	0.63
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70

Project Name: 487 W. 129TH ST.
Project Number: 10825
Lab Number: L1423865
Report Date: 10/16/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/11/14 15:46
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG730250-3					
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Ethyl Acetate	ND		ug/l	10	0.70
Cyclohexane	ND		ug/l	10	0.27
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.5	0.70
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	0.28
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Tetrahydrofuran	ND		ug/l	5.0	1.5
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Project Name: 487 W. 129TH ST.
Project Number: 10825
Lab Number: L1423865
Report Date: 10/16/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/11/14 15:46
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG730250-3					
Iodomethane	ND		ug/l	5.0	5.0
Methyl cyclohexane	ND		ug/l	10	0.40

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	99		70-130

Project Name: 487 W. 129TH ST.
Project Number: 10825
Lab Number: L1423865
Report Date: 10/16/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/15/14 19:03
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 08 Batch: WG731550-3					
Methylene chloride	ND		ug/kg	500	55.
1,1-Dichloroethane	ND		ug/kg	75	4.3
Chloroform	ND		ug/kg	75	18.
Carbon tetrachloride	ND		ug/kg	50	10.
1,2-Dichloropropane	ND		ug/kg	180	11.
Dibromochloromethane	ND		ug/kg	50	7.7
2-Chloroethylvinyl ether	ND		ug/kg	1000	31.
1,1,2-Trichloroethane	ND		ug/kg	75	15.
Tetrachloroethene	ND		ug/kg	50	7.0
Chlorobenzene	ND		ug/kg	50	17.
Trichlorofluoromethane	ND		ug/kg	250	19.
1,2-Dichloroethane	ND		ug/kg	50	5.7
1,1,1-Trichloroethane	ND		ug/kg	50	5.5
Bromodichloromethane	ND		ug/kg	50	8.7
trans-1,3-Dichloropropene	ND		ug/kg	50	6.0
cis-1,3-Dichloropropene	ND		ug/kg	50	5.9
1,3-Dichloropropene, Total	ND		ug/kg	50	5.9
1,1-Dichloropropene	ND		ug/kg	250	7.1
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	5.0
Benzene	ND		ug/kg	50	5.9
Toluene	ND		ug/kg	75	9.7
Ethylbenzene	ND		ug/kg	50	6.4
Chloromethane	ND		ug/kg	250	15.
Bromomethane	ND		ug/kg	100	17.
Vinyl chloride	ND		ug/kg	100	5.9
Chloroethane	ND		ug/kg	100	16.
1,1-Dichloroethene	ND		ug/kg	50	13.
trans-1,2-Dichloroethene	ND		ug/kg	75	11.

Project Name: 487 W. 129TH ST.
Project Number: 10825
Lab Number: L1423865
Report Date: 10/16/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/15/14 19:03
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 08 Batch: WG731550-3					
Trichloroethene	ND		ug/kg	50	6.2
1,2-Dichlorobenzene	ND		ug/kg	250	7.7
1,3-Dichlorobenzene	ND		ug/kg	250	6.8
1,4-Dichlorobenzene	27	J	ug/kg	250	6.9
Methyl tert butyl ether	ND		ug/kg	100	4.2
p/m-Xylene	ND		ug/kg	100	9.9
o-Xylene	ND		ug/kg	100	8.6
Xylene (Total)	ND		ug/kg	100	8.6
cis-1,2-Dichloroethene	ND		ug/kg	50	7.1
1,2-Dichloroethene (total)	ND		ug/kg	50	7.1
Dibromomethane	ND		ug/kg	500	8.2
Styrene	ND		ug/kg	100	20.
Dichlorodifluoromethane	ND		ug/kg	500	9.5
Acetone	170	J	ug/kg	500	52.
Carbon disulfide	ND		ug/kg	500	55.
2-Butanone	ND		ug/kg	500	14.
Vinyl acetate	ND		ug/kg	500	6.6
4-Methyl-2-pentanone	ND		ug/kg	500	12.
1,2,3-Trichloropropane	ND		ug/kg	500	8.1
2-Hexanone	ND		ug/kg	500	33.
Bromochloromethane	ND		ug/kg	250	14.
2,2-Dichloropropane	ND		ug/kg	250	11.
1,2-Dibromoethane	ND		ug/kg	200	8.7
1,3-Dichloropropane	ND		ug/kg	250	7.3
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	16.
Bromobenzene	ND		ug/kg	250	10.
n-Butylbenzene	ND		ug/kg	50	5.7
sec-Butylbenzene	ND		ug/kg	50	6.1
tert-Butylbenzene	ND		ug/kg	250	6.8

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/15/14 19:03
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 08 Batch: WG731550-3					
o-Chlorotoluene	ND		ug/kg	250	8.0
p-Chlorotoluene	ND		ug/kg	250	6.6
1,2-Dibromo-3-chloropropane	ND		ug/kg	250	20.
Hexachlorobutadiene	ND		ug/kg	250	11.
Isopropylbenzene	ND		ug/kg	50	5.2
p-Isopropyltoluene	ND		ug/kg	50	6.2
Naphthalene	ND		ug/kg	250	6.9
Acrylonitrile	ND		ug/kg	500	26.
Isopropyl Ether	ND		ug/kg	200	7.0
tert-Butyl Alcohol	ND		ug/kg	3000	150
n-Propylbenzene	ND		ug/kg	50	5.5
1,2,3-Trichlorobenzene	ND		ug/kg	250	7.4
1,2,4-Trichlorobenzene	ND		ug/kg	250	9.1
1,3,5-Trimethylbenzene	ND		ug/kg	250	7.2
1,2,4-Trimethylbenzene	ND		ug/kg	250	7.1
Methyl Acetate	ND		ug/kg	1000	14.
Ethyl Acetate	ND		ug/kg	1000	46.
Cyclohexane	ND		ug/kg	1000	7.3
1,4-Dioxane	ND		ug/kg	5000	720
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	1000	14.
1,4-Diethylbenzene	ND		ug/kg	200	8.0
4-Ethyltoluene	ND		ug/kg	200	6.2
1,2,4,5-Tetramethylbenzene	ND		ug/kg	200	6.5
Tetrahydrofuran	ND		ug/kg	1000	50.
Ethyl ether	ND		ug/kg	250	13.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	20.
Methyl cyclohexane	ND		ug/kg	200	7.7
Ethyl-Tert-Butyl-Ether	ND		ug/kg	200	5.8
Tertiary-Amyl Methyl Ether	ND		ug/kg	200	4.8

Project Name: 487 W. 129TH ST.
Project Number: 10825

Lab Number: L1423865
Report Date: 10/16/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/15/14 19:03
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 08 Batch: WG731550-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	98		70-130

Project Name: 487 W. 129TH ST.
Project Number: 10825
Lab Number: L1423865
Report Date: 10/16/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/16/14 08:44
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 05-07,09-12 Batch: WG731671-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
2-Chloroethylvinyl ether	ND		ug/kg	20	0.62
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/16/14 08:44
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 05-07,09-12 Batch: WG731671-3					
Trichloroethene	ND		ug/kg	1.0	0.12
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	0.40	J	ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
Xylene (Total)	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
1,2-Dichloroethene (total)	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14

Project Name: 487 W. 129TH ST.
Project Number: 10825
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Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/16/14 08:44
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 05-07,09-12 Batch: WG731671-3					
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.13
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
Isopropyl Ether	ND		ug/kg	4.0	0.14
tert-Butyl Alcohol	ND		ug/kg	60	2.9
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
Methyl Acetate	ND		ug/kg	20	0.27
Ethyl Acetate	ND		ug/kg	20	0.92
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	20	0.27
1,4-Diethylbenzene	ND		ug/kg	4.0	0.16
4-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Tetrahydrofuran	ND		ug/kg	20	1.0
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39
Methyl cyclohexane	ND		ug/kg	4.0	0.15
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.12
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.10

Project Name: 487 W. 129TH ST.
Project Number: 10825

Lab Number: L1423865
Report Date: 10/16/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/16/14 08:44
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 05-07,09-12 Batch: WG731671-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	100		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 487 W. 129TH ST.

Project Number: 10825

Lab Number: L1423865

Report Date: 10/16/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG730250-1 WG730250-2								
Methylene chloride	91		90		70-130	1		20
1,1-Dichloroethane	94		90		70-130	4		20
Chloroform	99		95		70-130	4		20
2-Chloroethylvinyl ether	**58**	Q	**54**	Q	70-130	7		20
Carbon tetrachloride	104		99		63-132	5		20
1,2-Dichloropropane	88		87		70-130	1		20
Dibromochloromethane	99		96		63-130	3		20
1,1,2-Trichloroethane	87		88		70-130	1		20
Tetrachloroethene	104		102		70-130	2		20
Chlorobenzene	101		99		75-130	2		20
Trichlorofluoromethane	102		97		62-150	5		20
1,2-Dichloroethane	96		94		70-130	2		20
1,1,1-Trichloroethane	103		98		67-130	5		20
Bromodichloromethane	99		96		67-130	3		20
trans-1,3-Dichloropropene	96		92		70-130	4		20
cis-1,3-Dichloropropene	96		96		70-130	0		20
1,1-Dichloropropene	94		92		70-130	2		20
Bromoform	97		95		54-136	2		20
1,1,2,2-Tetrachloroethane	85		84		67-130	1		20
Benzene	94		91		70-130	3		20
Toluene	96		93		70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 487 W. 129TH ST.
Project Number: 10825

Lab Number: L1423865
Report Date: 10/16/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG730250-1 WG730250-2								
Ethylbenzene	100		96		70-130	4		20
Chloromethane	76		73		64-130	4		20
Bromomethane	93		87		39-139	7		20
Vinyl chloride	90		87		55-140	3		20
Chloroethane	91		85		55-138	7		20
1,1-Dichloroethene	93		89		61-145	4		20
trans-1,2-Dichloroethene	95		92		70-130	3		20
Trichloroethene	101		97		70-130	4		20
1,2-Dichlorobenzene	101		100		70-130	1		20
1,3-Dichlorobenzene	103		100		70-130	3		20
1,4-Dichlorobenzene	101		99		70-130	2		20
Methyl tert butyl ether	86		87		63-130	1		20
p/m-Xylene	102		99		70-130	3		20
o-Xylene	104		101		70-130	3		20
cis-1,2-Dichloroethene	98		95		70-130	3		20
Dibromomethane	94		92		70-130	2		20
1,2,3-Trichloropropane	84		83		64-130	1		20
Acrylonitrile	77		79		70-130	3		20
Diisopropyl Ether	84		83		70-130	1		20
Tert-Butyl Alcohol	76		74		70-130	3		20
Styrene	102		100		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 487 W. 129TH ST.

Project Number: 10825

Lab Number: L1423865

Report Date: 10/16/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG730250-1 WG730250-2								
Dichlorodifluoromethane	77		72		36-147	7		20
Acetone	84		87		58-148	4		20
Carbon disulfide	89		86		51-130	3		20
2-Butanone	**58**	Q	**60**	Q	63-138	3		20
Vinyl acetate	77		77		70-130	0		20
4-Methyl-2-pentanone	78		77		59-130	1		20
2-Hexanone	71		72		57-130	1		20
Acrolein	80		78		40-160	3		20
Bromochloromethane	105		103		70-130	2		20
2,2-Dichloropropane	108		104		63-133	4		20
1,2-Dibromoethane	92		91		70-130	1		20
1,3-Dichloropropane	89		87		70-130	2		20
1,1,1,2-Tetrachloroethane	105		103		64-130	2		20
Bromobenzene	104		102		70-130	2		20
n-Butylbenzene	96		92		53-136	4		20
sec-Butylbenzene	101		97		70-130	4		20
tert-Butylbenzene	105		102		70-130	3		20
o-Chlorotoluene	101		98		70-130	3		20
p-Chlorotoluene	102		98		70-130	4		20
1,2-Dibromo-3-chloropropane	81		81		41-144	0		20
Hexachlorobutadiene	109		105		63-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 487 W. 129TH ST.

Project Number: 10825

Lab Number: L1423865

Report Date: 10/16/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG730250-1 WG730250-2								
Isopropylbenzene	104		102		70-130	2		20
p-Isopropyltoluene	102		99		70-130	3		20
Naphthalene	88		86		70-130	2		20
n-Propylbenzene	100		96		69-130	4		20
1,2,3-Trichlorobenzene	92		90		70-130	2		20
1,2,4-Trichlorobenzene	97		96		70-130	1		20
1,3,5-Trimethylbenzene	104		101		64-130	3		20
1,2,4-Trimethylbenzene	100		97		70-130	3		20
Methyl Acetate	78		77		70-130	1		20
Ethyl Acetate	71		70		70-130	1		20
Cyclohexane	87		82		70-130	6		20
Ethyl-Tert-Butyl-Ether	89		88		70-130	1		20
Tertiary-Amyl Methyl Ether	89		89		66-130	0		20
1,4-Dioxane	80		79		56-162	1		20
Freon-113	94		91		70-130	3		20
p-Diethylbenzene	107		102		70-130	5		20
p-Ethyltoluene	103		99		70-130	4		20
1,2,4,5-Tetramethylbenzene	100		97		70-130	3		20
Ethyl ether	83		82		59-134	1		20
trans-1,4-Dichloro-2-butene	77		78		70-130	1		20
Iodomethane	94		95		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 487 W. 129TH ST.

Project Number: 10825

Lab Number: L1423865

Report Date: 10/16/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG730250-1 WG730250-2								
Methyl cyclohexane	95		90		70-130	5		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		98		70-130
Toluene-d8	98		96		70-130
4-Bromofluorobenzene	97		96		70-130
Dibromofluoromethane	106		103		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 487 W. 129TH ST.
Project Number: 10825
Lab Number: L1423865
Report Date: 10/16/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08 Batch: WG731550-1 WG731550-2								
Methylene chloride	124		122		70-130	2		30
1,1-Dichloroethane	115		109		70-130	5		30
Chloroform	113		107		70-130	5		30
Carbon tetrachloride	122		114		70-130	7		30
1,2-Dichloropropane	115		110		70-130	4		30
Dibromochloromethane	99		95		70-130	4		30
2-Chloroethylvinyl ether	90		83		70-130	8		30
1,1,2-Trichloroethane	96		92		70-130	4		30
Tetrachloroethene	113		108		70-130	5		30
Chlorobenzene	102		99		70-130	3		30
Trichlorofluoromethane	72		**69**	Q	70-139	4		30
1,2-Dichloroethane	105		101		70-130	4		30
1,1,1-Trichloroethane	117		112		70-130	4		30
Bromodichloromethane	109		105		70-130	4		30
trans-1,3-Dichloropropene	100		96		70-130	4		30
cis-1,3-Dichloropropene	110		107		70-130	3		30
1,1-Dichloropropene	118		112		70-130	5		30
Bromoform	92		90		70-130	2		30
1,1,2,2-Tetrachloroethane	95		94		70-130	1		30
Benzene	114		109		70-130	4		30
Toluene	103		98		70-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 487 W. 129TH ST.
Project Number: 10825

Lab Number: L1423865
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08 Batch: WG731550-1 WG731550-2								
Ethylbenzene	106		100		70-130	6		30
Chloromethane	111		106		52-130	5		30
Bromomethane	85		81		57-147	5		30
Vinyl chloride	102		97		67-130	5		30
Chloroethane	86		82		50-151	5		30
1,1-Dichloroethene	115		109		65-135	5		30
trans-1,2-Dichloroethene	114		108		70-130	5		30
Trichloroethene	120		114		70-130	5		30
1,2-Dichlorobenzene	100		98		70-130	2		30
1,3-Dichlorobenzene	104		100		70-130	4		30
1,4-Dichlorobenzene	103		100		70-130	3		30
Methyl tert butyl ether	100		97		66-130	3		30
p/m-Xylene	105		100		70-130	5		30
o-Xylene	100		96		70-130	4		30
cis-1,2-Dichloroethene	112		106		70-130	6		30
Dibromomethane	101		97		70-130	4		30
Styrene	100		96		70-130	4		30
Dichlorodifluoromethane	82		79		30-146	4		30
Acetone	114		100		54-140	13		30
Carbon disulfide	114		109		59-130	4		30
2-Butanone	98		91		70-130	7		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 487 W. 129TH ST.
Project Number: 10825

Lab Number: L1423865
Report Date: 10/16/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08 Batch: WG731550-1 WG731550-2								
Vinyl acetate	95		91		70-130	4		30
4-Methyl-2-pentanone	90		88		70-130	2		30
1,2,3-Trichloropropane	92		91		68-130	1		30
2-Hexanone	73		**69**	Q	70-130	6		30
Bromochloromethane	111		104		70-130	7		30
2,2-Dichloropropane	122		114		70-130	7		30
1,2-Dibromoethane	93		92		70-130	1		30
1,3-Dichloropropane	97		93		69-130	4		30
1,1,1,2-Tetrachloroethane	100		98		70-130	2		30
Bromobenzene	100		97		70-130	3		30
n-Butylbenzene	111		107		70-130	4		30
sec-Butylbenzene	109		105		70-130	4		30
tert-Butylbenzene	104		100		70-130	4		30
o-Chlorotoluene	113		109		70-130	4		30
p-Chlorotoluene	106		103		70-130	3		30
1,2-Dibromo-3-chloropropane	89		86		68-130	3		30
Hexachlorobutadiene	**132**	Q	124		67-130	6		30
Isopropylbenzene	104		100		70-130	4		30
p-Isopropyltoluene	107		102		70-130	5		30
Naphthalene	82		81		70-130	1		30
Acrylonitrile	108		105		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 487 W. 129TH ST.

Project Number: 10825

Lab Number: L1423865

Report Date: 10/16/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08 Batch: WG731550-1 WG731550-2								
Diisopropyl Ether	110		104		66-130	6		30
Tert-Butyl Alcohol	92		88		70-130	4		30
n-Propylbenzene	109		104		70-130	5		30
1,2,3-Trichlorobenzene	106		103		70-130	3		30
1,2,4-Trichlorobenzene	111		107		70-130	4		30
1,3,5-Trimethylbenzene	107		103		70-130	4		30
1,2,4-Trimethylbenzene	105		101		70-130	4		30
Methyl Acetate	96		91		51-146	5		30
Ethyl Acetate	90		83		70-130	8		30
Cyclohexane	126		117		59-142	7		30
1,4-Dioxane	93		86		65-136	8		30
Freon-113	116		110		50-139	5		30
p-Diethylbenzene	115		109		70-130	5		30
p-Ethyltoluene	114		108		70-130	5		30
1,2,4,5-Tetramethylbenzene	104		100		70-130	4		30
Tetrahydrofuran	94		89		66-130	5		30
Ethyl ether	81		79		67-130	3		30
trans-1,4-Dichloro-2-butene	102		102		70-130	0		30
Methyl cyclohexane	116		109		70-130	6		30
Ethyl-Tert-Butyl-Ether	107		102		70-130	5		30
Tertiary-Amyl Methyl Ether	102		99		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 487 W. 129TH ST.

Project Number: 10825

Lab Number: L1423865

Report Date: 10/16/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08 Batch: WG731550-1 WG731550-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		97		70-130
Toluene-d8	98		97		70-130
4-Bromofluorobenzene	104		104		70-130
Dibromofluoromethane	102		103		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 487 W. 129TH ST.
Project Number: 10825

Lab Number: L1423865
Report Date: 10/16/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05-07,09-12 Batch: WG731671-1 WG731671-2								
Methylene chloride	**133**	Q	114		70-130	15		30
1,1-Dichloroethane	109		108		70-130	1		30
Chloroform	108		106		70-130	2		30
Carbon tetrachloride	116		109		70-130	6		30
1,2-Dichloropropane	109		109		70-130	0		30
Dibromochloromethane	96		98		70-130	2		30
2-Chloroethylvinyl ether	86		86		70-130	0		30
1,1,2-Trichloroethane	93		94		70-130	1		30
Tetrachloroethene	108		103		70-130	5		30
Chlorobenzene	98		99		70-130	1		30
Trichlorofluoromethane	72		**67**	Q	70-139	7		30
1,2-Dichloroethane	102		103		70-130	1		30
1,1,1-Trichloroethane	112		108		70-130	4		30
Bromodichloromethane	106		106		70-130	0		30
trans-1,3-Dichloropropene	96		99		70-130	3		30
cis-1,3-Dichloropropene	108		108		70-130	0		30
1,1-Dichloropropene	114		107		70-130	6		30
Bromoform	91		92		70-130	1		30
1,1,2,2-Tetrachloroethane	93		94		70-130	1		30
Benzene	108		106		70-130	2		30
Toluene	97		97		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 487 W. 129TH ST.

Project Number: 10825

Lab Number: L1423865

Report Date: 10/16/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05-07,09-12 Batch: WG731671-1 WG731671-2								
Ethylbenzene	100		98		70-130	2		30
Chloromethane	112		107		52-130	5		30
Bromomethane	80		76		57-147	5		30
Vinyl chloride	104		97		67-130	7		30
Chloroethane	83		78		50-151	6		30
1,1-Dichloroethene	111		105		65-135	6		30
trans-1,2-Dichloroethene	108		104		70-130	4		30
Trichloroethene	112		110		70-130	2		30
1,2-Dichlorobenzene	98		98		70-130	0		30
1,3-Dichlorobenzene	100		100		70-130	0		30
1,4-Dichlorobenzene	100		99		70-130	1		30
Methyl tert butyl ether	102		103		66-130	1		30
p/m-Xylene	116		113		70-130	3		30
o-Xylene	104		102		70-130	2		30
cis-1,2-Dichloroethene	124		123		70-130	1		30
Dibromomethane	103		105		70-130	2		30
Styrene	102		103		70-130	1		30
Dichlorodifluoromethane	81		76		30-146	6		30
Acetone	95		94		54-140	1		30
Carbon disulfide	130		123		59-130	6		30
2-Butanone	87		86		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 487 W. 129TH ST.

Project Number: 10825

Lab Number: L1423865

Report Date: 10/16/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05-07,09-12 Batch: WG731671-1 WG731671-2								
Vinyl acetate	94		94		70-130	0		30
4-Methyl-2-pentanone	89		91		70-130	2		30
1,2,3-Trichloropropane	90		90		68-130	0		30
2-Hexanone	72		72		70-130	0		30
Bromochloromethane	104		106		70-130	2		30
2,2-Dichloropropane	115		111		70-130	4		30
1,2-Dibromoethane	91		92		70-130	1		30
1,3-Dichloropropane	94		96		69-130	2		30
1,1,1,2-Tetrachloroethane	97		97		70-130	0		30
Bromobenzene	98		98		70-130	0		30
n-Butylbenzene	105		102		70-130	3		30
sec-Butylbenzene	104		100		70-130	4		30
tert-Butylbenzene	99		96		70-130	3		30
o-Chlorotoluene	108		106		70-130	2		30
p-Chlorotoluene	101		101		70-130	0		30
1,2-Dibromo-3-chloropropane	89		92		68-130	3		30
Hexachlorobutadiene	128		124		67-130	3		30
Isopropylbenzene	98		96		70-130	2		30
p-Isopropyltoluene	100		97		70-130	3		30
Naphthalene	82		83		70-130	1		30
Acrylonitrile	106		108		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 487 W. 129TH ST.

Project Number: 10825

Lab Number: L1423865

Report Date: 10/16/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05-07,09-12 Batch: WG731671-1 WG731671-2								
Diisopropyl Ether	107		106		66-130	1		30
Tert-Butyl Alcohol	88		89		70-130	1		30
n-Propylbenzene	102		99		70-130	3		30
1,2,3-Trichlorobenzene	103		105		70-130	2		30
1,2,4-Trichlorobenzene	109		108		70-130	1		30
1,3,5-Trimethylbenzene	101		99		70-130	2		30
1,2,4-Trimethylbenzene	99		98		70-130	1		30
Methyl Acetate	90		94		51-146	4		30
Ethyl Acetate	84		84		70-130	0		30
Cyclohexane	122		114		59-142	7		30
1,4-Dioxane	92		103		65-136	11		30
Freon-113	112		106		50-139	6		30
p-Diethylbenzene	108		105		70-130	3		30
p-Ethyltoluene	106		104		70-130	2		30
1,2,4,5-Tetramethylbenzene	100		99		70-130	1		30
Tetrahydrofuran	82		86		66-130	5		30
Ethyl ether	82		78		67-130	5		30
trans-1,4-Dichloro-2-butene	101		100		70-130	1		30
Methyl cyclohexane	111		105		70-130	6		30
Ethyl-Tert-Butyl-Ether	104		104		70-130	0		30
Tertiary-Amyl Methyl Ether	106		106		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 487 W. 129TH ST.

Project Number: 10825

Lab Number: L1423865

Report Date: 10/16/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05-07,09-12 Batch: WG731671-1 WG731671-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		97		70-130
Toluene-d8	97		97		70-130
4-Bromofluorobenzene	104		103		70-130
Dibromofluoromethane	101		100		70-130

SEMIVOLATILES

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-01
Client ID: GW-1
Sample Location: NEW YORK, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 10/16/14 16:54
Analyst: JB

Date Collected: 10/08/14 14:30
Date Received: 10/09/14
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 10/11/14 10:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-01 Date Collected: 10/08/14 14:30

Client ID: GW-1 Date Received: 10/09/14

Sample Location: NEW YORK, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	1.9	J	ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	41		21-120
Phenol-d6	33		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	78		15-120
2,4,6-Tribromophenol	78		10-120
4-Terphenyl-d14	79		41-149

Project Name: 487 W. 129TH ST.
Lab Number: L1423865
Project Number: 10825
Report Date: 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-01
Client ID: GW-1
Sample Location: NEW YORK, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 10/15/14 17:52
Analyst: MW

Date Collected: 10/08/14 14:30
Date Received: 10/09/14
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 10/11/14 10:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.20		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	0.25		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	0.34		ug/l	0.20	0.06	1
Benzo(a)anthracene	0.07	J	ug/l	0.20	0.06	1
Benzo(a)pyrene	0.18	J	ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	0.06	J	ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	0.10	J	ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	0.11	J	ug/l	0.20	0.06	1
Phenanthrene	0.50		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	0.20		ug/l	0.20	0.06	1
2-Methylnaphthalene	0.08	J	ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-01 Date Collected: 10/08/14 14:30

Client ID: GW-1 Date Received: 10/09/14

Sample Location: NEW YORK, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	34		21-120
Phenol-d6	25		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	67		15-120
2,4,6-Tribromophenol	67		10-120
4-Terphenyl-d14	70		41-149

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID:	L1423865-02	Date Collected:	10/07/14 12:30
Client ID:	GW-2	Date Received:	10/09/14
Sample Location:	NEW YORK, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	10/11/14 10:15
Analytical Date:	10/16/14 00:16		
Analyst:	JB		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	1.9	J	ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-02 Date Collected: 10/07/14 12:30

Client ID: GW-2 Date Received: 10/09/14

Sample Location: NEW YORK, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		21-120
Phenol-d6	34		10-120
Nitrobenzene-d5	107		23-120
2-Fluorobiphenyl	86		15-120
2,4,6-Tribromophenol	82		10-120
4-Terphenyl-d14	103		41-149

Project Name: 487 W. 129TH ST.
Lab Number: L1423865
Project Number: 10825
Report Date: 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-02
Client ID: GW-2
Sample Location: NEW YORK, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 10/15/14 20:23
Analyst: MW

Date Collected: 10/07/14 12:30
Date Received: 10/09/14
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 10/11/14 10:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.43		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	0.77		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	78	E	ug/l	0.20	0.06	1
Benzo(a)anthracene	0.24		ug/l	0.20	0.06	1
Benzo(a)pyrene	0.27		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	0.23		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	0.10	J	ug/l	0.20	0.07	1
Chrysene	0.23		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	0.35		ug/l	0.20	0.06	1
Benzo(ghi)perylene	0.13	J	ug/l	0.20	0.07	1
Fluorene	0.60		ug/l	0.20	0.06	1
Phenanthrene	1.3		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	0.09	J	ug/l	0.20	0.08	1
Pyrene	0.69		ug/l	0.20	0.06	1
2-Methylnaphthalene	45	E	ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-02 Date Collected: 10/07/14 12:30

Client ID: GW-2 Date Received: 10/09/14

Sample Location: NEW YORK, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	37		21-120
Phenol-d6	33		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	70		15-120
2,4,6-Tribromophenol	73		10-120
4-Terphenyl-d14	100		41-149

Project Name: 487 W. 129TH ST.
Lab Number: L1423865
Project Number: 10825
Report Date: 10/16/14

SAMPLE RESULTS

Lab ID:	L1423865-02	D	Date Collected:	10/07/14 12:30
Client ID:	GW-2		Date Received:	10/09/14
Sample Location:	NEW YORK, NY		Field Prep:	Not Specified
Matrix:	Water		Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM		Extraction Date:	10/11/14 10:17
Analytical Date:	10/16/14 13:01			
Analyst:	MW			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Naphthalene	330		ug/l	4.0	1.3	20
2-Methylnaphthalene	71		ug/l	4.0	1.2	20

Project Name: 487 W. 129TH ST.
Lab Number: L1423865
Project Number: 10825
Report Date: 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-03
Client ID: GW-3
Sample Location: NEW YORK, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 10/16/14 00:44
Analyst: JB

Date Collected: 10/08/14 10:00
Date Received: 10/09/14
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 10/11/14 10:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	2.5	J	ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-03 Date Collected: 10/08/14 10:00

Client ID: GW-3 Date Received: 10/09/14

Sample Location: NEW YORK, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	2.2	J	ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**15**	Q	21-120
Phenol-d6	14		10-120
Nitrobenzene-d5	95		23-120
2-Fluorobiphenyl	76		15-120
2,4,6-Tribromophenol	30		10-120
4-Terphenyl-d14	90		41-149

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID:	L1423865-03	Date Collected:	10/08/14 10:00
Client ID:	GW-3	Date Received:	10/09/14
Sample Location:	NEW YORK, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	10/11/14 10:17
Analytical Date:	10/15/14 19:58		
Analyst:	MW		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	0.24		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	0.28		ug/l	0.20	0.06	1
Benzo(a)anthracene	0.10	J	ug/l	0.20	0.06	1
Benzo(a)pyrene	0.20		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	0.11	J	ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	0.09	J	ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	0.06	J	ug/l	0.20	0.06	1
Phenanthrene	0.37		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	0.16	J	ug/l	0.20	0.06	1
2-Methylnaphthalene	0.10	J	ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-03 Date Collected: 10/08/14 10:00

Client ID: GW-3 Date Received: 10/09/14

Sample Location: NEW YORK, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**17**	Q	21-120
Phenol-d6	13		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	86		15-120
2,4,6-Tribromophenol	35		10-120
4-Terphenyl-d14	76		41-149

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-04
Client ID: GW-4
Sample Location: NEW YORK, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 10/16/14 01:12
Analyst: JB

Date Collected: 10/08/14 09:45
Date Received: 10/09/14
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 10/11/14 10:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	1.5	J	ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-04 Date Collected: 10/08/14 09:45

Client ID: GW-4 Date Received: 10/09/14

Sample Location: NEW YORK, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	1.7	J	ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	28		21-120
Phenol-d6	23		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	82		15-120
2,4,6-Tribromophenol	57		10-120
4-Terphenyl-d14	91		41-149

Project Name: 487 W. 129TH ST.
Lab Number: L1423865
Project Number: 10825
Report Date: 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-04
Client ID: GW-4
Sample Location: NEW YORK, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 10/15/14 19:33
Analyst: MW

Date Collected: 10/08/14 09:45
Date Received: 10/09/14
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 10/11/14 10:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	0.10	J	ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	ND		ug/l	0.20	0.06	1
Phenanthrene	ND		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	ND		ug/l	0.20	0.06	1
2-Methylnaphthalene	ND		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-04 Date Collected: 10/08/14 09:45

Client ID: GW-4 Date Received: 10/09/14

Sample Location: NEW YORK, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	30		21-120
Phenol-d6	22		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	81		15-120
2,4,6-Tribromophenol	66		10-120
4-Terphenyl-d14	85		41-149

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-05
Client ID: WC-1-8'-10'
Sample Location: NEW YORK, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/15/14 23:13
Analyst: HL
Percent Solids: 86%

Date Collected: 10/08/14 13:45
Date Received: 10/09/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/11/14 14:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/kg	190	62.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	53.	1
1,2-Dichlorobenzene	ND		ug/kg	190	62.	1
1,3-Dichlorobenzene	ND		ug/kg	190	60.	1
1,4-Dichlorobenzene	ND		ug/kg	190	58.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	41.	1
2,6-Dinitrotoluene	ND		ug/kg	190	48.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	58.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	44.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	67.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	57.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	120	1
Isophorone	ND		ug/kg	170	50.	1
Nitrobenzene	ND		ug/kg	170	45.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	40.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	56.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	50.	1
Butyl benzyl phthalate	ND		ug/kg	190	37.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	46.	1
Diethyl phthalate	ND		ug/kg	190	40.	1
Dimethyl phthalate	ND		ug/kg	190	48.	1
Biphenyl	ND		ug/kg	430	62.	1
4-Chloroaniline	ND		ug/kg	190	50.	1
2-Nitroaniline	ND		ug/kg	190	53.	1
3-Nitroaniline	ND		ug/kg	190	52.	1
4-Nitroaniline	ND		ug/kg	190	51.	1
Dibenzofuran	ND		ug/kg	190	63.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	59.	1

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-05 Date Collected: 10/08/14 13:45

Client ID: WC-1-8'-10' Date Received: 10/09/14

Sample Location: NEW YORK, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/kg	190	59.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
P-Chloro-M-Cresol	ND		ug/kg	190	55.	1
2-Chlorophenol	ND		ug/kg	190	57.	1
2,4-Dichlorophenol	ND		ug/kg	170	61.	1
2,4-Dimethylphenol	ND		ug/kg	190	56.	1
2-Nitrophenol	ND		ug/kg	410	59.	1
4-Nitrophenol	ND		ug/kg	260	61.	1
2,4-Dinitrophenol	ND		ug/kg	910	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	69.	1
Phenol	ND		ug/kg	190	56.	1
2-Methylphenol	ND		ug/kg	190	61.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	62.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	61.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	ND		ug/kg	190	41.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	89		25-120
Phenol-d6	101		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	85		30-120
2,4,6-Tribromophenol	65		0-136
4-Terphenyl-d14	64		18-120

Project Name: 487 W. 129TH ST.
Lab Number: L1423865
Project Number: 10825
Report Date: 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-05
Client ID: WC-1-8'-10'
Sample Location: NEW YORK, NY
Matrix: Soil
Analytical Method: 1,8270D-SIM
Analytical Date: 10/15/14 01:12
Analyst: MW
Percent Solids: 86%

Date Collected: 10/08/14 13:45
Date Received: 10/09/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/11/14 15:28

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/kg	7.6	1.2	1
2-Chloronaphthalene	ND		ug/kg	7.6	2.0	1
Fluoranthene	ND		ug/kg	7.6	1.2	1
Hexachlorobutadiene	ND		ug/kg	7.6	0.93	1
Naphthalene	ND		ug/kg	7.6	1.0	1
Benzo(a)anthracene	ND		ug/kg	7.6	1.2	1
Benzo(a)pyrene	ND		ug/kg	7.6	1.7	1
Benzo(b)fluoranthene	ND		ug/kg	7.6	1.8	1
Benzo(k)fluoranthene	ND		ug/kg	7.6	1.8	1
Chrysene	ND		ug/kg	7.6	1.8	1
Acenaphthylene	ND		ug/kg	7.6	0.84	1
Anthracene	ND		ug/kg	7.6	0.74	1
Benzo(ghi)perylene	ND		ug/kg	7.6	2.1	1
Fluorene	ND		ug/kg	7.6	1.3	1
Phenanthrene	ND		ug/kg	7.6	1.9	1
Dibenzo(a,h)anthracene	ND		ug/kg	7.6	2.1	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	7.6	2.1	1
Pyrene	ND		ug/kg	7.6	1.0	1
2-Methylnaphthalene	ND		ug/kg	7.6	0.90	1
Pentachlorophenol	ND		ug/kg	30	9.0	1
Hexachlorobenzene	ND		ug/kg	7.6	0.67	1
Hexachloroethane	ND		ug/kg	7.6	1.0	1

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-05 Date Collected: 10/08/14 13:45

Client ID: WC-1-8'-10' Date Received: 10/09/14

Sample Location: NEW YORK, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	75		25-120
Phenol-d6	79		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	87		0-136
4-Terphenyl-d14	65		18-120

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID:	L1423865-06	Date Collected:	10/08/14 14:15
Client ID:	WC-1-12'-14'	Date Received:	10/09/14
Sample Location:	NEW YORK, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	10/11/14 14:17
Analytical Date:	10/15/14 23:39		
Analyst:	HL		
Percent Solids:	78%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/kg	210	69.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	59.	1
1,2-Dichlorobenzene	ND		ug/kg	210	69.	1
1,3-Dichlorobenzene	ND		ug/kg	210	66.	1
1,4-Dichlorobenzene	ND		ug/kg	210	64.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	56.	1
2,4-Dinitrotoluene	ND		ug/kg	210	45.	1
2,6-Dinitrotoluene	ND		ug/kg	210	54.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	64.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	48.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	74.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	64.	1
Hexachlorocyclopentadiene	ND		ug/kg	600	130	1
Isophorone	ND		ug/kg	190	56.	1
Nitrobenzene	ND		ug/kg	190	50.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	170	44.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	63.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	210	55.	1
Butyl benzyl phthalate	ND		ug/kg	210	41.	1
Di-n-butylphthalate	ND		ug/kg	210	40.	1
Di-n-octylphthalate	ND		ug/kg	210	52.	1
Diethyl phthalate	ND		ug/kg	210	44.	1
Dimethyl phthalate	ND		ug/kg	210	53.	1
Biphenyl	ND		ug/kg	480	69.	1
4-Chloroaniline	ND		ug/kg	210	55.	1
2-Nitroaniline	ND		ug/kg	210	59.	1
3-Nitroaniline	ND		ug/kg	210	58.	1
4-Nitroaniline	ND		ug/kg	210	57.	1
Dibenzofuran	ND		ug/kg	210	70.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	65.	1

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-06 Date Collected: 10/08/14 14:15

Client ID: WC-1-12'-14' Date Received: 10/09/14

Sample Location: NEW YORK, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/kg	210	65.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	40.	1
P-Chloro-M-Cresol	ND		ug/kg	210	61.	1
2-Chlorophenol	ND		ug/kg	210	63.	1
2,4-Dichlorophenol	ND		ug/kg	190	68.	1
2,4-Dimethylphenol	ND		ug/kg	210	63.	1
2-Nitrophenol	ND		ug/kg	450	66.	1
4-Nitrophenol	ND		ug/kg	290	68.	1
2,4-Dinitrophenol	ND		ug/kg	1000	290	1
4,6-Dinitro-o-cresol	ND		ug/kg	550	77.	1
Phenol	ND		ug/kg	210	62.	1
2-Methylphenol	ND		ug/kg	210	68.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	69.	1
2,4,5-Trichlorophenol	ND		ug/kg	210	68.	1
Benzoic Acid	ND		ug/kg	680	210	1
Benzyl Alcohol	ND		ug/kg	210	65.	1
Carbazole	ND		ug/kg	210	45.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		25-120
Phenol-d6	73		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	68		30-120
2,4,6-Tribromophenol	54		0-136
4-Terphenyl-d14	63		18-120

Project Name: 487 W. 129TH ST.
Lab Number: L1423865
Project Number: 10825
Report Date: 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-06
Client ID: WC-1-12'-14'
Sample Location: NEW YORK, NY
Matrix: Soil
Analytical Method: 1,8270D-SIM
Analytical Date: 10/15/14 01:42
Analyst: MW
Percent Solids: 78%

Date Collected: 10/08/14 14:15
Date Received: 10/09/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/11/14 15:28

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/kg	8.4	1.3	1
2-Chloronaphthalene	ND		ug/kg	8.4	2.2	1
Fluoranthene	ND		ug/kg	8.4	1.3	1
Hexachlorobutadiene	ND		ug/kg	8.4	1.0	1
Naphthalene	ND		ug/kg	8.4	1.1	1
Benzo(a)anthracene	ND		ug/kg	8.4	1.3	1
Benzo(a)pyrene	ND		ug/kg	8.4	1.9	1
Benzo(b)fluoranthene	ND		ug/kg	8.4	2.0	1
Benzo(k)fluoranthene	ND		ug/kg	8.4	2.0	1
Chrysene	ND		ug/kg	8.4	2.0	1
Acenaphthylene	ND		ug/kg	8.4	0.93	1
Anthracene	ND		ug/kg	8.4	0.82	1
Benzo(ghi)perylene	ND		ug/kg	8.4	2.4	1
Fluorene	ND		ug/kg	8.4	1.4	1
Phenanthrene	ND		ug/kg	8.4	2.1	1
Dibenzo(a,h)anthracene	ND		ug/kg	8.4	2.3	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	8.4	2.4	1
Pyrene	ND		ug/kg	8.4	1.1	1
2-Methylnaphthalene	ND		ug/kg	8.4	1.0	1
Pentachlorophenol	ND		ug/kg	34	10.	1
Hexachlorobenzene	ND		ug/kg	8.4	0.74	1
Hexachloroethane	ND		ug/kg	8.4	1.1	1

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-06 Date Collected: 10/08/14 14:15

Client ID: WC-1-12'-14' Date Received: 10/09/14

Sample Location: NEW YORK, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	36		25-120
Phenol-d6	39		10-120
Nitrobenzene-d5	38		23-120
2-Fluorobiphenyl	38		30-120
2,4,6-Tribromophenol	49		0-136
4-Terphenyl-d14	43		18-120

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID:	L1423865-07	Date Collected:	10/07/14 12:15
Client ID:	WC-2-3'-5'	Date Received:	10/09/14
Sample Location:	NEW YORK, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	10/11/14 14:17
Analytical Date:	10/16/14 00:04		
Analyst:	HL		
Percent Solids:	80%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/kg	210	68.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	58.	1
1,2-Dichlorobenzene	ND		ug/kg	210	68.	1
1,3-Dichlorobenzene	ND		ug/kg	210	65.	1
1,4-Dichlorobenzene	ND		ug/kg	210	63.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	55.	1
2,4-Dinitrotoluene	ND		ug/kg	210	45.	1
2,6-Dinitrotoluene	ND		ug/kg	210	53.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	63.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	48.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	73.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	63.	1
Hexachlorocyclopentadiene	ND		ug/kg	590	130	1
Isophorone	ND		ug/kg	190	55.	1
Nitrobenzene	ND		ug/kg	190	49.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	44.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	62.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	210	54.	1
Butyl benzyl phthalate	ND		ug/kg	210	40.	1
Di-n-butylphthalate	ND		ug/kg	210	40.	1
Di-n-octylphthalate	ND		ug/kg	210	51.	1
Diethyl phthalate	ND		ug/kg	210	44.	1
Dimethyl phthalate	ND		ug/kg	210	53.	1
Biphenyl	950		ug/kg	470	68.	1
4-Chloroaniline	ND		ug/kg	210	55.	1
2-Nitroaniline	ND		ug/kg	210	58.	1
3-Nitroaniline	ND		ug/kg	210	57.	1
4-Nitroaniline	ND		ug/kg	210	56.	1
Dibenzofuran	7900		ug/kg	210	69.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	64.	1

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-07 Date Collected: 10/07/14 12:15

Client ID: WC-2-3'-5' Date Received: 10/09/14

Sample Location: NEW YORK, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/kg	210	64.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	39.	1
P-Chloro-M-Cresol	ND		ug/kg	210	60.	1
2-Chlorophenol	ND		ug/kg	210	62.	1
2,4-Dichlorophenol	ND		ug/kg	190	67.	1
2,4-Dimethylphenol	ND		ug/kg	210	62.	1
2-Nitrophenol	ND		ug/kg	450	65.	1
4-Nitrophenol	ND		ug/kg	290	67.	1
2,4-Dinitrophenol	ND		ug/kg	990	280	1
4,6-Dinitro-o-cresol	ND		ug/kg	540	76.	1
Phenol	ND		ug/kg	210	61.	1
2-Methylphenol	ND		ug/kg	210	67.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	68.	1
2,4,5-Trichlorophenol	ND		ug/kg	210	67.	1
Benzoic Acid	ND		ug/kg	670	210	1
Benzyl Alcohol	ND		ug/kg	210	64.	1
Carbazole	6900		ug/kg	210	44.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		25-120
Phenol-d6	48		10-120
Nitrobenzene-d5	54		23-120
2-Fluorobiphenyl	41		30-120
2,4,6-Tribromophenol	41		0-136
4-Terphenyl-d14	36		18-120

Project Name: 487 W. 129TH ST.
Lab Number: L1423865
Project Number: 10825
Report Date: 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-07 D
Client ID: WC-2-3'-5'
Sample Location: NEW YORK, NY
Matrix: Soil
Analytical Method: 1,8270D-SIM
Analytical Date: 10/16/14 14:03
Analyst: MW
Percent Solids: 80%

Date Collected: 10/07/14 12:15
Date Received: 10/09/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/11/14 15:28

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	10000		ug/kg	830	130	100
2-Chloronaphthalene	ND		ug/kg	830	220	100
Fluoranthene	69000		ug/kg	830	130	100
Hexachlorobutadiene	ND		ug/kg	830	100	100
Naphthalene	5000		ug/kg	830	110	100
Benzo(a)anthracene	26000		ug/kg	830	130	100
Benzo(a)pyrene	24000		ug/kg	830	190	100
Benzo(b)fluoranthene	31000		ug/kg	830	200	100
Benzo(k)fluoranthene	11000		ug/kg	830	200	100
Chrysene	25000		ug/kg	830	200	100
Acenaphthylene	350	J	ug/kg	830	92.	100
Anthracene	22000		ug/kg	830	81.	100
Benzo(ghi)perylene	16000		ug/kg	830	230	100
Fluorene	11000		ug/kg	830	140	100
Phenanthrene	81000		ug/kg	830	200	100
Dibenzo(a,h)anthracene	3300		ug/kg	830	230	100
Indeno(1,2,3-cd)Pyrene	16000		ug/kg	830	230	100
Pyrene	53000		ug/kg	830	110	100
2-Methylnaphthalene	3000		ug/kg	830	99.	100
Pentachlorophenol	ND		ug/kg	3300	980	100
Hexachlorobenzene	ND		ug/kg	830	73.	100
Hexachloroethane	ND		ug/kg	830	110	100

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-07 D
Client ID: WC-2-3'-5'
Sample Location: NEW YORK, NY

Date Collected: 10/07/14 12:15
Date Received: 10/09/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**0**	Q	25-120
Phenol-d6	**0**	Q	10-120
Nitrobenzene-d5	**0**	Q	23-120
2-Fluorobiphenyl	**0**	Q	30-120
2,4,6-Tribromophenol	0		0-136
4-Terphenyl-d14	**0**	Q	18-120

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-08
Client ID: WC-2-12'-14'
Sample Location: NEW YORK, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/16/14 00:30
Analyst: HL
Percent Solids: 80%

Date Collected: 10/07/14 12:15
Date Received: 10/09/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/11/14 14:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/kg	200	66.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	57.	1
1,2-Dichlorobenzene	ND		ug/kg	200	66.	1
1,3-Dichlorobenzene	ND		ug/kg	200	64.	1
1,4-Dichlorobenzene	ND		ug/kg	200	61.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	44.	1
2,6-Dinitrotoluene	ND		ug/kg	200	52.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	61.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	46.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	71.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	61.	1
Hexachlorocyclopentadiene	ND		ug/kg	580	130	1
Isophorone	ND		ug/kg	180	54.	1
Nitrobenzene	ND		ug/kg	180	48.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	42.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	60.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	53.	1
Butyl benzyl phthalate	ND		ug/kg	200	39.	1
Di-n-butylphthalate	ND		ug/kg	200	39.	1
Di-n-octylphthalate	ND		ug/kg	200	50.	1
Diethyl phthalate	ND		ug/kg	200	43.	1
Dimethyl phthalate	ND		ug/kg	200	51.	1
Biphenyl	ND		ug/kg	460	67.	1
4-Chloroaniline	ND		ug/kg	200	53.	1
2-Nitroaniline	ND		ug/kg	200	57.	1
3-Nitroaniline	ND		ug/kg	200	56.	1
4-Nitroaniline	ND		ug/kg	200	54.	1
Dibenzofuran	ND		ug/kg	200	67.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	63.	1

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-08 Date Collected: 10/07/14 12:15

Client ID: WC-2-12'-14' Date Received: 10/09/14

Sample Location: NEW YORK, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/kg	200	63.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
P-Chloro-M-Cresol	ND		ug/kg	200	59.	1
2-Chlorophenol	ND		ug/kg	200	61.	1
2,4-Dichlorophenol	ND		ug/kg	180	65.	1
2,4-Dimethylphenol	ND		ug/kg	200	60.	1
2-Nitrophenol	ND		ug/kg	440	63.	1
4-Nitrophenol	ND		ug/kg	280	65.	1
2,4-Dinitrophenol	ND		ug/kg	970	280	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	74.	1
Phenol	ND		ug/kg	200	60.	1
2-Methylphenol	ND		ug/kg	200	65.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	66.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	65.	1
Benzoic Acid	ND		ug/kg	650	200	1
Benzyl Alcohol	ND		ug/kg	200	62.	1
Carbazole	ND		ug/kg	200	43.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	55		30-120
2,4,6-Tribromophenol	50		0-136
4-Terphenyl-d14	46		18-120

Project Name: 487 W. 129TH ST.
Lab Number: L1423865
Project Number: 10825
Report Date: 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-08
Client ID: WC-2-12'-14'
Sample Location: NEW YORK, NY
Matrix: Soil
Analytical Method: 1,8270D-SIM
Analytical Date: 10/15/14 03:13
Analyst: MW
Percent Solids: 80%

Date Collected: 10/07/14 12:15
Date Received: 10/09/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/11/14 15:28

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	10		ug/kg	8.1	1.2	1
2-Chloronaphthalene	ND		ug/kg	8.1	2.1	1
Fluoranthene	56		ug/kg	8.1	1.3	1
Hexachlorobutadiene	ND		ug/kg	8.1	0.99	1
Naphthalene	360		ug/kg	8.1	1.1	1
Benzo(a)anthracene	19		ug/kg	8.1	1.3	1
Benzo(a)pyrene	16		ug/kg	8.1	1.9	1
Benzo(b)fluoranthene	20		ug/kg	8.1	1.9	1
Benzo(k)fluoranthene	7.6	J	ug/kg	8.1	2.0	1
Chrysene	18		ug/kg	8.1	1.9	1
Acenaphthylene	ND		ug/kg	8.1	0.90	1
Anthracene	15		ug/kg	8.1	0.79	1
Benzo(ghi)perylene	11		ug/kg	8.1	2.3	1
Fluorene	13		ug/kg	8.1	1.4	1
Phenanthrene	57		ug/kg	8.1	2.0	1
Dibenzo(a,h)anthracene	2.4	J	ug/kg	8.1	2.2	1
Indeno(1,2,3-cd)Pyrene	10		ug/kg	8.1	2.3	1
Pyrene	51		ug/kg	8.1	1.1	1
2-Methylnaphthalene	190		ug/kg	8.1	0.96	1
Pentachlorophenol	ND		ug/kg	32	9.6	1
Hexachlorobenzene	ND		ug/kg	8.1	0.71	1
Hexachloroethane	ND		ug/kg	8.1	1.1	1

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-08 Date Collected: 10/07/14 12:15

Client ID: WC-2-12'-14' Date Received: 10/09/14

Sample Location: NEW YORK, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		25-120
Phenol-d6	66		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	50		30-120
2,4,6-Tribromophenol	55		0-136
4-Terphenyl-d14	45		18-120

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID:	L1423865-09	Date Collected:	10/07/14 15:30
Client ID:	WC-3 3'-5'	Date Received:	10/09/14
Sample Location:	NEW YORK, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	10/11/14 14:17
Analytical Date:	10/16/14 00:55		
Analyst:	HL		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/kg	190	62.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	53.	1
1,2-Dichlorobenzene	ND		ug/kg	190	62.	1
1,3-Dichlorobenzene	ND		ug/kg	190	59.	1
1,4-Dichlorobenzene	ND		ug/kg	190	57.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	41.	1
2,6-Dinitrotoluene	ND		ug/kg	190	48.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	57.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	43.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	66.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	57.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	120	1
Isophorone	ND		ug/kg	170	50.	1
Nitrobenzene	ND		ug/kg	170	45.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	40.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	56.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	49.	1
Butyl benzyl phthalate	ND		ug/kg	190	37.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	46.	1
Diethyl phthalate	ND		ug/kg	190	40.	1
Dimethyl phthalate	ND		ug/kg	190	48.	1
Biphenyl	ND		ug/kg	430	62.	1
4-Chloroaniline	ND		ug/kg	190	50.	1
2-Nitroaniline	ND		ug/kg	190	53.	1
3-Nitroaniline	ND		ug/kg	190	52.	1
4-Nitroaniline	ND		ug/kg	190	51.	1
Dibenzofuran	ND		ug/kg	190	63.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	58.	1

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-09 Date Collected: 10/07/14 15:30

Client ID: WC-3 3'-5' Date Received: 10/09/14

Sample Location: NEW YORK, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	130	J	ug/kg	190	58.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
P-Chloro-M-Cresol	ND		ug/kg	190	55.	1
2-Chlorophenol	ND		ug/kg	190	57.	1
2,4-Dichlorophenol	ND		ug/kg	170	61.	1
2,4-Dimethylphenol	ND		ug/kg	190	56.	1
2-Nitrophenol	ND		ug/kg	410	59.	1
4-Nitrophenol	ND		ug/kg	260	61.	1
2,4-Dinitrophenol	ND		ug/kg	900	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	69.	1
Phenol	ND		ug/kg	190	56.	1
2-Methylphenol	ND		ug/kg	190	61.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	62.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	61.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	69	J	ug/kg	190	40.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		25-120
Phenol-d6	107		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	91		30-120
2,4,6-Tribromophenol	60		0-136
4-Terphenyl-d14	56		18-120

Project Name: 487 W. 129TH ST.
Lab Number: L1423865
Project Number: 10825
Report Date: 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-09 D
Client ID: WC-3 3'-5'
Sample Location: NEW YORK, NY
Matrix: Soil
Analytical Method: 1,8270D-SIM
Analytical Date: 10/16/14 15:10
Analyst: MW
Percent Solids: 87%

Date Collected: 10/07/14 15:30
Date Received: 10/09/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/11/14 15:28

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	57		ug/kg	15	2.3	2
2-Chloronaphthalene	ND		ug/kg	15	4.0	2
Fluoranthene	1000		ug/kg	15	2.4	2
Hexachlorobutadiene	ND		ug/kg	15	1.8	2
Naphthalene	25		ug/kg	15	2.0	2
Benzo(a)anthracene	510		ug/kg	15	2.4	2
Benzo(a)pyrene	480		ug/kg	15	3.5	2
Benzo(b)fluoranthene	630		ug/kg	15	3.6	2
Benzo(k)fluoranthene	210		ug/kg	15	3.6	2
Chrysene	460		ug/kg	15	3.6	2
Acenaphthylene	13	J	ug/kg	15	1.7	2
Anthracene	180		ug/kg	15	1.5	2
Benzo(ghi)perylene	370		ug/kg	15	4.2	2
Fluorene	46		ug/kg	15	2.5	2
Phenanthrene	640		ug/kg	15	3.7	2
Dibenzo(a,h)anthracene	85		ug/kg	15	4.2	2
Indeno(1,2,3-cd)Pyrene	310		ug/kg	15	4.2	2
Pyrene	900		ug/kg	15	2.0	2
2-Methylnaphthalene	12	J	ug/kg	15	1.8	2
Pentachlorophenol	ND		ug/kg	60	18.	2
Hexachlorobenzene	ND		ug/kg	15	1.3	2
Hexachloroethane	ND		ug/kg	15	2.0	2

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-09 D
Client ID: WC-3 3'-5'
Sample Location: NEW YORK, NY

Date Collected: 10/07/14 15:30
Date Received: 10/09/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		25-120
Phenol-d6	73		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	70		30-120
2,4,6-Tribromophenol	56		0-136
4-Terphenyl-d14	51		18-120

Project Name: 487 W. 129TH ST.
Lab Number: L1423865
Project Number: 10825
Report Date: 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-10
Client ID: WC-3 26'-28'
Sample Location: NEW YORK, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/16/14 01:21
Analyst: HL
Percent Solids: 79%

Date Collected: 10/07/14 15:45
Date Received: 10/09/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/11/14 14:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/kg	210	68.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	58.	1
1,2-Dichlorobenzene	ND		ug/kg	210	68.	1
1,3-Dichlorobenzene	ND		ug/kg	210	65.	1
1,4-Dichlorobenzene	ND		ug/kg	210	63.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	55.	1
2,4-Dinitrotoluene	ND		ug/kg	210	44.	1
2,6-Dinitrotoluene	ND		ug/kg	210	53.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	63.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	47.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	73.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	62.	1
Hexachlorocyclopentadiene	ND		ug/kg	590	130	1
Isophorone	ND		ug/kg	180	55.	1
Nitrobenzene	ND		ug/kg	180	49.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	43.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	62.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	210	54.	1
Butyl benzyl phthalate	ND		ug/kg	210	40.	1
Di-n-butylphthalate	ND		ug/kg	210	40.	1
Di-n-octylphthalate	ND		ug/kg	210	51.	1
Diethyl phthalate	ND		ug/kg	210	44.	1
Dimethyl phthalate	ND		ug/kg	210	52.	1
Biphenyl	ND		ug/kg	470	68.	1
4-Chloroaniline	ND		ug/kg	210	54.	1
2-Nitroaniline	ND		ug/kg	210	58.	1
3-Nitroaniline	ND		ug/kg	210	57.	1
4-Nitroaniline	ND		ug/kg	210	56.	1
Dibenzofuran	ND		ug/kg	210	69.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	64.	1

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-10 Date Collected: 10/07/14 15:45

Client ID: WC-3 26'-28' Date Received: 10/09/14

Sample Location: NEW YORK, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/kg	210	64.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	39.	1
P-Chloro-M-Cresol	ND		ug/kg	210	60.	1
2-Chlorophenol	ND		ug/kg	210	62.	1
2,4-Dichlorophenol	ND		ug/kg	180	67.	1
2,4-Dimethylphenol	ND		ug/kg	210	62.	1
2-Nitrophenol	ND		ug/kg	450	64.	1
4-Nitrophenol	ND		ug/kg	290	67.	1
2,4-Dinitrophenol	ND		ug/kg	990	280	1
4,6-Dinitro-o-cresol	ND		ug/kg	540	76.	1
Phenol	ND		ug/kg	210	61.	1
2-Methylphenol	ND		ug/kg	210	66.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	68.	1
2,4,5-Trichlorophenol	ND		ug/kg	210	67.	1
Benzoic Acid	ND		ug/kg	670	210	1
Benzyl Alcohol	ND		ug/kg	210	64.	1
Carbazole	ND		ug/kg	210	44.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		25-120
Phenol-d6	67		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	75		30-120
2,4,6-Tribromophenol	45		0-136
4-Terphenyl-d14	49		18-120

Project Name: 487 W. 129TH ST.
Lab Number: L1423865
Project Number: 10825
Report Date: 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-10
Client ID: WC-3 26'-28'
Sample Location: NEW YORK, NY
Matrix: Soil
Analytical Method: 1,8270D-SIM
Analytical Date: 10/15/14 02:13
Analyst: MW
Percent Solids: 79%

Date Collected: 10/07/14 15:45
Date Received: 10/09/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/11/14 15:28

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/kg	8.3	1.3	1
2-Chloronaphthalene	ND		ug/kg	8.3	2.2	1
Fluoranthene	ND		ug/kg	8.3	1.3	1
Hexachlorobutadiene	ND		ug/kg	8.3	1.0	1
Naphthalene	2.5	J	ug/kg	8.3	1.1	1
Benzo(a)anthracene	ND		ug/kg	8.3	1.3	1
Benzo(a)pyrene	ND		ug/kg	8.3	1.9	1
Benzo(b)fluoranthene	ND		ug/kg	8.3	2.0	1
Benzo(k)fluoranthene	ND		ug/kg	8.3	2.0	1
Chrysene	ND		ug/kg	8.3	2.0	1
Acenaphthylene	ND		ug/kg	8.3	0.92	1
Anthracene	ND		ug/kg	8.3	0.80	1
Benzo(ghi)perylene	ND		ug/kg	8.3	2.3	1
Fluorene	ND		ug/kg	8.3	1.4	1
Phenanthrene	ND		ug/kg	8.3	2.0	1
Dibenzo(a,h)anthracene	ND		ug/kg	8.3	2.3	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	8.3	2.3	1
Pyrene	ND		ug/kg	8.3	1.1	1
2-Methylnaphthalene	ND		ug/kg	8.3	0.98	1
Pentachlorophenol	ND		ug/kg	33	9.8	1
Hexachlorobenzene	ND		ug/kg	8.3	0.73	1
Hexachloroethane	ND		ug/kg	8.3	1.1	1

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-10 Date Collected: 10/07/14 15:45

Client ID: WC-3 26'-28' Date Received: 10/09/14

Sample Location: NEW YORK, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		25-120
Phenol-d6	65		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	69		30-120
2,4,6-Tribromophenol	61		0-136
4-Terphenyl-d14	54		18-120

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-11
Client ID: WC-4-7'-9'
Sample Location: NEW YORK, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/16/14 01:46
Analyst: HL
Percent Solids: 87%

Date Collected: 10/07/14 16:55
Date Received: 10/09/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/11/14 14:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/kg	190	61.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	52.	1
1,2-Dichlorobenzene	ND		ug/kg	190	61.	1
1,3-Dichlorobenzene	ND		ug/kg	190	59.	1
1,4-Dichlorobenzene	ND		ug/kg	190	57.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	40.	1
2,6-Dinitrotoluene	ND		ug/kg	190	48.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	57.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	43.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	66.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	56.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	120	1
Isophorone	ND		ug/kg	170	50.	1
Nitrobenzene	ND		ug/kg	170	44.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	39.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	56.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	49.	1
Butyl benzyl phthalate	ND		ug/kg	190	36.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	46.	1
Diethyl phthalate	ND		ug/kg	190	39.	1
Dimethyl phthalate	ND		ug/kg	190	47.	1
Biphenyl	ND		ug/kg	420	61.	1
4-Chloroaniline	ND		ug/kg	190	49.	1
2-Nitroaniline	ND		ug/kg	190	52.	1
3-Nitroaniline	ND		ug/kg	190	51.	1
4-Nitroaniline	ND		ug/kg	190	50.	1
Dibenzofuran	ND		ug/kg	190	62.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	58.	1

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-11 Date Collected: 10/07/14 16:55

Client ID: WC-4-7'-9' Date Received: 10/09/14

Sample Location: NEW YORK, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/kg	190	58.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
P-Chloro-M-Cresol	ND		ug/kg	190	54.	1
2-Chlorophenol	ND		ug/kg	190	56.	1
2,4-Dichlorophenol	ND		ug/kg	170	60.	1
2,4-Dimethylphenol	ND		ug/kg	190	56.	1
2-Nitrophenol	ND		ug/kg	400	58.	1
4-Nitrophenol	ND		ug/kg	260	60.	1
2,4-Dinitrophenol	ND		ug/kg	890	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	68.	1
Phenol	ND		ug/kg	190	55.	1
2-Methylphenol	ND		ug/kg	190	60.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	61.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	60.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	190	57.	1
Carbazole	ND		ug/kg	190	40.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	50		0-136
4-Terphenyl-d14	56		18-120

Project Name: 487 W. 129TH ST.
Lab Number: L1423865
Project Number: 10825
Report Date: 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-11
Client ID: WC-4-7'-9'
Sample Location: NEW YORK, NY
Matrix: Soil
Analytical Method: 1,8270D-SIM
Analytical Date: 10/15/14 04:14
Analyst: MW
Percent Solids: 87%

Date Collected: 10/07/14 16:55
Date Received: 10/09/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/11/14 15:28

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/kg	7.4	1.1	1
2-Chloronaphthalene	ND		ug/kg	7.4	2.0	1
Fluoranthene	2.6	J	ug/kg	7.4	1.2	1
Hexachlorobutadiene	ND		ug/kg	7.4	0.91	1
Naphthalene	ND		ug/kg	7.4	1.0	1
Benzo(a)anthracene	ND		ug/kg	7.4	1.2	1
Benzo(a)pyrene	ND		ug/kg	7.4	1.7	1
Benzo(b)fluoranthene	2.5	J	ug/kg	7.4	1.8	1
Benzo(k)fluoranthene	ND		ug/kg	7.4	1.8	1
Chrysene	2.4	J	ug/kg	7.4	1.8	1
Acenaphthylene	ND		ug/kg	7.4	0.83	1
Anthracene	ND		ug/kg	7.4	0.73	1
Benzo(ghi)perylene	ND		ug/kg	7.4	2.1	1
Fluorene	ND		ug/kg	7.4	1.2	1
Phenanthrene	ND		ug/kg	7.4	1.8	1
Dibenzo(a,h)anthracene	ND		ug/kg	7.4	2.1	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	7.4	2.1	1
Pyrene	3.9	J	ug/kg	7.4	0.98	1
2-Methylnaphthalene	ND		ug/kg	7.4	0.89	1
Pentachlorophenol	ND		ug/kg	30	8.8	1
Hexachlorobenzene	ND		ug/kg	7.4	0.66	1
Hexachloroethane	ND		ug/kg	7.4	0.98	1

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-11 Date Collected: 10/07/14 16:55

Client ID: WC-4-7'-9' Date Received: 10/09/14

Sample Location: NEW YORK, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		25-120
Phenol-d6	73		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	70		30-120
2,4,6-Tribromophenol	64		0-136
4-Terphenyl-d14	59		18-120

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-12
Client ID: WC-4 26'-28'
Sample Location: NEW YORK, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/16/14 02:12
Analyst: HL
Percent Solids: 81%

Date Collected: 10/07/14 17:25
Date Received: 10/09/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/11/14 14:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/kg	200	66.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	56.	1
1,2-Dichlorobenzene	ND		ug/kg	200	66.	1
1,3-Dichlorobenzene	ND		ug/kg	200	63.	1
1,4-Dichlorobenzene	ND		ug/kg	200	61.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	53.	1
2,4-Dinitrotoluene	ND		ug/kg	200	43.	1
2,6-Dinitrotoluene	ND		ug/kg	200	51.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	61.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	46.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	71.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	61.	1
Hexachlorocyclopentadiene	ND		ug/kg	580	130	1
Isophorone	ND		ug/kg	180	53.	1
Nitrobenzene	ND		ug/kg	180	48.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	42.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	60.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	53.	1
Butyl benzyl phthalate	ND		ug/kg	200	39.	1
Di-n-butylphthalate	ND		ug/kg	200	39.	1
Di-n-octylphthalate	ND		ug/kg	200	49.	1
Diethyl phthalate	ND		ug/kg	200	42.	1
Dimethyl phthalate	ND		ug/kg	200	51.	1
Biphenyl	ND		ug/kg	460	66.	1
4-Chloroaniline	ND		ug/kg	200	53.	1
2-Nitroaniline	ND		ug/kg	200	57.	1
3-Nitroaniline	ND		ug/kg	200	56.	1
4-Nitroaniline	ND		ug/kg	200	54.	1
Dibenzofuran	ND		ug/kg	200	67.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	62.	1

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-12 Date Collected: 10/07/14 17:25

Client ID: WC-4 26'-28' Date Received: 10/09/14

Sample Location: NEW YORK, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/kg	200	62.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
P-Chloro-M-Cresol	ND		ug/kg	200	58.	1
2-Chlorophenol	ND		ug/kg	200	61.	1
2,4-Dichlorophenol	ND		ug/kg	180	65.	1
2,4-Dimethylphenol	ND		ug/kg	200	60.	1
2-Nitrophenol	ND		ug/kg	430	63.	1
4-Nitrophenol	ND		ug/kg	280	65.	1
2,4-Dinitrophenol	ND		ug/kg	960	280	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	74.	1
Phenol	ND		ug/kg	200	60.	1
2-Methylphenol	ND		ug/kg	200	65.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	66.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	65.	1
Benzoic Acid	ND		ug/kg	650	200	1
Benzyl Alcohol	ND		ug/kg	200	62.	1
Carbazole	ND		ug/kg	200	43.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	78		25-120
Phenol-d6	86		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	84		30-120
2,4,6-Tribromophenol	63		0-136
4-Terphenyl-d14	57		18-120

Project Name: 487 W. 129TH ST.
Lab Number: L1423865
Project Number: 10825
Report Date: 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-12
Client ID: WC-4 26'-28'
Sample Location: NEW YORK, NY
Matrix: Soil
Analytical Method: 1,8270D-SIM
Analytical Date: 10/15/14 02:43
Analyst: MW
Percent Solids: 81%

Date Collected: 10/07/14 17:25
Date Received: 10/09/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/11/14 15:28

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/kg	8.0	1.2	1
2-Chloronaphthalene	ND		ug/kg	8.0	2.1	1
Fluoranthene	ND		ug/kg	8.0	1.3	1
Hexachlorobutadiene	ND		ug/kg	8.0	0.98	1
Naphthalene	ND		ug/kg	8.0	1.1	1
Benzo(a)anthracene	ND		ug/kg	8.0	1.2	1
Benzo(a)pyrene	ND		ug/kg	8.0	1.8	1
Benzo(b)fluoranthene	ND		ug/kg	8.0	1.9	1
Benzo(k)fluoranthene	ND		ug/kg	8.0	1.9	1
Chrysene	ND		ug/kg	8.0	1.9	1
Acenaphthylene	ND		ug/kg	8.0	0.89	1
Anthracene	ND		ug/kg	8.0	0.78	1
Benzo(ghi)perylene	ND		ug/kg	8.0	2.2	1
Fluorene	ND		ug/kg	8.0	1.4	1
Phenanthrene	ND		ug/kg	8.0	2.0	1
Dibenzo(a,h)anthracene	ND		ug/kg	8.0	2.2	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	8.0	2.3	1
Pyrene	ND		ug/kg	8.0	1.1	1
2-Methylnaphthalene	ND		ug/kg	8.0	0.96	1
Pentachlorophenol	ND		ug/kg	32	9.5	1
Hexachlorobenzene	ND		ug/kg	8.0	0.71	1
Hexachloroethane	ND		ug/kg	8.0	1.0	1

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-12 Date Collected: 10/07/14 17:25

Client ID: WC-4 26'-28' Date Received: 10/09/14

Sample Location: NEW YORK, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		25-120
Phenol-d6	73		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	70		30-120
2,4,6-Tribromophenol	79		0-136
4-Terphenyl-d14	53		18-120

Project Name: 487 W. 129TH ST.
Project Number: 10825

Lab Number: L1423865
Report Date: 10/16/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/14/14 16:43
Analyst: JB

Extraction Method: EPA 3510C
Extraction Date: 10/11/14 10:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG730180-1					
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60
Hexachlorocyclopentadiene	ND		ug/l	20	0.58
Isophorone	ND		ug/l	5.0	0.79
Nitrobenzene	ND		ug/l	2.0	0.40
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93
Butyl benzyl phthalate	ND		ug/l	5.0	1.1
Di-n-butylphthalate	ND		ug/l	5.0	0.77
Di-n-octylphthalate	ND		ug/l	5.0	1.2
Diethyl phthalate	ND		ug/l	5.0	0.39
Dimethyl phthalate	ND		ug/l	5.0	0.33
Biphenyl	ND		ug/l	2.0	0.24
4-Chloroaniline	ND		ug/l	5.0	0.84
2-Nitroaniline	ND		ug/l	5.0	0.96
3-Nitroaniline	ND		ug/l	5.0	0.67
4-Nitroaniline	ND		ug/l	5.0	0.83
Dibenzofuran	ND		ug/l	2.0	0.22

Project Name: 487 W. 129TH ST.
Project Number: 10825

Lab Number: L1423865
Report Date: 10/16/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/14/14 16:43
Analyst: JB

Extraction Method: EPA 3510C
Extraction Date: 10/11/14 10:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG730180-1					
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36
Acetophenone	ND		ug/l	5.0	0.43
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54
2-Chlorophenol	ND		ug/l	2.0	0.58
2,4-Dichlorophenol	ND		ug/l	5.0	0.56
2,4-Dimethylphenol	ND		ug/l	5.0	0.58
2-Nitrophenol	ND		ug/l	10	1.0
4-Nitrophenol	ND		ug/l	10	1.1
2,4-Dinitrophenol	ND		ug/l	20	1.4
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4
Phenol	ND		ug/l	5.0	0.27
2-Methylphenol	ND		ug/l	5.0	0.70
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75
Benzoic Acid	ND		ug/l	50	1.0
Benzyl Alcohol	ND		ug/l	2.0	0.68
Carbazole	ND		ug/l	2.0	0.37

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		21-120
Phenol-d6	35		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	86		15-120
2,4,6-Tribromophenol	90		10-120
4-Terphenyl-d14	99		41-149

Project Name: 487 W. 129TH ST.
Project Number: 10825

Lab Number: L1423865
Report Date: 10/16/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 10/13/14 15:55
Analyst: MW

Extraction Method: EPA 3510C
Extraction Date: 10/11/14 10:17

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-04 Batch: WG730182-1					
Acenaphthene	ND		ug/l	0.20	0.06
2-Chloronaphthalene	ND		ug/l	0.20	0.07
Fluoranthene	ND		ug/l	0.20	0.04
Hexachlorobutadiene	ND		ug/l	0.50	0.07
Naphthalene	ND		ug/l	0.20	0.06
Benzo(a)anthracene	ND		ug/l	0.20	0.06
Benzo(a)pyrene	ND		ug/l	0.20	0.07
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07
Chrysene	ND		ug/l	0.20	0.05
Acenaphthylene	ND		ug/l	0.20	0.05
Anthracene	ND		ug/l	0.20	0.06
Benzo(ghi)perylene	ND		ug/l	0.20	0.07
Fluorene	ND		ug/l	0.20	0.06
Phenanthrene	ND		ug/l	0.20	0.06
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08
Pyrene	ND		ug/l	0.20	0.06
2-Methylnaphthalene	ND		ug/l	0.20	0.06
Pentachlorophenol	ND		ug/l	0.80	0.19
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.07

Project Name: 487 W. 129TH ST.
Project Number: 10825

Lab Number: L1423865
Report Date: 10/16/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 10/13/14 15:55
Analyst: MW

Extraction Method: EPA 3510C
Extraction Date: 10/11/14 10:17

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-04 Batch: WG730182-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	37		21-120
Phenol-d6	28		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	88		10-120
4-Terphenyl-d14	77		41-149

Project Name: 487 W. 129TH ST.
Project Number: 10825

Lab Number: L1423865
Report Date: 10/16/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/14/14 18:43
Analyst: HL

Extraction Method: EPA 3546
Extraction Date: 10/11/14 14:17

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 05-12 Batch: WG730214-1					
Acenaphthene	ND		ug/kg	130	34.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	99	31.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	54.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	52.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	36.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	99	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	470	100
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	160	55.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	35.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-Ethylhexyl)phthalate	92	J	ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	32.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	35.

Project Name: 487 W. 129TH ST.
Project Number: 10825

Lab Number: L1423865
Report Date: 10/16/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/14/14 18:43
Analyst: HL

Extraction Method: EPA 3546
Extraction Date: 10/11/14 14:17

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 05-12 Batch: WG730214-1					
Dimethyl phthalate	ND		ug/kg	160	42.
Benzo(a)anthracene	ND		ug/kg	99	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	33.
Benzo(k)fluoranthene	ND		ug/kg	99	31.
Chrysene	ND		ug/kg	99	32.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	99	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	99	32.
Dibenzo(a,h)anthracene	ND		ug/kg	99	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	99	32.
Biphenyl	ND		ug/kg	380	54.
4-Chloroaniline	ND		ug/kg	160	44.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	45.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	55.
2-Methylnaphthalene	ND		ug/kg	200	53.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
P-Chloro-M-Cresol	ND		ug/kg	160	48.
2-Chlorophenol	ND		ug/kg	160	50.
2,4-Dichlorophenol	ND		ug/kg	150	53.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	360	51.

Project Name: 487 W. 129TH ST.
Project Number: 10825

Lab Number: L1423865
Report Date: 10/16/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/14/14 18:43
Analyst: HL

Extraction Method: EPA 3546
Extraction Date: 10/11/14 14:17

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 05-12 Batch: WG730214-1					
4-Nitrophenol	ND		ug/kg	230	53.
2,4-Dinitrophenol	ND		ug/kg	790	220
4,6-Dinitro-o-cresol	ND		ug/kg	430	60.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	49.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	53.
Benzoic Acid	ND		ug/kg	530	170
Benzyl Alcohol	ND		ug/kg	160	51.
Carbazole	ND		ug/kg	160	35.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		25-120
Phenol-d6	71		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	80		30-120
2,4,6-Tribromophenol	86		0-136
4-Terphenyl-d14	74		18-120

Project Name: 487 W. 129TH ST.
Project Number: 10825

Lab Number: L1423865
Report Date: 10/16/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 10/14/14 19:37
Analyst: MW

Extraction Method: EPA 3546
Extraction Date: 10/11/14 15:28

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 05-12 Batch: WG730222-1					
Acenaphthene	ND		ug/kg	6.6	1.0
2-Chloronaphthalene	ND		ug/kg	6.6	1.7
Fluoranthene	2.1	J	ug/kg	6.6	1.0
Hexachlorobutadiene	ND		ug/kg	6.6	0.81
Naphthalene	ND		ug/kg	6.6	0.90
Benzo(a)anthracene	ND		ug/kg	6.6	1.0
Benzo(a)pyrene	ND		ug/kg	6.6	1.5
Benzo(b)fluoranthene	ND		ug/kg	6.6	1.6
Benzo(k)fluoranthene	ND		ug/kg	6.6	1.6
Chrysene	ND		ug/kg	6.6	1.6
Acenaphthylene	ND		ug/kg	6.6	0.73
Anthracene	ND		ug/kg	6.6	0.64
Benzo(ghi)perylene	ND		ug/kg	6.6	1.8
Fluorene	ND		ug/kg	6.6	1.1
Phenanthrene	2.1	J	ug/kg	6.6	1.6
Dibenzo(a,h)anthracene	ND		ug/kg	6.6	1.8
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	6.6	1.8
Pyrene	1.3	J	ug/kg	6.6	0.87
2-Methylnaphthalene	ND		ug/kg	6.6	0.78
Pentachlorophenol	ND		ug/kg	26	7.8
Hexachlorobenzene	ND		ug/kg	6.6	0.58
Hexachloroethane	ND		ug/kg	6.6	0.87

Project Name: 487 W. 129TH ST.
Project Number: 10825

Lab Number: L1423865
Report Date: 10/16/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 10/14/14 19:37
Analyst: MW

Extraction Method: EPA 3546
Extraction Date: 10/11/14 15:28

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 05-12 Batch: WG730222-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	74		25-120
Phenol-d6	78		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	82		0-136
4-Terphenyl-d14	75		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 487 W. 129TH ST.
Project Number: 10825

Lab Number: L1423865
Report Date: 10/16/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG730180-2 WG730180-3								
1,2,4-Trichlorobenzene	62		70		39-98	12		30
Bis(2-chloroethyl)ether	70		78		40-140	11		30
1,2-Dichlorobenzene	59		65		40-140	10		30
1,3-Dichlorobenzene	54		62		40-140	14		30
1,4-Dichlorobenzene	55		61		36-97	10		30
3,3'-Dichlorobenzidine	71		77		40-140	8		30
2,4-Dinitrotoluene	87		**98**	Q	24-96	12		30
2,6-Dinitrotoluene	88		98		40-140	11		30
4-Chlorophenyl phenyl ether	80		91		40-140	13		30
4-Bromophenyl phenyl ether	80		90		40-140	12		30
Bis(2-chloroisopropyl)ether	69		77		40-140	11		30
Bis(2-chloroethoxy)methane	77		86		40-140	11		30
Hexachlorocyclopentadiene	59		66		40-140	11		30
Isophorone	78		86		40-140	10		30
Nitrobenzene	73		83		40-140	13		30
NitrosoDiPhenylAmine(NDPA)/DPA	79		90		40-140	13		30
n-Nitrosodi-n-propylamine	80		86		29-132	7		30
Bis(2-Ethylhexyl)phthalate	97		108		40-140	11		30
Butyl benzyl phthalate	89		102		40-140	14		30
Di-n-butylphthalate	93		104		40-140	11		30
Di-n-octylphthalate	97		111		40-140	13		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 487 W. 129TH ST.
Project Number: 10825

Lab Number: L1423865
Report Date: 10/16/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG730180-2 WG730180-3								
Diethyl phthalate	85		96		40-140	12		30
Dimethyl phthalate	85		96		40-140	12		30
Biphenyl	80		90			12		30
4-Chloroaniline	59		64		40-140	8		30
2-Nitroaniline	81		92		52-143	13		30
3-Nitroaniline	66		76		25-145	14		30
4-Nitroaniline	71		80		51-143	12		30
Dibenzofuran	80		91		40-140	13		30
1,2,4,5-Tetrachlorobenzene	71		80		2-134	12		30
Acetophenone	87		96		39-129	10		30
2,4,6-Trichlorophenol	79		89		30-130	12		30
P-Chloro-M-Cresol	84		92		23-97	9		30
2-Chlorophenol	68		76		27-123	11		30
2,4-Dichlorophenol	81		90		30-130	11		30
2,4-Dimethylphenol	31		**26**	Q	30-130	18		30
2-Nitrophenol	77		88		30-130	13		30
4-Nitrophenol	43		51		10-80	17		30
2,4-Dinitrophenol	72		82		20-130	13		30
4,6-Dinitro-o-cresol	82		94		20-164	14		30
Phenol	34		38		12-110	11		30
2-Methylphenol	60		63		30-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 487 W. 129TH ST.

Project Number: 10825

Lab Number: L1423865

Report Date: 10/16/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG730180-2 WG730180-3								
3-Methylphenol/4-Methylphenol	61		67		30-130	9		30
2,4,5-Trichlorophenol	85		97		30-130	13		30
Benzoic Acid	17		18			6		30
Benzyl Alcohol	60		70			15		30
Carbazole	88		98		55-144	11		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	50		56		21-120
Phenol-d6	39		45		10-120
Nitrobenzene-d5	87		98		23-120
2-Fluorobiphenyl	89		100		15-120
2,4,6-Tribromophenol	87		97		10-120
4-Terphenyl-d14	86		96		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: 487 W. 129TH ST.
Project Number: 10825

Lab Number: L1423865
Report Date: 10/16/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-04 Batch: WG730182-2 WG730182-3								
Acenaphthene	77		79		37-111	3		40
2-Chloronaphthalene	74		80		40-140	8		40
Fluoranthene	88		93		40-140	6		40
Hexachlorobutadiene	62		65		40-140	5		40
Naphthalene	66		73		40-140	10		40
Benzo(a)anthracene	96		102		40-140	6		40
Benzo(a)pyrene	92		99		40-140	7		40
Benzo(b)fluoranthene	95		100		40-140	5		40
Benzo(k)fluoranthene	89		96		40-140	8		40
Chrysene	89		92		40-140	3		40
Acenaphthylene	82		88		40-140	7		40
Anthracene	86		93		40-140	8		40
Benzo(ghi)perylene	94		99		40-140	5		40
Fluorene	86		90		40-140	5		40
Phenanthrene	81		85		40-140	5		40
Dibenzo(a,h)anthracene	102		106		40-140	4		40
Indeno(1,2,3-cd)Pyrene	101		108		40-140	7		40
Pyrene	89		92		26-127	3		40
2-Methylnaphthalene	74		81		40-140	9		40
Pentachlorophenol	77		84		9-103	9		40
Hexachlorobenzene	83		89		40-140	7		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: 487 W. 129TH ST.

Project Number: 10825

Lab Number: L1423865

Report Date: 10/16/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-04 Batch: WG730182-2 WG730182-3								
Hexachloroethane	65		66		40-140	2		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	44		43		21-120
Phenol-d6	33		33		10-120
Nitrobenzene-d5	73		76		23-120
2-Fluorobiphenyl	74		80		15-120
2,4,6-Tribromophenol	96		99		10-120
4-Terphenyl-d14	81		83		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: 487 W. 129TH ST.
Project Number: 10825

Lab Number: L1423865
Report Date: 10/16/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-12 Batch: WG730214-2 WG730214-3								
Acenaphthene	80		74		31-137	8		50
1,2,4-Trichlorobenzene	78		52		38-107	40		50
Hexachlorobenzene	76		79		40-140	4		50
Bis(2-chloroethyl)ether	67		42		40-140	46		50
2-Chloronaphthalene	75		65		40-140	14		50
1,2-Dichlorobenzene	72		42		40-140	**53**	Q	50
1,3-Dichlorobenzene	72		42		40-140	**53**	Q	50
1,4-Dichlorobenzene	68		42		28-104	47		50
3,3'-Dichlorobenzidine	73		97		40-140	28		50
2,4-Dinitrotoluene	81		88		28-89	8		50
2,6-Dinitrotoluene	74		74		40-140	0		50
Fluoranthene	90		93		40-140	3		50
4-Chlorophenyl phenyl ether	77		77		40-140	0		50
4-Bromophenyl phenyl ether	82		82		40-140	0		50
Bis(2-chloroisopropyl)ether	65		40		40-140	48		50
Bis(2-chloroethoxy)methane	69		52		40-117	28		50
Hexachlorobutadiene	88		55		40-140	46		50
Hexachlorocyclopentadiene	94		49		40-140	**63**	Q	50
Hexachloroethane	78		45		40-140	**54**	Q	50
Isophorone	74		62		40-140	18		50
Naphthalene	74		52		40-140	35		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 487 W. 129TH ST.

Project Number: 10825

Lab Number: L1423865

Report Date: 10/16/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-12 Batch: WG730214-2 WG730214-3								
Nitrobenzene	84		58		40-140	37		50
NitrosoDiPhenylAmine(NDPA)/DPA	83		84			1		50
n-Nitrosodi-n-propylamine	75		57		32-121	27		50
Bis(2-Ethylhexyl)phthalate	86		91		40-140	6		50
Butyl benzyl phthalate	88		95		40-140	8		50
Di-n-butylphthalate	103		105		40-140	2		50
Di-n-octylphthalate	87		92		40-140	6		50
Diethyl phthalate	86		88		40-140	2		50
Dimethyl phthalate	87		87		40-140	0		50
Benzo(a)anthracene	95		99		40-140	4		50
Benzo(a)pyrene	101		104		40-140	3		50
Benzo(b)fluoranthene	94		97		40-140	3		50
Benzo(k)fluoranthene	89		93		40-140	4		50
Chrysene	82		87		40-140	6		50
Acenaphthylene	77		71		40-140	8		50
Anthracene	93		97		40-140	4		50
Benzo(ghi)perylene	98		109		40-140	11		50
Fluorene	80		79		40-140	1		50
Phenanthrene	84		86		40-140	2		50
Dibenzo(a,h)anthracene	99		110		40-140	11		50
Indeno(1,2,3-cd)Pyrene	103		113		40-140	9		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 487 W. 129TH ST.
Project Number: 10825

Lab Number: L1423865
Report Date: 10/16/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-12 Batch: WG730214-2 WG730214-3								
Pyrene	82		86		35-142	5		50
Biphenyl	85		75			13		50
4-Chloroaniline	57		82		40-140	36		50
2-Nitroaniline	67		67		47-134	0		50
3-Nitroaniline	68		82		26-129	19		50
4-Nitroaniline	84		88		41-125	5		50
Dibenzofuran	82		77		40-140	6		50
2-Methylnaphthalene	77		62		40-140	22		50
1,2,4,5-Tetrachlorobenzene	88		71		40-117	21		50
Acetophenone	91		62		14-144	38		50
2,4,6-Trichlorophenol	83		77		30-130	8		50
P-Chloro-M-Cresol	89		83		26-103	7		50
2-Chlorophenol	78		47		25-102	50		50
2,4-Dichlorophenol	91		75		30-130	19		50
2,4-Dimethylphenol	79		62		30-130	24		50
2-Nitrophenol	72		50		30-130	36		50
4-Nitrophenol	84		87		11-114	4		50
2,4-Dinitrophenol	40		36		4-130	11		50
4,6-Dinitro-o-cresol	66		68		10-130	3		50
Pentachlorophenol	88		88		17-109	0		50
Phenol	70		51		26-90	31		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 487 W. 129TH ST.

Project Number: 10825

Lab Number: L1423865

Report Date: 10/16/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-12 Batch: WG730214-2 WG730214-3								
2-Methylphenol	78		57		30-130.	31		50
3-Methylphenol/4-Methylphenol	74		59		30-130	23		50
2,4,5-Trichlorophenol	86		84		30-130	2		50
Benzoic Acid	27		21			25		50
Benzyl Alcohol	87		64		40-140	30		50
Carbazole	88		90		54-128	2		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	82		53		25-120
Phenol-d6	85		61		10-120
Nitrobenzene-d5	92		65		23-120
2-Fluorobiphenyl	88		75		30-120
2,4,6-Tribromophenol	113		112		0-136
4-Terphenyl-d14	90		96		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 487 W. 129TH ST.

Project Number: 10825

Lab Number: L1423865

Report Date: 10/16/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 05-12 Batch: WG730222-2 WG730222-3								
Acenaphthene	93		84		31-137	10		50
2-Chloronaphthalene	90		82		40-140	9		50
Fluoranthene	108		94		40-140	14		50
Hexachlorobutadiene	79		74		40-140	7		50
Naphthalene	84		78		40-140	7		50
Benzo(a)anthracene	114		96		40-140	17		50
Benzo(a)pyrene	118		100		40-140	17		50
Benzo(b)fluoranthene	117		100		40-140	16		50
Benzo(k)fluoranthene	113		98		40-140	14		50
Chrysene	109		92		40-140	17		50
Acenaphthylene	96		86		40-140	11		50
Anthracene	108		93		40-140	15		50
Benzo(ghi)perylene	111		94		40-140	17		50
Fluorene	100		89		40-140	12		50
Phenanthrene	100		87		40-140	14		50
Dibenzo(a,h)anthracene	112		95		40-140	16		50
Indeno(1,2,3-cd)Pyrene	112		94		40-140	17		50
Pyrene	107		93		35-142	14		50
2-Methylnaphthalene	89		82		40-140	8		50
Pentachlorophenol	71		58		17-109	20		50
Hexachlorobenzene	103		89		40-140	15		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 487 W. 129TH ST.

Project Number: 10825

Lab Number: L1423865

Report Date: 10/16/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 05-12 Batch: WG730222-2 WG730222-3								
Hexachloroethane	77		77		40-140	0		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	87		85		25-120
Phenol-d6	91		86		10-120
Nitrobenzene-d5	88		84		23-120
2-Fluorobiphenyl	88		82		30-120
2,4,6-Tribromophenol	110		98		0-136
4-Terphenyl-d14	98		87		18-120

PCBS

Project Name: 487 W. 129TH ST.
Lab Number: L1423865
Project Number: 10825
Report Date: 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-01
Client ID: GW-1
Sample Location: NEW YORK, NY
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 10/14/14 13:11
Analyst: JT

Date Collected: 10/08/14 14:30
Date Received: 10/09/14
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 10/11/14 17:13
Cleanup Method: EPA 3665A
Cleanup Date: 10/13/14
Cleanup Method: EPA 3660B
Cleanup Date: 10/14/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.100	0.066	1	A
Aroclor 1221	ND		ug/l	0.100	0.064	1	A
Aroclor 1232	ND		ug/l	0.100	0.037	1	A
Aroclor 1242	ND		ug/l	0.100	0.072	1	A
Aroclor 1248	ND		ug/l	0.100	0.061	1	A
Aroclor 1254	ND		ug/l	0.100	0.041	1	A
Aroclor 1260	ND		ug/l	0.100	0.038	1	A
Aroclor 1262	ND		ug/l	0.100	0.035	1	A
Aroclor 1268	ND		ug/l	0.100	0.045	1	A
PCBs, Total	ND		ug/l	0.100	0.035	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	32		30-150	B
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	36		30-150	A

Project Name: 487 W. 129TH ST.
Lab Number: L1423865
Project Number: 10825
Report Date: 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-02
Client ID: GW-2
Sample Location: NEW YORK, NY
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 10/14/14 13:25
Analyst: JT

Date Collected: 10/07/14 12:30
Date Received: 10/09/14
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 10/11/14 17:13
Cleanup Method: EPA 3665A
Cleanup Date: 10/13/14
Cleanup Method: EPA 3660B
Cleanup Date: 10/14/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.116	0.077	1	A
Aroclor 1221	ND		ug/l	0.116	0.074	1	A
Aroclor 1232	ND		ug/l	0.116	0.043	1	A
Aroclor 1242	ND		ug/l	0.116	0.084	1	A
Aroclor 1248	ND		ug/l	0.116	0.071	1	A
Aroclor 1254	ND		ug/l	0.116	0.048	1	A
Aroclor 1260	ND		ug/l	0.116	0.044	1	A
Aroclor 1262	ND		ug/l	0.116	0.041	1	A
Aroclor 1268	ND		ug/l	0.116	0.052	1	A
PCBs, Total	ND		ug/l	0.116	0.041	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	50		30-150	B
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	46		30-150	A

Project Name: 487 W. 129TH ST.
Lab Number: L1423865
Project Number: 10825
Report Date: 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-03
Client ID: GW-3
Sample Location: NEW YORK, NY
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 10/14/14 13:38
Analyst: JT

Date Collected: 10/08/14 10:00
Date Received: 10/09/14
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 10/11/14 17:13
Cleanup Method: EPA 3665A
Cleanup Date: 10/13/14
Cleanup Method: EPA 3660B
Cleanup Date: 10/14/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.100	0.066	1	A
Aroclor 1221	ND		ug/l	0.100	0.064	1	A
Aroclor 1232	ND		ug/l	0.100	0.037	1	A
Aroclor 1242	ND		ug/l	0.100	0.072	1	A
Aroclor 1248	ND		ug/l	0.100	0.061	1	A
Aroclor 1254	ND		ug/l	0.100	0.041	1	A
Aroclor 1260	ND		ug/l	0.100	0.038	1	A
Aroclor 1262	ND		ug/l	0.100	0.035	1	A
Aroclor 1268	ND		ug/l	0.100	0.045	1	A
PCBs, Total	ND		ug/l	0.100	0.035	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	33		30-150	B
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	35		30-150	A

Project Name: 487 W. 129TH ST.
Lab Number: L1423865
Project Number: 10825
Report Date: 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-04
Client ID: GW-4
Sample Location: NEW YORK, NY
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 10/14/14 13:51
Analyst: JT

Date Collected: 10/08/14 09:45
Date Received: 10/09/14
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 10/11/14 17:13
Cleanup Method: EPA 3665A
Cleanup Date: 10/13/14
Cleanup Method: EPA 3660B
Cleanup Date: 10/14/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.118	0.078	1	A
Aroclor 1221	ND		ug/l	0.118	0.075	1	A
Aroclor 1232	ND		ug/l	0.118	0.044	1	A
Aroclor 1242	ND		ug/l	0.118	0.085	1	A
Aroclor 1248	ND		ug/l	0.118	0.072	1	A
Aroclor 1254	ND		ug/l	0.118	0.048	1	A
Aroclor 1260	ND		ug/l	0.118	0.045	1	A
Aroclor 1262	ND		ug/l	0.118	0.041	1	A
Aroclor 1268	ND		ug/l	0.118	0.053	1	A
PCBs, Total	ND		ug/l	0.118	0.041	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	37		30-150	B
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	41		30-150	A

Project Name: 487 W. 129TH ST.
Lab Number: L1423865
Project Number: 10825
Report Date: 10/16/14

SAMPLE RESULTS

Lab ID:	L1423865-05	Date Collected:	10/08/14 13:45
Client ID:	WC-1-8'-10'	Date Received:	10/09/14
Sample Location:	NEW YORK, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	10/10/14 17:19
Analytical Date:	10/12/14 02:24	Cleanup Method:	EPA 3665A
Analyst:	KB	Cleanup Date:	10/11/14
Percent Solids:	86%	Cleanup Method:	EPA 3660B
		Cleanup Date:	10/11/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.6	2.97	1	A
Aroclor 1221	ND		ug/kg	37.6	3.46	1	A
Aroclor 1232	ND		ug/kg	37.6	4.40	1	A
Aroclor 1242	ND		ug/kg	37.6	4.60	1	A
Aroclor 1248	ND		ug/kg	37.6	3.17	1	A
Aroclor 1254	ND		ug/kg	37.6	3.09	1	A
Aroclor 1260	ND		ug/kg	37.6	2.86	1	A
Aroclor 1262	ND		ug/kg	37.6	1.86	1	A
Aroclor 1268	ND		ug/kg	37.6	5.44	1	A
PCBs, Total	ND		ug/kg	37.6	1.86	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	45		30-150	A
2,4,5,6-Tetrachloro-m-xylene	54		30-150	B
Decachlorobiphenyl	45		30-150	B

Project Name: 487 W. 129TH ST.
Lab Number: L1423865
Project Number: 10825
Report Date: 10/16/14

SAMPLE RESULTS

Lab ID:	L1423865-06	Date Collected:	10/08/14 14:15
Client ID:	WC-1-12'-14'	Date Received:	10/09/14
Sample Location:	NEW YORK, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	10/10/14 17:19
Analytical Date:	10/12/14 03:31	Cleanup Method:	EPA 3665A
Analyst:	KB	Cleanup Date:	10/11/14
Percent Solids:	78%	Cleanup Method:	EPA 3660B
		Cleanup Date:	10/11/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	40.8	3.23	1	A
Aroclor 1221	ND		ug/kg	40.8	3.77	1	A
Aroclor 1232	ND		ug/kg	40.8	4.79	1	A
Aroclor 1242	ND		ug/kg	40.8	5.00	1	A
Aroclor 1248	ND		ug/kg	40.8	3.45	1	A
Aroclor 1254	ND		ug/kg	40.8	3.36	1	A
Aroclor 1260	ND		ug/kg	40.8	3.11	1	A
Aroclor 1262	ND		ug/kg	40.8	2.03	1	A
Aroclor 1268	ND		ug/kg	40.8	5.92	1	A
PCBs, Total	ND		ug/kg	40.8	2.03	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	54		30-150	B

Project Name: 487 W. 129TH ST.
Lab Number: L1423865
Project Number: 10825
Report Date: 10/16/14

SAMPLE RESULTS

Lab ID:	L1423865-07	Date Collected:	10/07/14 12:15
Client ID:	WC-2-3'-5'	Date Received:	10/09/14
Sample Location:	NEW YORK, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	10/10/14 17:20
Analytical Date:	10/12/14 03:44	Cleanup Method:	EPA 3665A
Analyst:	KB	Cleanup Date:	10/11/14
Percent Solids:	80%	Cleanup Method:	EPA 3660B
		Cleanup Date:	10/11/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	40.1	3.17	1	A
Aroclor 1221	ND		ug/kg	40.1	3.70	1	A
Aroclor 1232	ND		ug/kg	40.1	4.70	1	A
Aroclor 1242	ND		ug/kg	40.1	4.91	1	A
Aroclor 1248	ND		ug/kg	40.1	3.39	1	A
Aroclor 1254	ND		ug/kg	40.1	3.30	1	A
Aroclor 1260	ND		ug/kg	40.1	3.06	1	A
Aroclor 1262	ND		ug/kg	40.1	1.99	1	A
Aroclor 1268	ND		ug/kg	40.1	5.82	1	A
PCBs, Total	ND		ug/kg	40.1	1.99	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	50		30-150	A
Decachlorobiphenyl	40		30-150	A
2,4,5,6-Tetrachloro-m-xylene	53		30-150	B
Decachlorobiphenyl	48		30-150	B

Project Name: 487 W. 129TH ST.
Lab Number: L1423865
Project Number: 10825
Report Date: 10/16/14

SAMPLE RESULTS

Lab ID:	L1423865-08	Date Collected:	10/07/14 12:15
Client ID:	WC-2-12'-14'	Date Received:	10/09/14
Sample Location:	NEW YORK, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	10/10/14 17:20
Analytical Date:	10/12/14 03:58	Cleanup Method:	EPA 3665A
Analyst:	KB	Cleanup Date:	10/11/14
Percent Solids:	80%	Cleanup Method:	EPA 3660B
		Cleanup Date:	10/11/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.7	3.13	1	A
Aroclor 1221	ND		ug/kg	39.7	3.66	1	A
Aroclor 1232	ND		ug/kg	39.7	4.65	1	A
Aroclor 1242	ND		ug/kg	39.7	4.86	1	A
Aroclor 1248	ND		ug/kg	39.7	3.35	1	A
Aroclor 1254	ND		ug/kg	39.7	3.26	1	A
Aroclor 1260	ND		ug/kg	39.7	3.02	1	A
Aroclor 1262	ND		ug/kg	39.7	1.97	1	A
Aroclor 1268	ND		ug/kg	39.7	5.75	1	A
PCBs, Total	ND		ug/kg	39.7	1.97	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	50		30-150	A
Decachlorobiphenyl	36		30-150	A
2,4,5,6-Tetrachloro-m-xylene	51		30-150	B
Decachlorobiphenyl	41		30-150	B

Project Name: 487 W. 129TH ST.
Lab Number: L1423865
Project Number: 10825
Report Date: 10/16/14

SAMPLE RESULTS

Lab ID:	L1423865-09	Date Collected:	10/07/14 15:30
Client ID:	WC-3 3'-5'	Date Received:	10/09/14
Sample Location:	NEW YORK, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	10/10/14 17:20
Analytical Date:	10/12/14 04:11	Cleanup Method:	EPA 3665A
Analyst:	KB	Cleanup Date:	10/11/14
Percent Solids:	87%	Cleanup Method:	EPA 3660B
		Cleanup Date:	10/11/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.6	2.97	1	A
Aroclor 1221	ND		ug/kg	37.6	3.46	1	A
Aroclor 1232	ND		ug/kg	37.6	4.40	1	A
Aroclor 1242	ND		ug/kg	37.6	4.60	1	A
Aroclor 1248	ND		ug/kg	37.6	3.17	1	A
Aroclor 1254	ND		ug/kg	37.6	3.09	1	A
Aroclor 1260	ND		ug/kg	37.6	2.86	1	A
Aroclor 1262	ND		ug/kg	37.6	1.86	1	A
Aroclor 1268	ND		ug/kg	37.6	5.45	1	A
PCBs, Total	ND		ug/kg	37.6	1.86	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	47		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	48		30-150	B

Project Name: 487 W. 129TH ST.
Lab Number: L1423865
Project Number: 10825
Report Date: 10/16/14

SAMPLE RESULTS

Lab ID:	L1423865-10	Date Collected:	10/07/14 15:45
Client ID:	WC-3 26'-28'	Date Received:	10/09/14
Sample Location:	NEW YORK, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	10/10/14 17:20
Analytical Date:	10/12/14 04:24	Cleanup Method:	EPA 3665A
Analyst:	KB	Cleanup Date:	10/11/14
Percent Solids:	79%	Cleanup Method:	EPA 3660B
		Cleanup Date:	10/11/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	40.5	3.20	1	A
Aroclor 1221	ND		ug/kg	40.5	3.73	1	A
Aroclor 1232	ND		ug/kg	40.5	4.74	1	A
Aroclor 1242	ND		ug/kg	40.5	4.95	1	A
Aroclor 1248	ND		ug/kg	40.5	3.42	1	A
Aroclor 1254	ND		ug/kg	40.5	3.33	1	A
Aroclor 1260	ND		ug/kg	40.5	3.08	1	A
Aroclor 1262	ND		ug/kg	40.5	2.01	1	A
Aroclor 1268	ND		ug/kg	40.5	5.87	1	A
PCBs, Total	ND		ug/kg	40.5	2.01	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		30-150	A
Decachlorobiphenyl	36		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	39		30-150	B

Project Name: 487 W. 129TH ST.
Lab Number: L1423865
Project Number: 10825
Report Date: 10/16/14

SAMPLE RESULTS

Lab ID:	L1423865-11	Date Collected:	10/07/14 16:55
Client ID:	WC-4-7'-9'	Date Received:	10/09/14
Sample Location:	NEW YORK, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	10/10/14 17:20
Analytical Date:	10/12/14 04:38	Cleanup Method:	EPA 3665A
Analyst:	KB	Cleanup Date:	10/11/14
Percent Solids:	87%	Cleanup Method:	EPA 3660B
		Cleanup Date:	10/11/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.6	2.97	1	A
Aroclor 1221	ND		ug/kg	37.6	3.46	1	A
Aroclor 1232	ND		ug/kg	37.6	4.40	1	A
Aroclor 1242	ND		ug/kg	37.6	4.60	1	A
Aroclor 1248	ND		ug/kg	37.6	3.17	1	A
Aroclor 1254	ND		ug/kg	37.6	3.09	1	A
Aroclor 1260	ND		ug/kg	37.6	2.86	1	A
Aroclor 1262	ND		ug/kg	37.6	1.86	1	A
Aroclor 1268	ND		ug/kg	37.6	5.45	1	A
PCBs, Total	ND		ug/kg	37.6	1.86	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	49		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	52		30-150	B

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID:	L1423865-12	Date Collected:	10/07/14 17:25
Client ID:	WC-4 26'-28'	Date Received:	10/09/14
Sample Location:	NEW YORK, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	10/10/14 17:20
Analytical Date:	10/11/14 23:16	Cleanup Method:	EPA 3665A
Analyst:	KB	Cleanup Date:	10/11/14
Percent Solids:	81%	Cleanup Method:	EPA 3660B
		Cleanup Date:	10/11/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	40.2	3.17	1	A
Aroclor 1221	ND		ug/kg	40.2	3.70	1	A
Aroclor 1232	ND		ug/kg	40.2	4.71	1	A
Aroclor 1242	ND		ug/kg	40.2	4.92	1	A
Aroclor 1248	ND		ug/kg	40.2	3.39	1	A
Aroclor 1254	ND		ug/kg	40.2	3.30	1	A
Aroclor 1260	ND		ug/kg	40.2	3.06	1	A
Aroclor 1262	ND		ug/kg	40.2	1.99	1	A
Aroclor 1268	ND		ug/kg	40.2	5.82	1	A
PCBs, Total	ND		ug/kg	40.2	1.99	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	54		30-150	B
Decachlorobiphenyl	50		30-150	B

Project Name: 487 W. 129TH ST.

Project Number: 10825

Lab Number: L1423865

Report Date: 10/16/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 10/12/14 02:38
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 10/10/14 17:19
Cleanup Method: EPA 3665A
Cleanup Date: 10/11/14
Cleanup Method: EPA 3660B
Cleanup Date: 10/11/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 05-12 Batch: WG730049-1						
Aroclor 1016	ND		ug/kg	32.6	2.57	A
Aroclor 1221	ND		ug/kg	32.6	3.00	A
Aroclor 1232	ND		ug/kg	32.6	3.82	A
Aroclor 1242	ND		ug/kg	32.6	3.99	A
Aroclor 1248	ND		ug/kg	32.6	2.75	A
Aroclor 1254	ND		ug/kg	32.6	2.68	A
Aroclor 1260	ND		ug/kg	32.6	2.48	A
Aroclor 1262	ND		ug/kg	32.6	1.62	A
Aroclor 1268	ND		ug/kg	32.6	4.73	A
PCBs, Total	ND		ug/kg	32.6	1.62	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	56		30-150	B

Project Name: 487 W. 129TH ST.

Project Number: 10825

Lab Number: L1423865

Report Date: 10/16/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 10/13/14 18:12
Analyst: JT

Extraction Method: EPA 3510C
Extraction Date: 10/11/14 17:13
Cleanup Method: EPA 3665A
Cleanup Date: 10/13/14
Cleanup Method: EPA 3660B
Cleanup Date: 10/13/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-04 Batch: WG730238-1						
Aroclor 1016	ND		ug/l	0.083	0.055	A
Aroclor 1221	ND		ug/l	0.083	0.053	A
Aroclor 1232	ND		ug/l	0.083	0.031	A
Aroclor 1242	ND		ug/l	0.083	0.060	A
Aroclor 1248	ND		ug/l	0.083	0.051	A
Aroclor 1254	ND		ug/l	0.083	0.034	A
Aroclor 1260	ND		ug/l	0.083	0.032	A
Aroclor 1262	ND		ug/l	0.083	0.029	A
Aroclor 1268	ND		ug/l	0.083	0.038	A
PCBs, Total	ND		ug/l	0.083	0.029	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		30-150	B
Decachlorobiphenyl	50		30-150	B
2,4,5,6-Tetrachloro-m-xylene	48		30-150	A
Decachlorobiphenyl	46		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 487 W. 129TH ST.

Project Number: 10825

Lab Number: L1423865

Report Date: 10/16/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 05-12 Batch: WG730049-2 WG730049-3									
Aroclor 1016	89		75		40-140	17		50	A
Aroclor 1260	82		69		40-140	17		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		58		30-150	A
Decachlorobiphenyl	64		55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		56		30-150	B
Decachlorobiphenyl	59		49		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 487 W. 129TH ST.

Project Number: 10825

Lab Number: L1423865

Report Date: 10/16/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG730238-2 WG730238-3									
Aroclor 1016	56		52		40-140	9		50	A
Aroclor 1260	64		57		40-140	11		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	52		48		30-150	B
Decachlorobiphenyl	45		40		30-150	B
2,4,5,6-Tetrachloro-m-xylene	46		42		30-150	A
Decachlorobiphenyl	42		36		30-150	A

PESTICIDES

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID:	L1423865-01	Date Collected:	10/08/14 14:30
Client ID:	GW-1	Date Received:	10/09/14
Sample Location:	NEW YORK, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	10/11/14 16:48
Analytical Date:	10/14/14 01:13	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	10/13/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	122		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	111		30-150	B
Decachlorobiphenyl	61		30-150	B

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID:	L1423865-02	Date Collected:	10/07/14 12:30
Client ID:	GW-2	Date Received:	10/09/14
Sample Location:	NEW YORK, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	10/11/14 16:48
Analytical Date:	10/14/14 01:26	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	10/13/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	125		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	106		30-150	B
Decachlorobiphenyl	81		30-150	B

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID:	L1423865-03	Date Collected:	10/08/14 10:00
Client ID:	GW-3	Date Received:	10/09/14
Sample Location:	NEW YORK, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	10/11/14 16:48
Analytical Date:	10/14/14 01:39	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	10/13/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	110		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	103		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID:	L1423865-04	Date Collected:	10/08/14 09:45
Client ID:	GW-4	Date Received:	10/09/14
Sample Location:	NEW YORK, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	10/11/14 16:48
Analytical Date:	10/14/14 01:51	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	10/13/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	133		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	130		30-150	B
Decachlorobiphenyl	82		30-150	B

Project Name: 487 W. 129TH ST.
Lab Number: L1423865
Project Number: 10825
Report Date: 10/16/14

SAMPLE RESULTS

Lab ID:	L1423865-05	Date Collected:	10/08/14 13:45
Client ID:	WC-1-8'-10'	Date Received:	10/09/14
Sample Location:	NEW YORK, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	10/12/14 16:06
Analytical Date:	10/14/14 23:05	Cleanup Method:	EPA 3620B
Analyst:	GP	Cleanup Date:	10/14/14
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.82	0.356	1	A
Lindane	ND		ug/kg	0.757	0.338	1	A
Alpha-BHC	ND		ug/kg	0.757	0.215	1	A
Beta-BHC	ND		ug/kg	1.82	0.689	1	A
Heptachlor	ND		ug/kg	0.908	0.407	1	A
Aldrin	ND		ug/kg	1.82	0.640	1	A
Heptachlor epoxide	ND		ug/kg	3.41	1.02	1	A
Endrin	ND		ug/kg	0.757	0.310	1	A
Endrin ketone	ND		ug/kg	1.82	0.468	1	A
Dieldrin	ND		ug/kg	1.14	0.568	1	A
4,4'-DDE	ND		ug/kg	1.82	0.420	1	A
4,4'-DDD	ND		ug/kg	1.82	0.648	1	A
4,4'-DDT	ND		ug/kg	3.41	1.46	1	A
Endosulfan I	ND		ug/kg	1.82	0.429	1	A
Endosulfan II	ND		ug/kg	1.82	0.607	1	A
Endosulfan sulfate	ND		ug/kg	0.757	0.360	1	A
Methoxychlor	ND		ug/kg	3.41	1.06	1	A
Toxaphene	ND		ug/kg	34.1	9.54	1	A
cis-Chlordane	ND		ug/kg	2.27	0.633	1	A
trans-Chlordane	ND		ug/kg	2.27	0.600	1	A
Chlordane	ND		ug/kg	14.8	6.02	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	109		30-150	B
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	64		30-150	A

Project Name: 487 W. 129TH ST.
Lab Number: L1423865
Project Number: 10825
Report Date: 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-06
Client ID: WC-1-12'-14'
Sample Location: NEW YORK, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/14/14 23:18
Analyst: GP
Percent Solids: 78%

Date Collected: 10/08/14 14:15
Date Received: 10/09/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/12/14 16:06
Cleanup Method: EPA 3620B
Cleanup Date: 10/14/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.99	0.389	1	A
Lindane	ND		ug/kg	0.829	0.370	1	A
Alpha-BHC	ND		ug/kg	0.829	0.235	1	A
Beta-BHC	ND		ug/kg	1.99	0.754	1	A
Heptachlor	ND		ug/kg	0.994	0.446	1	A
Aldrin	ND		ug/kg	1.99	0.700	1	A
Heptachlor epoxide	ND		ug/kg	3.73	1.12	1	A
Endrin	ND		ug/kg	0.829	0.340	1	A
Endrin ketone	ND		ug/kg	1.99	0.512	1	A
Dieldrin	ND		ug/kg	1.24	0.622	1	A
4,4'-DDE	ND		ug/kg	1.99	0.460	1	A
4,4'-DDD	ND		ug/kg	1.99	0.709	1	A
4,4'-DDT	ND		ug/kg	3.73	1.60	1	A
Endosulfan I	ND		ug/kg	1.99	0.470	1	A
Endosulfan II	ND		ug/kg	1.99	0.665	1	A
Endosulfan sulfate	ND		ug/kg	0.829	0.394	1	A
Methoxychlor	ND		ug/kg	3.73	1.16	1	A
Toxaphene	ND		ug/kg	37.3	10.4	1	A
cis-Chlordane	ND		ug/kg	2.49	0.693	1	A
trans-Chlordane	ND		ug/kg	2.49	0.656	1	A
Chlordane	ND		ug/kg	16.2	6.59	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	46		30-150	B
Decachlorobiphenyl	50		30-150	B
2,4,5,6-Tetrachloro-m-xylene	50		30-150	A
Decachlorobiphenyl	47		30-150	A

Project Name: 487 W. 129TH ST.
Lab Number: L1423865
Project Number: 10825
Report Date: 10/16/14

SAMPLE RESULTS

Lab ID:	L1423865-07	Date Collected:	10/07/14 12:15
Client ID:	WC-2-3'-5'	Date Received:	10/09/14
Sample Location:	NEW YORK, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	10/12/14 16:06
Analytical Date:	10/14/14 23:30	Cleanup Method:	EPA 3620B
Analyst:	GP	Cleanup Date:	10/14/14
Percent Solids:	80%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.96	0.384	1	A
Lindane	ND		ug/kg	0.817	0.365	1	A
Alpha-BHC	ND		ug/kg	0.817	0.232	1	A
Beta-BHC	ND		ug/kg	1.96	0.744	1	A
Heptachlor	ND		ug/kg	0.981	0.440	1	A
Aldrin	ND		ug/kg	1.96	0.691	1	A
Heptachlor epoxide	ND		ug/kg	3.68	1.10	1	A
Endrin	ND		ug/kg	0.817	0.335	1	A
Endrin ketone	ND		ug/kg	1.96	0.505	1	A
Dieldrin	ND		ug/kg	1.23	0.613	1	A
4,4'-DDE	ND		ug/kg	1.96	0.454	1	A
4,4'-DDD	ND		ug/kg	1.96	0.700	1	A
4,4'-DDT	ND		ug/kg	3.68	1.58	1	A
Endosulfan I	ND		ug/kg	1.96	0.463	1	A
Endosulfan II	ND		ug/kg	1.96	0.656	1	A
Endosulfan sulfate	ND		ug/kg	0.817	0.389	1	A
Methoxychlor	ND		ug/kg	3.68	1.14	1	A
Toxaphene	ND		ug/kg	36.8	10.3	1	A
cis-Chlordane	ND		ug/kg	2.45	0.683	1	A
trans-Chlordane	ND		ug/kg	2.45	0.647	1	A
Chlordane	ND		ug/kg	15.9	6.50	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	49		30-150	B
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	58		30-150	A

Project Name: 487 W. 129TH ST.
Lab Number: L1423865
Project Number: 10825
Report Date: 10/16/14

SAMPLE RESULTS

Lab ID:	L1423865-08	Date Collected:	10/07/14 12:15
Client ID:	WC-2-12'-14'	Date Received:	10/09/14
Sample Location:	NEW YORK, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	10/12/14 16:06
Analytical Date:	10/14/14 23:43	Cleanup Method:	EPA 3620B
Analyst:	GP	Cleanup Date:	10/14/14
Percent Solids:	80%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.90	0.372	1	A
Lindane	ND		ug/kg	0.792	0.354	1	A
Alpha-BHC	ND		ug/kg	0.792	0.225	1	A
Beta-BHC	ND		ug/kg	1.90	0.720	1	A
Heptachlor	ND		ug/kg	0.950	0.426	1	A
Aldrin	ND		ug/kg	1.90	0.669	1	A
Heptachlor epoxide	ND		ug/kg	3.56	1.07	1	A
Endrin	ND		ug/kg	0.792	0.324	1	A
Endrin ketone	ND		ug/kg	1.90	0.489	1	A
Dieldrin	ND		ug/kg	1.19	0.594	1	A
4,4'-DDE	ND		ug/kg	1.90	0.439	1	A
4,4'-DDD	ND		ug/kg	1.90	0.678	1	A
4,4'-DDT	ND		ug/kg	3.56	1.53	1	A
Endosulfan I	ND		ug/kg	1.90	0.449	1	A
Endosulfan II	ND		ug/kg	1.90	0.635	1	A
Endosulfan sulfate	ND		ug/kg	0.792	0.377	1	A
Methoxychlor	ND		ug/kg	3.56	1.11	1	A
Toxaphene	ND		ug/kg	35.6	9.97	1	A
cis-Chlordane	ND		ug/kg	2.37	0.662	1	A
trans-Chlordane	ND		ug/kg	2.37	0.627	1	A
Chlordane	ND		ug/kg	15.4	6.29	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	B
Decachlorobiphenyl	46		30-150	B
2,4,5,6-Tetrachloro-m-xylene	**12400**	Q	30-150	A
Decachlorobiphenyl	71		30-150	A

Project Name: 487 W. 129TH ST.
Lab Number: L1423865
Project Number: 10825
Report Date: 10/16/14

SAMPLE RESULTS

Lab ID:	L1423865-09	Date Collected:	10/07/14 15:30
Client ID:	WC-3 3'-5'	Date Received:	10/09/14
Sample Location:	NEW YORK, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	10/12/14 16:06
Analytical Date:	10/14/14 23:56	Cleanup Method:	EPA 3620B
Analyst:	GP	Cleanup Date:	10/14/14
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.82	0.356	1	A
Lindane	ND		ug/kg	0.757	0.338	1	A
Alpha-BHC	ND		ug/kg	0.757	0.215	1	A
Beta-BHC	ND		ug/kg	1.82	0.688	1	A
Heptachlor	ND		ug/kg	0.908	0.407	1	A
Aldrin	ND		ug/kg	1.82	0.639	1	A
Heptachlor epoxide	ND		ug/kg	3.40	1.02	1	A
Endrin	ND		ug/kg	0.757	0.310	1	A
Endrin ketone	ND		ug/kg	1.82	0.468	1	A
Dieldrin	ND		ug/kg	1.14	0.568	1	A
4,4'-DDE	ND		ug/kg	1.82	0.420	1	A
4,4'-DDD	ND		ug/kg	1.82	0.648	1	A
4,4'-DDT	ND		ug/kg	3.40	1.46	1	A
Endosulfan I	ND		ug/kg	1.82	0.429	1	A
Endosulfan II	ND		ug/kg	1.82	0.607	1	A
Endosulfan sulfate	ND		ug/kg	0.757	0.360	1	A
Methoxychlor	ND		ug/kg	3.40	1.06	1	A
Toxaphene	ND		ug/kg	34.0	9.53	1	A
cis-Chlordane	ND		ug/kg	2.27	0.633	1	A
trans-Chlordane	ND		ug/kg	2.27	0.599	1	A
Chlordane	ND		ug/kg	14.8	6.02	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	71		30-150	B
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	64		30-150	A

Project Name: 487 W. 129TH ST.
Lab Number: L1423865
Project Number: 10825
Report Date: 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-10
Client ID: WC-3 26'-28'
Sample Location: NEW YORK, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/15/14 00:09
Analyst: GP
Percent Solids: 79%

Date Collected: 10/07/14 15:45
Date Received: 10/09/14
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/12/14 16:06
Cleanup Method: EPA 3620B
Cleanup Date: 10/14/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.94	0.379	1	A
Lindane	ND		ug/kg	0.807	0.361	1	A
Alpha-BHC	ND		ug/kg	0.807	0.229	1	A
Beta-BHC	ND		ug/kg	1.94	0.734	1	A
Heptachlor	ND		ug/kg	0.968	0.434	1	A
Aldrin	ND		ug/kg	1.94	0.682	1	A
Heptachlor epoxide	ND		ug/kg	3.63	1.09	1	A
Endrin	ND		ug/kg	0.807	0.331	1	A
Endrin ketone	ND		ug/kg	1.94	0.498	1	A
Dieldrin	ND		ug/kg	1.21	0.605	1	A
4,4'-DDE	ND		ug/kg	1.94	0.448	1	A
4,4'-DDD	ND		ug/kg	1.94	0.691	1	A
4,4'-DDT	ND		ug/kg	3.63	1.56	1	A
Endosulfan I	ND		ug/kg	1.94	0.457	1	A
Endosulfan II	ND		ug/kg	1.94	0.647	1	A
Endosulfan sulfate	ND		ug/kg	0.807	0.384	1	A
Methoxychlor	ND		ug/kg	3.63	1.13	1	A
Toxaphene	ND		ug/kg	36.3	10.2	1	A
cis-Chlordane	ND		ug/kg	2.42	0.674	1	A
trans-Chlordane	ND		ug/kg	2.42	0.639	1	A
Chlordane	ND		ug/kg	15.7	6.41	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	75		30-150	B
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	78		30-150	A

Project Name: 487 W. 129TH ST.
Lab Number: L1423865
Project Number: 10825
Report Date: 10/16/14

SAMPLE RESULTS

Lab ID:	L1423865-11	Date Collected:	10/07/14 16:55
Client ID:	WC-4-7'-9'	Date Received:	10/09/14
Sample Location:	NEW YORK, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	10/12/14 16:06
Analytical Date:	10/15/14 00:22	Cleanup Method:	EPA 3620B
Analyst:	GP	Cleanup Date:	10/14/14
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.73	0.340	1	A
Lindane	ND		ug/kg	0.723	0.323	1	A
Alpha-BHC	ND		ug/kg	0.723	0.205	1	A
Beta-BHC	ND		ug/kg	1.73	0.658	1	A
Heptachlor	ND		ug/kg	0.867	0.389	1	A
Aldrin	ND		ug/kg	1.73	0.611	1	A
Heptachlor epoxide	ND		ug/kg	3.25	0.976	1	A
Endrin	ND		ug/kg	0.723	0.296	1	A
Endrin ketone	ND		ug/kg	1.73	0.447	1	A
Dieldrin	ND		ug/kg	1.08	0.542	1	A
4,4'-DDE	ND		ug/kg	1.73	0.401	1	A
4,4'-DDD	ND		ug/kg	1.73	0.619	1	A
4,4'-DDT	ND		ug/kg	3.25	1.40	1	A
Endosulfan I	ND		ug/kg	1.73	0.410	1	A
Endosulfan II	ND		ug/kg	1.73	0.580	1	A
Endosulfan sulfate	ND		ug/kg	0.723	0.344	1	A
Methoxychlor	ND		ug/kg	3.25	1.01	1	A
Toxaphene	ND		ug/kg	32.5	9.11	1	A
cis-Chlordane	ND		ug/kg	2.17	0.604	1	A
trans-Chlordane	ND		ug/kg	2.17	0.572	1	A
Chlordane	ND		ug/kg	14.1	5.75	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	117		30-150	B
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	76		30-150	A

Project Name: 487 W. 129TH ST.
Lab Number: L1423865
Project Number: 10825
Report Date: 10/16/14

SAMPLE RESULTS

Lab ID:	L1423865-12	Date Collected:	10/07/14 17:25
Client ID:	WC-4 26'-28'	Date Received:	10/09/14
Sample Location:	NEW YORK, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	10/12/14 16:06
Analytical Date:	10/15/14 00:34	Cleanup Method:	EPA 3620B
Analyst:	GP	Cleanup Date:	10/14/14
Percent Solids:	81%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.93	0.379	1	A
Lindane	ND		ug/kg	0.806	0.360	1	A
Alpha-BHC	ND		ug/kg	0.806	0.229	1	A
Beta-BHC	ND		ug/kg	1.93	0.733	1	A
Heptachlor	ND		ug/kg	0.967	0.434	1	A
Aldrin	ND		ug/kg	1.93	0.681	1	A
Heptachlor epoxide	ND		ug/kg	3.63	1.09	1	A
Endrin	ND		ug/kg	0.806	0.330	1	A
Endrin ketone	ND		ug/kg	1.93	0.498	1	A
Dieldrin	ND		ug/kg	1.21	0.604	1	A
4,4'-DDE	ND		ug/kg	1.93	0.447	1	A
4,4'-DDD	ND		ug/kg	1.93	0.690	1	A
4,4'-DDT	ND		ug/kg	3.63	1.56	1	A
Endosulfan I	ND		ug/kg	1.93	0.457	1	A
Endosulfan II	ND		ug/kg	1.93	0.646	1	A
Endosulfan sulfate	ND		ug/kg	0.806	0.384	1	A
Methoxychlor	ND		ug/kg	3.63	1.13	1	A
Toxaphene	ND		ug/kg	36.3	10.2	1	A
cis-Chlordane	ND		ug/kg	2.42	0.674	1	A
trans-Chlordane	ND		ug/kg	2.42	0.638	1	A
Chlordane	ND		ug/kg	15.7	6.41	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	83		30-150	B
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	86		30-150	A

Project Name: 487 W. 129TH ST.
Project Number: 10825

Lab Number: L1423865
Report Date: 10/16/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 10/14/14 00:35
Analyst: JW

Extraction Method: EPA 3510C
Extraction Date: 10/11/14 16:48
Cleanup Method: EPA 3620B
Cleanup Date: 10/13/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-04 Batch: WG730226-1						
Delta-BHC	ND		ug/l	0.020	0.005	A
Lindane	ND		ug/l	0.020	0.004	A
Alpha-BHC	ND		ug/l	0.020	0.004	A
Beta-BHC	ND		ug/l	0.020	0.006	A
Heptachlor	ND		ug/l	0.020	0.003	A
Aldrin	ND		ug/l	0.020	0.002	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	A
Endrin	ND		ug/l	0.040	0.004	A
Endrin ketone	ND		ug/l	0.040	0.005	A
Dieldrin	ND		ug/l	0.040	0.004	A
4,4'-DDE	ND		ug/l	0.040	0.004	A
4,4'-DDD	ND		ug/l	0.040	0.005	A
4,4'-DDT	ND		ug/l	0.040	0.004	A
Endosulfan I	ND		ug/l	0.020	0.003	A
Endosulfan II	ND		ug/l	0.040	0.005	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	A
Methoxychlor	ND		ug/l	0.200	0.007	A
Toxaphene	ND		ug/l	0.200	0.063	A
cis-Chlordane	ND		ug/l	0.020	0.007	A
trans-Chlordane	ND		ug/l	0.020	0.006	A
Chlordane	ND		ug/l	0.200	0.046	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	120		30-150	A
Decachlorobiphenyl	143		30-150	A
2,4,5,6-Tetrachloro-m-xylene	122		30-150	B
Decachlorobiphenyl	149		30-150	B

Project Name: 487 W. 129TH ST.
Project Number: 10825

Lab Number: L1423865
Report Date: 10/16/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 10/14/14 20:32
Analyst: GP

Extraction Method: EPA 3546
Extraction Date: 10/12/14 16:06
Cleanup Method: EPA 3620B
Cleanup Date: 10/14/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 05-12 Batch: WG731731-1						
Delta-BHC	ND		ug/kg	1.50	0.294	A
Lindane	ND		ug/kg	0.626	0.280	A
Alpha-BHC	ND		ug/kg	0.626	0.178	A
Beta-BHC	ND		ug/kg	1.50	0.570	A
Heptachlor	ND		ug/kg	0.751	0.337	A
Aldrin	ND		ug/kg	1.50	0.529	A
Heptachlor epoxide	ND		ug/kg	2.82	0.845	A
Endrin	ND		ug/kg	0.626	0.257	A
Endrin ketone	ND		ug/kg	1.50	0.387	A
Dieldrin	ND		ug/kg	0.939	0.470	A
4,4'-DDE	ND		ug/kg	1.50	0.348	A
4,4'-DDD	ND		ug/kg	1.50	0.536	A
4,4'-DDT	ND		ug/kg	2.82	1.21	A
Endosulfan I	ND		ug/kg	1.50	0.355	A
Endosulfan II	ND		ug/kg	1.50	0.502	A
Endosulfan sulfate	ND		ug/kg	0.626	0.298	A
Methoxychlor	ND		ug/kg	2.82	0.877	A
Toxaphene	ND		ug/kg	28.2	7.89	A
cis-Chlordane	ND		ug/kg	1.88	0.523	A
trans-Chlordane	ND		ug/kg	1.88	0.496	A
Chlordane	ND		ug/kg	12.2	4.98	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	44		30-150	B
Decachlorobiphenyl	44		30-150	B
2,4,5,6-Tetrachloro-m-xylene	47		30-150	A
Decachlorobiphenyl	39		30-150	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 487 W. 129TH ST.
Project Number: 10825
Lab Number: L1423865
Report Date: 10/16/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG730226-2 WG730226-3									
Delta-BHC	32		102		30-150	**104**	Q	20	A
Lindane	33		113		30-150	**109**	Q	20	A
Alpha-BHC	33		104		30-150	**104**	Q	20	A
Beta-BHC	41		115		30-150	**96**	Q	20	A
Heptachlor	33		102		30-150	**103**	Q	20	A
Aldrin	31		102		30-150	**108**	Q	20	A
Heptachlor epoxide	34		107		30-150	**104**	Q	20	A
Endrin	35		117		30-150	**108**	Q	20	A
Endrin ketone	**28**	Q	90		30-150	**106**	Q	20	A
Dieldrin	34		114		30-150	**108**	Q	20	A
4,4'-DDE	31		106		30-150	**110**	Q	20	A
4,4'-DDD	33		112		30-150	**109**	Q	20	A
4,4'-DDT	32		105		30-150	**106**	Q	20	A
Endosulfan I	46		112		30-150	**83**	Q	20	A
Endosulfan II	30		95		30-150	**104**	Q	20	A
Endosulfan sulfate	31		98		30-150	**103**	Q	20	A
Methoxychlor	34		94		30-150	**95**	Q	20	A
cis-Chlordane	32		102		30-150	**105**	Q	20	A
trans-Chlordane	34		105		30-150	**102**	Q	20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 487 W. 129TH ST.

Project Number: 10825

Lab Number: L1423865

Report Date: 10/16/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG730226-2 WG730226-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	38		112		30-150	A
Decachlorobiphenyl	47		131		30-150	A
2,4,5,6-Tetrachloro-m-xylene	36		111		30-150	B
Decachlorobiphenyl	50		136		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 487 W. 129TH ST.

Project Number: 10825

Lab Number: L1423865

Report Date: 10/16/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 05-12 Batch: WG731731-2 WG731731-3									
Delta-BHC	83		98		30-150	17		30	A
Lindane	90		107		30-150	17		30	A
Alpha-BHC	79		93		30-150	16		30	A
Beta-BHC	91		107		30-150	16		30	A
Heptachlor	86		101		30-150	16		30	A
Aldrin	86		102		30-150	17		30	A
Heptachlor epoxide	87		102		30-150	16		30	A
Endrin	95		111		30-150	16		30	A
Endrin ketone	69		82		30-150	17		30	A
Dieldrin	93		109		30-150	16		30	A
4,4'-DDE	86		101		30-150	16		30	A
4,4'-DDD	91		106		30-150	15		30	A
4,4'-DDT	84		99		30-150	16		30	A
Endosulfan I	85		100		30-150	16		30	A
Endosulfan II	77		92		30-150	18		30	A
Endosulfan sulfate	76		91		30-150	18		30	A
Methoxychlor	73		86		30-150	16		30	A
cis-Chlordane	82		97		30-150	17		30	A
trans-Chlordane	86		105		30-150	20		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 487 W. 129TH ST.

Project Number: 10825

Lab Number: L1423865

Report Date: 10/16/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 05-12 Batch: WG731731-2 WG731731-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		83		30-150	B
Decachlorobiphenyl	74		82		30-150	B
2,4,5,6-Tetrachloro-m-xylene	72		83		30-150	A
Decachlorobiphenyl	71		80		30-150	A

METALS

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-01 Date Collected: 10/08/14 14:30

Client ID: GW-1 Date Received: 10/09/14

Sample Location: NEW YORK, NY Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	22.1		mg/l	2.00	0.338	200	10/15/14 13:13	10/16/14 17:41	EPA 3005A	1,6020A	BM
Antimony, Total	0.0006	J	mg/l	0.0030	0.0001	1	10/15/14 13:13	10/16/14 16:33	EPA 3005A	1,6020A	BM
Arsenic, Total	0.0132		mg/l	0.0005	0.0001	1	10/15/14 13:13	10/16/14 16:33	EPA 3005A	1,6020A	BM
Barium, Total	0.4718		mg/l	0.0005	0.0001	1	10/15/14 13:13	10/16/14 16:33	EPA 3005A	1,6020A	BM
Beryllium, Total	0.0040		mg/l	0.0005	0.0002	1	10/15/14 13:13	10/16/14 16:33	EPA 3005A	1,6020A	BM
Cadmium, Total	0.0008		mg/l	0.0002	0.0001	1	10/15/14 13:13	10/16/14 16:33	EPA 3005A	1,6020A	BM
Calcium, Total	133		mg/l	2.00	0.640	20	10/15/14 13:13	10/16/14 16:36	EPA 3005A	1,6020A	BM
Chromium, Total	0.1074		mg/l	0.0010	0.0003	1	10/15/14 13:13	10/16/14 16:33	EPA 3005A	1,6020A	BM
Cobalt, Total	0.0427		mg/l	0.0002	0.0001	1	10/15/14 13:13	10/16/14 16:33	EPA 3005A	1,6020A	BM
Copper, Total	0.1209		mg/l	0.0010	0.0003	1	10/15/14 13:13	10/16/14 16:33	EPA 3005A	1,6020A	BM
Iron, Total	46.6		mg/l	0.050	0.012	1	10/15/14 13:13	10/16/14 16:33	EPA 3005A	1,6020A	BM
Lead, Total	0.1299		mg/l	0.0010	0.0001	1	10/15/14 13:13	10/16/14 16:33	EPA 3005A	1,6020A	BM
Magnesium, Total	34.5		mg/l	0.070	0.022	1	10/15/14 13:13	10/16/14 16:33	EPA 3005A	1,6020A	BM
Manganese, Total	3.741		mg/l	0.0100	0.0060	20	10/15/14 13:13	10/16/14 16:36	EPA 3005A	1,6020A	BM
Mercury, Total	0.00009	J	mg/l	0.00020	0.00006	1	10/10/14 14:48	10/14/14 19:40	EPA 7470A	1,7470A	AK
Nickel, Total	0.0952		mg/l	0.0005	0.0001	1	10/15/14 13:13	10/16/14 16:33	EPA 3005A	1,6020A	BM
Potassium, Total	12.6		mg/l	0.100	0.019	1	10/15/14 13:13	10/16/14 16:33	EPA 3005A	1,6020A	BM
Selenium, Total	0.021		mg/l	0.005	0.001	1	10/15/14 13:13	10/16/14 16:33	EPA 3005A	1,6020A	BM
Silver, Total	ND		mg/l	0.0003	0.0001	1	10/15/14 13:13	10/16/14 16:33	EPA 3005A	1,6020A	BM
Sodium, Total	210		mg/l	2.00	0.322	20	10/15/14 13:13	10/16/14 16:36	EPA 3005A	1,6020A	BM
Thallium, Total	0.0003		mg/l	0.0002	0.0001	1	10/15/14 13:13	10/16/14 16:33	EPA 3005A	1,6020A	BM
Vanadium, Total	0.0769		mg/l	0.0050	0.0006	1	10/15/14 13:13	10/16/14 16:33	EPA 3005A	1,6020A	BM
Zinc, Total	0.0947		mg/l	0.0100	0.0026	1	10/15/14 13:13	10/16/14 16:33	EPA 3005A	1,6020A	BM
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.0214		mg/l	0.0100	0.00169	1	10/09/14 18:45	10/16/14 15:24	NA	1,6020A	KL
Antimony, Dissolved	0.00437		mg/l	0.00300	0.00006	1	10/09/14 18:45	10/16/14 15:24	NA	1,6020A	KL
Arsenic, Dissolved	0.00024	J	mg/l	0.00050	0.00012	1	10/09/14 18:45	10/16/14 15:24	NA	1,6020A	KL
Barium, Dissolved	0.07650		mg/l	0.00050	0.00006	1	10/09/14 18:45	10/16/14 15:24	NA	1,6020A	KL
Beryllium, Dissolved	ND		mg/l	0.00050	0.00015	1	10/09/14 18:45	10/16/14 15:24	NA	1,6020A	KL
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	10/09/14 18:45	10/16/14 15:24	NA	1,6020A	KL

Project Name: 487 W. 129TH ST.
Lab Number: L1423865
Project Number: 10825
Report Date: 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-01
Client ID: GW-1
Sample Location: NEW YORK, NY
Matrix: Water
Date Collected: 10/08/14 14:30
Date Received: 10/09/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	116.		mg/l	2.00	0.640	20	10/09/14 18:45	10/16/14 15:21	NA	1,6020A	KL
Chromium, Dissolved	0.00069	J	mg/l	0.00100	0.00025	1	10/09/14 18:45	10/16/14 15:24	NA	1,6020A	KL
Cobalt, Dissolved	0.00067		mg/l	0.00020	0.00006	1	10/09/14 18:45	10/16/14 15:24	NA	1,6020A	KL
Copper, Dissolved	0.00112		mg/l	0.00100	0.00026	1	10/09/14 18:45	10/16/14 15:24	NA	1,6020A	KL
Iron, Dissolved	0.0349	J	mg/l	0.0500	0.0120	1	10/09/14 18:45	10/16/14 15:24	NA	1,6020A	KL
Lead, Dissolved	ND		mg/l	0.00100	0.00012	1	10/09/14 18:45	10/16/14 15:24	NA	1,6020A	KL
Magnesium, Dissolved	23.2		mg/l	0.0700	0.0223	1	10/09/14 18:45	10/16/14 15:24	NA	1,6020A	KL
Manganese, Dissolved	0.06792		mg/l	0.00050	0.00030	1	10/09/14 18:45	10/16/14 15:24	NA	1,6020A	KL
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	10/10/14 14:05	10/14/14 20:00	EPA 7470A	1,7470A	AK
Nickel, Dissolved	0.00337		mg/l	0.00050	0.00008	1	10/09/14 18:45	10/16/14 15:24	NA	1,6020A	KL
Potassium, Dissolved	12.2		mg/l	0.100	0.0193	1	10/09/14 18:45	10/16/14 15:24	NA	1,6020A	KL
Selenium, Dissolved	0.00435	J	mg/l	0.00500	0.00100	1	10/09/14 18:45	10/16/14 15:24	NA	1,6020A	KL
Silver, Dissolved	ND		mg/l	0.00040	0.00007	1	10/09/14 18:45	10/16/14 15:24	NA	1,6020A	KL
Sodium, Dissolved	164.		mg/l	2.00	0.322	20	10/09/14 18:45	10/16/14 15:21	NA	1,6020A	KL
Thallium, Dissolved	ND		mg/l	0.00050	0.00005	1	10/09/14 18:45	10/16/14 15:24	NA	1,6020A	KL
Vanadium, Dissolved	ND		mg/l	0.00500	0.00055	1	10/09/14 18:45	10/16/14 15:24	NA	1,6020A	KL
Zinc, Dissolved	ND		mg/l	0.01000	0.00256	1	10/09/14 18:45	10/16/14 15:24	NA	1,6020A	KL

Project Name: 487 W. 129TH ST.
Lab Number: L1423865
Project Number: 10825
Report Date: 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-02
Client ID: GW-2
Sample Location: NEW YORK, NY
Matrix: Water
Date Collected: 10/07/14 12:30
Date Received: 10/09/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	37.8		mg/l	1.00	0.169	100	10/15/14 13:13	10/16/14 16:46	EPA 3005A	1,6020A	BM
Antimony, Total	0.0006	J	mg/l	0.0030	0.0001	1	10/15/14 13:13	10/16/14 16:39	EPA 3005A	1,6020A	BM
Arsenic, Total	0.0576		mg/l	0.0005	0.0001	1	10/15/14 13:13	10/16/14 16:39	EPA 3005A	1,6020A	BM
Barium, Total	1.179		mg/l	0.0500	0.0063	100	10/15/14 13:13	10/16/14 16:46	EPA 3005A	1,6020A	BM
Beryllium, Total	0.0087		mg/l	0.0005	0.0002	1	10/15/14 13:13	10/16/14 16:39	EPA 3005A	1,6020A	BM
Cadmium, Total	0.0007		mg/l	0.0002	0.0001	1	10/15/14 13:13	10/16/14 16:39	EPA 3005A	1,6020A	BM
Calcium, Total	263		mg/l	10.0	3.20	100	10/15/14 13:13	10/16/14 16:46	EPA 3005A	1,6020A	BM
Chromium, Total	0.0997		mg/l	0.0010	0.0003	1	10/15/14 13:13	10/16/14 16:39	EPA 3005A	1,6020A	BM
Cobalt, Total	0.1193		mg/l	0.0002	0.0001	1	10/15/14 13:13	10/16/14 16:39	EPA 3005A	1,6020A	BM
Copper, Total	0.0910		mg/l	0.0010	0.0003	1	10/15/14 13:13	10/16/14 16:39	EPA 3005A	1,6020A	BM
Iron, Total	427		mg/l	5.00	1.20	100	10/15/14 13:13	10/16/14 16:46	EPA 3005A	1,6020A	BM
Lead, Total	0.2473		mg/l	0.0010	0.0001	1	10/15/14 13:13	10/16/14 16:39	EPA 3005A	1,6020A	BM
Magnesium, Total	28.3		mg/l	0.070	0.022	1	10/15/14 13:13	10/16/14 16:39	EPA 3005A	1,6020A	BM
Manganese, Total	16.77		mg/l	0.0500	0.0302	100	10/15/14 13:13	10/16/14 16:46	EPA 3005A	1,6020A	BM
Mercury, Total	0.00033		mg/l	0.00020	0.00006	1	10/10/14 14:48	10/14/14 19:43	EPA 7470A	1,7470A	AK
Nickel, Total	0.1035		mg/l	0.0005	0.0001	1	10/15/14 13:13	10/16/14 16:39	EPA 3005A	1,6020A	BM
Potassium, Total	33.3		mg/l	0.100	0.019	1	10/15/14 13:13	10/16/14 16:39	EPA 3005A	1,6020A	BM
Selenium, Total	0.089		mg/l	0.005	0.001	1	10/15/14 13:13	10/16/14 16:39	EPA 3005A	1,6020A	BM
Silver, Total	0.0001	J	mg/l	0.0003	0.0001	1	10/15/14 13:13	10/16/14 16:39	EPA 3005A	1,6020A	BM
Sodium, Total	17.6		mg/l	0.100	0.016	1	10/15/14 13:13	10/16/14 16:39	EPA 3005A	1,6020A	BM
Thallium, Total	0.0002		mg/l	0.0002	0.0001	1	10/15/14 13:13	10/16/14 16:39	EPA 3005A	1,6020A	BM
Vanadium, Total	0.1358		mg/l	0.0050	0.0006	1	10/15/14 13:13	10/16/14 16:39	EPA 3005A	1,6020A	BM
Zinc, Total	0.3571		mg/l	0.0100	0.0026	1	10/15/14 13:13	10/16/14 16:39	EPA 3005A	1,6020A	BM
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.0211		mg/l	0.0100	0.00169	1	10/09/14 18:45	10/16/14 16:04	NA	1,6020A	KL
Antimony, Dissolved	0.00241	J	mg/l	0.00300	0.00006	1	10/09/14 18:45	10/16/14 16:04	NA	1,6020A	KL
Arsenic, Dissolved	0.00298		mg/l	0.00050	0.00012	1	10/09/14 18:45	10/16/14 16:04	NA	1,6020A	KL
Barium, Dissolved	0.06508		mg/l	0.00050	0.00006	1	10/09/14 18:45	10/16/14 16:04	NA	1,6020A	KL
Beryllium, Dissolved	ND		mg/l	0.00050	0.00015	1	10/09/14 18:45	10/16/14 16:04	NA	1,6020A	KL
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	10/09/14 18:45	10/16/14 16:04	NA	1,6020A	KL

Project Name: 487 W. 129TH ST.
Lab Number: L1423865
Project Number: 10825
Report Date: 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-02
Client ID: GW-2
Sample Location: NEW YORK, NY
Matrix: Water

Date Collected: 10/07/14 12:30
Date Received: 10/09/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	133.		mg/l	2.00	0.640	20	10/09/14 18:45	10/16/14 16:01	NA	1,6020A	KL
Chromium, Dissolved	0.00070	J	mg/l	0.00100	0.00025	1	10/09/14 18:45	10/16/14 16:04	NA	1,6020A	KL
Cobalt, Dissolved	0.00157		mg/l	0.00020	0.00006	1	10/09/14 18:45	10/16/14 16:04	NA	1,6020A	KL
Copper, Dissolved	0.00128		mg/l	0.00100	0.00026	1	10/09/14 18:45	10/16/14 16:04	NA	1,6020A	KL
Iron, Dissolved	0.198		mg/l	0.0500	0.0120	1	10/09/14 18:45	10/16/14 16:04	NA	1,6020A	KL
Lead, Dissolved	0.00161		mg/l	0.00100	0.00012	1	10/09/14 18:45	10/16/14 16:04	NA	1,6020A	KL
Magnesium, Dissolved	10.8		mg/l	0.0700	0.0223	1	10/09/14 18:45	10/16/14 16:04	NA	1,6020A	KL
Manganese, Dissolved	1.115		mg/l	0.01000	0.00604	20	10/09/14 18:45	10/16/14 16:01	NA	1,6020A	KL
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	10/10/14 14:05	10/14/14 20:07	EPA 7470A	1,7470A	AK
Nickel, Dissolved	0.00154		mg/l	0.00050	0.00008	1	10/09/14 18:45	10/16/14 16:04	NA	1,6020A	KL
Potassium, Dissolved	20.6		mg/l	0.100	0.0193	1	10/09/14 18:45	10/16/14 16:04	NA	1,6020A	KL
Selenium, Dissolved	ND		mg/l	0.00500	0.00100	1	10/09/14 18:45	10/16/14 16:04	NA	1,6020A	KL
Silver, Dissolved	0.00018	J	mg/l	0.00040	0.00007	1	10/09/14 18:45	10/16/14 16:04	NA	1,6020A	KL
Sodium, Dissolved	13.2		mg/l	0.100	0.0161	1	10/09/14 18:45	10/16/14 16:04	NA	1,6020A	KL
Thallium, Dissolved	ND		mg/l	0.00050	0.00005	1	10/09/14 18:45	10/16/14 16:04	NA	1,6020A	KL
Vanadium, Dissolved	ND		mg/l	0.00500	0.00055	1	10/09/14 18:45	10/16/14 16:04	NA	1,6020A	KL
Zinc, Dissolved	ND		mg/l	0.01000	0.00256	1	10/09/14 18:45	10/16/14 16:04	NA	1,6020A	KL

Project Name: 487 W. 129TH ST.
Lab Number: L1423865
Project Number: 10825
Report Date: 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-03
Client ID: GW-3
Sample Location: NEW YORK, NY
Matrix: Water
Date Collected: 10/08/14 10:00
Date Received: 10/09/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	20.3		mg/l	1.00	0.169	100	10/15/14 13:13	10/16/14 16:54	EPA 3005A	1,6020A	BM
Antimony, Total	0.0002	J	mg/l	0.0030	0.0001	1	10/15/14 13:13	10/16/14 16:49	EPA 3005A	1,6020A	BM
Arsenic, Total	0.0221		mg/l	0.0005	0.0001	1	10/15/14 13:13	10/16/14 16:49	EPA 3005A	1,6020A	BM
Barium, Total	0.4297		mg/l	0.0005	0.0001	1	10/15/14 13:13	10/16/14 16:49	EPA 3005A	1,6020A	BM
Beryllium, Total	0.0065		mg/l	0.0005	0.0002	1	10/15/14 13:13	10/16/14 16:49	EPA 3005A	1,6020A	BM
Cadmium, Total	0.0016		mg/l	0.0002	0.0001	1	10/15/14 13:13	10/16/14 16:49	EPA 3005A	1,6020A	BM
Calcium, Total	206		mg/l	10.0	3.20	100	10/15/14 13:13	10/16/14 16:54	EPA 3005A	1,6020A	BM
Chromium, Total	0.1131		mg/l	0.0010	0.0003	1	10/15/14 13:13	10/16/14 16:49	EPA 3005A	1,6020A	BM
Cobalt, Total	0.0258		mg/l	0.0002	0.0001	1	10/15/14 13:13	10/16/14 16:49	EPA 3005A	1,6020A	BM
Copper, Total	0.0925		mg/l	0.0010	0.0003	1	10/15/14 13:13	10/16/14 16:49	EPA 3005A	1,6020A	BM
Iron, Total	79.2		mg/l	5.00	1.20	100	10/15/14 13:13	10/16/14 16:54	EPA 3005A	1,6020A	BM
Lead, Total	0.0333		mg/l	0.0010	0.0001	1	10/15/14 13:13	10/16/14 16:49	EPA 3005A	1,6020A	BM
Magnesium, Total	64.0		mg/l	7.00	2.23	100	10/15/14 13:13	10/16/14 16:54	EPA 3005A	1,6020A	BM
Manganese, Total	5.939		mg/l	0.0500	0.0302	100	10/15/14 13:13	10/16/14 16:54	EPA 3005A	1,6020A	BM
Mercury, Total	0.00007	J	mg/l	0.00020	0.00006	1	10/10/14 14:48	10/14/14 19:45	EPA 7470A	1,7470A	AK
Nickel, Total	0.2006		mg/l	0.0005	0.0001	1	10/15/14 13:13	10/16/14 16:49	EPA 3005A	1,6020A	BM
Potassium, Total	20.8		mg/l	10.0	1.93	100	10/15/14 13:13	10/16/14 16:54	EPA 3005A	1,6020A	BM
Selenium, Total	0.028		mg/l	0.005	0.001	1	10/15/14 13:13	10/16/14 16:49	EPA 3005A	1,6020A	BM
Silver, Total	ND		mg/l	0.0003	0.0001	1	10/15/14 13:13	10/16/14 16:49	EPA 3005A	1,6020A	BM
Sodium, Total	321		mg/l	10.0	1.61	100	10/15/14 13:13	10/16/14 16:54	EPA 3005A	1,6020A	BM
Thallium, Total	0.0001	J	mg/l	0.0002	0.0001	1	10/15/14 13:13	10/16/14 16:49	EPA 3005A	1,6020A	BM
Vanadium, Total	0.0748		mg/l	0.0050	0.0006	1	10/15/14 13:13	10/16/14 16:49	EPA 3005A	1,6020A	BM
Zinc, Total	0.1632		mg/l	0.0100	0.0026	1	10/15/14 13:13	10/16/14 16:49	EPA 3005A	1,6020A	BM
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.00269	J	mg/l	0.0100	0.00169	1	10/09/14 18:45	10/16/14 16:11	NA	1,6020A	KL
Antimony, Dissolved	0.00147	J	mg/l	0.00300	0.00006	1	10/09/14 18:45	10/16/14 16:11	NA	1,6020A	KL
Arsenic, Dissolved	0.00015	J	mg/l	0.00050	0.00012	1	10/09/14 18:45	10/16/14 16:11	NA	1,6020A	KL
Barium, Dissolved	0.05803		mg/l	0.00050	0.00006	1	10/09/14 18:45	10/16/14 16:11	NA	1,6020A	KL
Beryllium, Dissolved	ND		mg/l	0.00050	0.00015	1	10/09/14 18:45	10/16/14 16:11	NA	1,6020A	KL
Cadmium, Dissolved	0.00017	J	mg/l	0.00020	0.00005	1	10/09/14 18:45	10/16/14 16:11	NA	1,6020A	KL

Project Name: 487 W. 129TH ST.
Lab Number: L1423865
Project Number: 10825
Report Date: 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-03
Client ID: GW-3
Sample Location: NEW YORK, NY
Matrix: Water
Date Collected: 10/08/14 10:00
Date Received: 10/09/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	186.		mg/l	2.00	0.640	20	10/09/14 18:45	10/16/14 16:08	NA	1,6020A	KL
Chromium, Dissolved	0.00084	J	mg/l	0.00100	0.00025	1	10/09/14 18:45	10/16/14 16:11	NA	1,6020A	KL
Cobalt, Dissolved	0.00097		mg/l	0.00020	0.00006	1	10/09/14 18:45	10/16/14 16:11	NA	1,6020A	KL
Copper, Dissolved	0.00062	J	mg/l	0.00100	0.00026	1	10/09/14 18:45	10/16/14 16:11	NA	1,6020A	KL
Iron, Dissolved	0.0424	J	mg/l	0.0500	0.0120	1	10/09/14 18:45	10/16/14 16:11	NA	1,6020A	KL
Lead, Dissolved	ND		mg/l	0.00100	0.00012	1	10/09/14 18:45	10/16/14 16:11	NA	1,6020A	KL
Magnesium, Dissolved	28.0		mg/l	1.40	0.446	20	10/09/14 18:45	10/16/14 16:08	NA	1,6020A	KL
Manganese, Dissolved	0.2095		mg/l	0.00050	0.00030	1	10/09/14 18:45	10/16/14 16:11	NA	1,6020A	KL
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	10/10/14 14:05	10/14/14 20:09	EPA 7470A	1,7470A	AK
Nickel, Dissolved	0.00948		mg/l	0.00050	0.00008	1	10/09/14 18:45	10/16/14 16:11	NA	1,6020A	KL
Potassium, Dissolved	16.8		mg/l	0.100	0.0193	1	10/09/14 18:45	10/16/14 16:11	NA	1,6020A	KL
Selenium, Dissolved	0.00458	J	mg/l	0.00500	0.00100	1	10/09/14 18:45	10/16/14 16:11	NA	1,6020A	KL
Silver, Dissolved	ND		mg/l	0.00040	0.00007	1	10/09/14 18:45	10/16/14 16:11	NA	1,6020A	KL
Sodium, Dissolved	318.		mg/l	2.00	0.322	20	10/09/14 18:45	10/16/14 16:08	NA	1,6020A	KL
Thallium, Dissolved	ND		mg/l	0.00050	0.00005	1	10/09/14 18:45	10/16/14 16:11	NA	1,6020A	KL
Vanadium, Dissolved	ND		mg/l	0.00500	0.00055	1	10/09/14 18:45	10/16/14 16:11	NA	1,6020A	KL
Zinc, Dissolved	0.00290	J	mg/l	0.01000	0.00256	1	10/09/14 18:45	10/16/14 16:11	NA	1,6020A	KL

Project Name: 487 W. 129TH ST.
Lab Number: L1423865
Project Number: 10825
Report Date: 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-04
Client ID: GW-4
Sample Location: NEW YORK, NY
Matrix: Water
Date Collected: 10/08/14 09:45
Date Received: 10/09/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	48.4		mg/l	1.00	0.169	100	10/15/14 13:13	10/16/14 17:09	EPA 3005A	1,6020A	BM
Antimony, Total	0.0004	J	mg/l	0.0030	0.0001	1	10/15/14 13:13	10/16/14 17:05	EPA 3005A	1,6020A	BM
Arsenic, Total	0.0298		mg/l	0.0005	0.0001	1	10/15/14 13:13	10/16/14 17:05	EPA 3005A	1,6020A	BM
Barium, Total	1.549		mg/l	0.0500	0.0063	100	10/15/14 13:13	10/16/14 17:09	EPA 3005A	1,6020A	BM
Beryllium, Total	0.0198		mg/l	0.0005	0.0002	1	10/15/14 13:13	10/16/14 17:05	EPA 3005A	1,6020A	BM
Cadmium, Total	0.0151		mg/l	0.0002	0.0001	1	10/15/14 13:13	10/16/14 17:05	EPA 3005A	1,6020A	BM
Calcium, Total	171		mg/l	10.0	3.20	100	10/15/14 13:13	10/16/14 17:09	EPA 3005A	1,6020A	BM
Chromium, Total	0.1808		mg/l	0.0010	0.0003	1	10/15/14 13:13	10/16/14 17:05	EPA 3005A	1,6020A	BM
Cobalt, Total	0.0964		mg/l	0.0002	0.0001	1	10/15/14 13:13	10/16/14 17:05	EPA 3005A	1,6020A	BM
Copper, Total	0.5336		mg/l	0.1000	0.0262	100	10/15/14 13:13	10/16/14 17:09	EPA 3005A	1,6020A	BM
Iron, Total	119		mg/l	5.00	1.20	100	10/15/14 13:13	10/16/14 17:09	EPA 3005A	1,6020A	BM
Lead, Total	0.0293		mg/l	0.0010	0.0001	1	10/15/14 13:13	10/16/14 17:05	EPA 3005A	1,6020A	BM
Magnesium, Total	53.0		mg/l	7.00	2.23	100	10/15/14 13:13	10/16/14 17:09	EPA 3005A	1,6020A	BM
Manganese, Total	28.26		mg/l	0.0500	0.0302	100	10/15/14 13:13	10/16/14 17:09	EPA 3005A	1,6020A	BM
Mercury, Total	0.00010	J	mg/l	0.00020	0.00006	1	10/10/14 14:48	10/14/14 19:52	EPA 7470A	1,7470A	AK
Nickel, Total	0.7310		mg/l	0.0500	0.0087	100	10/15/14 13:13	10/16/14 17:09	EPA 3005A	1,6020A	BM
Potassium, Total	17.1		mg/l	0.100	0.019	1	10/15/14 13:13	10/16/14 17:05	EPA 3005A	1,6020A	BM
Selenium, Total	0.064		mg/l	0.005	0.001	1	10/15/14 13:13	10/16/14 17:05	EPA 3005A	1,6020A	BM
Silver, Total	0.0003		mg/l	0.0003	0.0001	1	10/15/14 13:13	10/16/14 17:05	EPA 3005A	1,6020A	BM
Sodium, Total	150		mg/l	10.0	1.61	100	10/15/14 13:13	10/16/14 17:09	EPA 3005A	1,6020A	BM
Thallium, Total	0.0003		mg/l	0.0002	0.0001	1	10/15/14 13:13	10/16/14 17:05	EPA 3005A	1,6020A	BM
Vanadium, Total	0.0688		mg/l	0.0050	0.0006	1	10/15/14 13:13	10/16/14 17:05	EPA 3005A	1,6020A	BM
Zinc, Total	0.7511		mg/l	0.2000	0.0512	20	10/15/14 13:13	10/16/14 17:38	EPA 3005A	1,6020A	BM
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.189		mg/l	0.0100	0.00169	1	10/09/14 18:45	10/16/14 16:18	NA	1,6020A	KL
Antimony, Dissolved	0.00106	J	mg/l	0.00300	0.00006	1	10/09/14 18:45	10/16/14 16:18	NA	1,6020A	KL
Arsenic, Dissolved	0.00034	J	mg/l	0.00050	0.00012	1	10/09/14 18:45	10/16/14 16:18	NA	1,6020A	KL
Barium, Dissolved	0.02942		mg/l	0.00050	0.00006	1	10/09/14 18:45	10/16/14 16:18	NA	1,6020A	KL
Beryllium, Dissolved	ND		mg/l	0.00050	0.00015	1	10/09/14 18:45	10/16/14 16:18	NA	1,6020A	KL
Cadmium, Dissolved	0.00028		mg/l	0.00020	0.00005	1	10/09/14 18:45	10/16/14 16:18	NA	1,6020A	KL

Project Name: 487 W. 129TH ST.
Lab Number: L1423865
Project Number: 10825
Report Date: 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-04
Client ID: GW-4
Sample Location: NEW YORK, NY
Matrix: Water
Date Collected: 10/08/14 09:45
Date Received: 10/09/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	124.		mg/l	2.00	0.640	20	10/09/14 18:45	10/16/14 16:15	NA	1,6020A	KL
Chromium, Dissolved	0.00175		mg/l	0.00100	0.00025	1	10/09/14 18:45	10/16/14 16:18	NA	1,6020A	KL
Cobalt, Dissolved	0.00150		mg/l	0.00020	0.00006	1	10/09/14 18:45	10/16/14 16:18	NA	1,6020A	KL
Copper, Dissolved	0.00232		mg/l	0.00100	0.00026	1	10/09/14 18:45	10/16/14 16:18	NA	1,6020A	KL
Iron, Dissolved	0.891		mg/l	0.0500	0.0120	1	10/09/14 18:45	10/16/14 16:18	NA	1,6020A	KL
Lead, Dissolved	0.00026	J	mg/l	0.00100	0.00012	1	10/09/14 18:45	10/16/14 16:18	NA	1,6020A	KL
Magnesium, Dissolved	33.6		mg/l	0.0700	0.0223	1	10/09/14 18:45	10/16/14 16:18	NA	1,6020A	KL
Manganese, Dissolved	0.5512		mg/l	0.01000	0.00604	20	10/09/14 18:45	10/16/14 16:15	NA	1,6020A	KL
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	10/10/14 14:05	10/14/14 20:11	EPA 7470A	1,7470A	AK
Nickel, Dissolved	0.01151		mg/l	0.00050	0.00008	1	10/09/14 18:45	10/16/14 16:18	NA	1,6020A	KL
Potassium, Dissolved	13.2		mg/l	0.100	0.0193	1	10/09/14 18:45	10/16/14 16:18	NA	1,6020A	KL
Selenium, Dissolved	0.00104	J	mg/l	0.00500	0.00100	1	10/09/14 18:45	10/16/14 16:18	NA	1,6020A	KL
Silver, Dissolved	ND		mg/l	0.00040	0.00007	1	10/09/14 18:45	10/16/14 16:18	NA	1,6020A	KL
Sodium, Dissolved	164.		mg/l	2.00	0.322	20	10/09/14 18:45	10/16/14 16:15	NA	1,6020A	KL
Thallium, Dissolved	ND		mg/l	0.00050	0.00005	1	10/09/14 18:45	10/16/14 16:18	NA	1,6020A	KL
Vanadium, Dissolved	0.00086	J	mg/l	0.00500	0.00055	1	10/09/14 18:45	10/16/14 16:18	NA	1,6020A	KL
Zinc, Dissolved	0.00287	J	mg/l	0.01000	0.00256	1	10/09/14 18:45	10/16/14 16:18	NA	1,6020A	KL

Project Name: 487 W. 129TH ST.
Lab Number: L1423865
Project Number: 10825
Report Date: 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-05
Client ID: WC-1-8'-10'
Sample Location: NEW YORK, NY
Matrix: Soil
Percent Solids: 86%

Date Collected: 10/08/14 13:45
Date Received: 10/09/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	9100		mg/kg	8.9	1.8	2	10/10/14 22:04	10/15/14 14:39	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	4.4	0.71	2	10/10/14 22:04	10/15/14 14:39	EPA 3050B	1,6010C	JH
Arsenic, Total	2.4		mg/kg	0.89	0.18	2	10/10/14 22:04	10/15/14 14:39	EPA 3050B	1,6010C	JH
Barium, Total	25		mg/kg	0.89	0.27	2	10/10/14 22:04	10/15/14 14:39	EPA 3050B	1,6010C	JH
Beryllium, Total	0.34	J	mg/kg	0.44	0.09	2	10/10/14 22:04	10/15/14 14:39	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.89	0.06	2	10/10/14 22:04	10/15/14 14:39	EPA 3050B	1,6010C	JH
Calcium, Total	550		mg/kg	8.9	2.7	2	10/10/14 22:04	10/15/14 14:39	EPA 3050B	1,6010C	JH
Chromium, Total	12		mg/kg	0.89	0.18	2	10/10/14 22:04	10/15/14 14:39	EPA 3050B	1,6010C	JH
Cobalt, Total	6.8		mg/kg	1.8	0.44	2	10/10/14 22:04	10/15/14 14:39	EPA 3050B	1,6010C	JH
Copper, Total	13		mg/kg	0.89	0.18	2	10/10/14 22:04	10/15/14 14:39	EPA 3050B	1,6010C	JH
Iron, Total	19000		mg/kg	4.4	1.8	2	10/10/14 22:04	10/15/14 14:39	EPA 3050B	1,6010C	JH
Lead, Total	7.2		mg/kg	4.4	0.18	2	10/10/14 22:04	10/15/14 14:39	EPA 3050B	1,6010C	JH
Magnesium, Total	3300		mg/kg	8.9	0.89	2	10/10/14 22:04	10/15/14 14:39	EPA 3050B	1,6010C	JH
Manganese, Total	280		mg/kg	0.89	0.18	2	10/10/14 22:04	10/15/14 14:39	EPA 3050B	1,6010C	JH
Mercury, Total	ND		mg/kg	0.08	0.02	1	10/11/14 11:04	10/13/14 12:43	EPA 7471B	1,7471B	MC
Nickel, Total	14		mg/kg	2.2	0.36	2	10/10/14 22:04	10/15/14 14:39	EPA 3050B	1,6010C	JH
Potassium, Total	420		mg/kg	220	36.	2	10/10/14 22:04	10/15/14 14:39	EPA 3050B	1,6010C	JH
Selenium, Total	0.47	J	mg/kg	1.8	0.27	2	10/10/14 22:04	10/15/14 14:39	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.89	0.18	2	10/10/14 22:04	10/15/14 14:39	EPA 3050B	1,6010C	JH
Sodium, Total	38	J	mg/kg	180	27.	2	10/10/14 22:04	10/15/14 14:39	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.8	0.36	2	10/10/14 22:04	10/15/14 14:39	EPA 3050B	1,6010C	JH
Vanadium, Total	13		mg/kg	0.89	0.09	2	10/10/14 22:04	10/15/14 14:39	EPA 3050B	1,6010C	JH
Zinc, Total	43		mg/kg	4.4	0.62	2	10/10/14 22:04	10/15/14 14:39	EPA 3050B	1,6010C	JH

Project Name: 487 W. 129TH ST.
Lab Number: L1423865
Project Number: 10825
Report Date: 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-06
Client ID: WC-1-12'-14'
Sample Location: NEW YORK, NY
Matrix: Soil
Percent Solids: 78%

Date Collected: 10/08/14 14:15
Date Received: 10/09/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6500		mg/kg	10	2.0	2	10/10/14 22:04	10/15/14 15:14	EPA 3050B	1,6010C	JH
Antimony, Total	2.2	J	mg/kg	5.1	0.81	2	10/10/14 22:04	10/15/14 15:14	EPA 3050B	1,6010C	JH
Arsenic, Total	5.0		mg/kg	1.0	0.20	2	10/10/14 22:04	10/15/14 18:56	EPA 3050B	1,6010C	TT
Barium, Total	20		mg/kg	1.0	0.30	2	10/10/14 22:04	10/15/14 15:14	EPA 3050B	1,6010C	JH
Beryllium, Total	0.25	J	mg/kg	0.51	0.10	2	10/10/14 22:04	10/15/14 15:14	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	1.0	0.07	2	10/10/14 22:04	10/15/14 15:14	EPA 3050B	1,6010C	JH
Calcium, Total	700		mg/kg	10	3.0	2	10/10/14 22:04	10/15/14 15:14	EPA 3050B	1,6010C	JH
Chromium, Total	10		mg/kg	1.0	0.20	2	10/10/14 22:04	10/15/14 15:14	EPA 3050B	1,6010C	JH
Cobalt, Total	5.1		mg/kg	2.0	0.51	2	10/10/14 22:04	10/15/14 15:14	EPA 3050B	1,6010C	JH
Copper, Total	11		mg/kg	1.0	0.20	2	10/10/14 22:04	10/15/14 15:14	EPA 3050B	1,6010C	JH
Iron, Total	14000		mg/kg	5.1	2.0	2	10/10/14 22:04	10/15/14 15:14	EPA 3050B	1,6010C	JH
Lead, Total	4.4	J	mg/kg	5.1	0.20	2	10/10/14 22:04	10/15/14 15:14	EPA 3050B	1,6010C	JH
Magnesium, Total	2400		mg/kg	10	1.0	2	10/10/14 22:04	10/15/14 15:14	EPA 3050B	1,6010C	JH
Manganese, Total	180		mg/kg	1.0	0.20	2	10/10/14 22:04	10/15/14 15:14	EPA 3050B	1,6010C	JH
Mercury, Total	ND		mg/kg	0.08	0.02	1	10/11/14 11:04	10/13/14 12:44	EPA 7471B	1,7471B	MC
Nickel, Total	14		mg/kg	2.5	0.40	2	10/10/14 22:04	10/15/14 15:14	EPA 3050B	1,6010C	JH
Potassium, Total	380		mg/kg	250	40.	2	10/10/14 22:04	10/15/14 15:14	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	2.0	0.30	2	10/10/14 22:04	10/15/14 15:14	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	1.0	0.20	2	10/10/14 22:04	10/15/14 15:14	EPA 3050B	1,6010C	JH
Sodium, Total	47	J	mg/kg	200	30.	2	10/10/14 22:04	10/15/14 15:14	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	2.0	0.40	2	10/10/14 22:04	10/15/14 15:14	EPA 3050B	1,6010C	JH
Vanadium, Total	12		mg/kg	1.0	0.10	2	10/10/14 22:04	10/15/14 15:14	EPA 3050B	1,6010C	JH
Zinc, Total	29		mg/kg	5.1	0.71	2	10/10/14 22:04	10/15/14 15:14	EPA 3050B	1,6010C	JH

Project Name: 487 W. 129TH ST.
Lab Number: L1423865
Project Number: 10825
Report Date: 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-07
Client ID: WC-2-3'-5'
Sample Location: NEW YORK, NY
Matrix: Soil
Percent Solids: 80%

Date Collected: 10/07/14 12:15
Date Received: 10/09/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	7500		mg/kg	9.9	2.0	2	10/10/14 22:04	10/15/14 15:17	EPA 3050B	1,6010C	JH
Antimony, Total	8.6		mg/kg	4.9	0.79	2	10/10/14 22:04	10/15/14 15:17	EPA 3050B	1,6010C	JH
Arsenic, Total	8.8		mg/kg	0.99	0.20	2	10/10/14 22:04	10/15/14 15:17	EPA 3050B	1,6010C	JH
Barium, Total	120		mg/kg	0.99	0.30	2	10/10/14 22:04	10/15/14 15:17	EPA 3050B	1,6010C	JH
Beryllium, Total	0.34	J	mg/kg	0.49	0.10	2	10/10/14 22:04	10/15/14 15:17	EPA 3050B	1,6010C	JH
Cadmium, Total	0.57	J	mg/kg	0.99	0.07	2	10/10/14 22:04	10/15/14 15:17	EPA 3050B	1,6010C	JH
Calcium, Total	19000		mg/kg	9.9	3.0	2	10/10/14 22:04	10/15/14 15:17	EPA 3050B	1,6010C	JH
Chromium, Total	19		mg/kg	0.99	0.20	2	10/10/14 22:04	10/15/14 15:17	EPA 3050B	1,6010C	JH
Cobalt, Total	9.6		mg/kg	2.0	0.49	2	10/10/14 22:04	10/15/14 15:17	EPA 3050B	1,6010C	JH
Copper, Total	120		mg/kg	0.99	0.20	2	10/10/14 22:04	10/15/14 15:17	EPA 3050B	1,6010C	JH
Iron, Total	54000		mg/kg	4.9	2.0	2	10/10/14 22:04	10/15/14 15:17	EPA 3050B	1,6010C	JH
Lead, Total	460		mg/kg	4.9	0.20	2	10/10/14 22:04	10/15/14 15:17	EPA 3050B	1,6010C	JH
Magnesium, Total	3500		mg/kg	9.9	0.99	2	10/10/14 22:04	10/15/14 15:17	EPA 3050B	1,6010C	JH
Manganese, Total	360		mg/kg	0.99	0.20	2	10/10/14 22:04	10/15/14 15:17	EPA 3050B	1,6010C	JH
Mercury, Total	0.72		mg/kg	0.08	0.02	1	10/11/14 11:04	10/13/14 12:46	EPA 7471B	1,7471B	MC
Nickel, Total	18		mg/kg	2.5	0.40	2	10/10/14 22:04	10/15/14 15:17	EPA 3050B	1,6010C	JH
Potassium, Total	860		mg/kg	250	40.	2	10/10/14 22:04	10/15/14 15:17	EPA 3050B	1,6010C	JH
Selenium, Total	1.0	J	mg/kg	2.0	0.30	2	10/10/14 22:04	10/15/14 15:17	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.99	0.20	2	10/10/14 22:04	10/15/14 15:17	EPA 3050B	1,6010C	JH
Sodium, Total	260		mg/kg	200	30.	2	10/10/14 22:04	10/15/14 15:17	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	2.0	0.40	2	10/10/14 22:04	10/15/14 15:17	EPA 3050B	1,6010C	JH
Vanadium, Total	23		mg/kg	0.99	0.10	2	10/10/14 22:04	10/15/14 15:17	EPA 3050B	1,6010C	JH
Zinc, Total	360		mg/kg	4.9	0.69	2	10/10/14 22:04	10/15/14 15:17	EPA 3050B	1,6010C	JH

Project Name: 487 W. 129TH ST.
Lab Number: L1423865
Project Number: 10825
Report Date: 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-08
Client ID: WC-2-12'-14'
Sample Location: NEW YORK, NY
Matrix: Soil
Percent Solids: 80%

Date Collected: 10/07/14 12:15
Date Received: 10/09/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	7600		mg/kg	9.6	1.9	2	10/10/14 22:04	10/15/14 15:21	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	4.8	0.77	2	10/10/14 22:04	10/15/14 15:21	EPA 3050B	1,6010C	JH
Arsenic, Total	1.3		mg/kg	0.96	0.19	2	10/10/14 22:04	10/15/14 15:21	EPA 3050B	1,6010C	JH
Barium, Total	44		mg/kg	0.96	0.29	2	10/10/14 22:04	10/15/14 15:21	EPA 3050B	1,6010C	JH
Beryllium, Total	0.31	J	mg/kg	0.48	0.10	2	10/10/14 22:04	10/15/14 15:21	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.96	0.07	2	10/10/14 22:04	10/15/14 15:21	EPA 3050B	1,6010C	JH
Calcium, Total	14000		mg/kg	9.6	2.9	2	10/10/14 22:04	10/15/14 15:21	EPA 3050B	1,6010C	JH
Chromium, Total	12		mg/kg	0.96	0.19	2	10/10/14 22:04	10/15/14 15:21	EPA 3050B	1,6010C	JH
Cobalt, Total	6.6		mg/kg	1.9	0.48	2	10/10/14 22:04	10/15/14 15:21	EPA 3050B	1,6010C	JH
Copper, Total	14		mg/kg	0.96	0.19	2	10/10/14 22:04	10/15/14 15:21	EPA 3050B	1,6010C	JH
Iron, Total	18000		mg/kg	4.8	1.9	2	10/10/14 22:04	10/15/14 15:21	EPA 3050B	1,6010C	JH
Lead, Total	53		mg/kg	4.8	0.19	2	10/10/14 22:04	10/15/14 15:21	EPA 3050B	1,6010C	JH
Magnesium, Total	3100		mg/kg	9.6	0.96	2	10/10/14 22:04	10/15/14 15:21	EPA 3050B	1,6010C	JH
Manganese, Total	270		mg/kg	0.96	0.19	2	10/10/14 22:04	10/15/14 15:21	EPA 3050B	1,6010C	JH
Mercury, Total	0.07	J	mg/kg	0.08	0.02	1	10/11/14 11:04	10/13/14 12:48	EPA 7471B	1,7471B	MC
Nickel, Total	14		mg/kg	2.4	0.38	2	10/10/14 22:04	10/15/14 15:21	EPA 3050B	1,6010C	JH
Potassium, Total	560		mg/kg	240	38.	2	10/10/14 22:04	10/15/14 15:21	EPA 3050B	1,6010C	JH
Selenium, Total	0.42	J	mg/kg	1.9	0.29	2	10/10/14 22:04	10/15/14 15:21	EPA 3050B	1,6010C	JH
Silver, Total	0.23	J	mg/kg	0.96	0.19	2	10/10/14 22:04	10/15/14 15:21	EPA 3050B	1,6010C	JH
Sodium, Total	77	J	mg/kg	190	29.	2	10/10/14 22:04	10/15/14 15:21	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.9	0.38	2	10/10/14 22:04	10/15/14 15:21	EPA 3050B	1,6010C	JH
Vanadium, Total	15		mg/kg	0.96	0.10	2	10/10/14 22:04	10/15/14 15:21	EPA 3050B	1,6010C	JH
Zinc, Total	72		mg/kg	4.8	0.67	2	10/10/14 22:04	10/15/14 15:21	EPA 3050B	1,6010C	JH

Project Name: 487 W. 129TH ST.
Lab Number: L1423865
Project Number: 10825
Report Date: 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-09
Client ID: WC-3 3'-5'
Sample Location: NEW YORK, NY
Matrix: Soil
Percent Solids: 87%

Date Collected: 10/07/14 15:30
Date Received: 10/09/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	9400		mg/kg	8.8	1.8	2	10/10/14 22:04	10/15/14 15:25	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	4.4	0.70	2	10/10/14 22:04	10/15/14 15:25	EPA 3050B	1,6010C	JH
Arsenic, Total	2.9		mg/kg	0.88	0.18	2	10/10/14 22:04	10/15/14 15:25	EPA 3050B	1,6010C	JH
Barium, Total	80		mg/kg	0.88	0.26	2	10/10/14 22:04	10/15/14 15:25	EPA 3050B	1,6010C	JH
Beryllium, Total	0.34	J	mg/kg	0.44	0.09	2	10/10/14 22:04	10/15/14 15:25	EPA 3050B	1,6010C	JH
Cadmium, Total	1.1		mg/kg	0.88	0.06	2	10/10/14 22:04	10/15/14 15:25	EPA 3050B	1,6010C	JH
Calcium, Total	6800		mg/kg	8.8	2.6	2	10/10/14 22:04	10/15/14 15:25	EPA 3050B	1,6010C	JH
Chromium, Total	14		mg/kg	0.88	0.18	2	10/10/14 22:04	10/15/14 15:25	EPA 3050B	1,6010C	JH
Cobalt, Total	6.7		mg/kg	1.8	0.44	2	10/10/14 22:04	10/15/14 15:25	EPA 3050B	1,6010C	JH
Copper, Total	29		mg/kg	0.88	0.18	2	10/10/14 22:04	10/15/14 15:25	EPA 3050B	1,6010C	JH
Iron, Total	20000		mg/kg	4.4	1.8	2	10/10/14 22:04	10/15/14 15:25	EPA 3050B	1,6010C	JH
Lead, Total	150		mg/kg	4.4	0.18	2	10/10/14 22:04	10/15/14 15:25	EPA 3050B	1,6010C	JH
Magnesium, Total	3200		mg/kg	8.8	0.88	2	10/10/14 22:04	10/15/14 15:25	EPA 3050B	1,6010C	JH
Manganese, Total	340		mg/kg	0.88	0.18	2	10/10/14 22:04	10/15/14 15:25	EPA 3050B	1,6010C	JH
Mercury, Total	0.23		mg/kg	0.07	0.02	1	10/11/14 11:04	10/13/14 12:50	EPA 7471B	1,7471B	MC
Nickel, Total	14		mg/kg	2.2	0.35	2	10/10/14 22:04	10/15/14 15:25	EPA 3050B	1,6010C	JH
Potassium, Total	880		mg/kg	220	35.	2	10/10/14 22:04	10/15/14 15:25	EPA 3050B	1,6010C	JH
Selenium, Total	0.32	J	mg/kg	1.8	0.26	2	10/10/14 22:04	10/15/14 15:25	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.88	0.18	2	10/10/14 22:04	10/15/14 15:25	EPA 3050B	1,6010C	JH
Sodium, Total	240		mg/kg	180	26.	2	10/10/14 22:04	10/15/14 15:25	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.8	0.35	2	10/10/14 22:04	10/15/14 15:25	EPA 3050B	1,6010C	JH
Vanadium, Total	16		mg/kg	0.88	0.09	2	10/10/14 22:04	10/15/14 15:25	EPA 3050B	1,6010C	JH
Zinc, Total	440		mg/kg	4.4	0.61	2	10/10/14 22:04	10/15/14 15:25	EPA 3050B	1,6010C	JH

Project Name: 487 W. 129TH ST.
Lab Number: L1423865
Project Number: 10825
Report Date: 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-10
Client ID: WC-3 26'-28'
Sample Location: NEW YORK, NY
Matrix: Soil
Percent Solids: 79%

Date Collected: 10/07/14 15:45
Date Received: 10/09/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3700		mg/kg	9.5	1.9	2	10/10/14 22:04	10/15/14 15:29	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	4.7	0.76	2	10/10/14 22:04	10/15/14 15:29	EPA 3050B	1,6010C	JH
Arsenic, Total	0.70	J	mg/kg	0.95	0.19	2	10/10/14 22:04	10/15/14 15:29	EPA 3050B	1,6010C	JH
Barium, Total	1800		mg/kg	0.95	0.28	2	10/10/14 22:04	10/15/14 15:29	EPA 3050B	1,6010C	JH
Beryllium, Total	0.26	J	mg/kg	0.47	0.10	2	10/10/14 22:04	10/15/14 15:29	EPA 3050B	1,6010C	JH
Cadmium, Total	1.5		mg/kg	0.95	0.07	2	10/10/14 22:04	10/15/14 15:29	EPA 3050B	1,6010C	JH
Calcium, Total	2000		mg/kg	9.5	2.8	2	10/10/14 22:04	10/15/14 15:29	EPA 3050B	1,6010C	JH
Chromium, Total	30		mg/kg	0.95	0.19	2	10/10/14 22:04	10/15/14 15:29	EPA 3050B	1,6010C	JH
Cobalt, Total	98		mg/kg	1.9	0.47	2	10/10/14 22:04	10/15/14 15:29	EPA 3050B	1,6010C	JH
Copper, Total	14		mg/kg	0.95	0.19	2	10/10/14 22:04	10/15/14 15:29	EPA 3050B	1,6010C	JH
Iron, Total	12000		mg/kg	4.7	1.9	2	10/10/14 22:04	10/15/14 15:29	EPA 3050B	1,6010C	JH
Lead, Total	7.1		mg/kg	4.7	0.19	2	10/10/14 22:04	10/15/14 15:29	EPA 3050B	1,6010C	JH
Magnesium, Total	1300		mg/kg	9.5	0.95	2	10/10/14 22:04	10/15/14 15:29	EPA 3050B	1,6010C	JH
Manganese, Total	34000		mg/kg	47	9.5	100	10/10/14 22:04	10/15/14 19:00	EPA 3050B	1,6010C	TT
Mercury, Total	ND		mg/kg	0.08	0.02	1	10/11/14 11:04	10/13/14 12:51	EPA 7471B	1,7471B	MC
Nickel, Total	210		mg/kg	2.4	0.38	2	10/10/14 22:04	10/15/14 15:29	EPA 3050B	1,6010C	JH
Potassium, Total	1400		mg/kg	240	38.	2	10/10/14 22:04	10/15/14 15:29	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	1.9	0.28	2	10/10/14 22:04	10/15/14 15:29	EPA 3050B	1,6010C	JH
Silver, Total	5.6		mg/kg	0.95	0.19	2	10/10/14 22:04	10/15/14 15:29	EPA 3050B	1,6010C	JH
Sodium, Total	300		mg/kg	190	28.	2	10/10/14 22:04	10/15/14 15:29	EPA 3050B	1,6010C	JH
Thallium, Total	11		mg/kg	1.9	0.38	2	10/10/14 22:04	10/15/14 15:29	EPA 3050B	1,6010C	JH
Vanadium, Total	17		mg/kg	0.95	0.10	2	10/10/14 22:04	10/15/14 15:29	EPA 3050B	1,6010C	JH
Zinc, Total	100		mg/kg	4.7	0.66	2	10/10/14 22:04	10/15/14 15:29	EPA 3050B	1,6010C	JH

Project Name: 487 W. 129TH ST.
Lab Number: L1423865
Project Number: 10825
Report Date: 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-11
Client ID: WC-4-7'-9'
Sample Location: NEW YORK, NY
Matrix: Soil
Percent Solids: 87%

Date Collected: 10/07/14 16:55
Date Received: 10/09/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	10000		mg/kg	9.0	1.8	2	10/10/14 22:04	10/15/14 16:02	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	4.5	0.72	2	10/10/14 22:04	10/15/14 16:02	EPA 3050B	1,6010C	JH
Arsenic, Total	2.4		mg/kg	0.90	0.18	2	10/10/14 22:04	10/15/14 16:02	EPA 3050B	1,6010C	JH
Barium, Total	31		mg/kg	0.90	0.27	2	10/10/14 22:04	10/15/14 16:02	EPA 3050B	1,6010C	JH
Beryllium, Total	0.34	J	mg/kg	0.45	0.09	2	10/10/14 22:04	10/15/14 16:02	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.90	0.06	2	10/10/14 22:04	10/15/14 16:02	EPA 3050B	1,6010C	JH
Calcium, Total	810		mg/kg	9.0	2.7	2	10/10/14 22:04	10/15/14 16:02	EPA 3050B	1,6010C	JH
Chromium, Total	13		mg/kg	0.90	0.18	2	10/10/14 22:04	10/15/14 16:02	EPA 3050B	1,6010C	JH
Cobalt, Total	7.5		mg/kg	1.8	0.45	2	10/10/14 22:04	10/15/14 16:02	EPA 3050B	1,6010C	JH
Copper, Total	13		mg/kg	0.90	0.18	2	10/10/14 22:04	10/15/14 16:02	EPA 3050B	1,6010C	JH
Iron, Total	18000		mg/kg	4.5	1.8	2	10/10/14 22:04	10/15/14 16:02	EPA 3050B	1,6010C	JH
Lead, Total	8.1		mg/kg	4.5	0.18	2	10/10/14 22:04	10/15/14 16:02	EPA 3050B	1,6010C	JH
Magnesium, Total	3000		mg/kg	9.0	0.90	2	10/10/14 22:04	10/15/14 16:02	EPA 3050B	1,6010C	JH
Manganese, Total	460		mg/kg	0.90	0.18	2	10/10/14 22:04	10/15/14 16:02	EPA 3050B	1,6010C	JH
Mercury, Total	ND		mg/kg	0.07	0.02	1	10/11/14 11:04	10/13/14 12:53	EPA 7471B	1,7471B	MC
Nickel, Total	13		mg/kg	2.2	0.36	2	10/10/14 22:04	10/15/14 16:02	EPA 3050B	1,6010C	JH
Potassium, Total	500		mg/kg	220	36.	2	10/10/14 22:04	10/15/14 16:02	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	1.8	0.27	2	10/10/14 22:04	10/15/14 16:02	EPA 3050B	1,6010C	JH
Silver, Total	0.20	J	mg/kg	0.90	0.18	2	10/10/14 22:04	10/15/14 16:02	EPA 3050B	1,6010C	JH
Sodium, Total	99	J	mg/kg	180	27.	2	10/10/14 22:04	10/15/14 16:02	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.8	0.36	2	10/10/14 22:04	10/15/14 16:02	EPA 3050B	1,6010C	JH
Vanadium, Total	18		mg/kg	0.90	0.09	2	10/10/14 22:04	10/15/14 16:02	EPA 3050B	1,6010C	JH
Zinc, Total	34		mg/kg	4.5	0.63	2	10/10/14 22:04	10/15/14 16:02	EPA 3050B	1,6010C	JH

Project Name: 487 W. 129TH ST.
Lab Number: L1423865
Project Number: 10825
Report Date: 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-12
Client ID: WC-4 26'-28'
Sample Location: NEW YORK, NY
Matrix: Soil
Percent Solids: 81%

Date Collected: 10/07/14 17:25
Date Received: 10/09/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	2600		mg/kg	9.4	1.9	2	10/10/14 22:04	10/15/14 16:05	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	4.7	0.75	2	10/10/14 22:04	10/15/14 16:05	EPA 3050B	1,6010C	JH
Arsenic, Total	0.88	J	mg/kg	0.94	0.19	2	10/10/14 22:04	10/15/14 16:05	EPA 3050B	1,6010C	JH
Barium, Total	46		mg/kg	0.94	0.28	2	10/10/14 22:04	10/15/14 16:05	EPA 3050B	1,6010C	JH
Beryllium, Total	0.24	J	mg/kg	0.47	0.09	2	10/10/14 22:04	10/15/14 16:05	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.94	0.07	2	10/10/14 22:04	10/15/14 16:05	EPA 3050B	1,6010C	JH
Calcium, Total	400		mg/kg	9.4	2.8	2	10/10/14 22:04	10/15/14 16:05	EPA 3050B	1,6010C	JH
Chromium, Total	8.2		mg/kg	0.94	0.19	2	10/10/14 22:04	10/15/14 16:05	EPA 3050B	1,6010C	JH
Cobalt, Total	11		mg/kg	1.9	0.47	2	10/10/14 22:04	10/15/14 16:05	EPA 3050B	1,6010C	JH
Copper, Total	14		mg/kg	0.94	0.19	2	10/10/14 22:04	10/15/14 16:05	EPA 3050B	1,6010C	JH
Iron, Total	13000		mg/kg	4.7	1.9	2	10/10/14 22:04	10/15/14 16:05	EPA 3050B	1,6010C	JH
Lead, Total	2.6	J	mg/kg	4.7	0.19	2	10/10/14 22:04	10/15/14 16:05	EPA 3050B	1,6010C	JH
Magnesium, Total	900		mg/kg	9.4	0.94	2	10/10/14 22:04	10/15/14 16:05	EPA 3050B	1,6010C	JH
Manganese, Total	1100		mg/kg	0.94	0.19	2	10/10/14 22:04	10/15/14 16:05	EPA 3050B	1,6010C	JH
Mercury, Total	ND		mg/kg	0.08	0.02	1	10/11/14 11:04	10/13/14 12:55	EPA 7471B	1,7471B	MC
Nickel, Total	11		mg/kg	2.4	0.38	2	10/10/14 22:04	10/15/14 16:05	EPA 3050B	1,6010C	JH
Potassium, Total	420		mg/kg	240	38.	2	10/10/14 22:04	10/15/14 16:05	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	1.9	0.28	2	10/10/14 22:04	10/15/14 16:05	EPA 3050B	1,6010C	JH
Silver, Total	0.35	J	mg/kg	0.94	0.19	2	10/10/14 22:04	10/15/14 16:05	EPA 3050B	1,6010C	JH
Sodium, Total	84	J	mg/kg	190	28.	2	10/10/14 22:04	10/15/14 16:05	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.9	0.38	2	10/10/14 22:04	10/15/14 16:05	EPA 3050B	1,6010C	JH
Vanadium, Total	9.7		mg/kg	0.94	0.09	2	10/10/14 22:04	10/15/14 16:05	EPA 3050B	1,6010C	JH
Zinc, Total	15		mg/kg	4.7	0.66	2	10/10/14 22:04	10/15/14 16:05	EPA 3050B	1,6010C	JH

Project Name: 487 W. 129TH ST.
Project Number: 10825
Lab Number: L1423865
Report Date: 10/16/14

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 01-04 Batch: WG729975-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	10/10/14 14:05	10/14/14 19:56	1,7470A	AK

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 05-12 Batch: WG730094-1										
Aluminum, Total	ND		mg/kg	4.0	0.80	1	10/10/14 22:04	10/15/14 14:32	1,6010C	JH
Antimony, Total	ND		mg/kg	2.0	0.32	1	10/10/14 22:04	10/15/14 14:32	1,6010C	JH
Arsenic, Total	ND		mg/kg	0.40	0.08	1	10/10/14 22:04	10/15/14 14:32	1,6010C	JH
Barium, Total	ND		mg/kg	0.40	0.12	1	10/10/14 22:04	10/15/14 14:32	1,6010C	JH
Beryllium, Total	ND		mg/kg	0.20	0.04	1	10/10/14 22:04	10/15/14 14:32	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.40	0.03	1	10/10/14 22:04	10/15/14 14:32	1,6010C	JH
Calcium, Total	ND		mg/kg	4.0	1.2	1	10/10/14 22:04	10/15/14 14:32	1,6010C	JH
Chromium, Total	0.20	J	mg/kg	0.40	0.08	1	10/10/14 22:04	10/15/14 14:32	1,6010C	JH
Cobalt, Total	ND		mg/kg	0.80	0.20	1	10/10/14 22:04	10/15/14 14:32	1,6010C	JH
Copper, Total	ND		mg/kg	0.40	0.08	1	10/10/14 22:04	10/15/14 14:32	1,6010C	JH
Iron, Total	ND		mg/kg	2.0	0.80	1	10/10/14 22:04	10/15/14 14:32	1,6010C	JH
Lead, Total	ND		mg/kg	2.0	0.08	1	10/10/14 22:04	10/15/14 14:32	1,6010C	JH
Magnesium, Total	ND		mg/kg	4.0	0.40	1	10/10/14 22:04	10/15/14 14:32	1,6010C	JH
Manganese, Total	ND		mg/kg	0.40	0.08	1	10/10/14 22:04	10/15/14 14:32	1,6010C	JH
Nickel, Total	ND		mg/kg	1.0	0.16	1	10/10/14 22:04	10/15/14 14:32	1,6010C	JH
Potassium, Total	ND		mg/kg	100	16.	1	10/10/14 22:04	10/15/14 14:32	1,6010C	JH
Selenium, Total	ND		mg/kg	0.80	0.12	1	10/10/14 22:04	10/15/14 14:32	1,6010C	JH
Silver, Total	0.09	J	mg/kg	0.40	0.08	1	10/10/14 22:04	10/15/14 14:32	1,6010C	JH
Sodium, Total	ND		mg/kg	80	12.	1	10/10/14 22:04	10/15/14 14:32	1,6010C	JH
Thallium, Total	ND		mg/kg	0.80	0.16	1	10/10/14 22:04	10/15/14 14:32	1,6010C	JH
Vanadium, Total	ND		mg/kg	0.40	0.04	1	10/10/14 22:04	10/15/14 14:32	1,6010C	JH
Zinc, Total	ND		mg/kg	2.0	0.28	1	10/10/14 22:04	10/15/14 14:32	1,6010C	JH

Project Name: 487 W. 129TH ST. **Lab Number:** L1423865

Project Number: 10825 **Report Date:** 10/16/14

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 05-12 Batch: WG730124-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	10/11/14 11:04	10/13/14 12:09	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-04 Batch: WG731026-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	10/10/14 14:48	10/14/14 18:31	1,7470A	AK

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-04 Batch: WG731304-1										
Aluminum, Total	ND		mg/l	0.0100	0.00169	1	10/15/14 13:13	10/16/14 17:20	1,6020A	KL
Antimony, Total	0.00098	J	mg/l	0.00300	0.00006	1	10/15/14 13:13	10/16/14 17:20	1,6020A	KL
Arsenic, Total	ND		mg/l	0.00050	0.00012	1	10/15/14 13:13	10/16/14 17:20	1,6020A	KL
Barium, Total	0.00006	J	mg/l	0.00050	0.00006	1	10/15/14 13:13	10/16/14 17:20	1,6020A	KL
Beryllium, Total	ND		mg/l	0.00050	0.00015	1	10/15/14 13:13	10/16/14 17:20	1,6020A	KL
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	10/15/14 13:13	10/16/14 17:20	1,6020A	KL
Calcium, Total	ND		mg/l	0.100	0.0320	1	10/15/14 13:13	10/16/14 17:20	1,6020A	KL
Chromium, Total	ND		mg/l	0.00100	0.00025	1	10/15/14 13:13	10/16/14 17:20	1,6020A	KL
Cobalt, Total	ND		mg/l	0.00020	0.00006	1	10/15/14 13:13	10/16/14 17:20	1,6020A	KL
Copper, Total	0.00030	J	mg/l	0.00100	0.00026	1	10/15/14 13:13	10/16/14 17:20	1,6020A	KL
Iron, Total	ND		mg/l	0.0500	0.0120	1	10/15/14 13:13	10/16/14 17:20	1,6020A	KL
Lead, Total	ND		mg/l	0.00100	0.00012	1	10/15/14 13:13	10/16/14 17:20	1,6020A	KL

Project Name: 487 W. 129TH ST.
Project Number: 10825
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Batch Quality Control

Magnesium, Total	ND		mg/l	0.0700	0.0223	1	10/15/14 13:13	10/16/14 17:20	1,6020A	KL
Manganese, Total	ND		mg/l	0.00050	0.00030	1	10/15/14 13:13	10/16/14 17:20	1,6020A	KL
Nickel, Total	ND		mg/l	0.00050	0.00008	1	10/15/14 13:13	10/16/14 17:20	1,6020A	KL
Potassium, Total	ND		mg/l	0.100	0.0193	1	10/15/14 13:13	10/16/14 17:20	1,6020A	KL
Selenium, Total	ND		mg/l	0.00500	0.00100	1	10/15/14 13:13	10/16/14 17:20	1,6020A	KL
Silver, Total	ND		mg/l	0.00040	0.00007	1	10/15/14 13:13	10/16/14 17:20	1,6020A	KL
Sodium, Total	0.0630	J	mg/l	0.100	0.0161	1	10/15/14 13:13	10/16/14 17:20	1,6020A	KL
Thallium, Total	ND		mg/l	0.00050	0.00005	1	10/15/14 13:13	10/16/14 17:20	1,6020A	KL
Vanadium, Total	ND		mg/l	0.00500	0.00055	1	10/15/14 13:13	10/16/14 17:20	1,6020A	KL
Zinc, Total	0.00288	J	mg/l	0.01000	0.00256	1	10/15/14 13:13	10/16/14 17:20	1,6020A	KL

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 01-04 Batch: WG731583-1										
Aluminum, Dissolved	ND		mg/l	0.0100	0.00169	1	10/09/14 18:45	10/16/14 16:37	1,6020A	KL
Antimony, Dissolved	0.00163	J	mg/l	0.00300	0.00006	1	10/09/14 18:45	10/16/14 16:37	1,6020A	KL
Arsenic, Dissolved	ND		mg/l	0.00050	0.00012	1	10/09/14 18:45	10/16/14 16:37	1,6020A	KL
Barium, Dissolved	ND		mg/l	0.00050	0.00006	1	10/09/14 18:45	10/16/14 16:37	1,6020A	KL
Beryllium, Dissolved	ND		mg/l	0.00050	0.00015	1	10/09/14 18:45	10/16/14 16:37	1,6020A	KL
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	10/09/14 18:45	10/16/14 16:37	1,6020A	KL
Calcium, Dissolved	ND		mg/l	0.100	0.0320	1	10/09/14 18:45	10/16/14 16:37	1,6020A	KL
Chromium, Dissolved	0.00054	J	mg/l	0.00100	0.00025	1	10/09/14 18:45	10/16/14 16:37	1,6020A	KL
Cobalt, Dissolved	ND		mg/l	0.00020	0.00006	1	10/09/14 18:45	10/16/14 16:37	1,6020A	KL
Copper, Dissolved	0.00033	J	mg/l	0.00100	0.00026	1	10/09/14 18:45	10/16/14 16:37	1,6020A	KL
Iron, Dissolved	ND		mg/l	0.0500	0.0120	1	10/09/14 18:45	10/16/14 16:37	1,6020A	KL
Lead, Dissolved	ND		mg/l	0.00100	0.00012	1	10/09/14 18:45	10/16/14 16:37	1,6020A	KL
Magnesium, Dissolved	ND		mg/l	0.0700	0.0223	1	10/09/14 18:45	10/16/14 16:37	1,6020A	KL
Manganese, Dissolved	ND		mg/l	0.00050	0.00030	1	10/09/14 18:45	10/16/14 16:37	1,6020A	KL
Nickel, Dissolved	ND		mg/l	0.00050	0.00008	1	10/09/14 18:45	10/16/14 16:37	1,6020A	KL
Potassium, Dissolved	0.0280	J	mg/l	0.100	0.0193	1	10/09/14 18:45	10/16/14 16:37	1,6020A	KL
Selenium, Dissolved	ND		mg/l	0.00500	0.00100	1	10/09/14 18:45	10/16/14 16:37	1,6020A	KL
Silver, Dissolved	ND		mg/l	0.00040	0.00007	1	10/09/14 18:45	10/16/14 16:37	1,6020A	KL
Sodium, Dissolved	0.0480	J	mg/l	0.100	0.0161	1	10/09/14 18:45	10/16/14 16:37	1,6020A	KL

Project Name: 487 W. 129TH ST.
Project Number: 10825
Lab Number: L1423865
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Batch Quality Control

Thallium, Dissolved	ND	mg/l	0.00050	0.00005	1	10/09/14 18:45	10/16/14 16:37	1,6020A	KL
Vanadium, Dissolved	ND	mg/l	0.00500	0.00055	1	10/09/14 18:45	10/16/14 16:37	1,6020A	KL
Zinc, Dissolved	ND	mg/l	0.01000	0.00256	1	10/09/14 18:45	10/16/14 16:37	1,6020A	KL

Prep Information

Digestion Method: NA

Lab Control Sample Analysis

Batch Quality Control

Project Name: 487 W. 129TH ST.

Project Number: 10825

Lab Number: L1423865

Report Date: 10/16/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-04 Batch: WG729975-2								
Mercury, Dissolved	92		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 487 W. 129TH ST.

Project Number: 10825

Lab Number: L1423865

Report Date: 10/16/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 05-12 Batch: WG730094-2 SRM Lot Number: D083-540					
Aluminum, Total	69	-	51-148	-	
Antimony, Total	121	-	1-210	-	
Arsenic, Total	90	-	78-122	-	
Barium, Total	96	-	82-117	-	
Beryllium, Total	92	-	82-118	-	
Cadmium, Total	90	-	82-118	-	
Calcium, Total	86	-	82-118	-	
Chromium, Total	95	-	79-121	-	
Cobalt, Total	88	-	83-117	-	
Copper, Total	91	-	80-120	-	
Iron, Total	86	-	47-153	-	
Lead, Total	84	-	81-119	-	
Magnesium, Total	83	-	75-124	-	
Manganese, Total	85	-	81-119	-	
Nickel, Total	89	-	82-118	-	
Potassium, Total	80	-	70-130	-	
Selenium, Total	90	-	78-123	-	
Silver, Total	88	-	74-125	-	
Sodium, Total	89	-	70-130	-	
Thallium, Total	86	-	78-122	-	
Vanadium, Total	89	-	65-135	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 487 W. 129TH ST.

Project Number: 10825

Lab Number: L1423865

Report Date: 10/16/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 05-12 Batch: WG730094-2 SRM Lot Number: D083-540					
Zinc, Total	87	-	80-121	-	
Total Metals - Westborough Lab Associated sample(s): 05-12 Batch: WG730124-2 SRM Lot Number: D083-540					
Mercury, Total	90	-	75-126	-	
Total Metals - Westborough Lab Associated sample(s): 01-04 Batch: WG731026-2					
Mercury, Total	97	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 487 W. 129TH ST.

Project Number: 10825

Lab Number: L1423865

Report Date: 10/16/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-04 Batch: WG731304-2					
Aluminum, Total	106	-	80-120	-	
Antimony, Total	111	-	80-120	-	
Arsenic, Total	106	-	80-120	-	
Barium, Total	101	-	80-120	-	
Beryllium, Total	108	-	80-120	-	
Cadmium, Total	106	-	80-120	-	
Calcium, Total	107	-	80-120	-	
Chromium, Total	99	-	80-120	-	
Cobalt, Total	106	-	80-120	-	
Copper, Total	100	-	80-120	-	
Iron, Total	111	-	80-120	-	
Lead, Total	105	-	80-120	-	
Magnesium, Total	112	-	80-120	-	
Manganese, Total	100	-	80-120	-	
Nickel, Total	104	-	80-120	-	
Potassium, Total	98	-	80-120	-	
Selenium, Total	113	-	80-120	-	
Silver, Total	99	-	80-120	-	
Sodium, Total	99	-	80-120	-	
Thallium, Total	100	-	80-120	-	
Vanadium, Total	106	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 487 W. 129TH ST.

Project Number: 10825

Lab Number: L1423865

Report Date: 10/16/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-04 Batch: WG731304-2					
Zinc, Total	108	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 487 W. 129TH ST.

Project Number: 10825

Lab Number: L1423865

Report Date: 10/16/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-04 Batch: WG731583-2					
Aluminum, Dissolved	96	-	80-120	-	
Antimony, Dissolved	103	-	80-120	-	
Arsenic, Dissolved	97	-	80-120	-	
Barium, Dissolved	96	-	80-120	-	
Beryllium, Dissolved	98	-	80-120	-	
Cadmium, Dissolved	99	-	80-120	-	
Calcium, Dissolved	97	-	80-120	-	
Chromium, Dissolved	98	-	80-120	-	
Cobalt, Dissolved	101	-	80-120	-	
Copper, Dissolved	95	-	80-120	-	
Iron, Dissolved	91	-	80-120	-	
Lead, Dissolved	100	-	80-120	-	
Magnesium, Dissolved	98	-	80-120	-	
Manganese, Dissolved	98	-	80-120	-	
Nickel, Dissolved	97	-	80-120	-	
Potassium, Dissolved	98	-	80-120	-	
Selenium, Dissolved	100	-	80-120	-	
Silver, Dissolved	93	-	80-120	-	
Sodium, Dissolved	90	-	80-120	-	
Thallium, Dissolved	94	-	80-120	-	
Vanadium, Dissolved	102	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 487 W. 129TH ST.

Project Number: 10825

Lab Number: L1423865

Report Date: 10/16/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-04 Batch: WG731583-2					
Zinc, Dissolved	103	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 487 W. 129TH ST.
Project Number: 10825

Lab Number: L1423865
Report Date: 10/16/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG729975-4 QC Sample: L1423865-01 Client ID: GW-1												
Mercury, Dissolved	ND	0.005	0.00429	86		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 487 W. 129TH ST.
Project Number: 10825

Lab Number: L1423865
Report Date: 10/16/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 05-12 QC Batch ID: WG730094-4 QC Sample: L1423865-05 Client ID: WC-1-8'-10'										
Aluminum, Total	9100	181	10000	**497**	Q	-	-	75-125	-	20
Antimony, Total	ND	45.3	29	**64**	Q	-	-	75-125	-	20
Arsenic, Total	2.4	10.9	13	98		-	-	75-125	-	20
Barium, Total	25.	181	200	97		-	-	75-125	-	20
Beryllium, Total	0.34J	4.53	4.5	99		-	-	75-125	-	20
Cadmium, Total	ND	4.62	4.0	87		-	-	75-125	-	20
Calcium, Total	550	906	1400	94		-	-	75-125	-	20
Chromium, Total	12.	18.1	30	99		-	-	75-125	-	20
Cobalt, Total	6.8	45.3	45	84		-	-	75-125	-	20
Copper, Total	13.	22.6	35	97		-	-	75-125	-	20
Iron, Total	19000	90.6	20000	**1100**	Q	-	-	75-125	-	20
Lead, Total	7.2	46.2	49	90		-	-	75-125	-	20
Magnesium, Total	3300	906	4300	110		-	-	75-125	-	20
Manganese, Total	280	45.3	370	**199**	Q	-	-	75-125	-	20
Nickel, Total	14.	45.3	53	86		-	-	75-125	-	20
Potassium, Total	420	906	1300	97		-	-	75-125	-	20
Selenium, Total	0.47J	10.9	10	92		-	-	75-125	-	20
Silver, Total	ND	27.2	24	88		-	-	75-125	-	20
Sodium, Total	38.J	906	880	97		-	-	75-125	-	20
Thallium, Total	ND	10.9	9.2	85		-	-	75-125	-	20
Vanadium, Total	13.	45.3	57	97		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 487 W. 129TH ST.
Project Number: 10825

Lab Number: L1423865
Report Date: 10/16/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 05-12 QC Batch ID: WG730094-4 QC Sample: L1423865-05 Client ID: WC-1-8'-10'									
Zinc, Total	43.	45.3	83	88	-	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 05-12 QC Batch ID: WG730124-4 QC Sample: L1423841-04 Client ID: MS Sample									
Mercury, Total	ND	0.146	0.14	96	-	-	80-120	-	20
Total Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG731026-4 QC Sample: L1400010-59 Client ID: MS Sample									
Mercury, Total	ND	0.005	0.00379	76	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 487 W. 129TH ST.
Project Number: 10825

Lab Number: L1423865
Report Date: 10/16/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG731304-4 QC Sample: L1423827-01 Client ID: MS Sample										
Aluminum, Total	ND	2	2.28	110		-	-	75-125	-	20
Antimony, Total	ND	0.5	0.6574	**131**	Q	-	-	75-125	-	20
Arsenic, Total	ND	0.12	0.1375	112		-	-	75-125	-	20
Barium, Total	ND	2	2.324	107		-	-	75-125	-	20
Beryllium, Total	ND	0.05	0.05690	114		-	-	75-125	-	20
Cadmium, Total	ND	0.051	0.05994	118		-	-	75-125	-	20
Calcium, Total	ND	10	388	**1000**	Q	-	-	75-125	-	20
Chromium, Total	ND	0.2	0.2142	107		-	-	75-125	-	20
Cobalt, Total	ND	0.5	0.5380	108		-	-	75-125	-	20
Copper, Total	ND	0.25	0.2576	103		-	-	75-125	-	20
Iron, Total	3.28	1	4.62	**134**	Q	-	-	75-125	-	20
Lead, Total	0.00028J	0.51	0.5490	108		-	-	75-125	-	20
Magnesium, Total	ND	10	150	**0**	Q	-	-	75-125	-	20
Manganese, Total	0.5540	0.5	1.070	103		-	-	75-125	-	20
Nickel, Total	ND	0.5	0.5186	104		-	-	75-125	-	20
Potassium, Total	4.56	10	19.1	**145**	Q	-	-	75-125	-	20
Selenium, Total	ND	0.12	0.147	122		-	-	75-125	-	20
Silver, Total	ND	0.05	0.05140	103		-	-	75-125	-	20
Sodium, Total	388.	10	410	**220**	Q	-	-	75-125	-	20
Thallium, Total	ND	0.12	0.1195	100		-	-	75-125	-	20
Vanadium, Total	ND	0.5	0.5454	109		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 487 W. 129TH ST.
Project Number: 10825
Lab Number: L1423865
Report Date: 10/16/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG731304-4 QC Sample: L1423827-01 Client ID: MS Sample									
Zinc, Total	ND	0.5	0.5476	110	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 487 W. 129TH ST.
Project Number: 10825

Lab Number: L1423865
Report Date: 10/16/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG731583-4 QC Sample: L1423865-01 Client ID: GW-1										
Aluminum, Dissolved	0.0214	2	1.97	97		-	-	75-125	-	20
Antimony, Dissolved	0.00437	0.5	0.3826	76		-	-	75-125	-	20
Arsenic, Dissolved	0.00024J	0.12	0.1224	102		-	-	75-125	-	20
Barium, Dissolved	0.07650	2	2.014	97		-	-	75-125	-	20
Beryllium, Dissolved	ND	0.05	0.05092	102		-	-	75-125	-	20
Cadmium, Dissolved	ND	0.051	0.05670	111		-	-	75-125	-	20
Calcium, Dissolved	116.	10	125	90		-	-	75-125	-	20
Chromium, Dissolved	0.00069J	0.2	0.1910	96		-	-	75-125	-	20
Cobalt, Dissolved	0.00067	0.5	0.5044	101		-	-	75-125	-	20
Copper, Dissolved	0.00112	0.25	0.2434	97		-	-	75-125	-	20
Iron, Dissolved	0.0349J	1	1.08	108		-	-	75-125	-	20
Lead, Dissolved	ND	0.51	0.5072	99		-	-	75-125	-	20
Magnesium, Dissolved	23.2	10	45.7	**225**	Q	-	-	75-125	-	20
Manganese, Dissolved	0.06792	0.5	0.5702	100		-	-	75-125	-	20
Nickel, Dissolved	0.00337	0.5	0.4800	95		-	-	75-125	-	20
Potassium, Dissolved	12.2	10	29.1	**169**	Q	-	-	75-125	-	20
Selenium, Dissolved	0.00435J	0.12	0.149	124		-	-	75-125	-	20
Silver, Dissolved	ND	0.05	0.04736	95		-	-	75-125	-	20
Sodium, Dissolved	164.	10	170	**60**	Q	-	-	75-125	-	20
Thallium, Dissolved	ND	0.12	0.1132	94		-	-	75-125	-	20
Vanadium, Dissolved	ND	0.5	0.5064	101		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 487 W. 129TH ST.
Project Number: 10825
Lab Number: L1423865
Report Date: 10/16/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG731583-4 QC Sample: L1423865-01 Client ID: GW-1									
Zinc, Dissolved	ND	0.5	0.5346	107	-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 487 W. 129TH ST.
Project Number: 10825

Lab Number: L1423865
Report Date: 10/16/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG729975-3 QC Sample: L1423865-01 Client ID: GW-1						
Mercury, Dissolved	ND	ND	mg/l	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 487 W. 129TH ST.
Project Number: 10825

Lab Number: L1423865
Report Date: 10/16/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 05-12 QC Batch ID: WG730094-3 QC Sample: L1423865-05 Client ID: WC-1-8'-10'					
Aluminum, Total	9100	9300	mg/kg	2	20
Antimony, Total	ND	ND	mg/kg	NC	20
Arsenic, Total	2.4	2.5	mg/kg	4	20
Barium, Total	25.	23	mg/kg	8	20
Beryllium, Total	0.34J	0.35J	mg/kg	NC	20
Cadmium, Total	ND	ND	mg/kg	NC	20
Calcium, Total	550	540	mg/kg	2	20
Chromium, Total	12.	12	mg/kg	0	20
Cobalt, Total	6.8	6.4	mg/kg	6	20
Copper, Total	13.	14	mg/kg	7	20
Iron, Total	19000	20000	mg/kg	5	20
Lead, Total	7.2	7.2	mg/kg	0	20
Magnesium, Total	3300	3500	mg/kg	6	20
Manganese, Total	280	280	mg/kg	0	20
Nickel, Total	14.	15	mg/kg	7	20
Potassium, Total	420	430	mg/kg	2	20
Selenium, Total	0.47J	ND	mg/kg	NC	20
Silver, Total	ND	ND	mg/kg	NC	20
Sodium, Total	38.J	39J	mg/kg	NC	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 487 W. 129TH ST.
Project Number: 10825

Lab Number: L1423865
Report Date: 10/16/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 05-12 QC Batch ID: WG730094-3 QC Sample: L1423865-05 Client ID: WC-1-8'-10'					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	13.	14	mg/kg	7	20
Zinc, Total	43.	44	mg/kg	2	20
Total Metals - Westborough Lab Associated sample(s): 05-12 QC Batch ID: WG730124-3 QC Sample: L1423841-04 Client ID: DUP Sample					
Mercury, Total	ND	ND	mg/kg	NC	20
Total Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG731026-3 QC Sample: L1400010-59 Client ID: DUP Sample					
Mercury, Total	ND	ND	mg/l	NC	20
Total Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG731304-3 QC Sample: L1423827-01 Client ID: DUP Sample					
Manganese, Total	0.5540	0.5424	mg/l	2	20
Sodium, Total	388.	392	mg/l	1	20
Total Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG731304-3 QC Sample: L1423827-01 Client ID: DUP Sample					
Cadmium, Total	ND	ND	mg/l	NC	20
Iron, Total	3.28	3.31	mg/l	1	20
Lead, Total	0.00028J	0.00027J	mg/l	NC	20
Potassium, Total	4.56	4.53	mg/l	1	20
Dissolved Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG731583-3 QC Sample: L1423865-01 Client ID: GW-1					
Calcium, Dissolved	116.	118	mg/l	2	20
Sodium, Dissolved	164.	164	mg/l	0	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 487 W. 129TH ST.
Project Number: 10825

Lab Number: L1423865
Report Date: 10/16/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG731583-3 QC Sample: L1423865-01 Client ID: GW-1					
Aluminum, Dissolved	0.0214	0.0205	mg/l	4	20
Antimony, Dissolved	0.00437	0.00207J	mg/l	NC	20
Arsenic, Dissolved	0.00024J	0.00023J	mg/l	NC	20
Barium, Dissolved	0.07650	0.07568	mg/l	1	20
Beryllium, Dissolved	ND	ND	mg/l	NC	20
Cadmium, Dissolved	ND	ND	mg/l	NC	20
Chromium, Dissolved	0.00069J	0.00075J	mg/l	NC	20
Cobalt, Dissolved	0.00067	0.00068	mg/l	0	20
Copper, Dissolved	0.00112	0.00106	mg/l	6	20
Iron, Dissolved	0.0349J	0.0388J	mg/l	NC	20
Lead, Dissolved	ND	ND	mg/l	NC	20
Magnesium, Dissolved	23.2	23.2	mg/l	0	20
Manganese, Dissolved	0.06792	0.06718	mg/l	1	20
Nickel, Dissolved	0.00337	0.00344	mg/l	2	20
Potassium, Dissolved	12.2	12.1	mg/l	1	20
Selenium, Dissolved	0.00435J	0.00443J	mg/l	NC	20
Silver, Dissolved	ND	ND	mg/l	NC	20
Thallium, Dissolved	ND	ND	mg/l	NC	20
Vanadium, Dissolved	ND	ND	mg/l	NC	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 487 W. 129TH ST.
Project Number: 10825

Lab Number: L1423865
Report Date: 10/16/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG731583-3 QC Sample: L1423865-01 Client ID: GW-1					
Zinc, Dissolved	ND	ND	mg/l	NC	20

INORGANICS
&
MISCELLANEOUS

Project Name: 487 W. 129TH ST.
Project Number: 10825

Lab Number: L1423865
Report Date: 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-05
Client ID: WC-1-8'-10'
Sample Location: NEW YORK, NY
Matrix: Soil

Date Collected: 10/08/14 13:45
Date Received: 10/09/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.0		%	0.100	NA	1	-	10/13/14 13:59	30,2540G	SG

Project Name: 487 W. 129TH ST.
Project Number: 10825
Lab Number: L1423865
Report Date: 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-06
Client ID: WC-1-12'-14'
Sample Location: NEW YORK, NY
Matrix: Soil
Date Collected: 10/08/14 14:15
Date Received: 10/09/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.8		%	0.100	NA	1	-	10/13/14 13:59	30,2540G	SG

Project Name: 487 W. 129TH ST.
Project Number: 10825

Lab Number: L1423865
Report Date: 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-07
Client ID: WC-2-3'-5'
Sample Location: NEW YORK, NY
Matrix: Soil

Date Collected: 10/07/14 12:15
Date Received: 10/09/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.8		%	0.100	NA	1	-	10/13/14 13:59	30,2540G	SG

Project Name: 487 W. 129TH ST.
Project Number: 10825

Lab Number: L1423865
Report Date: 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-08
Client ID: WC-2-12'-14'
Sample Location: NEW YORK, NY
Matrix: Soil

Date Collected: 10/07/14 12:15
Date Received: 10/09/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.1		%	0.100	NA	1	-	10/13/14 13:59	30,2540G	SG

Project Name: 487 W. 129TH ST.
Project Number: 10825

Lab Number: L1423865
Report Date: 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-09
Client ID: WC-3 3'-5'
Sample Location: NEW YORK, NY
Matrix: Soil

Date Collected: 10/07/14 15:30
Date Received: 10/09/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.0		%	0.100	NA	1	-	10/13/14 13:59	30,2540G	SG

Project Name: 487 W. 129TH ST.
Project Number: 10825

Lab Number: L1423865
Report Date: 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-10
Client ID: WC-3 26'-28'
Sample Location: NEW YORK, NY
Matrix: Soil

Date Collected: 10/07/14 15:45
Date Received: 10/09/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.1		%	0.100	NA	1	-	10/13/14 13:59	30,2540G	SG

Project Name: 487 W. 129TH ST.
Project Number: 10825

Lab Number: L1423865
Report Date: 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-11
Client ID: WC-4-7'-9'
Sample Location: NEW YORK, NY
Matrix: Soil

Date Collected: 10/07/14 16:55
Date Received: 10/09/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.9		%	0.100	NA	1	-	10/13/14 13:59	30,2540G	SG

Project Name: 487 W. 129TH ST.
Project Number: 10825

Lab Number: L1423865
Report Date: 10/16/14

SAMPLE RESULTS

Lab ID: L1423865-12
Client ID: WC-4 26'-28'
Sample Location: NEW YORK, NY
Matrix: Soil

Date Collected: 10/07/14 17:25
Date Received: 10/09/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.3		%	0.100	NA	1	-	10/13/14 13:59	30,2540G	SG

Lab Duplicate Analysis
Batch Quality Control

Project Name: 487 W. 129TH ST.
Project Number: 10825

Lab Number: L1423865
Report Date: 10/16/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 05-12 QC Batch ID: WG730515-1 QC Sample: L1423858-01 Client ID: DUP Sample						
Solids, Total	89.1	89.6	%	1		20

Project Name: 487 W. 129TH ST.
Project Number: 10825

Lab Number: L1423865
Report Date: 10/16/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 10/09/2014 15:20

Cooler Information Custody Seal

Cooler	
A	Absent
B	Absent
C	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1423865-01A	Vial HCl preserved	A	N/A	2.7	Y	Absent	NYTCL-8260(14)
L1423865-01B	Vial HCl preserved	A	N/A	2.7	Y	Absent	NYTCL-8260(14)
L1423865-01C	Vial HCl preserved	A	N/A	2.7	Y	Absent	NYTCL-8260(14)
L1423865-01D	Plastic 500ml unpreserved	A	7	2.7	Y	Absent	FILTER-MET(1)
L1423865-01E	Plastic 500ml HNO3 preserved	A	<2	2.7	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1423865-01F	Amber 500ml unpreserved	A	7	2.7	Y	Absent	NYTCL-8081(7)
L1423865-01G	Amber 1000ml unpreserved	A	7	2.7	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1423865-01H	Amber 1000ml unpreserved	A	7	2.7	Y	Absent	NYTCL-8082-1200ML(7)
L1423865-01X	Plastic 120ml HNO3 preserved spl	A	<2	2.7	Y	Absent	CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1423865-02A	Vial HCl preserved	C	N/A	4.2	Y	Absent	NYTCL-8260(14)
L1423865-02B	Vial HCl preserved	C	N/A	4.2	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: 487 W. 129TH ST.
Project Number: 10825

Lab Number: L1423865
Report Date: 10/16/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1423865-02C	Vial HCl preserved	C	N/A	4.2	Y	Absent	NYTCL-8260(14)
L1423865-02D	Plastic 500ml unpreserved	C	7	4.2	Y	Absent	FILTER-MET(1)
L1423865-02E	Plastic 500ml HNO3 preserved	C	<2	4.2	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1423865-02F	Amber 500ml unpreserved	C	7	4.2	Y	Absent	NYTCL-8081(7)
L1423865-02G	Amber 1000ml unpreserved	C	7	4.2	Y	Absent	NYTCL-8081(7),NYTCL-8270(7),NYTCL-8270-SIM(7)
L1423865-02H	Amber 1000ml unpreserved	C	7	4.2	Y	Absent	NYTCL-8082-1200ML(7)
L1423865-02X	Plastic 120ml HNO3 preserved spl	C	<2	4.2	Y	Absent	CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1423865-03A	Vial HCl preserved	C	N/A	4.2	Y	Absent	NYTCL-8260(14)
L1423865-03B	Vial HCl preserved	C	N/A	4.2	Y	Absent	NYTCL-8260(14)
L1423865-03C	Vial HCl preserved	C	N/A	4.2	Y	Absent	NYTCL-8260(14)
L1423865-03D	Plastic 500ml unpreserved	C	7	4.2	Y	Absent	FILTER-MET(1)
L1423865-03E	Plastic 500ml HNO3 preserved	C	<2	4.2	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1423865-03F	Amber 500ml unpreserved	C	7	4.2	Y	Absent	NYTCL-8081(7)
L1423865-03G	Amber 1000ml unpreserved	C	7	4.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1423865-03H	Amber 1000ml unpreserved	C	7	4.2	Y	Absent	NYTCL-8082-1200ML(7)

*Values in parentheses indicate holding time in days

Project Name: 487 W. 129TH ST.
Project Number: 10825

Lab Number: L1423865
Report Date: 10/16/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1423865-03X	Plastic 120ml HNO3 preserved spl	C	<2	4.2	Y	Absent	CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1423865-04A	Vial HCl preserved	A	N/A	2.7	Y	Absent	NYTCL-8260(14)
L1423865-04B	Vial HCl preserved	A	N/A	2.7	Y	Absent	NYTCL-8260(14)
L1423865-04C	Vial HCl preserved	A	N/A	2.7	Y	Absent	NYTCL-8260(14)
L1423865-04D	Plastic 500ml unpreserved	A	7	2.7	Y	Absent	FILTER-MET(1)
L1423865-04E	Plastic 500ml HNO3 preserved	A	<2	2.7	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1423865-04F	Amber 500ml unpreserved	A	7	2.7	Y	Absent	NYTCL-8081(7)
L1423865-04G	Amber 1000ml unpreserved	A	7	2.7	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1423865-04H	Amber 1000ml unpreserved	A	7	2.7	Y	Absent	NYTCL-8082-1200ML(7)
L1423865-04X	Plastic 120ml HNO3 preserved spl	A	<2	2.7	Y	Absent	CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1423865-05A	5 gram Encore Sampler	B	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1423865-05B	5 gram Encore Sampler	B	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1423865-05C	5 gram Encore Sampler	B	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1423865-05D	Plastic 2oz unpreserved for TS	B	N/A	2.4	Y	Absent	TS(7)

*Values in parentheses indicate holding time in days

Project Name: 487 W. 129TH ST.
Project Number: 10825

Lab Number: L1423865
Report Date: 10/16/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1423865-05E	Amber 500ml unpreserved	B	N/A	2.4	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),NYTCL-8270-SIM(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1423865-05X	Vial MeOH preserved split	B	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1423865-05Y	Vial Water preserved split	B	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1423865-05Z	Vial Water preserved split	B	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1423865-06A	5 gram Encore Sampler	B	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1423865-06B	5 gram Encore Sampler	B	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1423865-06C	5 gram Encore Sampler	B	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1423865-06D	Plastic 2oz unpreserved for TS	B	N/A	2.4	Y	Absent	TS(7)
L1423865-06E	Amber 500ml unpreserved	B	N/A	2.4	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),NYTCL-8270-SIM(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1423865-06X	Vial MeOH preserved split	B	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1423865-06Y	Vial Water preserved split	B	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1423865-06Z	Vial Water preserved split	B	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1423865-07A	5 gram Encore Sampler	B	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1423865-07B	5 gram Encore Sampler	B	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1423865-07C	5 gram Encore Sampler	B	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1423865-07D	Plastic 2oz unpreserved for TS	B	N/A	2.4	Y	Absent	TS(7)

*Values in parentheses indicate holding time in days

Project Name: 487 W. 129TH ST.
Project Number: 10825

Lab Number: L1423865
Report Date: 10/16/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1423865-07E	Amber 500ml unpreserved	B	N/A	2.4	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),NYTCL-8270-SIM(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1423865-07X	Vial MeOH preserved split	B	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1423865-07Y	Vial Water preserved split	B	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1423865-07Z	Vial Water preserved split	B	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1423865-08A	5 gram Encore Sampler	B	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1423865-08B	5 gram Encore Sampler	B	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1423865-08C	5 gram Encore Sampler	B	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1423865-08D	Plastic 2oz unpreserved for TS	B	N/A	2.4	Y	Absent	TS(7)
L1423865-08E	Amber 500ml unpreserved	B	N/A	2.4	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),NYTCL-8270-SIM(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1423865-08X	Vial MeOH preserved split	B	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1423865-08Y	Vial Water preserved split	B	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1423865-08Z	Vial Water preserved split	B	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1423865-09A	5 gram Encore Sampler	B	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1423865-09B	5 gram Encore Sampler	B	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1423865-09C	5 gram Encore Sampler	B	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1423865-09D	Plastic 2oz unpreserved for TS	B	N/A	2.4	Y	Absent	TS(7)

*Values in parentheses indicate holding time in days

Project Name: 487 W. 129TH ST.
Project Number: 10825

Lab Number: L1423865
Report Date: 10/16/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1423865-09E	Amber 500ml unpreserved	B	N/A	2.4	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),NYTCL-8270-SIM(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1423865-09X	Vial MeOH preserved split	B	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1423865-09Y	Vial Water preserved split	B	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1423865-09Z	Vial Water preserved split	B	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1423865-10A	5 gram Encore Sampler	B	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1423865-10B	5 gram Encore Sampler	B	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1423865-10C	5 gram Encore Sampler	B	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1423865-10D	Plastic 2oz unpreserved for TS	B	N/A	2.4	Y	Absent	TS(7)
L1423865-10E	Amber 500ml unpreserved	B	N/A	2.4	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),NYTCL-8270-SIM(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1423865-10X	Vial MeOH preserved split	B	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1423865-10Y	Vial Water preserved split	B	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1423865-10Z	Vial Water preserved split	B	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1423865-11A	5 gram Encore Sampler	B	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1423865-11B	5 gram Encore Sampler	B	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1423865-11C	5 gram Encore Sampler	B	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1423865-11D	Plastic 2oz unpreserved for TS	B	N/A	2.4	Y	Absent	TS(7)

*Values in parentheses indicate holding time in days

Project Name: 487 W. 129TH ST.
Project Number: 10825

Lab Number: L1423865
Report Date: 10/16/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1423865-11E	Amber 500ml unpreserved	B	N/A	2.4	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),NYTCL-8270-SIM(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1423865-11X	Vial MeOH preserved split	B	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1423865-11Y	Vial Water preserved split	B	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1423865-11Z	Vial Water preserved split	B	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1423865-12A	5 gram Encore Sampler	B	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1423865-12B	5 gram Encore Sampler	B	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1423865-12C	5 gram Encore Sampler	B	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1423865-12D	Plastic 2oz unpreserved for TS	B	N/A	2.4	Y	Absent	TS(7)
L1423865-12E	Amber 500ml unpreserved	B	N/A	2.4	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),NYTCL-8270-SIM(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1423865-12X	Vial MeOH preserved split	B	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1423865-12Y	Vial Water preserved split	B	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1423865-12Z	Vial Water preserved split	B	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)

Container Comments

L1423865-01X

L1423865-02X

L1423865-03X

L1423865-04X

L1423865-05E

L1423865-06E

*Values in parentheses indicate holding time in days

Project Name: 487 W. 129TH ST.
Project Number: 10825

Lab Number: L1423865
Report Date: 10/16/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)

Container Comments

L1423865-07E

L1423865-08E

L1423865-09E

L1423865-10E

L1423865-11E

L1423865-12E

*Values in parentheses indicate holding time in days

Project Name:	487 W. 129TH ST.	**Lab Number:**	L1423865
Project Number:	10825	**Report Date:**	10/16/14

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

Report Format: DU Report with 'J' Qualifiers

Project Name:	487 W. 129TH ST.	**Lab Number:**	L1423865
Project Number:	10825	**Report Date:**	10/16/14

Data Qualifiers

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	487 W. 129TH ST.	**Lab Number:**	L1423865
Project Number:	10825	**Report Date:**	10/16/14

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

Last revised April 15, 2014

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

Serial No:10161419:35

CHAIN OF CUSTODY

PAGE 1 OF 2

Date Rec'd in Lab: 10/9/14

ALPHA Job #: LH23865

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: Asya Bychkov/AKRF, Inc.

Address: 440 Park Ave South, 7th Floor NY, NY 10016

Phone: 646-388-9533

Fax: 212-726-0941

Email: abychkov@akrf.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 487 W. 129th St

Project Location: New York, NY

Project #: 10825

Project Manager: Asya Bychkov

ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 10/16/14 Time:

Report Information - Data Deliverables

☐ FAX ☐ EMAIL

☒ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
	NY Subpt ASP A

Other Project Specific Requirements/Comments/Detection Limits:

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Diss Metals (LF)	Total TAL Metals	PCB	Pest	SVOC	VOC	SVOC Pest PCB TAL Metals	TS	VOC				Sample Specific Comments	TOTAL # BOTTLES
23865-01	GW-1	10/8/14	14:30	Aq	JBS	1	1	1	1	1	3							Samples are marked "WC" should be "GW"	8
-02	GW-2	10/7/14	12:30	Aq	JBS	1	1	1	1	1	3								8
-03	GW-3	10/8/14	10:00	Aq	JBS	1	1	1	1	1	3								8
-04	GW-4	10/8/14	09:45	Aq	JBS	1	1	1	1	1	3								8
-05	WC-1-8'-10'	10/8/14	13:45	So.l	JBS							1	1	3					5
-06	WC-1-12'-14'	10/8/14	14:15	So.l	JBS							1	1	3					5
-07	WC-2-3'-5'	10/7/14	12:15	So.l	JBS							1	1	3				RUSH PROCESS ENCORES	5
-08	WC-2-12'-14'	10/7/14	12:15	So.l	JBS							1	1	3					5
				Soil															
	Container Type																		
	Preservative						HNO3				HCl								

SAMPLE HANDLING

Filtration

☐ Done

☐ Not needed

☒ Lab to do

Preservation

☐ Lab to do

(Please specify below)

Relinquished By:	Date/Time	Received By:	Date/Time
Jennifer Smith 10/09/14 15:10	10/09/14 11:15	AAL	10/09/14 11:15
			10/09/14 15:10

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Serial No:10161419:35

CHAIN OF CUSTODY

PAGE 2 OF 2

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 10/9/14

ALPHA Job #: L1423865

Client Information

Client: Asya Bychkov

Address: 440 Park Ave South 7th Floor NY, NY 10016

Phone: 646-388-9533

Fax: 212-726-0941

Email: abychkov@akrf.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 487 W. 129th St

Project Location: New York, NY

Project #: 10825

Project Manager: Asya Bychkov

ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 10/16/14 Time:

Report Information - Data Deliverables

☐ FAX ☐ EMAIL

☒ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
	NY Sec 4 ASP A

Other Project Specific Requirements/Comments/Detection Limits:

ANALYSIS: SVOC, Pest PCB TAL Mtls, TS, VOC

SAMPLE HANDLING

Filtration

☐ Done ☐ Not needed ☐ Lab to do

Preservation

☐ Lab to do

(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	SVOC	Pest PCB	TAL Mtls	TS	VOC	Sample Specific Comments	TOTAL # BOTTLES
23865-09	WC-3 3-5'	10/07/14	15:30	Soil	JBS	1	1	3			RUSH PROCESS ENGORES	5
-10	WC-3 26-28'	10/07/14	15:45	Soil	JBS	1	1	3				5
-11	WC-4 7-9'	10/07/14	16:55	Soil	JBS	1	1	3				5
-12	WC-4 26-28'	10/07/14	17:25	Soil	JBS	1	1	3				5

Container Type												
Preservative												

Relinquished By:	Date/Time	Received By:	Date/Time
	10/09/14 11:15		10/09/14 11:15
	10/09/14 15:10		10/09/14 15:10

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

ANALYTICAL REPORT

Lab Number:	L1424052
Client:	AKRF, Inc. 440 Park Avenue South 7th Floor New York, NY 10016
ATTN:	Asya Bychkov
Phone:	(646) 388-9533
Project Name:	487 W. 129TH ST.
Project Number:	10825
Report Date:	10/20/14

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: NY (11627), CT (PH-0141), NH (2206), NJ NELAP (MA015), RI (LAO00299), PA (68-02089), LA NELAP (03090), FL (E87814), TX (T104704419), WA (C954), DOD (L2217.01), USDA (Permit #P330-11-00109), US Army Corps of Engineers.

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: 487 W. 129TH ST.
Project Number: 10825

Lab Number: L1424052
Report Date: 10/20/14

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1424052-01	SV-1	SOIL_VAPOR	NEW YORK, NY	10/08/14 14:18	10/09/14
L1424052-02	SV-2	SOIL_VAPOR	NEW YORK, NY	10/07/14 15:39	10/09/14
L1424052-03	SV-3	SOIL_VAPOR	NEW YORK, NY	10/08/14 13:20	10/09/14
L1424052-04	SV-4	SOIL_VAPOR	NEW YORK, NY	10/08/14 13:50	10/09/14
L1424052-05	SV-5	SOIL_VAPOR	NEW YORK, NY	10/08/14 11:52	10/09/14

Project Name: 487 W. 129TH ST.
Project Number: 10825

Lab Number: L1424052
Report Date: 10/20/14

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: 487 W. 129TH ST. **Lab Number:** L1424052
Project Number: 10825 **Report Date:** 10/20/14

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on October 3, 2014. The canister certification results are provided as an addendum.

Samples L1424052-01 and -02 have elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the samples.

Sample L1424052-01 results for Acetone should be considered estimated due to co-elution with a non-target peak.

Sample L1424052-02 The presence of Acetone could not be determined in this sample due to a non-target compound interfering with the identification and quantification of this compound.

Samples L1424052-03 and -05 results for Acetone should be considered estimated due to co-elution with a non-target peak.

The WG731961-3 LCS recoveries for Vinyl Acetate (146%) and Benzyl Chloride (131%) are above the upper 130% acceptance limit. The response for these compounds was elevated however they were not detected in any of the associated samples therefore no further action was taken.

Laboratory Duplicate WG731961-5; the relative percent difference for Dichlorodifluoromethane (35%) and Vinyl Chloride (27%) are above the RPD limit of 25%. These compounds represented less than 10% of the compounds detected, therefore no further action was taken.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative Date: 10/20/14

AIR

Project Name: 487 W. 129TH ST. ***Lab Number:*** L1424052

Project Number: 10825 ***Report Date:*** 10/20/14

SAMPLE RESULTS

Lab ID: L1424052-01 D
Client ID: SV-1
Sample Location: NEW YORK, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 10/17/14 09:38
Analyst: MB

Date Collected: 10/08/14 14:18
Date Received: 10/09/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	0.400	--	ND	1.98	--		2
Chloromethane	ND	0.400	--	ND	0.826	--		2
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.400	--	ND	2.80	--		2
Vinyl chloride	ND	0.400	--	ND	1.02	--		2
1,3-Butadiene	7.97	0.400	--	17.6	0.885	--		2
Bromomethane	ND	0.400	--	ND	1.55	--		2
Chloroethane	ND	0.400	--	ND	1.06	--		2
Ethyl Alcohol	5.35	5.00	--	10.1	9.42	--		2
Vinyl bromide	ND	0.400	--	ND	1.75	--		2
Acetone	6.28	2.00	--	14.9	4.75	--		2
Trichlorofluoromethane	ND	0.400	--	ND	2.25	--		2
iso-Propyl Alcohol	ND	1.00	--	ND	2.46	--		2
1,1-Dichloroethene	ND	0.400	--	ND	1.59	--		2
tert-Butyl Alcohol	ND	1.00	--	ND	3.03	--		2
Methylene chloride	ND	1.00	--	ND	3.47	--		2
3-Chloropropene	ND	0.400	--	ND	1.25	--		2
Carbon disulfide	35.2	0.400	--	110	1.25	--		2
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.400	--	ND	3.07	--		2
trans-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--		2
1,1-Dichloroethane	ND	0.400	--	ND	1.62	--		2
Methyl tert butyl ether	ND	0.400	--	ND	1.44	--		2
2-Butanone	5.16	0.400	--	15.2	1.18	--		2
cis-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--		2
Ethyl Acetate	ND	1.00	--	ND	3.60	--		2

Project Name: 487 W. 129TH ST. ***Lab Number:*** L1424052

Project Number: 10825 ***Report Date:*** 10/20/14

SAMPLE RESULTS

Lab ID: L1424052-01 D Date Collected: 10/08/14 14:18

Client ID: SV-1 Date Received: 10/09/14

Sample Location: NEW YORK, NY Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chloroform	1.09	0.400	--	5.32	1.95	--		2
Tetrahydrofuran	ND	0.400	--	ND	1.18	--		2
1,2-Dichloroethane	ND	0.400	--	ND	1.62	--		2
n-Hexane	42.5	0.400	--	150	1.41	--		2
1,1,1-Trichloroethane	ND	0.400	--	ND	2.18	--		2
Benzene	5.80	0.400	--	18.5	1.28	--		2
Carbon tetrachloride	ND	0.400	--	ND	2.52	--		2
Cyclohexane	2.21	0.400	--	7.61	1.38	--		2
1,2-Dichloropropane	ND	0.400	--	ND	1.85	--		2
Bromodichloromethane	ND	0.400	--	ND	2.68	--		2
1,4-Dioxane	ND	0.400	--	ND	1.44	--		2
Trichloroethene	ND	0.400	--	ND	2.15	--		2
2,2,4-Trimethylpentane	ND	0.400	--	ND	1.87	--		2
Heptane	18.5	0.400	--	75.8	1.64	--		2
cis-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--		2
4-Methyl-2-pentanone	ND	0.400	--	ND	1.64	--		2
trans-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--		2
1,1,2-Trichloroethane	ND	0.400	--	ND	2.18	--		2
Toluene	23.7	0.400	--	89.3	1.51	--		2
2-Hexanone	ND	0.400	--	ND	1.64	--		2
Dibromochloromethane	ND	0.400	--	ND	3.41	--		2
1,2-Dibromoethane	ND	0.400	--	ND	3.07	--		2
Tetrachloroethene	ND	0.400	--	ND	2.71	--		2
Chlorobenzene	ND	0.400	--	ND	1.84	--		2
Ethylbenzene	5.18	0.400	--	22.5	1.74	--		2
p/m-Xylene	17.7	0.800	--	76.9	3.47	--		2
Bromoform	ND	0.400	--	ND	4.14	--		2
Styrene	ND	0.400	--	ND	1.70	--		2

Project Name: 487 W. 129TH ST.
Project Number: 10825
Lab Number: L1424052
Report Date: 10/20/14

SAMPLE RESULTS

Lab ID: L1424052-01 D
Client ID: SV-1
Sample Location: NEW YORK, NY
Date Collected: 10/08/14 14:18
Date Received: 10/09/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.400	--	ND	2.75	--		2
o-Xylene	6.23	0.400	--	27.1	1.74	--		2
4-Ethyltoluene	1.19	0.400	--	5.85	1.97	--		2
1,3,5-Trimethylbenzene	1.09	0.400	--	5.36	1.97	--		2
1,2,4-Trimethylbenzene	3.50	0.400	--	17.2	1.97	--		2
Benzyl chloride	ND	0.400	--	ND	2.07	--		2
1,3-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,4-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,2-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,2,4-Trichlorobenzene	ND	0.400	--	ND	2.97	--		2
Hexachlorobutadiene	ND	0.400	--	ND	4.27	--		2

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	131		60-140
Bromochloromethane	120		60-140
chlorobenzene-d5	135		60-140

Project Name: 487 W. 129TH ST. ***Lab Number:*** L1424052

Project Number: 10825 ***Report Date:*** 10/20/14

SAMPLE RESULTS

Lab ID: L1424052-02 D
Client ID: SV-2
Sample Location: NEW YORK, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 10/18/14 04:10
Analyst: RY

Date Collected: 10/07/14 15:39
Date Received: 10/09/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	2.00	--	ND	9.89	--		10
Chloromethane	ND	2.00	--	ND	4.13	--		10
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	2.00	--	ND	14.0	--		10
Vinyl chloride	ND	2.00	--	ND	5.11	--		10
1,3-Butadiene	ND	2.00	--	ND	4.42	--		10
Bromomethane	ND	2.00	--	ND	7.77	--		10
Chloroethane	ND	2.00	--	ND	5.28	--		10
Ethyl Alcohol	ND	25.0	--	ND	47.1	--		10
Vinyl bromide	ND	2.00	--	ND	8.74	--		10
Acetone	ND	10.0	--	ND	23.8	--		10
Trichlorofluoromethane	ND	2.00	--	ND	11.2	--		10
iso-Propyl Alcohol	ND	5.00	--	ND	12.3	--		10
1,1-Dichloroethene	ND	2.00	--	ND	7.93	--		10
tert-Butyl Alcohol	ND	5.00	--	ND	15.2	--		10
Methylene chloride	ND	5.00	--	ND	17.4	--		10
3-Chloropropene	ND	2.00	--	ND	6.26	--		10
Carbon disulfide	3.40	2.00	--	10.6	6.23	--		10
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	2.00	--	ND	15.3	--		10
trans-1,2-Dichloroethene	ND	2.00	--	ND	7.93	--		10
1,1-Dichloroethane	ND	2.00	--	ND	8.09	--		10
Methyl tert butyl ether	ND	2.00	--	ND	7.21	--		10
2-Butanone	4.48	2.00	--	13.2	5.90	--		10
cis-1,2-Dichloroethene	ND	2.00	--	ND	7.93	--		10
Ethyl Acetate	ND	5.00	--	ND	18.0	--		10

Project Name: 487 W. 129TH ST. ***Lab Number:*** L1424052

Project Number: 10825 ***Report Date:*** 10/20/14

SAMPLE RESULTS

Lab ID: L1424052-02 D Date Collected: 10/07/14 15:39

Client ID: SV-2 Date Received: 10/09/14

Sample Location: NEW YORK, NY Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	2.00	--	ND	9.77	--		10
Tetrahydrofuran	ND	2.00	--	ND	5.90	--		10
1,2-Dichloroethane	ND	2.00	--	ND	8.09	--		10
n-Hexane	334	2.00	--	1180	7.05	--		10
1,1,1-Trichloroethane	ND	2.00	--	ND	10.9	--		10
Benzene	25.4	2.00	--	81.1	6.39	--		10
Carbon tetrachloride	ND	2.00	--	ND	12.6	--		10
Cyclohexane	281	2.00	--	967	6.88	--		10
1,2-Dichloropropane	ND	2.00	--	ND	9.24	--		10
Bromodichloromethane	ND	2.00	--	ND	13.4	--		10
1,4-Dioxane	ND	2.00	--	ND	7.21	--		10
Trichloroethene	ND	2.00	--	ND	10.7	--		10
2,2,4-Trimethylpentane	ND	2.00	--	ND	9.34	--		10
Heptane	889	2.00	--	3640	8.20	--		10
cis-1,3-Dichloropropene	ND	2.00	--	ND	9.08	--		10
4-Methyl-2-pentanone	ND	2.00	--	ND	8.20	--		10
trans-1,3-Dichloropropene	ND	2.00	--	ND	9.08	--		10
1,1,2-Trichloroethane	ND	2.00	--	ND	10.9	--		10
Toluene	30.3	2.00	--	114	7.54	--		10
2-Hexanone	ND	2.00	--	ND	8.20	--		10
Dibromochloromethane	ND	2.00	--	ND	17.0	--		10
1,2-Dibromoethane	ND	2.00	--	ND	15.4	--		10
Tetrachloroethene	ND	2.00	--	ND	13.6	--		10
Chlorobenzene	ND	2.00	--	ND	9.21	--		10
Ethylbenzene	8.54	2.00	--	37.1	8.69	--		10
p/m-Xylene	38.3	4.00	--	166	17.4	--		10
Bromoform	ND	2.00	--	ND	20.7	--		10
Styrene	ND	2.00	--	ND	8.52	--		10

Project Name: 487 W. 129TH ST. ***Lab Number:*** L1424052

Project Number: 10825 ***Report Date:*** 10/20/14

SAMPLE RESULTS

Lab ID: L1424052-02 D Date Collected: 10/07/14 15:39

Client ID: SV-2 Date Received: 10/09/14

Sample Location: NEW YORK, NY Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	2.00	--	ND	13.7	--		10
o-Xylene	16.0	2.00	--	69.5	8.69	--		10
4-Ethyltoluene	3.48	2.00	--	17.1	9.83	--		10
1,3,5-Trimethylbenzene	5.85	2.00	--	28.8	9.83	--		10
1,2,4-Trimethylbenzene	8.57	2.00	--	42.1	9.83	--		10
Benzyl chloride	ND	2.00	--	ND	10.4	--		10
1,3-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,4-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,2-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,2,4-Trichlorobenzene	ND	2.00	--	ND	14.8	--		10
Hexachlorobutadiene	ND	2.00	--	ND	21.3	--		10

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	95		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	137		60-140

Project Name: 487 W. 129TH ST. ***Lab Number:*** L1424052

Project Number: 10825 ***Report Date:*** 10/20/14

SAMPLE RESULTS

Lab ID: L1424052-03
Client ID: SV-3
Sample Location: NEW YORK, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 10/18/14 03:07
Analyst: RY

Date Collected: 10/08/14 13:20
Date Received: 10/09/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.373	0.200	--	1.84	0.989	--		1
Chloromethane	1.11	0.200	--	2.29	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	3.82	0.200	--	8.45	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethyl Alcohol	7.34	2.50	--	13.8	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	45.8	1.00	--	109	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
iso-Propyl Alcohol	0.952	0.500	--	2.34	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
tert-Butyl Alcohol	1.87	0.500	--	5.67	1.52	--		1
Methylene chloride	0.938	0.500	--	3.26	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	3.28	0.200	--	10.2	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	4.90	0.200	--	14.5	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1

Project Name: 487 W. 129TH ST.
Project Number: 10825
Lab Number: L1424052
Report Date: 10/20/14

SAMPLE RESULTS

Lab ID: L1424052-03
Client ID: SV-3
Sample Location: NEW YORK, NY
Date Collected: 10/08/14 13:20
Date Received: 10/09/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chloroform	0.592	0.200	--	2.89	0.977	--		1
Tetrahydrofuran	0.300	0.200	--	0.885	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	16.0	0.200	--	56.4	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	3.44	0.200	--	11.0	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	6.90	0.200	--	23.8	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	16.1	0.200	--	66.0	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	18.5	0.200	--	69.7	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	0.260	0.200	--	1.76	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	4.43	0.200	--	19.2	0.869	--		1
p/m-Xylene	16.2	0.400	--	70.4	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1

Project Name: 487 W. 129TH ST. ***Lab Number:*** L1424052

Project Number: 10825 ***Report Date:*** 10/20/14

SAMPLE RESULTS

Lab ID: L1424052-03 Date Collected: 10/08/14 13:20

Client ID: SV-3 Date Received: 10/09/14

Sample Location: NEW YORK, NY Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	5.81	0.200	--	25.2	0.869	--		1
4-Ethyltoluene	1.30	0.200	--	6.39	0.983	--		1
1,3,5-Trimethylbenzene	1.14	0.200	--	5.60	0.983	--		1
1,2,4-Trimethylbenzene	4.00	0.200	--	19.7	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	94		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	108		60-140

Project Name: 487 W. 129TH ST. ***Lab Number:*** L1424052

Project Number: 10825 ***Report Date:*** 10/20/14

SAMPLE RESULTS

Lab ID: L1424052-04
Client ID: SV-4
Sample Location: NEW YORK, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 10/17/14 08:22
Analyst: MB

Date Collected: 10/08/14 13:50
Date Received: 10/09/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.258	0.200	--	1.28	0.989	--		1
Chloromethane	2.19	0.200	--	4.52	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	0.343	0.200	--	0.877	0.511	--		1
1,3-Butadiene	0.705	0.200	--	1.56	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethyl Alcohol	3.74	2.50	--	7.05	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	58.9	1.00	--	140	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
iso-Propyl Alcohol	0.720	0.500	--	1.77	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
tert-Butyl Alcohol	0.784	0.500	--	2.38	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	2.13	0.200	--	6.63	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	2.70	0.200	--	7.96	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1

Project Name: 487 W. 129TH ST. ***Lab Number:*** L1424052

Project Number: 10825 ***Report Date:*** 10/20/14

SAMPLE RESULTS

Lab ID: L1424052-04 Date Collected: 10/08/14 13:50

Client ID: SV-4 Date Received: 10/09/14

Sample Location: NEW YORK, NY Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chloroform	0.281	0.200	--	1.37	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	3.98	0.200	--	14.0	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	1.63	0.200	--	5.21	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.940	0.200	--	3.24	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	0.805	0.200	--	3.76	0.934	--		1
Heptane	4.37	0.200	--	17.9	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	16.2	0.200	--	61.0	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	3.69	0.200	--	16.0	0.869	--		1
p/m-Xylene	13.2	0.400	--	57.3	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1

Project Name: 487 W. 129TH ST. ***Lab Number:*** L1424052

Project Number: 10825 ***Report Date:*** 10/20/14

SAMPLE RESULTS

Lab ID: L1424052-04 Date Collected: 10/08/14 13:50

Client ID: SV-4 Date Received: 10/09/14

Sample Location: NEW YORK, NY Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	4.73	0.200	--	20.5	0.869	--		1
4-Ethyltoluene	1.13	0.200	--	5.56	0.983	--		1
1,3,5-Trimethylbenzene	0.947	0.200	--	4.66	0.983	--		1
1,2,4-Trimethylbenzene	3.65	0.200	--	17.9	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	108		60-140
Bromochloromethane	104		60-140
chlorobenzene-d5	114		60-140

Project Name: 487 W. 129TH ST.
Project Number: 10825
Lab Number: L1424052
Report Date: 10/20/14

SAMPLE RESULTS

Lab ID: L1424052-05
Client ID: SV-5
Sample Location: NEW YORK, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 10/18/14 03:38
Analyst: RY

Date Collected: 10/08/14 11:52
Date Received: 10/09/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.232	0.200	--	1.15	0.989	--		1
Chloromethane	0.515	0.200	--	1.06	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	12.7	0.200	--	28.1	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethyl Alcohol	8.10	2.50	--	15.3	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	60.2	1.00	--	143	2.38	--		1
Trichlorofluoromethane	0.254	0.200	--	1.43	1.12	--		1
iso-Propyl Alcohol	1.02	0.500	--	2.51	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
tert-Butyl Alcohol	1.98	0.500	--	6.00	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	5.41	0.200	--	16.8	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	7.02	0.200	--	20.7	0.590	--		1
cis-1,2-Dichloroethene	0.987	0.200	--	3.91	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1

Project Name: 487 W. 129TH ST. ***Lab Number:*** L1424052

Project Number: 10825 ***Report Date:*** 10/20/14

SAMPLE RESULTS

Lab ID: L1424052-05 Date Collected: 10/08/14 11:52

Client ID: SV-5 Date Received: 10/09/14

Sample Location: NEW YORK, NY Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chloroform	0.416	0.200	--	2.03	0.977	--		1
Tetrahydrofuran	0.588	0.200	--	1.73	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	12.6	0.200	--	44.4	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	5.06	0.200	--	16.2	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	3.34	0.200	--	11.5	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	0.645	0.200	--	3.47	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	18.4	0.200	--	75.4	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	20.0	0.200	--	75.4	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	2.41	0.200	--	16.3	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	5.46	0.200	--	23.7	0.869	--		1
p/m-Xylene	16.9	0.400	--	73.4	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.287	0.200	--	1.22	0.852	--		1

Project Name: 487 W. 129TH ST. ***Lab Number:*** L1424052

Project Number: 10825 ***Report Date:*** 10/20/14

SAMPLE RESULTS

Lab ID: L1424052-05 Date Collected: 10/08/14 11:52

Client ID: SV-5 Date Received: 10/09/14

Sample Location: NEW YORK, NY Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	6.26	0.200	--	27.2	0.869	--		1
4-Ethyltoluene	1.32	0.200	--	6.49	0.983	--		1
1,3,5-Trimethylbenzene	1.32	0.200	--	6.49	0.983	--		1
1,2,4-Trimethylbenzene	4.38	0.200	--	21.5	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	99		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	110		60-140

Project Name: 487 W. 129TH ST.
Project Number: 10825
Lab Number: L1424052
Report Date: 10/20/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 10/17/14 07:32

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01,04 Batch: WG731961-4								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethyl Alcohol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
iso-Propyl Alcohol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.200	--	ND	0.434	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name: 487 W. 129TH ST.
Project Number: 10825
Lab Number: L1424052
Report Date: 10/20/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 10/17/14 07:32

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01,04 Batch: WG731961-4								
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Isopropyl Ether	ND	0.200	--	ND	0.836	--		1
Ethyl-Tert-Butyl-Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Tertiary-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1

Project Name: 487 W. 129TH ST.
Project Number: 10825
Lab Number: L1424052
Report Date: 10/20/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 10/17/14 07:32

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01,04 Batch: WG731961-4								
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl Acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1

Project Name: 487 W. 129TH ST.
Project Number: 10825
Lab Number: L1424052
Report Date: 10/20/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 10/17/14 07:32

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01,04 Batch: WG731961-4								
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane (C9)	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
o-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
p-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane (C10)	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane (C12)	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1

Project Name: 487 W. 129TH ST.
Project Number: 10825
Lab Number: L1424052
Report Date: 10/20/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 10/17/14 07:32

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01,04 Batch: WG731961-4								
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: 487 W. 129TH ST.
Project Number: 10825
Lab Number: L1424052
Report Date: 10/20/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 10/17/14 14:41

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 02-03,05 Batch: WG732233-4								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethyl Alcohol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
iso-Propyl Alcohol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.200	--	ND	0.434	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name: 487 W. 129TH ST.
Project Number: 10825
Lab Number: L1424052
Report Date: 10/20/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 10/17/14 14:41

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 02-03,05 Batch: WG732233-4								
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Isopropyl Ether	ND	0.200	--	ND	0.836	--		1
Ethyl-Tert-Butyl-Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Tertiary-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1

Project Name: 487 W. 129TH ST.
Project Number: 10825
Lab Number: L1424052
Report Date: 10/20/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 10/17/14 14:41

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 02-03,05 Batch: WG732233-4								
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl Acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1

Project Name: 487 W. 129TH ST.
Project Number: 10825
Lab Number: L1424052
Report Date: 10/20/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 10/17/14 14:41

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 02-03,05 Batch: WG732233-4								
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane (C9)	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
o-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
p-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane (C10)	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane (C12)	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1

Project Name: 487 W. 129TH ST.
Project Number: 10825
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Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 10/17/14 14:41

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 02-03,05 Batch: WG732233-4								
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Lab Control Sample Analysis

Batch Quality Control

Project Name: 487 W. 129TH ST.

Project Number: 10825

Lab Number: L1424052

Report Date: 10/20/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01,04 Batch: WG731961-3								
Chlorodifluoromethane	82		-		70-130	-		
Propylene	94		-		70-130	-		
Propane	85		-		70-130	-		
Dichlorodifluoromethane	85		-		70-130	-		
Chloromethane	99		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	99		-		70-130	-		
Methanol	96		-		70-130	-		
Vinyl chloride	97		-		70-130	-		
1,3-Butadiene	100		-		70-130	-		
Butane	94		-		70-130	-		
Bromomethane	96		-		70-130	-		
Chloroethane	98		-		70-130	-		
Ethyl Alcohol	109		-		70-130	-		
Dichlorofluoromethane	89		-		70-130	-		
Vinyl bromide	92		-		70-130	-		
Acrolein	93		-		70-130	-		
Acetone	109		-		70-130	-		
Acetonitrile	104		-		70-130	-		
Trichlorofluoromethane	95		-		70-130	-		
iso-Propyl Alcohol	111		-		70-130	-		
Acrylonitrile	95		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 487 W. 129TH ST.

Project Number: 10825

Lab Number: L1424052

Report Date: 10/20/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01,04 Batch: WG731961-3								
Pentane	93		-		70-130	-		
Ethyl ether	100		-		70-130	-		
1,1-Dichloroethene	96		-		70-130	-		
tert-Butyl Alcohol	97		-		70-130	-		
Methylene chloride	106		-		70-130	-		
3-Chloropropene	105		-		70-130	-		
Carbon disulfide	96		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	95		-		70-130	-		
trans-1,2-Dichloroethene	88		-		70-130	-		
1,1-Dichloroethane	99		-		70-130	-		
Methyl tert butyl ether	94		-		70-130	-		
Vinyl acetate	**146**	Q	-		70-130	-		
2-Butanone	96		-		70-130	-		
cis-1,2-Dichloroethene	91		-		70-130	-		
Ethyl Acetate	98		-		70-130	-		
Chloroform	91		-		70-130	-		
Tetrahydrofuran	97		-		70-130	-		
2,2-Dichloropropane	88		-		70-130	-		
1,2-Dichloroethane	90		-		70-130	-		
n-Hexane	100		-		70-130	-		
Isopropyl Ether	89		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 487 W. 129TH ST.

Project Number: 10825

Lab Number: L1424052

Report Date: 10/20/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01,04 Batch: WG731961-3								
Ethyl-Tert-Butyl-Ether	93		-		70-130	-		
1,1,1-Trichloroethane	112		-		70-130	-		
1,1-Dichloropropene	91		-		70-130	-		
Benzene	95		-		70-130	-		
Carbon tetrachloride	113		-		70-130	-		
Cyclohexane	99		-		70-130	-		
Tertiary-Amyl Methyl Ether	90		-		70-130	-		
Dibromomethane	94		-		70-130	-		
1,2-Dichloropropane	106		-		70-130	-		
Bromodichloromethane	108		-		70-130	-		
1,4-Dioxane	101		-		70-130	-		
Trichloroethene	100		-		70-130	-		
2,2,4-Trimethylpentane	102		-		70-130	-		
Methyl methacrylate	112		-		70-130	-		
Heptane	107		-		70-130	-		
cis-1,3-Dichloropropene	106		-		70-130	-		
4-Methyl-2-pentanone	118		-		70-130	-		
trans-1,3-Dichloropropene	101		-		70-130	-		
1,1,2-Trichloroethane	106		-		70-130	-		
Toluene	94		-		70-130	-		
1,3-Dichloropropane	91		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 487 W. 129TH ST.

Project Number: 10825

Lab Number: L1424052

Report Date: 10/20/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01,04 Batch: WG731961-3								
2-Hexanone	123		-		70-130	-		
Dibromochloromethane	108		-		70-130	-		
1,2-Dibromoethane	100		-		70-130	-		
Butyl Acetate	97		-		70-130	-		
Octane	84		-		70-130	-		
Tetrachloroethene	94		-		70-130	-		
1,1,1,2-Tetrachloroethane	97		-		70-130	-		
Chlorobenzene	98		-		70-130	-		
Ethylbenzene	96		-		70-130	-		
p/m-Xylene	98		-		70-130	-		
Bromoform	111		-		70-130	-		
Styrene	96		-		70-130	-		
1,1,2,2-Tetrachloroethane	108		-		70-130	-		
o-Xylene	100		-		70-130	-		
1,2,3-Trichloropropane	91		-		70-130	-		
Nonane (C9)	99		-		70-130	-		
Isopropylbenzene	94		-		70-130	-		
Bromobenzene	90		-		70-130	-		
o-Chlorotoluene	93		-		70-130	-		
n-Propylbenzene	96		-		70-130	-		
p-Chlorotoluene	94		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 487 W. 129TH ST.

Project Number: 10825

Lab Number: L1424052

Report Date: 10/20/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01,04 Batch: WG731961-3								
4-Ethyltoluene	97		-		70-130	-		
1,3,5-Trimethylbenzene	100		-		70-130	-		
tert-Butylbenzene	98		-		70-130	-		
1,2,4-Trimethylbenzene	110		-		70-130	-		
Decane (C10)	101		-		70-130	-		
Benzyl chloride	**131**	Q	-		70-130	-		
1,3-Dichlorobenzene	107		-		70-130	-		
1,4-Dichlorobenzene	105		-		70-130	-		
sec-Butylbenzene	98		-		70-130	-		
p-Isopropyltoluene	91		-		70-130	-		
1,2-Dichlorobenzene	105		-		70-130	-		
n-Butylbenzene	103		-		70-130	-		
1,2-Dibromo-3-chloropropane	108		-		70-130	-		
Undecane	112		-		70-130	-		
Dodecane (C12)	129		-		70-130	-		
1,2,4-Trichlorobenzene	117		-		70-130	-		
Naphthalene	111		-		70-130	-		
1,2,3-Trichlorobenzene	110		-		70-130	-		
Hexachlorobutadiene	112		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 487 W. 129TH ST.

Project Number: 10825

Lab Number: L1424052

Report Date: 10/20/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 02-03,05 Batch: WG732233-3								
Chlorodifluoromethane	92		-		70-130	-		
Propylene	103		-		70-130	-		
Propane	81		-		70-130	-		
Dichlorodifluoromethane	95		-		70-130	-		
Chloromethane	90		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	96		-		70-130	-		
Methanol	80		-		70-130	-		
Vinyl chloride	89		-		70-130	-		
1,3-Butadiene	94		-		70-130	-		
Butane	79		-		70-130	-		
Bromomethane	87		-		70-130	-		
Chloroethane	86		-		70-130	-		
Ethyl Alcohol	92		-		70-130	-		
Dichlorofluoromethane	84		-		70-130	-		
Vinyl bromide	85		-		70-130	-		
Acrolein	86		-		70-130	-		
Acetone	95		-		70-130	-		
Acetonitrile	81		-		70-130	-		
Trichlorofluoromethane	95		-		70-130	-		
iso-Propyl Alcohol	85		-		70-130	-		
Acrylonitrile	86		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 487 W. 129TH ST.

Project Number: 10825

Lab Number: L1424052

Report Date: 10/20/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 02-03,05 Batch: WG732233-3								
Pentane	78		-		70-130	-		
Ethyl ether	81		-		70-130	-		
1,1-Dichloroethene	90		-		70-130	-		
tert-Butyl Alcohol	82		-		70-130	-		
Methylene chloride	90		-		70-130	-		
3-Chloropropene	90		-		70-130	-		
Carbon disulfide	83		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	89		-		70-130	-		
trans-1,2-Dichloroethene	86		-		70-130	-		
1,1-Dichloroethane	94		-		70-130	-		
Methyl tert butyl ether	88		-		70-130	-		
Vinyl acetate	106		-		70-130	-		
2-Butanone	95		-		70-130	-		
cis-1,2-Dichloroethene	101		-		70-130	-		
Ethyl Acetate	99		-		70-130	-		
Chloroform	98		-		70-130	-		
Tetrahydrofuran	87		-		70-130	-		
2,2-Dichloropropane	83		-		70-130	-		
1,2-Dichloroethane	95		-		70-130	-		
n-Hexane	94		-		70-130	-		
Isopropyl Ether	87		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 487 W. 129TH ST.
Project Number: 10825

Lab Number: L1424052
Report Date: 10/20/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 02-03,05 Batch: WG732233-3								
Ethyl-Tert-Butyl-Ether	84		-		70-130	-		
1,1,1-Trichloroethane	97		-		70-130	-		
1,1-Dichloropropene	89		-		70-130	-		
Benzene	92		-		70-130	-		
Carbon tetrachloride	99		-		70-130	-		
Cyclohexane	93		-		70-130	-		
Tertiary-Amyl Methyl Ether	82		-		70-130	-		
Dibromomethane	95		-		70-130	-		
1,2-Dichloropropane	100		-		70-130	-		
Bromodichloromethane	101		-		70-130	-		
1,4-Dioxane	92		-		70-130	-		
Trichloroethene	96		-		70-130	-		
2,2,4-Trimethylpentane	95		-		70-130	-		
Methyl methacrylate	93		-		70-130	-		
Heptane	94		-		70-130	-		
cis-1,3-Dichloropropene	104		-		70-130	-		
4-Methyl-2-pentanone	102		-		70-130	-		
trans-1,3-Dichloropropene	89		-		70-130	-		
1,1,2-Trichloroethane	100		-		70-130	-		
Toluene	92		-		70-130	-		
1,3-Dichloropropane	89		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 487 W. 129TH ST.

Project Number: 10825

Lab Number: L1424052

Report Date: 10/20/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 02-03,05 Batch: WG732233-3								
2-Hexanone	101		-		70-130	-		
Dibromochloromethane	99		-		70-130	-		
1,2-Dibromoethane	97		-		70-130	-		
Butyl Acetate	92		-		70-130	-		
Octane	83		-		70-130	-		
Tetrachloroethene	94		-		70-130	-		
1,1,1,2-Tetrachloroethane	88		-		70-130	-		
Chlorobenzene	94		-		70-130	-		
Ethylbenzene	94		-		70-130	-		
p/m-Xylene	94		-		70-130	-		
Bromoform	102		-		70-130	-		
Styrene	97		-		70-130	-		
1,1,2,2-Tetrachloroethane	104		-		70-130	-		
o-Xylene	98		-		70-130	-		
1,2,3-Trichloropropane	90		-		70-130	-		
Nonane (C9)	90		-		70-130	-		
Isopropylbenzene	92		-		70-130	-		
Bromobenzene	90		-		70-130	-		
o-Chlorotoluene	87		-		70-130	-		
n-Propylbenzene	91		-		70-130	-		
p-Chlorotoluene	88		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 487 W. 129TH ST.

Project Number: 10825

Lab Number: L1424052

Report Date: 10/20/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 02-03,05 Batch: WG732233-3								
4-Ethyltoluene	94		-		70-130	-		
1,3,5-Trimethylbenzene	94		-		70-130	-		
tert-Butylbenzene	90		-		70-130	-		
1,2,4-Trimethylbenzene	100		-		70-130	-		
Decane (C10)	93		-		70-130	-		
Benzyl chloride	99		-		70-130	-		
1,3-Dichlorobenzene	99		-		70-130	-		
1,4-Dichlorobenzene	98		-		70-130	-		
sec-Butylbenzene	92		-		70-130	-		
p-Isopropyltoluene	84		-		70-130	-		
1,2-Dichlorobenzene	98		-		70-130	-		
n-Butylbenzene	98		-		70-130	-		
1,2-Dibromo-3-chloropropane	98		-		70-130	-		
Undecane	102		-		70-130	-		
Dodecane (C12)	125		-		70-130	-		
1,2,4-Trichlorobenzene	111		-		70-130	-		
Naphthalene	109		-		70-130	-		
1,2,3-Trichlorobenzene	112		-		70-130	-		
Hexachlorobutadiene	105		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: 487 W. 129TH ST.
Project Number: 10825

Lab Number: L1424052
Report Date: 10/20/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01,04 QC Batch ID: WG731961-5 QC Sample: L1424052-04 Client ID: SV-4						
Dichlorodifluoromethane	0.258	0.367	ppbV	**35**	Q	25
Chloromethane	2.19	2.61	ppbV	18		25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ND	ppbV	NC		25
Vinyl chloride	0.343	0.450	ppbV	**27**	Q	25
1,3-Butadiene	0.705	0.853	ppbV	19		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethyl Alcohol	3.74	3.90	ppbV	4		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	58.9	64.5	ppbV	9		25
Trichlorofluoromethane	ND	0.218	ppbV	NC		25
iso-Propyl Alcohol	0.720	0.825	ppbV	14		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
tert-Butyl Alcohol	0.784	0.879	ppbV	11		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	2.13	2.27	ppbV	6		25
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 487 W. 129TH ST.
Project Number: 10825

Lab Number: L1424052
Report Date: 10/20/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01,04 QC Batch ID: WG731961-5 QC Sample: L1424052-04 Client ID: SV-4					
1,1-Dichloroethane	ND	ND	ppbV	NC	25
Methyl tert butyl ether	ND	ND	ppbV	NC	25
2-Butanone	2.70	2.81	ppbV	4	25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC	25
Ethyl Acetate	ND	ND	ppbV	NC	25
Chloroform	0.281	0.296	ppbV	5	25
Tetrahydrofuran	ND	ND	ppbV	NC	25
1,2-Dichloroethane	ND	ND	ppbV	NC	25
n-Hexane	3.98	4.02	ppbV	1	25
1,1,1-Trichloroethane	ND	ND	ppbV	NC	25
Benzene	1.63	1.62	ppbV	1	25
Carbon tetrachloride	ND	ND	ppbV	NC	25
Cyclohexane	0.940	0.960	ppbV	2	25
1,2-Dichloropropane	ND	ND	ppbV	NC	25
Bromodichloromethane	ND	ND	ppbV	NC	25
1,4-Dioxane	ND	ND	ppbV	NC	25
Trichloroethene	ND	ND	ppbV	NC	25
2,2,4-Trimethylpentane	0.805	0.813	ppbV	1	25
Heptane	4.37	4.13	ppbV	6	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 487 W. 129TH ST.
Project Number: 10825

Lab Number: L1424052
Report Date: 10/20/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01,04 QC Batch ID: WG731961-5 QC Sample: L1424052-04 Client ID: SV-4					
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
4-Methyl-2-pentanone	ND	ND	ppbV	NC	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
1,1,2-Trichloroethane	ND	ND	ppbV	NC	25
Toluene	16.2	16.5	ppbV	2	25
2-Hexanone	ND	ND	ppbV	NC	25
Dibromochloromethane	ND	ND	ppbV	NC	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
Tetrachloroethene	ND	ND	ppbV	NC	25
Chlorobenzene	ND	ND	ppbV	NC	25
Ethylbenzene	3.69	3.83	ppbV	4	25
p/m-Xylene	13.2	13.5	ppbV	2	25
Bromoform	ND	ND	ppbV	NC	25
Styrene	ND	ND	ppbV	NC	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25
o-Xylene	4.73	4.90	ppbV	4	25
4-Ethyltoluene	1.13	1.17	ppbV	3	25
1,3,5-Trimethylbenzene	0.947	0.984	ppbV	4	25
1,2,4-Trimethylbenzene	3.65	3.78	ppbV	3	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 487 W. 129TH ST.
Project Number: 10825

Lab Number: L1424052
Report Date: 10/20/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01,04 QC Batch ID: WG731961-5 QC Sample: L1424052-04 Client ID: SV-4					
Benzyl chloride	ND	ND	ppbV	NC	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC	25
Hexachlorobutadiene	ND	ND	ppbV	NC	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 487 W. 129TH ST.
Project Number: 10825

Lab Number: L1424052
Report Date: 10/20/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 02-03,05 QC Batch ID: WG732233-5 QC Sample: L1424274-01 Client ID: DUP Sample					
Dichlorodifluoromethane	ND	ND	ppbV	NC	25
Chloromethane	ND	ND	ppbV	NC	25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ND	ppbV	NC	25
Vinyl chloride	ND	ND	ppbV	NC	25
1,3-Butadiene	2.34	2.02	ppbV	15	25
Bromomethane	ND	ND	ppbV	NC	25
Chloroethane	ND	ND	ppbV	NC	25
Ethyl Alcohol	68.3	58.8	ppbV	15	25
Vinyl bromide	ND	ND	ppbV	NC	25
Acetone	764	681	ppbV	11	25
Trichlorofluoromethane	ND	ND	ppbV	NC	25
iso-Propyl Alcohol	ND	ND	ppbV	NC	25
1,1-Dichloroethene	ND	ND	ppbV	NC	25
tert-Butyl Alcohol	ND	ND	ppbV	NC	25
Methylene chloride	ND	ND	ppbV	NC	25
3-Chloropropene	ND	ND	ppbV	NC	25
Carbon disulfide	1.48	1.34	ppbV	10	25
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ND	ppbV	NC	25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 487 W. 129TH ST.
Project Number: 10825

Lab Number: L1424052
Report Date: 10/20/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 02-03,05 QC Batch ID: WG732233-5 QC Sample: L1424274-01 Client ID: DUP Sample					
1,1-Dichloroethane	ND	ND	ppbV	NC	25
Methyl tert butyl ether	ND	ND	ppbV	NC	25
2-Butanone	5.38	4.86	ppbV	10	25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC	25
Ethyl Acetate	ND	ND	ppbV	NC	25
Chloroform	ND	ND	ppbV	NC	25
Tetrahydrofuran	ND	ND	ppbV	NC	25
1,2-Dichloroethane	ND	ND	ppbV	NC	25
n-Hexane	18.1	16.3	ppbV	10	25
1,1,1-Trichloroethane	ND	ND	ppbV	NC	25
Benzene	9.96	9.12	ppbV	9	25
Carbon tetrachloride	ND	ND	ppbV	NC	25
Cyclohexane	468	428	ppbV	9	25
1,2-Dichloropropane	ND	ND	ppbV	NC	25
Bromodichloromethane	ND	ND	ppbV	NC	25
1,4-Dioxane	ND	ND	ppbV	NC	25
Trichloroethene	ND	ND	ppbV	NC	25
2,2,4-Trimethylpentane	6.90	6.24	ppbV	10	25
Heptane	7.38	6.79	ppbV	8	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 487 W. 129TH ST.
Project Number: 10825

Lab Number: L1424052
Report Date: 10/20/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 02-03,05 QC Batch ID: WG732233-5 QC Sample: L1424274-01 Client ID: DUP Sample					
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
4-Methyl-2-pentanone	1.62	1.60	ppbV	1	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
1,1,2-Trichloroethane	ND	ND	ppbV	NC	25
Toluene	41.4	40.4	ppbV	2	25
2-Hexanone	ND	ND	ppbV	NC	25
Dibromochloromethane	ND	ND	ppbV	NC	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
Tetrachloroethene	2.63	2.54	ppbV	3	25
Chlorobenzene	ND	ND	ppbV	NC	25
Ethylbenzene	7.68	7.38	ppbV	4	25
p/m-Xylene	34.0	33.9	ppbV	0	25
Bromoform	ND	ND	ppbV	NC	25
Styrene	ND	ND	ppbV	NC	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25
o-Xylene	17.4	17.3	ppbV	1	25
4-Ethyltoluene	ND	ND	ppbV	NC	25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC	25
1,2,4-Trimethylbenzene	2.66	2.72	ppbV	2	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 487 W. 129TH ST.
Project Number: 10825

Lab Number: L1424052
Report Date: 10/20/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 02-03,05 QC Batch ID: WG732233-5 QC Sample: L1424274-01 Client ID: DUP Sample					
Benzyl chloride	ND	ND	ppbV	NC	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC	25
Hexachlorobutadiene	ND	ND	ppbV	NC	25

Project Name: 487 W. 129TH ST.

Lab Number: L1424052

Project Number: 10825

Report Date: 10/20/14

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1424052-01	SV-1	0378	#30 SV	10/03/14	109422		-	-	-	Pass	36.5	35.5	3
L1424052-01	SV-1	610	6.0L Can	10/03/14	109422	L1421259-01	Pass	-29.8	-7.2	-	-	-	-
L1424052-02	SV-2	0014	#30 SV	10/03/14	109422		-	-	-	Pass	37.9	38.5	2
L1424052-02	SV-2	590	6.0L Can	10/03/14	109422	L1420671-04	Pass	-29.6	-5.8	-	-	-	-
L1424052-03	SV-3	0435	#30 SV	10/03/14	109422		-	-	-	Pass	37.8	40.0	6
L1424052-03	SV-3	1811	6.0L Can	10/03/14	109422	L1421259-01	Pass	-29.8	-6.5	-	-	-	-
L1424052-04	SV-4	0046	#30 SV	10/03/14	109422		-	-	-	Pass	37.9	39.0	3
L1424052-04	SV-4	1941	6.0L Can	10/03/14	109422	L1420671-04	Pass	-29.8	-5.2	-	-	-	-
L1424052-05	SV-5	0303	#30 SV	10/03/14	109422		-	-	-	Pass	35.0	38.5	10
L1424052-05	SV-5	1845	6.0L Can	10/03/14	109422	L1421259-01	Pass	-29.6	-6.2	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1420671
Report Date: 10/20/14

Air Canister Certification Results

Lab ID: L1420671-04
Client ID: CAN 1941 SHELF 51
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 09/10/14 20:28
Analyst: RY

Date Collected: 09/09/14 15:50
Date Received: 09/10/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.200	--	ND	0.434	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1420671
Report Date: 10/20/14

Air Canister Certification Results

Lab ID: L1420671-04
Client ID: CAN 1941 SHELF 51
Sample Location:
Date Collected: 09/09/14 15:50
Date Received: 09/10/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1420671
Report Date: 10/20/14

Air Canister Certification Results

Lab ID: L1420671-04
Client ID: CAN 1941 SHELF 51
Sample Location:
Date Collected: 09/09/14 15:50
Date Received: 09/10/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1420671
Report Date: 10/20/14

Air Canister Certification Results

Lab ID: L1420671-04
Client ID: CAN 1941 SHELF 51
Sample Location:
Date Collected: 09/09/14 15:50
Date Received: 09/10/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	**Qualifier**	**Units**	**RDL**	**Dilution Factor**
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1420671

Project Number: CANISTER QC BAT **Report Date:** 10/20/14

Air Canister Certification Results

Lab ID: L1420671-04 Date Collected: 09/09/14 15:50

Client ID: CAN 1941 SHELF 51 Date Received: 09/10/14

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	93		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1420671
Report Date: 10/20/14

Air Canister Certification Results

Lab ID: L1420671-04
Client ID: CAN 1941 SHELF 51
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 09/10/14 20:28
Analyst: RY

Date Collected: 09/09/14 15:50
Date Received: 09/10/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.050	--	ND	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	2.00	--	ND	4.75	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1420671
Report Date: 10/20/14

Air Canister Certification Results

Lab ID: L1420671-04
Client ID: CAN 1941 SHELF 51
Sample Location:
Date Collected: 09/09/14 15:50
Date Received: 09/10/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1420671

Project Number: CANISTER QC BAT **Report Date:** 10/20/14

Air Canister Certification Results

Lab ID: L1420671-04 Date Collected: 09/09/14 15:50

Client ID: CAN 1941 SHELF 51 Date Received: 09/10/14

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	95		60-140
bromochloromethane	94		60-140
chlorobenzene-d5	93		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1421259
Report Date: 10/20/14

Air Canister Certification Results

Lab ID: L1421259-01
Client ID: CAN 625 SHELF 52
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 09/17/14 17:35
Analyst: RY

Date Collected: 09/15/14 15:16
Date Received: 09/16/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.200	--	ND	0.434	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1421259
Report Date: 10/20/14

Air Canister Certification Results

Lab ID: L1421259-01
Client ID: CAN 625 SHELF 52
Sample Location:
Date Collected: 09/15/14 15:16
Date Received: 09/16/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1421259
Report Date: 10/20/14

Air Canister Certification Results

Lab ID: L1421259-01
Client ID: CAN 625 SHELF 52
Sample Location:
Date Collected: 09/15/14 15:16
Date Received: 09/16/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1421259

Project Number: CANISTER QC BAT **Report Date:** 10/20/14

Air Canister Certification Results

Lab ID: L1421259-01 Date Collected: 09/15/14 15:16

Client ID: CAN 625 SHELF 52 Date Received: 09/16/14

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	**Qualifier**	**Units**	**RDL**	**Dilution Factor**
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	97		60-140
Bromochloromethane	108		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1421259
Report Date: 10/20/14

Air Canister Certification Results

Lab ID: L1421259-01
Client ID: CAN 625 SHELF 52
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 09/16/14 14:51
Analyst: RY

Date Collected: 09/15/14 15:16
Date Received: 09/16/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.050	--	ND	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	2.00	--	ND	4.75	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1421259

Project Number: CANISTER QC BAT **Report Date:** 10/20/14

Air Canister Certification Results

Lab ID: L1421259-01 Date Collected: 09/15/14 15:16

Client ID: CAN 625 SHELF 52 Date Received: 09/16/14

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1421259
Report Date: 10/20/14

Air Canister Certification Results

Lab ID: L1421259-01
Client ID: CAN 625 SHELF 52
Sample Location:
Date Collected: 09/15/14 15:16
Date Received: 09/16/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	84		60-140
bromochloromethane	83		60-140
chlorobenzene-d5	82		60-140

Project Name: 487 W. 129TH ST.
Project Number: 10825

Lab Number: L1424052
Report Date: 10/20/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information **Custody Seal**
Cooler
N/A Present/Intact

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1424052-01A	Canister - 6 Liter	N/A	NA		Y	Present/Intact	TO15-LL(30)
L1424052-02A	Canister - 6 Liter	N/A	NA		Y	Present/Intact	TO15-LL(30)
L1424052-03A	Canister - 6 Liter	N/A	NA		Y	Present/Intact	TO15-LL(30)
L1424052-04A	Canister - 6 Liter	N/A	NA		Y	Present/Intact	TO15-LL(30)
L1424052-05A	Canister - 6 Liter	N/A	NA		Y	Present/Intact	TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name:	487 W. 129TH ST.	**Lab Number:**	L1424052
Project Number:	10825	**Report Date:**	10/20/14

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

Report Format: Data Usability Report

Project Name:	487 W. 129TH ST.	**Lab Number:**	L1424052
Project Number:	10825	**Report Date:**	10/20/14

Data Qualifiers

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name:	487 W. 129TH ST.	**Lab Number:**	L1424052
Project Number:	10825	**Report Date:**	10/20/14

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

Last revised April 15, 2014

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #: L1424052

Client Information

Client: Asya Bychkov / AKRF, Inc
Address: 440 Park Ave South 7th Fl
NY NY 10016
Phone: 646-388-9533
Fax: 212-726-0941
Email: abychkov@akrf.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 487 W. 129th St.
Project Location: New York, NY
Project #: 10825
Project Manager: Asya Bychkov
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH *(only confirmed if pre-approved!)*

Date Due: **Time:**

Report Information - Data Deliverables

☐ FAX
☒ ADEx
Criteria Checker: _____
(Default based on Regulatory Criteria Indicated)
Other Formats: _____
☐ EMAIL (standard pdf report)
☐ Additional Deliverables:

Report to: (if different than Project Manager)

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria

Other Project Specific Requirements/Comments:

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	ANALYSIS TO-14A by TO-15	TO-15	TO-15 SIM	APH	FIXED GASES	TO-13A	TO-4 / TO-10	Sample Comments (i.e. PID)
24052.01	SV-1	10/08/14	12:11	14:18	29.65	6.96	SV	JBS	6L	610	0378		X						
02	SV-2	10/07/14	13:33	15:39	30.28	6.14	SV	JBS		590	0014		X						
03	SV-3	10/08/14	11:18	13:20	29.95	6.69	SV	JBS		1811	0435		X						
04	SV-4	10/08/14	11:41	13:50	29.85	5.32	SV	JBS		1941	0046		X						
05	SV-5	10/08/14	09:48	11:52	30.14	6.41	SV	JBS	↓	1845	0303		X						

*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time:
	10/09/14 11:15	AASL	10/9/14 11:15
	10/9/14 15:10		10/9/14 15:10
	10/10/14 02:00		10/10/14 02:00

Form No: 101-02 (19-Jun-09)

APPENDIX E

PROPOSED DEVELOPMENT PLANS

PROPOSED NEW DEVELOPMENT FOR:
W. 129TH STREET
487 WEST 129TH STREET NEW YORK, NEW YORK
BUILDING "A"

DRAWING SCHEDULE

ARCHITECTURAL

T-001	COVER SHEET
C-001	SURVEY
C-002	SCHEMATIC SITE PLAN
C-003	PARKING PLAN
Z-001	ZONING ANALYSIS
Z-002	ZONING ANALYSIS
EN-001	ENERGY ANALYSIS
A-001	GENERAL NOTES
A-002	ACCESSIBILITY DIAGRAMS
A-003	ACCESSIBILITY DIAGRAMS
A-004	EGRESS PLANS
A-100	CELLAR FLOOR PLAN
A-101	FIRST FLOOR PLAN
A-102	2ND FLOOR PLAN
A-103	3RD THRU 7TH FLOOR PLAN
A-104	8TH & 9TH FLOOR PLAN
A-105	ROOF & BULKHEAD PLAN
A-200	FRONT ELEVATION
A-201	REAR ELEVATION
A-202	SIDE ELEVATION - EAST
A-203	SIDE ELEVATION - WEST
A-210	BUILDING CROSS SECTION A
A-211	BUILDING CROSS SECTION B
A-212	RAMP SECTION
A-400	TYPICAL WALL SECTION
A-401	TYPICAL WALL SECTION
A-510	KITCHEN ELEVATIONS AND DETAILS
A-511	BATHROOM ELEVATIONS & DETAILS
A-512	MISCELLANEOUS INTERIOR DETAILS
A-600	DOOR, FINISH, & LOUVER SCHEDULE
A-601	WINDOW SCHEDULE

DRAWING SCHEDULE

MECHANICAL

M-101	MECHANICAL CELLAR FLOOR PLAN
M-102	MECHANICAL 1ST FLOOR PLAN
M-103	MECHANICAL 2ND FLOOR PLAN
M-104	MECHANICAL 3RD-7TH FLOOR PLAN
M-105	MECHANICAL 8TH FLOOR PLAN
M-106	MECHANICAL 9TH FLOOR PLAN
M-107	MECHANICAL ROOF PLAN
M-108	MECHANICAL ROOF BULKHEAD PLAN
M-201	MECHANICAL SCHEDULES AND NOTES
M-202	MECHANICAL SCHEDULES AND NOTES
M-203	MECHANICAL DETAILS
M-204	MECHANICAL DETAILS
M-205	MECHANICAL DETAILS
M-301	MECHANICAL RISERS
M-302	MECHANICAL RISERS

PLUMBING

P-101	PLUMBING CELLAR FLOOR PLAN
P-102	PLUMBING 1ST FLOOR PLAN
P-103	PLUMBING 2ND FLOOR PLAN
P-104	PLUMBING 3RD-7TH FLOOR PLAN
P-105	PLUMBING 8TH FLOOR PLAN
P-106	PLUMBING 9TH FLOOR PLAN
P-107	PLUMBING ROOF PLAN
P-108	PLUMBING BULKHEAD
P-201	PLUMBING NOTES AND SCHEDULE
P-202	PLUMBING DETAILS
P-203	PLUMBING DETAILS
P-204	PLUMBING DETAILS
P-205	PLUMBING NOTES AND SCHEDULE
P-301	PLUMBING RISER DIAGRAM
P-302	PLUMBING RISER DIAGRAM
P-303	PLUMBING RISER DIAGRAM
P-304	PLUMBING RISER DIAGRAM
P-305	PLUMBING RISER DIAGRAM

SPRINKLER

SP-101	SPRINKLER CELLAR FLOOR PLAN
SP-102	SPRINLKER 1ST FLOOR PLAN
SP-103	SPRINKLER 2ND FLOOR PLAN
SP-104	SPRINKLER 3RD-7TH FLOOR PLAN
SP-105	SPRINKLER 8TH FLOOR PLAN
SP-106	SPRINKLER 9TH FLOOR PLAN
SP-107	SPRINKLER ROOF PLAN
SP-201	SPRINKLER NOTES AND DETAILS
SP-202	SPRINKLER DETAILS
SP-203	SPRINKLER DETAILS
SP-301	SPRINKLER RISER DIAGRAM

STRUCTURAL

F0-001	FOUNDATION PLAN
F0-101	FOUNDATION DETAILS
F0-102	FOUNDATION DETAILS
F0-103	FOUNDATION DETAILS
F0-104	FOUNDATION DETAILS
S-001	1ST FLOOR FRAMING PLAN
S-001.1	CONNECTED PARKING LEVEL
S-002	2ND FLOOR FRAMING PLAN
S-003	3RD FLOOR FRAMING PLAN
S-004	4TH-7TH FLOOR FRAMING PLAN
S-005	8TH FLOOR FRAMING PLAN
S-006	9TH FLOOR FRAMING PLAN
S-007	ROOF FRAMING PLAN
S-101	MASONRY DETAILS AND NOTES
S-102	MASONRY DETAILS AND NOTES
S-201	STEEL DETAILS AND NOTES
S-301	PLANK DETAILS AND NOTES
S-302	PLANK DETAILS AND NOTES
S-303	PLANK DETAILS AND NOTES

APARTMENT DISTRIBUTION

BUILDING A					
	0BR.	1BR.	2BR.	3BR.	T.
1ST FLOOR	4	1	1	0	6
2ND FLOOR	4	2	2	0	8
3RD FLOOR	5	2	2	0	9
4TH FLOOR	5	2	2	0	9
5TH FLOOR	5	2	2	0	9
6TH FLOOR	5	2	2	0	9
7TH FLOOR	5	2	2	0	9
8TH FLOOR	0	2	3	0	5
9TH FLOOR	0	2	3	0	5
TOTAL	33	17	19	0	69
	48%	**25%**	**28%**	**0%**	**100%**

SPECIAL/PROGRESS INSPECTIONS:

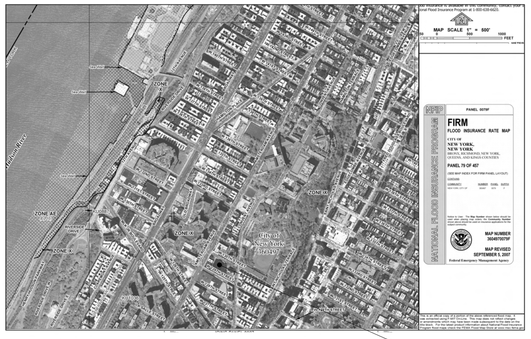
TEST INSPECTIONS SHALL BE IN ACCORDANCE WITH THE APPLICABLE BUILDING CODE SECTIONS. SIGNED COPIES OF ALL TESTS AND INSPECTIONS REPORTS SHALL BE FILED WITH THE DEPARTMENT OF BUILDINGS THROUGH THE APPLICANT.

THE FOLLOWING ITEMS OF WORK SHALL BE SUBJECT TO INSPECTIONS/ TESTS:

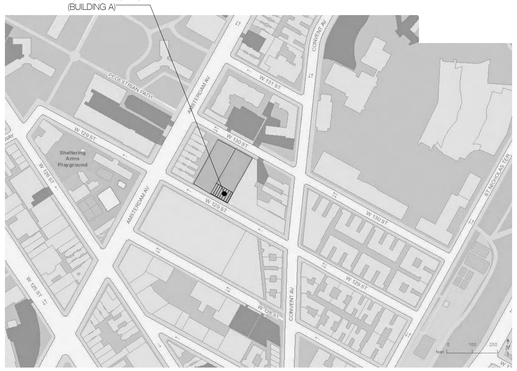
2008 CODE SPECIAL INSPECTIONS		REQ'D YES/NO
SPRAYED FIRE-RESISTANT MATERIALS	BC 1704.11	YES
EXTERIOR INSULATION FINISH SYSTEMS (EIFS)	BC 1704.12	YES
FIRESTOP, DRAFTSTOP, AND FIREBLOCK SYSTEMS	BC 1704.25	YES
2008 CODE PROGRESS INSPECTIONS		
ENERGY CODE COMPLIANCE INSPECTIONS	BC 109.3.5	YES
FIRE-RESISTANCE RATED CONSTRUCTION	BC 109.3.4	YES
TR-8 INSPECTIONS		
PROTECTION OF FOUNDATION INSULATION	1RCNY 5000-01/TABLE1	YES
INSULATION PLACEMENT AND R VALUES	1RCNY 5000-01/TABLE1	YES
FENESTRATION THERMAL VALUES AND RATINGS	1RCNY 5000-01/TABLE1	YES
FENESTRATION RATINGS FOR AIR LEAKAGE	1RCNY 5000-01/TABLE1	YES
FENESTRATION AREAS	1RCNY 5000-01/TABLE1	YES
AIR SEALING AND INSULATION- VISUAL	1RCNY 5000-01/TABLE1	YES
AIR SEALING AND INSULATION-TESTING	1RCNY 5000-01/TABLE1	YES
PROJECTION FACTORS	1RCNY 5000-01/TABLE1	YES
VESTIBULES	1RCNY 5000-01/TABLE1	YES

BUILDING TO BE FULLY SPRINKLERED:
SPRINKLERS BEING FILED UNDER SPRINKLER APPLICATION

ASSOCIATED APPLICATIONS	DOB #
BUILDER'S PAVEMENT PLAN	
SPRINKLER/STANDPIPE	
FIRE ALARM	
FIRE PROTECTION PLAN	
EXCAVATION/SOE	



THIS SITE DOES NOT FALL UNDER A FLOOD HAZARD AS PER FLOOD INSURANCE RATE MAP #3604970079F



VICINITY MAP
NOT TO SCALE

PROPOSED NEW DEVELOPMENT FOR:
W. 129TH STREET
487 WEST 129TH STREET
NEW YORK, NEW YORK
BLOCK: 1969 LOT: 6

ARCHITECT:
AUFGANG ARCHITECTS LLC
49 NORTH AIRMONT RD.
SUFFERN, NY
INFO@AUFGANG.COM 845.368.0004

DEVELOPER

STRUCTURAL ENGINEER:
BROOKER ENGINEERING, PLLC
76 LAFAYETTE AVENUE
SUFFERN, NEW YORK 10901
TEL. 845-357-4411
FAX. 845-357-1896

MEP ENGINEER:
DI BARI ENGINEERING P.C.
99 MAIN STREET
DOBBS FERRY, NY 10952
TEL. 914-479-9705
FAX 914-479-1234

AUFGANG ARCHITECTS

DATE	SUBMISSIONS / REVISIONS
1-15-15	ISSUED AS PER DOB COMMENTS

SHEET TITLE:

COVER SHEET

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SEAL & SIGNATURE

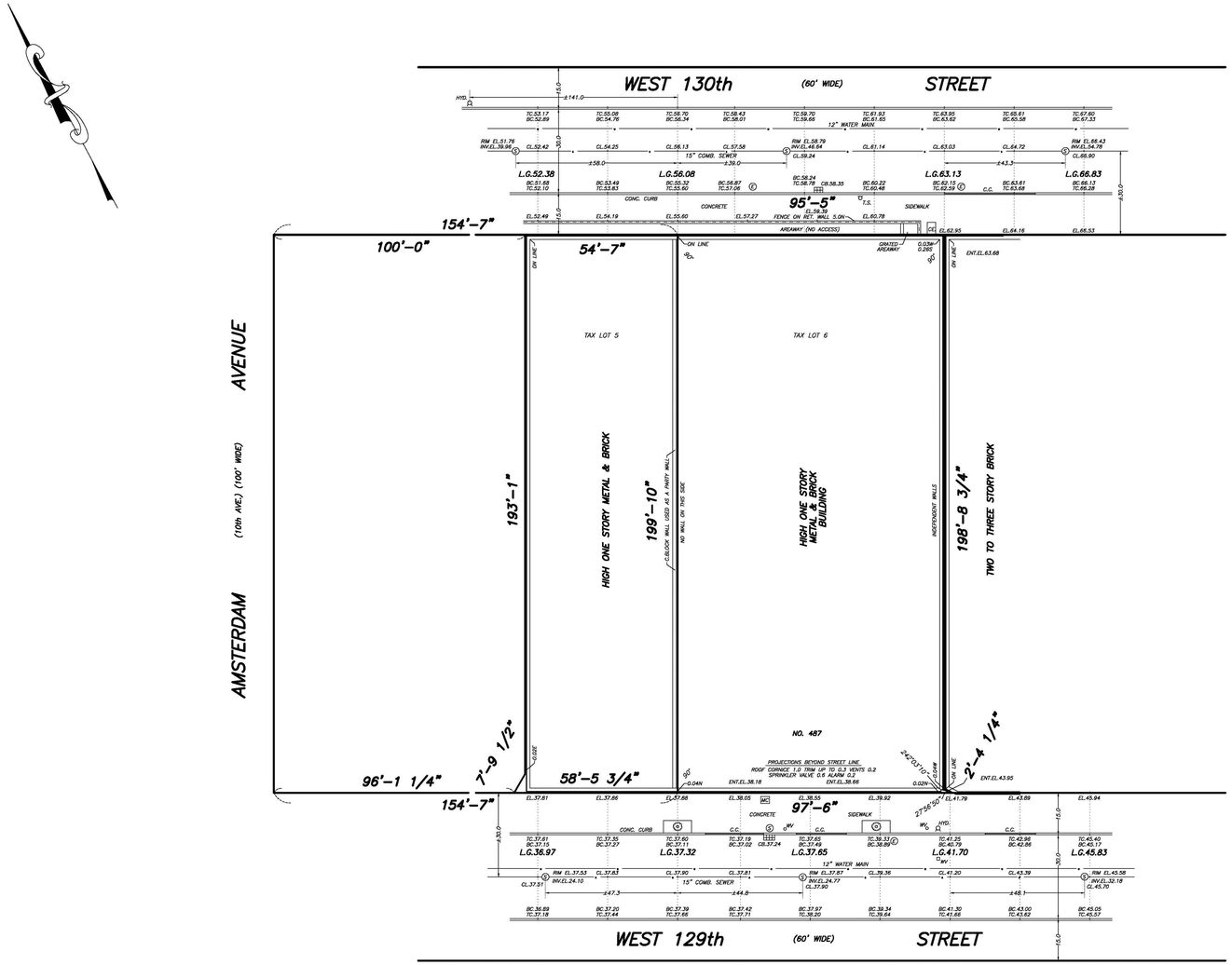
ISSUE DATE: 01/12/15
PROJECT NO: #1214
DRAWN BY: Author
CHECKED BY: Checker
SCALE: 1/8" = 1'-0"
SHEET NO: 1 OF 31

DRAWING NO:
T-001.00

NYC DOB NUMBER: 121191780

REF. NO. M1969–6

ARCHITECTURAL SURVEY



NOTES

ELEVATIONS SHOWN ARE REFERENCED TO THE N.A.V.D.88 DATUM WHICH IS 1.10 FEET ABOVE MEAN SEA LEVEL AT SANDY HOOK AS ESTABLISHED BY THE U.S. COAST AND GEODETIC SURVEY AND IS 1.65 BELOW MANHATTAN DATUM. MANHATTAN DATUM IS 2.750' ABOVE MEAN SEA LEVEL AT SANDY HOOK, AS ESTABLISHED BY THE U.S. COAST AND GEODETIC SURVEY. 10.00 (MD)=11.65 (NAVD88).

INVERT ELEVATION ARE DERIVED FROM CITY AGENCY RECORDS WHEN NOT AVAILABLE BY FIELD SURVEY.

ONLY SEWER AND WATER UTILITIES ARE SHOWN. CONSULT WITH APPROPRIATE UTILITY COMPANIES AND/OR AGENCIES PRIOR TO DESIGNING IMPROVEMENTS.

SUBSURFACE UTILITIES SHOWN ARE TAKEN FROM RECORDS OF GOVERNMENTAL AGENCIES AND UTILITY COMPANIES UNLESS OTHERWISE SHOWN.

COVER OR DEPTH OF UTILITIES IS NOT SHOWN AND MUST BE VERIFIED WITH PROPER AGENCIES PRIOR TO CONSTRUCTION OF PROJECT.

UNDERGROUND, OVERHEAD AND GROUND LEVEL UTILITIES ARE NOT GUARANTEED AS TO ACCURACY, EXACT LOCATION, TYPE OR USE, ACTIVE OR INACTIVE. VERIFICATION IS MANDATORY WITH MUNICIPAL AGENCIES, PUBLIC AND PRIVATE UTILITY COMPANIES PRIOR TO TAKING TITLE AND/OR DESIGN WORK. BOUNDARIES ARE NOT GUARANTEED UNLESS SO NOTED.

UNDERGROUND UTILITIES MUST BE VERIFIED AND MARKED OUT BEFORE CONSTRUCTION. ALL APPROPRIATE UTILITY COMPANIES AN/OR AGENCIES MUST BE NOTIFIED AT LEAST 72 HOURS PRIOR TO ANY CONSTRUCTION, EXCAVATION OR DEMOLITION AT OR NEAR THE PROPERTY IN ACCORDANCE WITH NYS CODE RULE 753.

ALL OPERATIONS OF UNDERGROUND FACILITIES AND ALL EXCAVATORS ARE OBLIGATED TO COMPLY WITH ARTICLE 36 OF THE GENERAL BUSINESS LAW AND WITH PROVISIONS OF INDUSTRIAL CODE PART (RULE NO. 53) BEFORE ANY EXCAVATION OR DEMOLITION IS COMMENCED. EVERY EXCAVATOR IS REQUIRED BY THESE LAWS TO GIVE ADVANCE NOTICE TO EVERY OPERATOR OF UNDERGROUND FACILITIES OF HIS INTENT TO PERFORM EXCAVATION OR DEMOLITION WORK IN THE SPECIFIED AREA.

EMPIRE STATE LAND SURVEYOR, P.C. AND FRANK GALLUZZO, PLS MAKES NO CLAIM AND DOES NOT GUARANTEE THAT THE SEWERS SHOWN HEREON ARE PUBLIC AND THAT THE LOT OR LOTS DEPICTED ON THIS SURVEY WILL BE ABLE TO CONNECT TO SAME.

A THOROUGH INVESTIGATION BY THE OWNER, DEVELOPER AND/OR THE ARCHITECT MUST BE MADE WITH THE NEW YORK CITY SEWER DEPARTMENT ON THE FEASIBILITY TO CONNECT TO THE EXISTING SEWER LINES BEFORE PURCHASING AND/OR DESIGNING.

THIS SURVEY WAS PREPARED IN A ELECTRONIC MEDIA FORMAT. IT IS UNDERSTOOD AND AGREED THAT EMPIRE STATE LAND SURVEYOR, P.C. AND FRANK GALLUZZO, PLS UPON RELEASE OF THESE ELECTRONIC FILES NO LONGER MAINTAINS CONTROL OF ITS USE, REUSE OR MODIFICATION. ONLY THE DIMENSIONS SHOWN ON THE HARD COPY ORIGINAL RECORD SIGNED AND SEALED DOCUMENTS PREPARED BY THIS OFFICE WILL BE CERTIFIED FOR ACCURACY. THE USER OF THIS ELECTRONIC MEDIA ACCEPTS FULL RESPONSIBILITY AND LIABILITY FOR ANY CONSEQUENCES ARISING OUT OF USE OF THIS DATA.

PROPERTY LINE DIMENSIONS SHOWN ARE DERIVED FROM DEEDS AND TAX MAPS. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF AN ABSTRACT OF TITLE AND IS SUBJECT TO ANY STATE OF FACTS THAT MAY BE REVEALED BY AN EXAMINATION OF SUCH.

THIS IS TO CERTIFY THAT THERE ARE NO VISIBLE STREAMS OR NATURAL WATER COURSES ON THE PROPERTY EXCEPT AS SHOWN ON THIS SURVEY.

THE USE OF ANY INFORMATION ON THIS SURVEY CONSTITUTES AN AGREEMENT TO ALL OF THE ABOVE.

LEGEND:

TRAFFIC LIGHT	T.L.
FIRE HYDRANT	HYD.
LIGHT POLE	
CATCH BASIN	C.B.
TREE	
UTILITY POLE	U.P.
VALVES GAS–G.V.	WATER–W.V.
OVERHEAD SERVICE WIRES	O.H.S.W.
TRAFFIC SIGN	T.S.
LEGAL GRADES	L.G.
PEDESTRIAN RAMP	P.R.
FIRE PULL BOX	F.B.
CURB AND CURB CUT	C.C.
GRAIN	GR.
PARKING METER	P.M.
TELEPHONE	TEL.
METAL COVER	MC

UNAUTHORIZED ALTERATIONS AND/OR ADDITIONS TO THIS SURVEY BEARING A LICENSED LAND SURVEYOR'S SEAL IS A VIOLATION OF SECTION 7209 OF THE NEW YORK STATE EDUCATION LAW. COPIES OF THIS SURVEY MAP NOT BEARING THE LAND SURVEYOR'S INKED OR EMBOSSED SEAL SHALL NOT BE CONSIDERED TO BE A VALID TRUE COPY. CERTIFICATIONS INDICATED HEREON SHALL RUN ONLY TO THE PERSON FOR WHOM THE SURVEY IS PREPARED, THE TITLE COMPANY, THE GOVERNMENTAL AGENCY AND THE LENDING INSTITUTION LISTED ON THIS SURVEY MAP. CERTIFICATIONS ARE NOT TRANSFERABLE TO ADDITIONAL INSTITUTIONS AND/OR SUBSEQUENT OWNERS. FENCE OFFSETS SHOWN AT FABRIC. ENCROACHMENTS OR VAULTS BELOW SURFACE ARE NOT SHOWN. RIGHT OF WAYS AND/OR EASEMENTS OF RECORD NOT SHOWN ON THIS SURVEY ARE NOT CERTIFIED. OFFSETS AND DIMENSIONS HEREON ARE FOR A SPECIFIC PURPOSE AND ARE NOT TO BE USED IN THE ERECTION OF ADDITIONAL STRUCTURES, FENCES OR OTHER IMPROVEMENTS.
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20 0 10 20 40 80

GRAPHIC SCALE 1"=20'

NO.	DATE	REVISION
2.	JANUARY 6, 2015	TAX LOT 5 ADDED
1.	JUNE 30, 2014	ARCHITECTURAL SURVEY

MAP OF PROPERTY SITUATED IN
MANHATTAN
NEW YORK COUNTY, N.Y.
TAX SECT.: 7 TAX BLOCK: 1969 TAX LOT(S): 6

SURVEYED: JUNE 5, 2014

Empire State Land Surveyor, P.C.
Frank I. Galluzzo Professional Land Surveyor
Records of Albert A. Bianco
Stephen J. Reid - M. Barry Carman - G. W. Haviland
Vandewater & Lapp - Robert E. Carlin - William J. Daly
1005 Glen Cove Avenue, Glen Head, NY, 11545
(516)-240-6901

PROPOSED NEW DEVELOPMENT FOR:

487 WEST 129TH STREET
478 WEST 130TH STREET
NEW YORK, NEW YORK

BLOCK: 1969 LOT: 5,6 &7

ARCHITECT:
AUFGANG ARCHITECTS LLC
49 NORTH AIRMONT RD.
SUFFERN, NY
INFO@AUFGANG.COM 845.368.0004

AUFGANG ARCHITECTS

DEVELOPER:
THE GEORGE OF HARLEM MM LLC
161 Suffolk St.
New York, NY 10002
Tel. 212-477-3057

STRUCTURAL ENGINEER:
BROOKER ENGINEERING, PLLC
76 Lafayette Avenue,
Suffern NY 10901
Tel. 845-357-4411
Fax. 845-357-1896

MEP ENGINEER:
DI BARI ENGINEERING P.C.
99 Main Street
Dobbs Ferry, New York 10522
Tel. 914-479-9705
Fax. 914-479-1234

DATE	SUBMISSIONS / REVISIONS
1-15-15	ISSUED AS PER DOB COMMENTS
11-03-14	ISSUED TO CLIENT FOR PRICING
09-02-14	ISSUED TO D.O.B. FOR REVIEW & COMMENT

SHEET TITLE:

SURVEY

THIS DRAWING IS AN INSTRUMENT OF SERVICE AND SHALL REMAIN THE PROPERTY OF AUFGANG ARCHITECTS LLC, WHETHER THE PROJECT FOR WHICH IT IS MADE IS EXECUTED OR NOT. THIS DRAWING SHALL NOT BE USED BY THE OWNER OR OTHERS ON OTHER PROJECTS, FOR ADDITIONS TO THIS PROJECT OR FOR COMPLETION OF THIS PROJECT BY OTHERS EXCEPT BY AGREEMENT IN WRITING WITH AUFGANG ARCHITECTS LLC. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF THE RIGHTS OF AUFGANG ARCHITECTS LLC. REPRODUCTION OR PUBLICATION BY ANY METHOD IN WHOLE OR IN PART IS PROHIBITED. TITLE TO THIS DRAWING BELONGS TO AUFGANG ARCHITECTS LLC. WITHOUT PREJUDICE.

SEAL & SIGNATURE

ISSUE DATE: 07-16-14
PROJECT NO: #1214
DRAWN BY: NJB
CHECKED BY: PC
SCALE: AS NOTED
SHEET NO: 2 of 31

DRAWING NO:

C-001.00

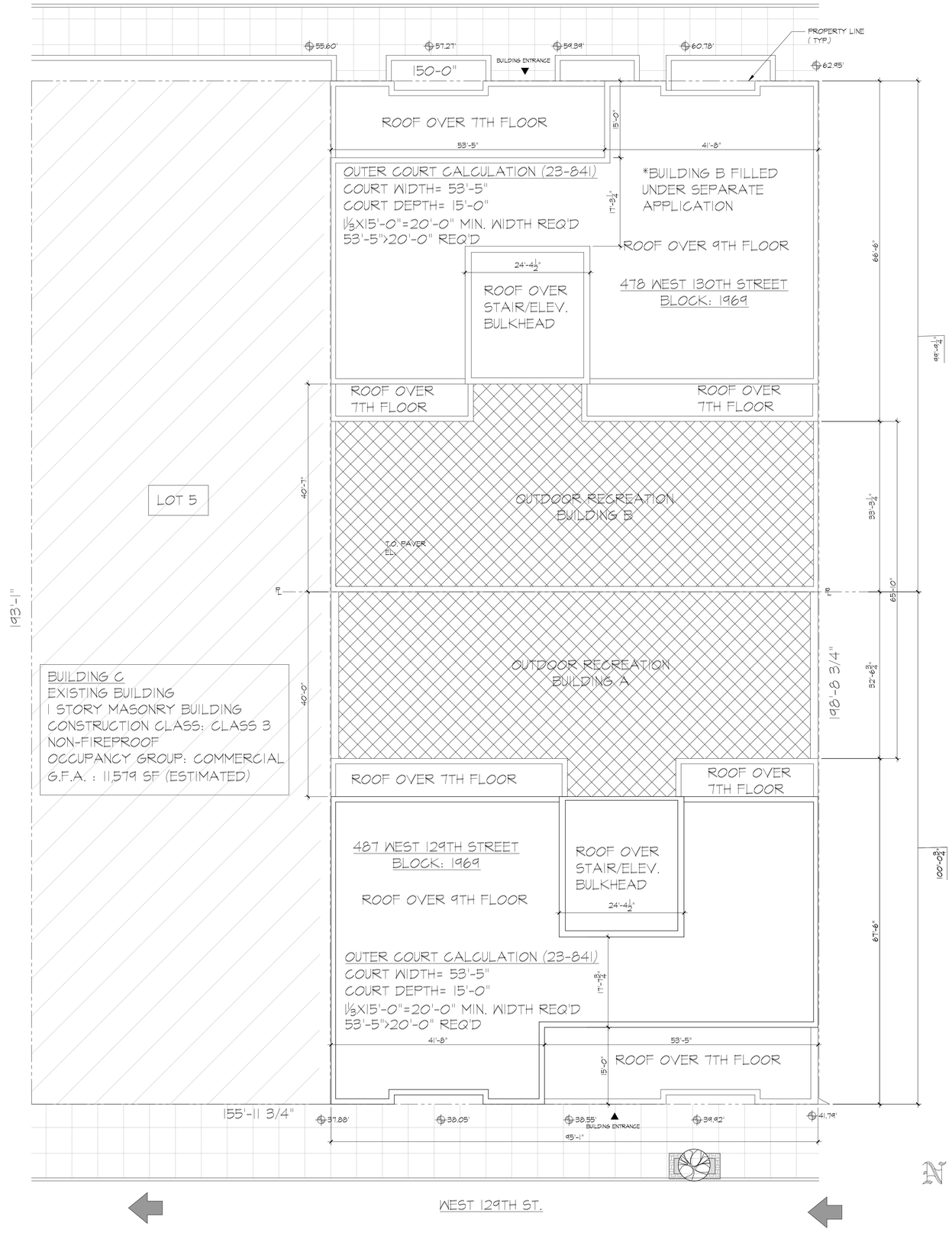
NYC DOB NUMBER: 121191780

GENERAL NOTES:

1. ALL FILL USED BELOW SLABS UNDER BUILDINGS AND IN PAVED AREAS SHALL BE QUALITY SANDY MATERIAL AND SHALL BE COMPACTED IN 12" LAYERS TO 95% DENSITY TO PREVENT SETTLEMENT AS PER ASTM D1557, METHOD C.
2. CONTRACTOR MUST ALSO FOLLOW ALL REQUIREMENTS FOR PREPARATION, CLEARING, PROOF ROLLING, AND FILL REPLACEMENT RECOMMENDED BY A REPORT ON SOIL AND FOUNDATION INVESTIGATION.
3. ALL FILL SHALL BE COMPACTED WITH SOIL COMPACTION EQUIPMENT RATHER THAN BY HAND TAMPING (EXCEPT AROUND PIPES, ETC.)
4. THE THICKNESS OF FILL LAYERS PLACED SHALL BE COMPATIBLE WITH THE TYPE OF COMPACTION EQUIPMENT USED.
5. THE ATTAINMENT OF SPECIFIED DENSITIES SHALL BE VERIFIED BY FIELD DENSITY TESTS MADE BY AN INDEPENDENT TESTING LABORATORY ON EACH LAYER OF MATERIAL COMPACTED. ONE TEST PER 5,000 SQ. FT. OF SURFACE AREA SHALL BE MADE ON EACH LAYER WITHIN THE BUILDING.

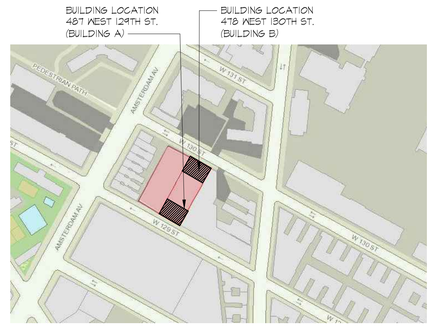
EROSION AND SEDIMENT CONTROL PLAN - CONSTRUCTION SEQUENCE

1. ALL EROSION AND SEDIMENT CONTROL MEASURES, EXCLUDING CATCH-BASIN MEASURES, SHALL BE IN PLACE PRIOR TO ANY GRADING OPERATIONS AND INSTALLATION OF PROPOSED STRUCTURES AND OR UTILITIES.
2. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL REMAIN IN PLACE AND BE MAINTAINED UNTIL CONSTRUCTION IS COMPLETED AND/OR STABILIZED.
3. INSTALL STABILIZED CONSTRUCTION ENTRANCE AS INDICATED ON PLAN.
4. INSTALL SILT FENCE AND/OR HAY BALE BARRIERS DOWN SLOPE OF ALL AREAS TO BE DISTURBED AND DOWN SLOPE OF ALL AREAS DESIGNATED FOR TOPSOIL STOCKPILING.
5. CONSTRUCT BERMS, TEMPORARY SWALES AND PIPES AS NECESSARY TO DIRECT RUNOFF TO TEMPORARY SEDIMENTATION ENTRAPMENT AREAS.
6. CLEAR EXISTING TREES, VEGETATION AND EXISTING STRUCTURES FROM AREAS TO BE FILLED OR EXCAVATED. STRIP AND STOCKPILE TOPSOIL FROM ALL AREAS TO BE DISTURBED. SEED STOCKPILED TOPSOIL WITH TEMPORARY RYE GRASS COVER.
7. PERFORM EXCAVATION AND FILL TO BRING LAND TO DESIRED GRADE. ANY DISTURBED AREAS TO REMAIN BARE SHOULD BE SEEDED WITH TEMPORARY RYE GRASS.
8. INSTALL UNDERGROUND UTILITIES, MANHOLES AND CATCH BASINS. GRATES OF CURB AND FIELD INLETS SHOULD BE LEFT AT ELEVATIONS WHICH PERMIT PROPER COLLECTION OF SURFACE RUNOFF.
9. INSTALL HAY BALE RINGS AROUND ALL CURB AND FIELD INLETS EXCEPT FOR THE BASINS LOCATED AT THE ANTI TRACKING PAD. BASINS AT THE PAD SHALL BE TREATED WITH THE CATCH BASIN-FILTER FABRIC DETAIL.
10. CONSTRUCT CURBS AND INSTALL BASE AND BINDER COURSES OF PAVED AREAS. RAISE GRATES OF CURB AND FIELD INLETS ACCORDINGLY.
11. COMPLETE FINE GRADING.
12. RAISE GRATES OF CURB AND FIELD INLETS TO FINAL ELEVATIONS. INSTALL SURFACE COURSE OF PAVEMENT.
13. UPON COMPLETION OF CONSTRUCTION, ALL DISTURBED AREAS ARE TO BE SEEDED. REFER TO LANDSCAPING PLAN FOR PERMANENT SEEDING SPECIFICATIONS. ALL TEMPORARY DEVICES SHALL BE REMOVED AND THE AFFECTED AREAS RE-GRADED, PLANTED OR TREATED IN ACCORDANCE WITH THE APPROVED SITE PLANS.



NOTE: PLEASE REFER TO THE QUALITY HOUSING CHART FOR THE RECREATION SPACE CALCULATIONS.

NOTE: PLEASE REFER TO THE SOE DRAWINGS FOR SHEETING, SHORING & UNDERPINNING DETAILS.



LOCATION PLAN
NOT TO SCALE

LEGEND:
- TRAFFIC DIRECTIONS
- EXISTING TRAFFIC SIGN
- EXISTING UTILITY POLE
- EXISTING HYDRANT
- EXISTING BUS STOP
- EXISTING ELECTRIC BOX
- EXISTING TRAFFIC LIGHTS POST
- EXISTING LIGHT POST
- BUILDING ENTRY
- RESIDENTIAL EGRESS
- PROPOSED LONDON PLANE W/ 5' X 10' TREE PIT
- BENCH
- STORM DRAIN
- EXTERIOR LIGHTING
- LAWN
- CONCRETE BLOCK PAVERS

SCHEMATIC SITE PLAN
SCALE : 3/32" = 1'-0"

PROPOSED NEW DEVELOPMENT FOR:

487 WEST 129TH STREET
478 WEST 130TH STREET
NEW YORK, NEW YORK

BLOCK: 1969 LOT: 5,6&7

ARCHITECT:
AUFGANG ARCHITECTS LLC
49 NORTH AIRMONT RD.
SUFFERN, NY
INFO@AUFGANG.COM 845.368.0004

DEVELOPER:
THE GEORGE OF HARLEM MM LLC
161 Suffolk St.
New York, NY 10002
Tel. 212-477-3057

STRUCTURAL ENGINEER:
BROOKER ENGINEERING, PLLC
76 Lafayette Avenue,
Suffern NY 10901
Tel. 845-357-4411
Fax. 845-357-1896

MEP ENGINEER:
DI BARI ENGINEERING P.C.
99 Main Street
Dobbs Ferry, New York 10522
Tel. 914-479-9705
Fax. 914-479-1234

AUFGANG ARCHITECTS

DATE	SUBMISSIONS / REVISIONS
09-02-14	ISSUED TO D.O.B. FOR REVIEW & COMMENT
11-03-14	ISSUED TO CLIENT FOR PRICING
1-15-15	ISSUED AS PER DOB COMMENTS

SHEET TITLE:
SCHEMATIC SITE PLAN

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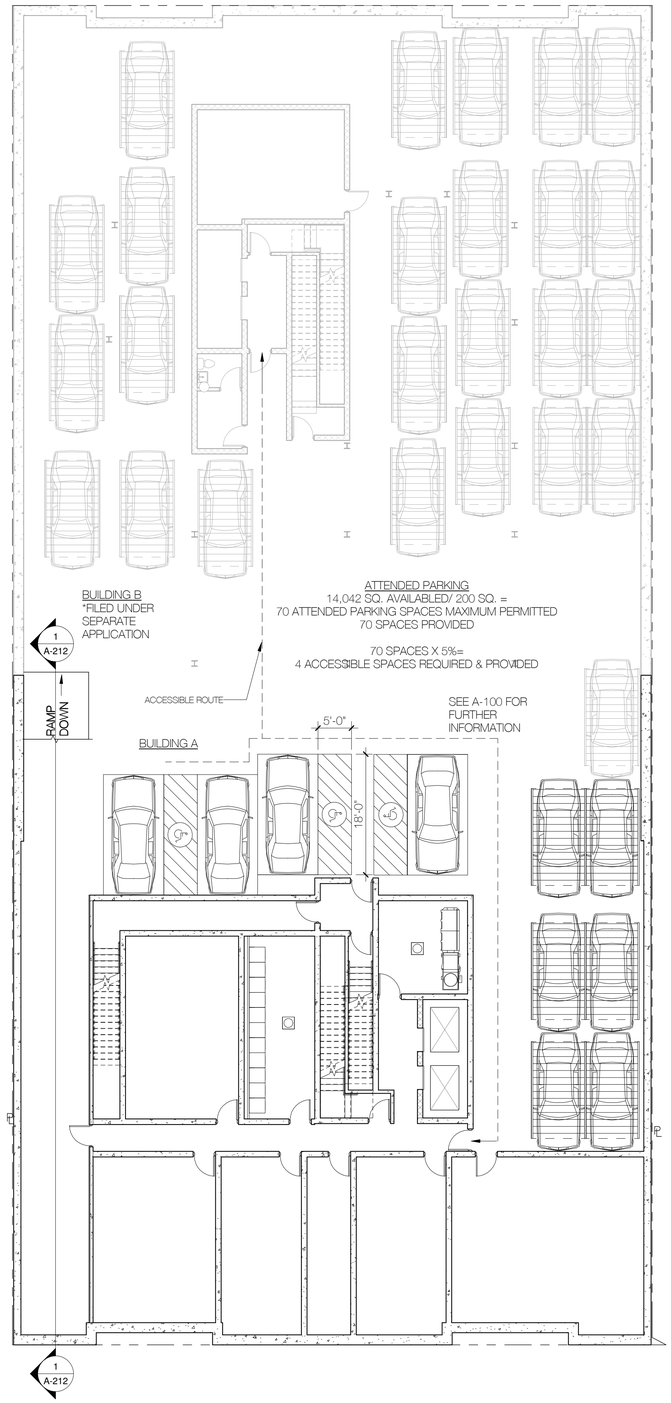
SEAL & SIGNATURE

REGISTERED ARCHITECT ARIEL AUFGANG 032789 STATE OF NEW YORK

ISSUE DATE: 07-16-14
PROJECT NO: #1214
DRAWN BY: NJB
CHECKED BY: PC
SCALE: AS NOTED
SHEET NO: 3 of 31
DRAWING NO: C-002.00
NYC DOB NUMBER: 121191780



1 C-003 CELLAR PLAN
3/32" = 1'-0"

PROPOSED NEW DEVELOPMENT FOR:

W. 129TH STREET

487 WEST 129TH STREET
NEW YORK, NEW YORK

BLOCK: 1969 LOT: 6

ARCHITECT:

AUFGANG ARCHITECTS LLC
49 NORTH AIRMONT RD.
SUFFERN, NY
INFO@AUFGANG.COM 845.368.0004

AUFGANG ARCHITECTS

DEVELOPER

STRUCTURAL ENGINEER:
BROOKER ENGINEERING, PLLC
76 LAFAYETTE AVENUE
SUFFERN, NEW YORK 10901
TEL. 845-357-4411
FAX. 845-357-1896

MEP ENGINEER:
DI BARI ENGINEERING P.C.
99 MAIN STREET
DOBBS FERRY, NY 10952
TEL. 914-479-9705
FAX 914-479-1234

DATE	SUBMISSIONS / REVISIONS
1-15-15	ISSUED AS PER DOB COMMENTS

SHEET TITLE:

PARKING PLAN

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SEAL & SIGNATURE

STATE OF NEW YORK 027289 REGISTERED ARCHITECT MICHAEL ALFRED AUFGANG

ISSUE DATE: 12/23/14
PROJECT NO: #1214
DRAWN BY: Author
CHECKED BY: Checker
SCALE: 3/32" = 1'-0"
SHEET NO: 4 OF 31
DRAWING NO: C-003.00

NYC DOB NUMBER: 121191780

ZONING CALCULATION

1/16/2015

487 WEST 129TH STREET
Block: 1969
Lot: 6 & 5
Zoning: R7-A
Map: 6a
Community District: 9

	PERMITTED/REQUIRED		PROPOSED			REMARKS	RES.
RESIDENTIAL - (Use Group 2) R-7A							
LOT AREA							
Lot 6			19,067.00 Sq.Ft.				
Lot 5			11,643.00 Sq.Ft.				
TOTAL			**30,710.00 Sq.Ft.**			OK	
LOT COVERAGE			Existing non residential building in a residance district				
Building C			6,186.00 Sq.Ft.				
Building A			6,105.00 Sq.Ft.				
Building B							
65%	19,961.50 SQ. FT.		**12,291.00 Sq. Ft.**			OK	**23-145**
FLOOR AREA RATIO							
	4.00 MAX		3.18			OK	**23-145**
GROSS FLOOR AREA			BUILDING A	BUILDING B			
			47,317.00	50,302.00			
	122,840.00 SQ. FT.		**97,619.00 SQ.FT.**			OK	**23-145**
NO. OF APARTMENTS			BUILDING A	BUILDING B			
GFA Proposed	115,543 Sq.Ft.		69	71			
Comm. Facility -	6,345 Sq.Ft.						
Building C -	11,579 Sq.Ft.						
Total	**97,619 Sq.Ft.**						
Total /680	**144 UNITS MAX**		**140 UNITS**			OK	**23-22**
HEIGHTS			BUILDING A	BUILDING B			
MAX BASE HEIGHT	65'-0"		62'-3 1/2"	61'-7 1/2"		OK	**23-633**
MAX BUILDING HEIGHT	80'-0"		79'-11 1/2"	79'-3 1/4"		OK	**23-633**
INITIAL SETBACK ABOVE BASE HEIGHT							
	15'-0" MIN		15'-0"			OK	**23-633**
YARD REGULATIONS							
FRONT	NONE		NONE			OK	**23-45**
SIDE	NONE		NONE			OK	**23-46**
REAR YARD EQUIVALENT	30-0 " midway between 2 streets		65'-10"			OK	**23-532**
COMMUNITY FACILITY							
LOT AREA							
TOTAL			30,305.64 SQ FT			OK	
FLOOR AREA RATIO							
FLOOR AREA BONUS	4.00 MAX		0.21			OK	**24-10**
GROSS FLOOR AREA			BUILDING A	BUILDING B			
			0.00	6,345.00			
	121,222.56 SQ FT MAX		**6,345.00 SQ FT**			OK	**24-10**
PARKING							
Apartments @ 50%			BUILDING A	BUILDING B			
			34.5	35.5			
TOTAL	70 Spaces		**70 Spaces**			OK	**25-23**
	PERMITTED/REQUIRED		**PROPOSED**			**REMARKS**	**RES.**
MIXED DEVELOPMENT TOTAL							
LOT AREA (Lots 5* and 6)							
			30,710.00 Sq.Ft.			OK	
FLOOR AREA RATIO							
	4.00 MAX		3.75			OK	**23-145**
GROSS FLOOR AREA							
			11,579.00 Sq.Ft. Existing on Building C				
			97,619.00 Proposed Residential (Buildings A+B)			OK	
			6,345.00 Proposed Comm. Facility (on Building B)			OK	
MAX. SQ. FT. PERMITTED	**122,840.00 SQ. FT.**		**115,543.00 SQ FT**			OK	**23-145**

* 27,696 Sq.Ft. Air Rights from lot 5

BUILDING A

FLOOR	RESIDENTIAL GROSS AREA (Sq.Ft.)	RESIDENTIAL SALEABLE AREA (Sq.Ft.)	QUALITY HOUSING DEDUCTIONS: AREA PUBLIC CORR. (Sq.Ft.)	% OF CORR.	DEDUCTION (Sq.Ft.)	LAUNDRY (Sq.Ft.)	REFUSE ROOM (Sq.Ft.)	TOTAL (Sq.Ft.)	MECH. DEDUCTIONS (Sq.Ft.)	TOTAL RESIDENTIAL ZONING AREA	REMARKS	COMMUNITY FACILITY GROSS AREA	TOTAL ZONING AREA (Sq.Ft.)
	A							B	C	D=A-B-C		E	F=D+E
1	5,578.00	3,495.00	903.00	100%	903.00	0.00	12.00	**915.00**	0.00	4,663.00		0.00	
2	5,962.00	4,777.00	642.00	100%	642.00	0.00	12.00	**654.00**	0.00	5,308.00			
3	6,186.00	5,174.00	482.00	100%	482.00	0.00	12.00	**494.00**	0.00	5,692.00			
4	6,186.00	5,174.00	482.00	100%	482.00	0.00	12.00	**494.00**	0.00	5,692.00			
5	6,186.00	5,174.00	482.00	100%	482.00	0.00	12.00	**494.00**	0.00	5,692.00			
6	6,186.00	5,174.00	482.00	100%	482.00	0.00	12.00	**494.00**	0.00	5,692.00			
7	6,186.00	5,174.00	482.00	100%	482.00	0.00	12.00	**494.00**	0.00	5,692.00			
8	4,881.00	3,892.00	426.00	100%	426.00	0.00	12.00	**438.00**	0.00	4,443.00			
9	4,881.00	3,892.00	426.00	100%	426.00	0.00	12.00	**438.00**	0.00	4,443.00			
TOTALS	**52,232.00**	**41,926.00**						**4,915.00**	**0.00**	**47,317.00**		**0.00**	**47,317.00**
	1,723.66												

BUILDING B

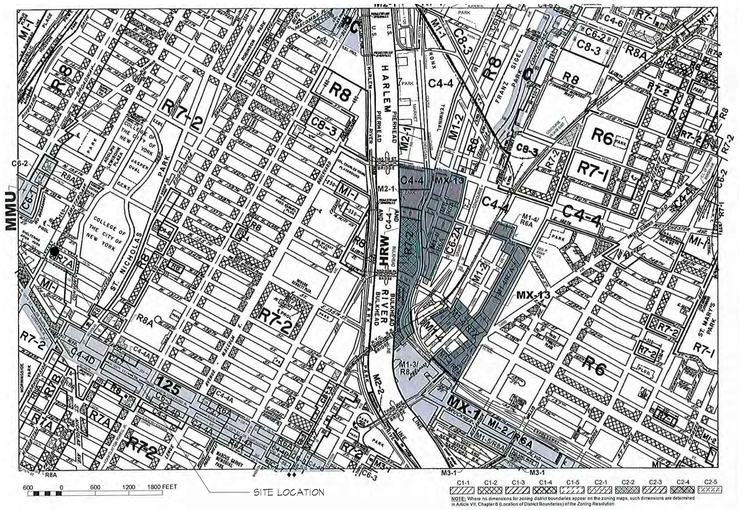
FLOOR	RESIDENTIAL GROSS AREA (Sq.Ft.)	RESIDENTIAL SALEABLE AREA (Sq.Ft.)	QUALITY HOUSING DEDUCTIONS: AREA PUBLIC CORR. (Sq.Ft.)	% OF CORR.	DEDUCTION (Sq.Ft.)	LAUNDRY (Sq.Ft.)	REFUSE ROOM (Sq.Ft.)	TOTAL (Sq.Ft.)	MECH. DEDUCTIONS (Sq.Ft.)	TOTAL RESIDENTIAL ZONING AREA	REMARKS	COMMUNITY FACILITY GROSS AREA	TOTAL ZONING AREA (Sq.Ft.)
	A							B	C	D=A-B-C		E	F=D+E
BASEMENT	3,011.00			0%	0.00		0.00	**0.00**	0.00	3,011.00	Additional Community Facility space @ Cellar 2 & 3	6,345.00	
1	6,219.00	4,179.00	893.00	100%	893.00		12.00	**905.00**	0.00	5,314.00			
2	5,872.00	4,705.00	634.00	100%	634.00		12.00	**646.00**	0.00	5,226.00			
3	6,105.00	5,105.00	484.00	100%	484.00		12.00	**496.00**	0.00	5,609.00			
4	6,105.00	5,105.00	484.00	100%	484.00		12.00	**496.00**	0.00	5,609.00			
5	6,105.00	5,105.00	484.00	100%	484.00		12.00	**496.00**	0.00	5,609.00			
6	6,105.00	5,105.00	484.00	100%	484.00		12.00	**496.00**	0.00	5,609.00			
7	6,105.00	5,105.00	484.00	100%	484.00		12.00	**496.00**	0.00	5,609.00			
8	4,795.00	3,843.00	430.00	100%	430.00		12.00	**442.00**	0.00	4,353.00			
9	4,795.00	3,843.00	430.00	100%	430.00		12.00	**442.00**	0.00	4,353.00			
TOTALS	**55,217.00**	**42,095.00**			**4,807.00**			**4,915.00**	**0.00**	**50,302.00**		**6,345.00**	**56,647.00**
	1,822.16												

1/6/2015 — **QUALITY HOUSING PROGRAM NOTES - BUILDING A**

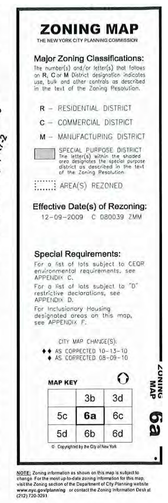
	PERMITTED/REQUIRED	PROPOSED		REMARKS	
1 TREE PER 25'-0" OF FRONTAGE	4 TREES	1 TREES ON SITE 3 TREES OFF SITE	OK	RES. 23-03	Required trees as per ZR23-03/ZR33-03. Exact location to be determined by
SIZE OF DWELLING UNITS	400 SQ. FT. MIN.	405 SQ. FT.	OK	RES. 28-21	
WINDOWS	DOUBLE GLAZED	1" INSULATED DOUBLE GLAZED LOW-E, PROVIDED	OK	RES. 28-22	
REFUSE STORAGE AND DISPOSAL	12 SQ. FT. MIN.	24 SQ. FT.	OK	RES. 28-23	
LAUNDRY FACILITIES	1 WASHER PER 20 D.U. 1 DRYER PER 40 D.U.	74 WASHERS 75 DRYERS	OK OK	RES. 28-24	(...) at least one washing machine per 20 dwelling units or rooming units and at least one dryer per 40 dwelling units or
DAYLIGHT IN CORRIDORS	20 SQ FT	22 SQ. FT.	OK	RES. 28-25	(...)provided that such window shall be directly visible from 50% of the corridor or from the vertical circulation core, and is located at least 20' from a wall or a side or rear lot line measured in a horizontal place and perpendicular to the rough window opening.
RECREATION SPACE (OUTDOOR)	3.3% MIN. (R7) = 1,723.66	2,874 SQ. FT.	OK	RES. 28-31	The amount of recreation space required is expressed as percentage of the total
STANDARDS FOR RECREATION SPACE (OUTDOOR)	15 MIN.	21'-1"	OK	RES. 28-32	(...)The minimum dimension of any recreation space shall be 15'. Outdoor recreation space shall be open to the sky except that building projections, not to
PLANTING AREAS	PLANTING AREAS REQUIRED	PLANTING AREAS PROVIDED		RES. 23-892(a)	The area of the zoning lot between the street line and the street wall of the
DENSITY PER CORRIDOR	MAXIMUM 11 D.U. IN R7 IN ORDER TO QUALIFY FOR DEDUCTION	9 UNITS	OK	RES. 28-41	If the number of dwelling units served by a vertical circulation core and corridor on

1/6/2015 — **QUALITY HOUSING PROGRAM NOTES - BUILDING B**

	PERMITTED/REQUIRED	PROPOSED		REMARKS	
1 TREE PER 25'-0" OF FRONTAGE	4 TREES	3 TREES ON SITE 1 TREES OFF SITE	OK	RES. 23-03	Required trees as per ZR23-03/ZR33-03. Exact location to be determined by
SIZE OF DWELLING UNITS	400 SQ. FT. MIN.	405 SQ. FT.	OK	RES. 28-21	
WINDOWS	DOUBLE GLAZED	1" INSULATED DOUBLE GLAZED LOW-E, PROVIDED	OK	RES. 28-22	
REFUSE STORAGE AND DISPOSAL	12 SQ. FT. MIN.	24 SQ. FT.	OK	RES. 28-23	
LAUNDRY FACILITIES	1 WASHER PER 20 D.U. 1 DRYER PER 40 D.U.	77 WASHERS 77 DRYERS	OK OK	RES. 28-24	(...) at least one washing machine per 20 dwelling units or rooming units and at least one dryer per 40 dwelling units or
DAYLIGHT IN CORRIDORS	20 SQ FT	22 SQ. FT.	OK	RES. 28-25	(...)provided that such window shall be directly visible from 50% of the corridor or from the vertical circulation core, and is located at least 20' from a wall or a side or rear lot line measured in a horizontal place and perpendicular to the rough window opening.
RECREATION SPACE (OUTDOOR)	3.3% MIN. (R7) = 1,822.16	3,008 SQ.FT.	OK	RES. 28-31	The amount of recreation space required is expressed as percentage of the total
STANDARDS FOR RECREATION SPACE (INDOOR)	15'-0" MIN. 300 SQ.FT. MIN.	26'-10" 1,961 SQ.FT.	OK OK	RES. 28-32	(...)The minimum dimension of any recreation space shall be 15'. Outdoor recreation space shall be open to the sky except that building projections, not to
STANDARDS FOR RECREATION SPACE (OUTDOOR)	15 MIN.	21'-1"	OK		
PLANTING AREAS	PLANTING AREAS REQUIRED	PLANTING AREAS PROVIDED		RES. 23-892(a)	The area of the zoning lot between the street line and the street wall of the
DENSITY PER CORRIDOR	MAXIMUM 11 D.U. IN R7 IN ORDER TO QUALIFY FOR DEDUCTION	9 UNITS	OK	RES. 28-41	If the number of dwelling units served by a vertical circulation core and corridor on

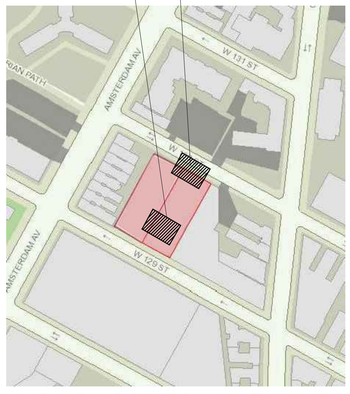


ZONING MAP
NOT TO SCALE

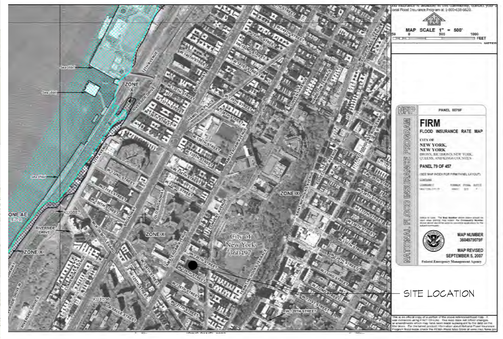


PRELIMINARY FLOOD INSURANCE RATE MAP
NOT TO SCALE

TAX MAP
NOT TO SCALE

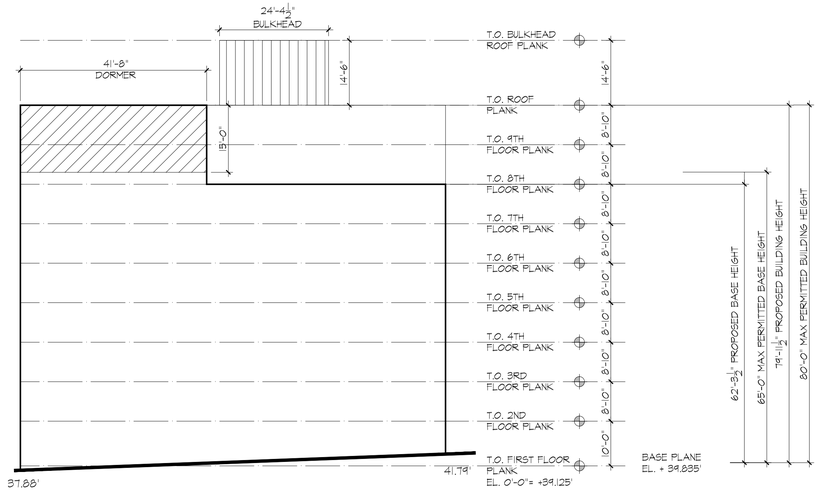


BUILDING LOCATION MAP
NOT TO SCALE



*THIS SITE DOES NOT FALL UNDER A FLOOD HAZARD AS PER FLOOD INSURANCE RATE MAP #3604970075F

FLOOD MAP
NOT TO SCALE



BUILDING A HEIGHT DIAGRAM
SCALE : 1/16" = 1'-0"

BUILDING A BASE PLANE CALCULATION

37.88' + 41.79' = 79.67 / 2 = EL. 39.835'

DORMER CALCULATION

ZR 23-621(c)(1) 60% - 15 = 45%
95.08' x 45% = 42.79' PERMITTED DORMER
41.67' DORMER < 42.79' MAXIMUM PERMITTED :OK

OBSTRUCTIONS ABOVE PERMITTED BUILDING HEIGHT:

ZR 23-62 (g)(1)
(R7A DISTRICT PORTION):
BULKHEAD: 14'-6"x24'-4½"= 353.48 SQ.FT.
AREA: 353.48' SQ.FT.< 380.33' (95'-1" x 4')

ZR 23-62 (g)(3)(1)
353.48' SQ.FT. < 760.67'(95'-1" X 8')

PROPOSED DORMER

OBSTRUCTION ABOVE PERMITTED BUILDING HEIGHT

PROPOSED NEW DEVELOPMENT FOR:

487 WEST 129TH STREET
478 WEST 130TH STREET
NEW YORK, NEW YORK

BLOCK: 1969 LOT: 5,6 &7

ARCHITECT:
AUFGANG ARCHITECTS LLC
49 NORTH AIRMONT RD.
SUFFERN, NY
INFO@AUFGANG.COM 845.368.0004

DEVELOPER:
THE GEORGE OF HARLEM MM LLC
161 Suffolk St.
New York, NY 10002
Tel. 212-477-3057

STRUCTURAL ENGINEER:
BROOKER ENGINEERING, PLLC
76 Lafayette Avenue,
Suffern NY 10901
Tel. 845-357-4411
Fax. 845-357-1896

MEP ENGINEER:
DI BARI ENGINEERING P.C.
99 Main Street
Dobbs Ferry, New York 10522
Tel. 914-479-9705
Fax. 914-479-1234

AUFGANG ARCHITECTS

DATE	SUBMISSIONS / REVISIONS
1-15-15	ISSUED AS PER DOB COMMENTS
11-03-14	ISSUED TO CLIENT FOR PRICING
09-02-14	ISSUED TO D.O.B. FOR REVIEW & COMMENT

SHEET TITLE:

ZONING ANALYSIS

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SEAL & SIGNATURE

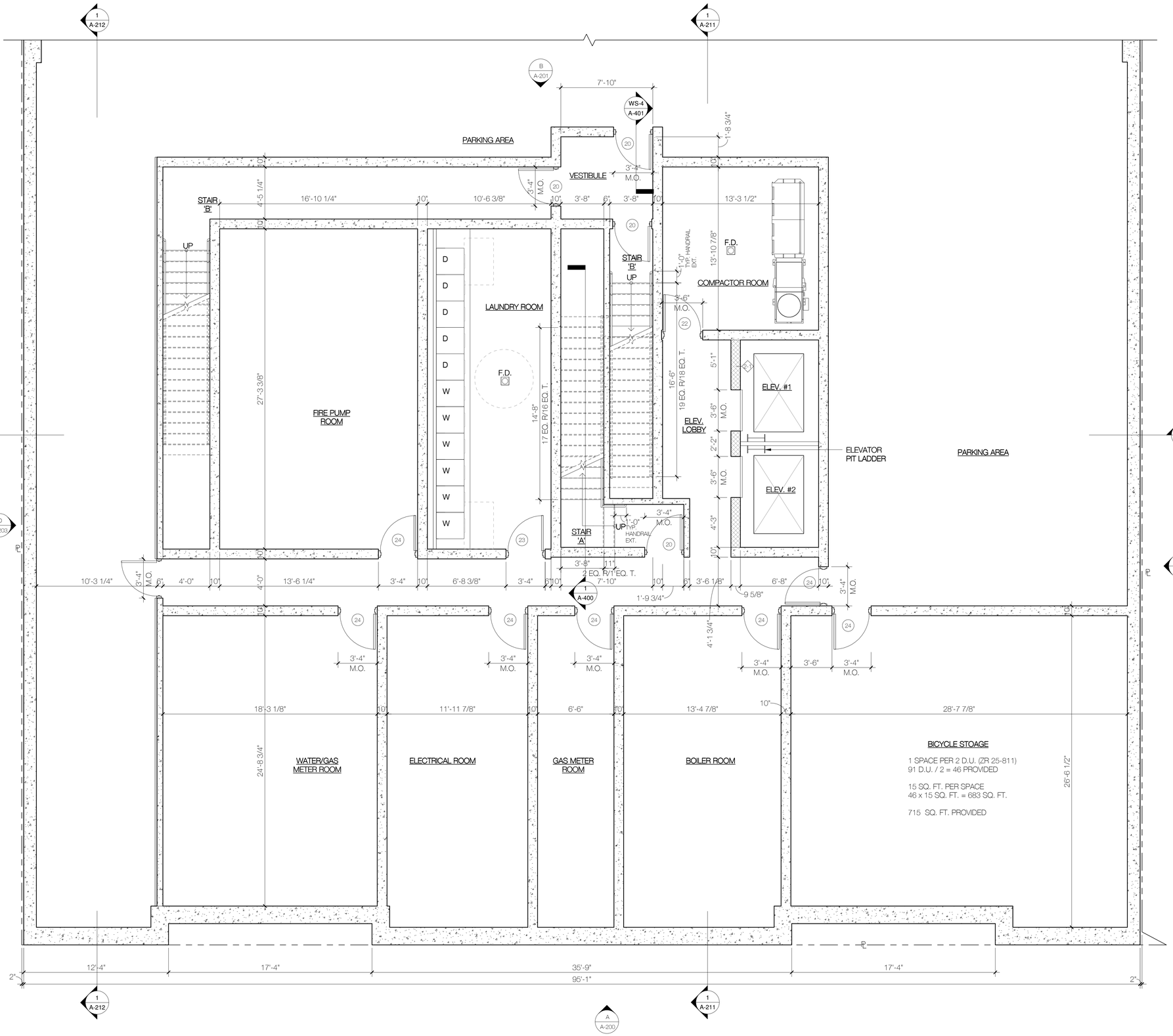
REGISTERED ARCHITECT ARIEL ALFGANG 032789 STATE OF NEW YORK

ISSUE DATE: 07-16-14
PROJECT NO: #1214
DRAWN BY: NJB
CHECKED BY: PC
SCALE: AS NOTED
SHEET NO: 5 of 31

DRAWING NO:

Z-001.00

NYC DOB NUMBER: 121191780



CELLAR FLOOR PLAN

1/4" = 1'-0"

WALL TYPE LEGEND

NON-RATED

- D-1 TYPICAL PARTITION - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON EACH SIDE OF 2-1/2" METAL STUDS @ 16" O.C.
- D-2 BATHROOM CHASE WALL PARTITION - (1) LAYER 5/8" TYPE "X" WATER RESISTANT GYPSUM BOARD ONE SIDE OF 2-1/2" METAL STUDS @ 16" O.C.
- D-3 2" RIGID INSULATION

1 HOUR RATED

- 1-1 1 HOUR RATED TENANT SEPARATION PARTITION - (1) LAYER OF 5/8" TYPE "X" GYPSUM BOARD ON EACH SIDE OF 3-5/8" METAL STUDS @ 16" O.C. WITH 3-1/2" SOUND ATTENUATION INSULATION. EXTEND STUDS & GYPSUM BOARD UP TO UNDERSIDE OF CONCRETE DECK & SEAL TIGHT TO UNDERSIDE OF CONCRETE DECK AND/OR ROOF DECK W/ CONT. FIRESTOP SEALANT& FIRESAFING INSULATION (UL # UA19) (STC 51)
- 1-2 1 HOUR RATED CHASEWALL - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON ONE SIDE OF 2-1/2" METAL STUDS @ 24" O.C. EXTEND GYPSUM BOARD & STUDS UP TO UNDERSIDE OF FLOOR DECK OR ROOF DECK. SEAL TIGHT TO UNDERSIDE OF FLOOR/DECK W/ CONT. FIRESTOP SEALANT. (UL #V442) (PROVIDE INSUL. AS REQ'D TO ACHIEVE A MIN STC RATING OF 50)
- 1-3 1 HOUR RATED EXTERIOR PARTITION - (2) LAYERS OF 5/8" TYPE "X" GYPSUM BOARD, (INSIDE) 1/2" EXP EXTERIOR GYPSUM BOARD SHEATHING (OUTSIDE) OVER 6" GA 12 GALV. METAL STUDS @ 16" O.C. WITH 5-1/2" BATT INSULATION (UNFACED) (R-15) (UL #U424)
- 1-4 1 HOUR RATED EXTERIOR PARTITION (FURRING) - SIM. TO 1-3 WITH INTERIOR FURRING AS REQ'D TO ALIGN WITH INTERIOR PARTITION

2 HOUR RATED

- 2-1 2 HOUR RATED CMU WALL - CMU WITH CONT. GALVANIZED HORIZONTAL TRUSS TYPE REINFORCING AT ALTERNATE BLOCK COURSES. SEAL TOP OF CONCRETE BLOCK WALL TIGHT TO UNDERSIDE OF CONCRETE DECK OR DECK ABOVE WITH CONT. FIRESTOP SEALANT AND FIRESAFING INSULATION WHERE GAP EXIST. BETWEEN TOP OF WALL AND BOTTOM OF DECK (UL #U906)
- 2-2 2 HOUR RATED CMU WALL (FURRING) - 2-2 SIM. WITH FURRING: (1) LAYER 5/8" TYPE "X" GYPSUM BOARD OVER 1 1/2" METAL CHANNELS @ 16" O.C.
- 2-3 2 HOUR RATED INTERIOR BEARING PARTITION - (2) LAYERS 5/8" TYPE "X" GYPSUM BOARD ON EACH SIDE 6" METAL STUDS @ 16" O.C. WITH 5-1/2" SOUND ATTENUATION INSULATION. EXTEND GYPSUM BOARD & STUDS UP TO UNDERSIDE OF FLOOR DECK OR ROOF DECK. SEAL TIGHT TO DECK W/ CONT. FIRESTOP SEALANT & FIRESAFING. (GA FILE #WP-1522 STC 55-59).
- 2-4 2 HOUR RATED INTERIOR NON-BEARING PARTITION - (2) LAYERS 5/8" TYPE "X" GYPSUM BOARD ON EACH SIDE 6" METAL STUDS @ 16" O.C. WITH 5-1/2" SOUND ATTENUATION INSULATION. EXTEND GYPSUM BOARD & STUDS UP TO UNDERSIDE OF FLOOR DECK OR ROOF DECK. SEAL TIGHT TO DECK W/ CONT. FIRESTOP SEALANT & FIRESAFING. (GA FILE #WP-1522 STC 55-59).
- 2-5 2 HOUR RATED EXTERIOR CMU WALL - CMU WITH CONT. GALVANIZED HORIZONTAL TRUSS TYPE REINFORCING AT ALTERNATE BLOCK COURSES. SEAL TOP OF CONCRETE BLOCK WALL TIGHT TO UNDERSIDE OF CONCRETE DECK OR DECK ABOVE WITH CONT. FIRESTOP SEALANT AND FIRESAFING INSULATION WHERE GAP EXIST. BETWEEN TOP OF WALL AND BOTTOM OF DECK (UL #U906)
- 2-6 2 HOUR RATED EXTERIOR CMU WALL (3-5/8" FURRING) - 2-5 SIM. WITH FURRING: (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON 3-5/8" GALV. METAL STUDS @ 16 O.C. WITH 3 1/2" (R-15) BATT INSULATION UNFACED
- 2-7 2 HOUR RATED INTERIOR CMU WALL (7/8" FURRING) - CMU WITH CONT. GALVANIZED HORIZONTAL TRUSS TYPE REINFORCING AT ALTERNATE BLOCK COURSES. SEAL TOP OF CONCRETE BLOCK WALL TIGHT TO UNDERSIDE OF CONCRETE DECK OR DECK ABOVE WITH CONT. FIRESTOP SEALANT AND FIRESAFING INSULATION WHERE GAP EXIST. BETWEEN TOP OF WALL AND BOTTOM OF DECK (UL #U906)FURRING: (1) LAYER 5/8" TYPE "X" GYPSUM BOARD OVER 7/8" METAL CHANNELS @ 16" O.C.
- 2-8 2 HOUR RATED INTERIOR CMU WALL (1 1/2" FURRING) - 2-7 SIM FURRING: (1) LAYER 5/8" TYPE "X" GYPSUM BOARD OVER 1 1/2" METAL CHANNELS @ 16" O.C.
- 2-9 2 HOUR RATED INTERIOR BEARING WALL (FURRING) - SIM. TO 2-3 WITH INTERIOR FURRING AS REQ'D TO ALIGN WITH EXTERIOR WALL

3 HOUR RATED

- 3-1 3 HOUR RATED WALL - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD OVER 7/8" METAL HAT CHANNELS @ 24" O.C. OVER 2 HR RATED CONCRETE WALL WITH CONT. GALVANIZED HORIZONTAL TRUSS TYPE REINFORCING AT ALTERNATE COURSES. SEAL TOP OF CONCRETE BLOCK WALL TIGHT TO UNDERSIDE OF CONCRETE FLOOR. DECK ABOVE WITH CONT. FIRESTOP SEALANT AND FIRESAFING INSULATION WHERE A GAP EXISTS BETWEEN TOP OF WALL AND BOTTOM OF CONCRETE DECK (UL #U914) (PROVIDE STC RATING OF 50-54 COMPACTOR CHUTE FOR SHAFT ADJACENT TO DWELLING UNITS)

LEGEND:

- CONCRETE BLOCK WALL
- CONCRETE FOUNDATION WALL
- MASONRY VENEER
- GYPSUM BOARD PARTITION - SEE PLAN FOR SIZE
- X-X PARTITION - SEE WALL TYPE LEGEND
- P A HANDICAP ACCESSIBLE APARTMENT UNIT
- P H.V.I HANDICAP - HEARING & VISUALLY IMPAIRED UNIT
- WX WINDOW - SEE WINDOW SCHEDULE ON DWG. A-601
- X DOOR & FRAME - SEE DOOR SCHEDULE DRAWING A-600
- CDM CARBON MONOXIDE DETECTOR
- EXIT LIGHT AND SIGN - CEILING MOUNTED
- SUSPENDED GYPSUM BOARD

REMOVABLE KITCHEN BASE CABINET - 2'-6" WIDE x 2'-0" DEEP

30"x48" CLEAR FLOOR SPACE

"T" FLOOR TURNING SPACE

5'-0" DIAMETER CLEAR HANDICAP FLOOR TURNING SPACE.

PROPOSED NEW DEVELOPMENT FOR:

W. 129TH STREET

487 WEST 129TH STREET
NEW YORK, NEW YORK

BLOCK: 1969 LOT: 6

ARCHITECT:

AUFGANG ARCHITECTS LLC
49 NORTH AIRMONT RD.
SUFFERN, NY
INFO@AUFGANG.COM 845.368.0004

DEVELOPER

STRUCTURAL ENGINEER:
BROOKER ENGINEERING, PLLC
76 LAFAYETTE AVENUE
SUFFERN, NEW YORK 10901
TEL. 845-357-4411
FAX. 845-357-1896

MEP ENGINEER:
DI BARI ENGINEERING P.C.
99 MAIN STREET
DOBBS FERRY, NY 10952
TEL. 914-479-9705
FAX 914-479-1234

AUFGANG ARCHITECTS

DATE	SUBMISSIONS / REVISIONS
1-15-15	ISSUED AS PER DOB COMMENTS
11-03-14	ISSUED CLIENT FOR PRICING
09-02-14	TO D.O.B. FOR REVIEW & COMMENT

SHEET TITLE:

CELLAR FLOOR PLAN

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SEAL & SIGNATURE

ISSUE DATE:	PROJECT NO:
07/31/14	#1214
DRAWN BY:	CHECKED BY:
NJB	PC
SCALE:	SHEET NO:
1/4" = 1'-0"	12 OF 31

DRAWING NO:

A-100.00

NYC DOB NUMBER: 121191780

FIRST FLOOR PLAN

1/4" = 1'-0"

N

WALL TYPE LEGEND

NON-RATED

- D-1 TYPICAL PARTITION - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON EACH SIDE OF 2-1/2" METAL STUDS @ 16" O.C.
- D-2 BATHROOM CHASE WALL PARTITION - (1) LAYER 5/8" TYPE "X" WATER RESISTANT GYPSUM BOARD ONE SIDE OF 2-1/2" METAL STUDS @ 16" O.C.
- D-3 2" RIGID INSULATION

1 HOUR RATED

- 1-1 1 HOUR RATED TENANT SEPARATION PARTITION - (1) LAYER OF 5/8" TYPE "X" GYPSUM BOARD ON EACH SIDE OF 3-5/8" METAL STUDS @ 16" O.C. WITH 3-1/2" SOUND ATTENUATION INSULATION. EXTEND STUDS & GYPSUM BOARD UP TO UNDERSIDE OF CONCRETE DECK & SEAL TIGHT TO UNDERSIDE OF CONCRETE DECK AND/OR ROOF DECK W/ CONT. FIRESTOP SEALANT& FIRESAFING INSULATION (UL # U419) (STC 51)
- 1-2 1 HOUR RATED CHASEWALL - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON ONE SIDE OF 2-1/2" METAL STUDS @ 24" O.C. EXTEND GYPSUM BOARD & STUDS UP TO UNDERSIDE OF FLOOR DECK OR ROOF DECK. SEAL TIGHT TO UNDERSIDE OF FLOOR/DECK W/ CONT. FIRESTOP SEALANT. (UL #V442) (PROVIDE INSUL. AS REQ'D TO ACHIEVE A MIN STC RATING OF 50)
- 1-3 1 HOUR RATED EXTERIOR PARTITION - (2) LAYERS OF 5/8" TYPE "X" GYPSUM BOARD, (INSIDE) 1/2" EXP EXTERIOR GYPSUM BOARD SHEATHING (OUTSIDE) OVER 6" GA 12 GALV. METAL STUDS @ 16" O.C. WITH 5-1/2" BATT INSULATION (UNFACED) (R-15) (UL #U424)
- 1-4 1 HOUR RATED EXTERIOR PARTITION (FURRING) - SIM. TO 1-3 WITH INTERIOR FURRING AS REQ'D TO ALIGN WITH INTERIOR PARTITION

2 HOUR RATED

- 2-1 2 HOUR RATED CMU WALL - CMU WITH CONT. GALVANIZED HORIZONTAL TRUSS TYPE REINFORCING AT ALTERNATE BLOCK COURSES. SEAL TOP OF CONCRETE BLOCK WALL TIGHT TO UNDERSIDE OF CONCRETE DECK OR DECK ABOVE WITH CONT. FIRESTOP SEALANT AND FIRESAFING INSULATION WHERE GAP EXIST. BETWEEN TOP OF WALL AND BOTTOM OF DECK (UL #U906)
- 2-2 2 HOUR RATED CMU WALL (FURRING) - 2-2 SIM. WITH FURRING: (1) LAYER 5/8" TYPE "X" GYPSUM BOARD OVER 1 1/2" METAL CHANNELS @ 16" O.C.
- 2-3 2 HOUR RATED INTERIOR BEARING PARTITION - (2) LAYERS 5/8" TYPE "X" GYPSUM BOARD ON EACH SIDE 6" METAL STUDS @ 16" O.C. WITH 5-1/2" SOUND ATTENUATION INSULATION. EXTEND GYPSUM BOARD & STUDS UP TO UNDERSIDE OF FLOOR DECK OR ROOF DECK. SEAL TIGHT TO DECK W/ CONT. FIRESTOP SEALANT & FIRESAFING. (GA FILE #WP-1522 STC 55-59).
- 2-4 2 HOUR RATED INTERIOR NON-BEARING PARTITION - (2) LAYERS 5/8" TYPE "X" GYPSUM BOARD ON EACH SIDE 6" METAL STUDS @ 16" O.C. WITH 5-1/2" SOUND ATTENUATION INSULATION. EXTEND GYPSUM BOARD & STUDS UP TO UNDERSIDE OF FLOOR DECK OR ROOF DECK. SEAL TIGHT TO DECK W/ CONT. FIRESTOP SEALANT & FIRESAFING. (GA FILE #WP-1522 STC 55-59).
- 2-5 2 HOUR RATED EXTERIOR CMU WALL - CMU WITH CONT. GALVANIZED HORIZONTAL TRUSS TYPE REINFORCING AT ALTERNATE BLOCK COURSES. SEAL TOP OF CONCRETE BLOCK WALL TIGHT TO UNDERSIDE OF CONCRETE DECK OR DECK ABOVE WITH CONT. FIRESTOP SEALANT AND FIRESAFING INSULATION WHERE GAP EXIST. BETWEEN TOP OF WALL AND BOTTOM OF DECK (UL #U906)
- 2-6 2 HOUR RATED EXTERIOR CMU WALL (3-5/8" FURRING) - 2-5 SIM. WITH FURRING: (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON 3-5/8" GALV. METAL STUDS @ 16 O.C. WITH 3 1/2" (R-15) BATT INSULATION UNFACED
- 2-7 2 HOUR RATED INTERIOR CMU WALL (7/8" FURRING) - CMU WITH CONT. GALVANIZED HORIZONTAL TRUSS TYPE REINFORCING AT ALTERNATE BLOCK COURSES. SEAL TOP OF CONCRETE BLOCK WALL TIGHT TO UNDERSIDE OF CONCRETE DECK OR DECK ABOVE WITH CONT. FIRESTOP SEALANT AND FIRESAFING INSULATION WHERE GAP EXIST. BETWEEN TOP OF WALL AND BOTTOM OF DECK (UL #U906)FURRING: (1) LAYER 5/8" TYPE "X" GYPSUM BOARD OVER 7/8" METAL CHANNELS @ 16" O.C.
- 2-8 2 HOUR RATED INTERIOR CMU WALL (1 1/2" FURRING) - 2-7 SIM FURRING: (1) LAYER 5/8" TYPE "X" GYPSUM BOARD OVER 1 1/2" METAL CHANNELS @ 16" O.C.
- 2-9 2 HOUR RATED INTERIOR BEARING WALL (FURRING) - SIM. TO 2-3 WITH INTERIOR FURRING AS REQ'D TO ALIGN WITH EXTERIOR WALL

3 HOUR RATED

- 3-1 3 HOUR RATED WALL - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD OVER 7/8" METAL HAT CHANNELS @ 24" O.C. OVER 2 HR RATED CONCRETE WALL WITH CONT. GALVANIZED HORIZONTAL TRUSS TYPE REINFORCING AT ALTERNATE COURSES. SEAL TOP OF CONCRETE BLOCK WALL TIGHT TO UNDERSIDE OF CONCRETE FLOOR DECK ABOVE WITH CONT. FIRESTOP SEALANT AND FIRESAFING INSULATION WHERE A GAP EXISTS BETWEEN TOP OF WALL AND BOTTOM OF CONCRETE DECK (UL #U914) (PROVIDE STC RATING OF 50-54 COMPACTOR CHUTE FOR SHAFT ADJACENT TO DWELLING UNITS)

LEGEND:

- CONCRETE BLOCK WALL
- CONCRETE FOUNDATION WALL
- MASONRY VENEER
- GYPSUM BOARD PARTITION - SEE PLAN FOR SIZE.
- XXX PARTITION - SEE WALL TYPE LEGEND
- HANDICAP ACCESSIBLE APARTMENT UNIT
- HANDICAP - HEARING & VISUALLY IMPAIRED UNIT
- H.V.I
- WX WINDOW - SEE WINDOW SCHEDULE ON DWG. A-601
- X DOOR & FRAME - SEE DOOR SCHEDULE DRAWING A-600
- CDM CARBON MONOXIDE DETECTOR
- EXIT LIGHT AND SIGN - CEILING MOUNTED
- SUSPENDED GYPSUM BOARD

REMOVABLE KITCHEN BASE CABINET - 2'-6" WIDE X 2'-0" DEEP

30"x48" CLEAR FLOOR SPACE

"T" FLOOR TURNING SPACE

5'-0" DIAMETER CLEAR HANDICAP FLOOR TURNING SPACE.

PROPOSED NEW DEVELOPMENT FOR:

W. 129TH STREET

487 WEST 129TH STREET
NEW YORK, NEW YORK

BLOCK: 1969 LOT: 6

ARCHITECT:

AUFGANG ARCHITECTS LLC
49 NORTH AIRMONT RD.
SUFFERN, NY
INFO@AUFGANG.COM 845.368.0004

DEVELOPER

STRUCTURAL ENGINEER:
BROOKER ENGINEERING, PLLC
76 LAFAYETTE AVENUE
SUFFERN, NEW YORK 10901
TEL. 845-357-4411
FAX. 845-357-1896

MEP ENGINEER:
DI BARI ENGINEERING P.C.
99 MAIN STREET
DOBBS FERRY, NY 10952
TEL. 914-479-9705
FAX 914-479-1234

AUFGANG ARCHITECTS

DATE	SUBMISSIONS / REVISIONS
1-15-15	ISSUED AS PER DOB COMMENTS
11-03-14	ISSUED CLIENT FOR PRICING
09-02-14	TO D.O.B. FOR REVIEW & COMMENT

SHEET TITLE:

FIRST FLOOR PLAN

THIS DRAWING IS AN INSTRUMENT OF SERVICE AND SHALL REMAIN THE PROPERTY OF AUFGANG ARCHITECTS LLC, WHETHER THE PROJECT FOR WHICH IT IS MADE IS EXECUTED OR NOT. THIS DRAWING SHALL NOT BE USED BY THE OWNER OR OTHERS ON OTHER PROJECTS, FOR ADDITIONS TO THIS PROJECT OR FOR COMPLETION OF THIS PROJECT BY OTHERS EXCEPT BY AGREEMENT IN WRITING WITH AUFGANG ARCHITECTS LLC. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THIS PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DERROGATION OF THE RIGHTS OF AUFGANG ARCHITECTS LLC. REPRODUCTION OR PUBLICATION BY ANY METHOD IN WHOLE OR IN PART IS PROHIBITED. TITLE TO THIS DRAWING BELONGS TO AUFGANG ARCHITECTS LLC, WITHOUT PREJUDICE.

SEAL & SIGNATURE

STATE OF NEW YORK — REGISTERED ARCHITECT — NEAL AUFGANG

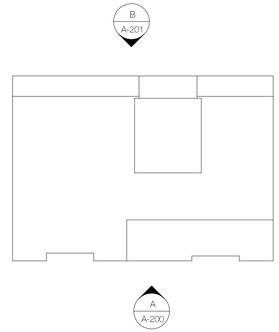
ISSUE DATE:	PROJECT NO:
12/23/14	#1214
DRAWN BY:	CHECKED BY:
NJB	PC
SCALE:	SHEET NO:
1/4" = 1'-0"	13 OF 31

DRAWING NO:

A-101.00

NYC DOB NUMBER: 121191780

A A-200 FRONT ELEVATION
3/16" = 1'-0"



KEY PLAN
SCALE: NTS.

PROPOSED NEW DEVELOPMENT FOR:

W. 129TH STREET

487 WEST 129TH STREET
NEW YORK, NEW YORK

BLOCK: 1969 LOT: 6

ARCHITECT:

AUFGANG ARCHITECTS LLC
49 NORTH AIRMONT RD.
SUFFERN, NY
INFO@AUFGANG.COM 845.368.0004

DEVELOPER

STRUCTURAL ENGINEER:
BROOKER ENGINEERING, PLLC
76 LAFAYETTE AVENUE
SUFFERN, NEW YORK 10901
TEL. 845-357-4411
FAX. 845-357-1896

MEP ENGINEER:
DI BARI ENGINEERING P.C.
99 MAIN STREET
DOBBS FERRY, NY 10952
TEL. 914-479-9705
FAX 914-479-1234

AUFGANG ARCHITECTS

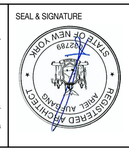
DATE	SUBMISSIONS / REVISIONS
09-02-14	TO D.O.B. FOR REVIEW & COMMENT
11-03-14	ISSUED CLIENT FOR PRICING
1-15-15	ISSUED AS PER DOB COMMENTS

SHEET TITLE:

FRONT ELEVATION

THIS DRAWING IS AN INSTRUMENT OF SERVICE AND SHALL REMAIN THE PROPERTY OF AUFGANG ARCHITECTS LLC, WHETHER THE PROJECT FOR WHICH IT IS MADE IS EXECUTED OR NOT. THIS DRAWING SHALL NOT BE USED BY THE OWNER OR OTHERS ON OTHER PROJECTS, FOR ADDITIONS TO THIS PROJECT OR FOR COMPLETION OF THIS PROJECT BY OTHERS EXCEPT BY AGREEMENT IN WRITING WITH AUFGANG ARCHITECTS LLC. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THIS PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DERROGATION OF THE RIGHTS OF AUFGANG ARCHITECTS LLC. REPRODUCTION OR PUBLICATION BY ANY METHOD IN WHOLE OR IN PART IS PROHIBITED. TITLE TO THIS DRAWING BELONGS TO AUFGANG ARCHITECTS LLC, WITHOUT PREJUDICE.

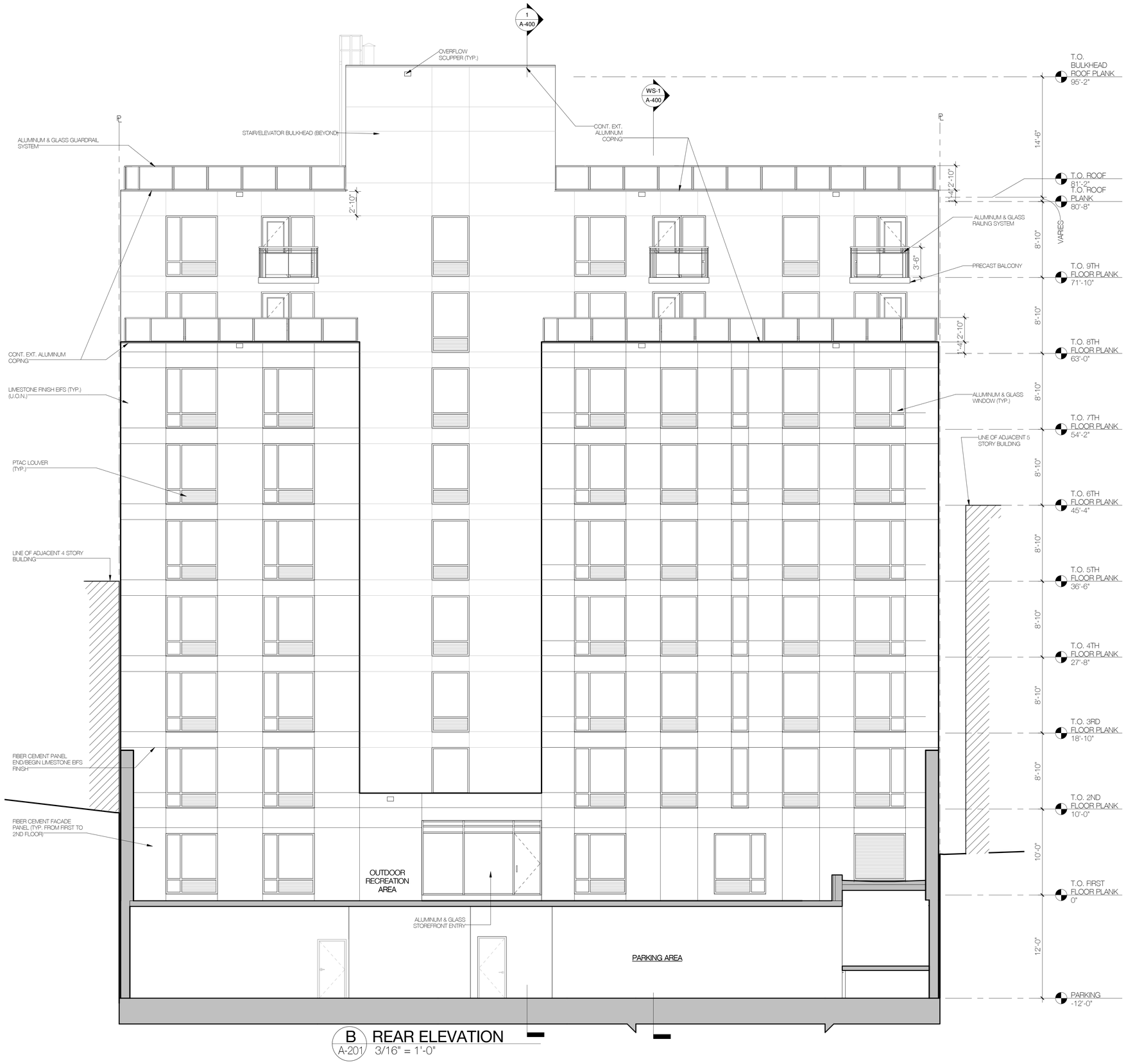
SEAL & SIGNATURE



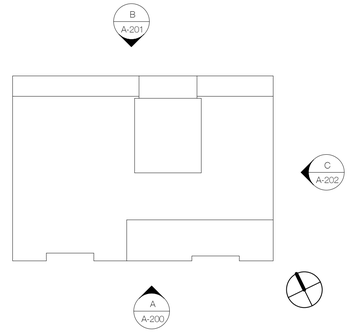
ISSUE DATE: 07/31/14	PROJECT NO: #1214
DRAWN BY: NJB	CHECKED BY: PC
SCALE: As indicated	SHEET NO: 18 OF 31

DRAWING NO: A-200.00

NYC DOB NUMBER: 121191780



B A-201 REAR ELEVATION
3/16" = 1'-0"



KEY PLAN
SCALE: NTS.

PROPOSED NEW DEVELOPMENT FOR:

W. 129TH STREET

487 WEST 129TH STREET
NEW YORK, NEW YORK

BLOCK: 1969 LOT: 6

ARCHITECT:

AUFGANG ARCHITECTS LLC
49 NORTH AIRMONT RD.
SUFFERN, NY
INFO@AUFGANG.COM 845.368.0004

DEVELOPER

STRUCTURAL ENGINEER:
BROOKER ENGINEERING, PLLC
76 LAFAYETTE AVENUE
SUFFERN, NEW YORK 10901
TEL. 845-357-4411
FAX. 845-357-1896

MEP ENGINEER:
DI BARI ENGINEERING P.C.
99 MAIN STREET
DOBBS FERRY, NY 10952
TEL. 914-479-9705
FAX 914-479-1234

AUFGANG ARCHITECTS

DATE	SUBMISSIONS / REVISIONS
1-15-15	ISSUED AS PER DOB COMMENTS
11-03-14	ISSUED CLIENT FOR PRICING
09-02-14	TO D.O.B. FOR REVIEW & COMMENT

SHEET TITLE:

REAR ELEVATION

THIS DRAWING IS AN INSTRUMENT OF SERVICE AND SHALL REMAIN THE PROPERTY OF AUFGANG ARCHITECTS LLC, WHETHER THE PROJECT FOR WHICH IT IS PREPARED IS EXECUTED. THIS DRAWING SHALL NOT BE USED BY THE OWNER OR OTHERS ON OTHER PROJECTS, FOR ADDITIONS TO THIS PROJECT OR FOR COMPLETION OF THIS PROJECT BY OTHERS EXCEPT BY AGREEMENT IN WRITING WITH AUFGANG ARCHITECTS LLC. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF THE RIGHTS OF AUFGANG ARCHITECTS LLC. REPRODUCTION OR PUBLICATION BY ANY METHOD IN WHOLE OR IN PART IS PROHIBITED. TITLE TO THIS DRAWING BELONGS TO AUFGANG ARCHITECTS LLC. WITHOUT PREJUDICE.

SEAL & SIGNATURE

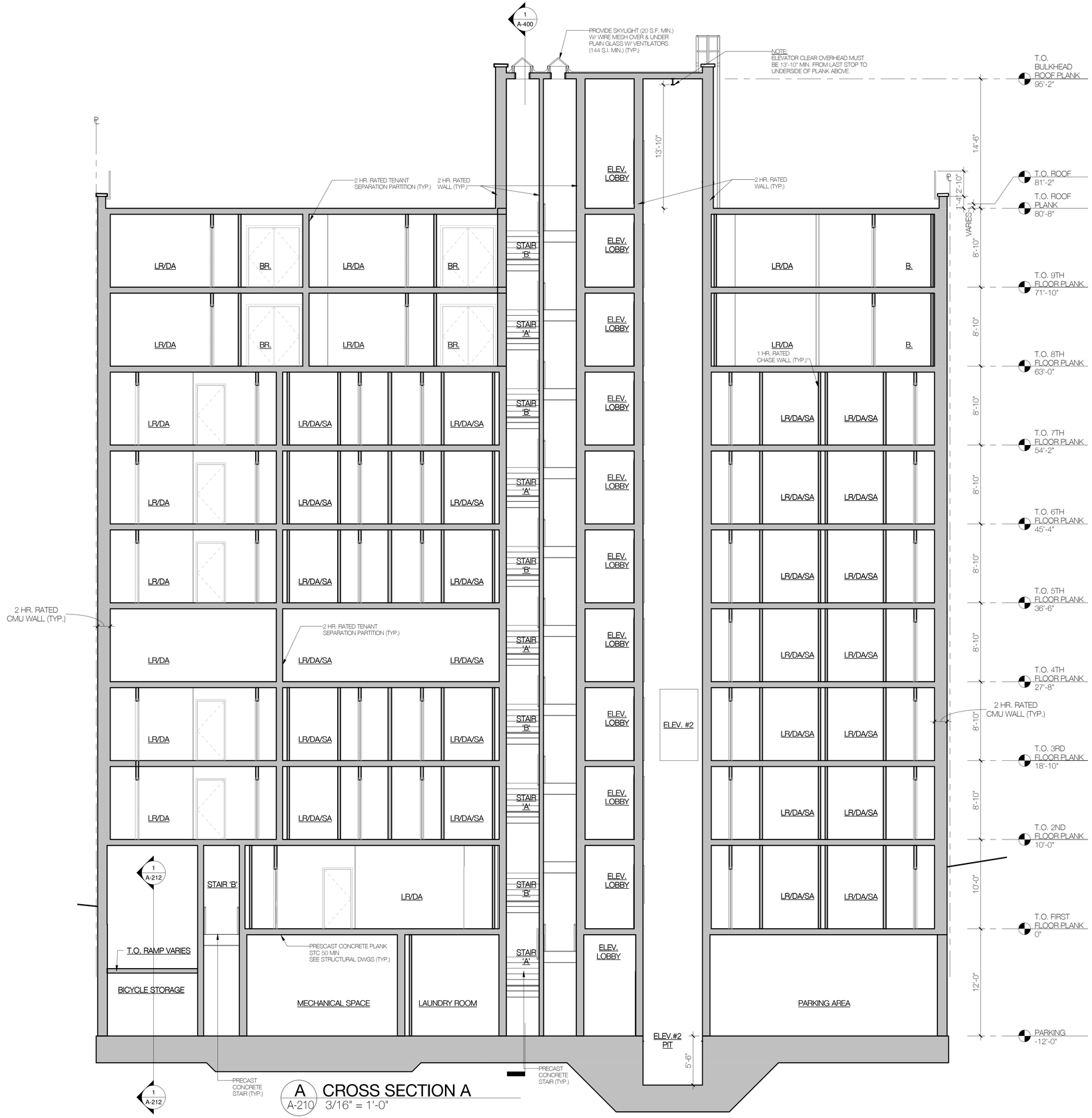
STATE OF NEW YORK 027278 REGISTERED ARCHITECT ARIEL AUFGANG

ISSUE DATE:	PROJECT NO:
07/31/14	#1214
DRAWN BY:	CHECKED BY:
NJB	PC
SCALE:	SHEET NO:
As indicated	19 OF 31

DRAWING NO:

A-201.00

NYC DOB NUMBER: 121191780



A
A-210
CROSS SECTION A
3/16" = 1'-0"

PROPOSED NEW DEVELOPMENT FOR:

W. 129TH STREET

487 WEST 129TH STREET
NEW YORK, NEW YORK

BLOCK: 1969 LOT: 6

ARCHITECT:

AUFGANG ARCHITECTS LLC
49 NORTH AIRMONT RD.
SUFFERN, NY
INFO@AUFGANG.COM 845.368.0004

DEVELOPER

STRUCTURAL ENGINEER:
BROOKER ENGINEERING, PLLC
76 LAFAYETTE AVENUE
SUFFERN, NEW YORK 10901
TEL. 845-357-4411
FAX. 845-357-1896

MEP ENGINEER:
DI BARI ENGINEERING P.C.
99 MAIN STREET
DOBBS FERRY, NY 10952
TEL. 914-479-9705
FAX 914-479-1234

AUFGANG ARCHITECTS

DATE	SUBMISSIONS / REVISIONS
1-15-15	ISSUED AS PER DOB COMMENTS
11-03-14	ISSUED CLIENT FOR PRICING
09-02-14	TO D.O.B. FOR REVIEW & COMMENT

SHEET TITLE:

BUILDING CROSS SECTION A

THIS DRAWING IS AN INSTRUMENT OF SERVICE AND SHALL REMAIN THE PROPERTY OF AUFGANG ARCHITECTS LLC, WHETHER THE PROJECT FOR WHICH IT IS MADE IS EXECUTED OR NOT. THIS DRAWING SHALL NOT BE USED BY THE OWNER OR OTHERS ON OTHER PROJECTS, FOR ADDITIONS TO THIS PROJECT OR FOR COMPLETION OF THIS PROJECT BY OTHERS EXCEPT BY AGREEMENT IN WRITING WITH AUFGANG ARCHITECTS LLC. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF THE RIGHTS OF AUFGANG ARCHITECTS LLC. REPRODUCTION OR PUBLICATION BY ANY METHOD, IN WHOLE OR IN PART, IS PROHIBITED. TITLE TO THIS DRAWING BELONGS TO AUFGANG ARCHITECTS LLC, WITHOUT PREJUDICE.

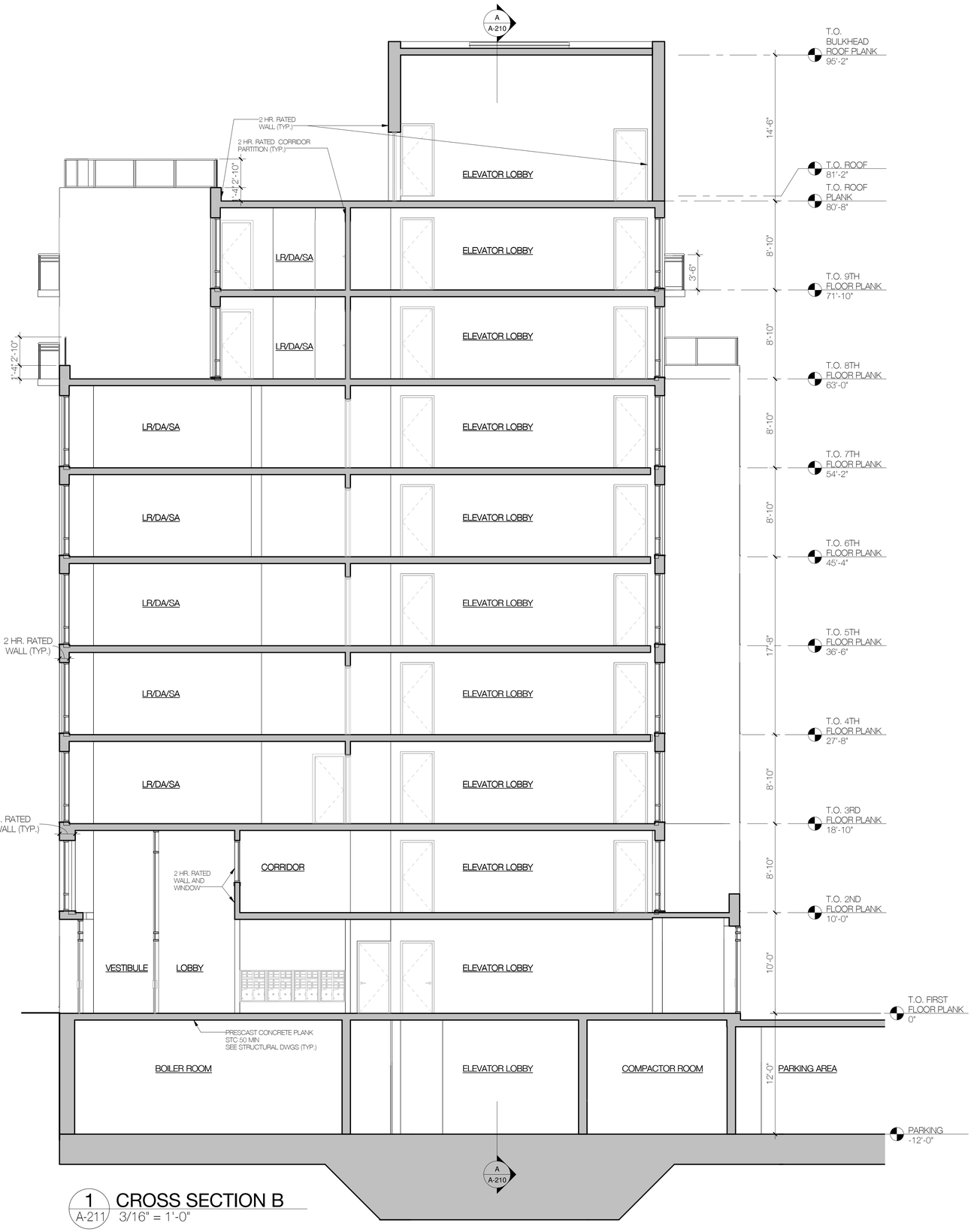
SEAL & SIGNATURE

ISSUE DATE:	PROJECT NO:
08/08/14	#1214
DRAWN BY: NJB	CHECKED BY: PC
SCALE: 3/16" = 1'-0"	SHEET NO: 22 OF 31

DRAWING NO:

A-210.00

NYC DOB NUMBER: 121191780



1 / A-211 CROSS SECTION B
3/16" = 1'-0"

PROPOSED NEW DEVELOPMENT FOR:

W. 129TH STREET

487 WEST 129TH STREET
NEW YORK, NEW YORK

BLOCK: 1969 LOT: 6

ARCHITECT:

AUFGANG ARCHITECTS LLC
49 NORTH AIRMONT RD.
SUFFERN, NY
INFO@AUFGANG.COM 845.368.0004

AUFGANG ARCHITECTS

DEVELOPER

STRUCTURAL ENGINEER:
BROOKER ENGINEERING, PLLC
76 LAFAYETTE AVENUE
SUFFERN, NEW YORK 10901
TEL. 845-357-4411
FAX. 845-357-1896

MEP ENGINEER:
DI BARI ENGINEERING P.C.
99 MAIN STREET
DOBBS FERRY, NY 10952
TEL. 914-479-9705
FAX 914-479-1234

DATE	SUBMISSIONS / REVISIONS
1-15-15	ISSUED AS PER DOB COMMENTS

SHEET TITLE:

BUILDING CROSS SECTION B

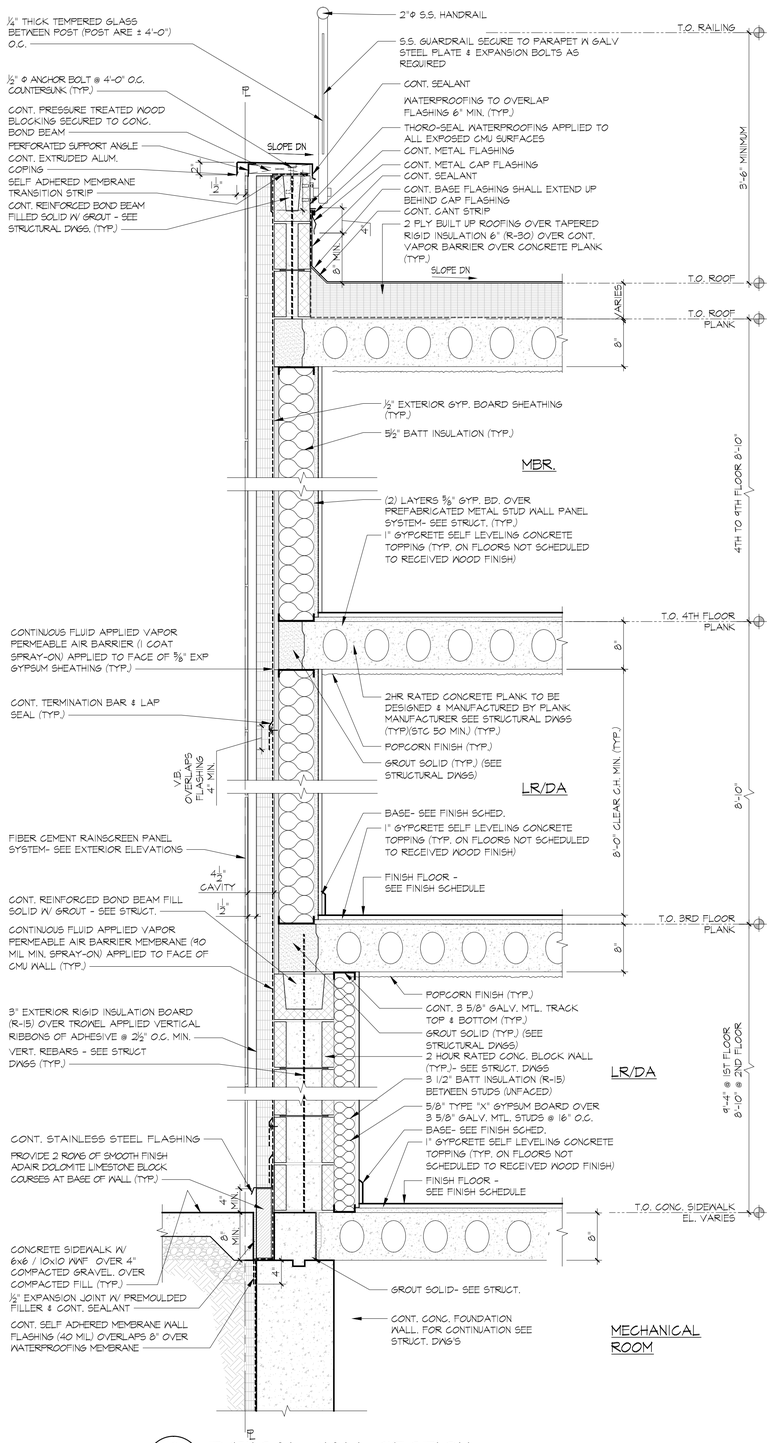
THIS DRAWING IS AN INSTRUMENT OF SERVICE AND SHALL REMAIN THE PROPERTY OF AUFGANG ARCHITECTS LLC, WHETHER THE PROJECT FOR WHICH IT IS MADE IS EXECUTED OR NOT. THIS DRAWING SHALL NOT BE USED BY THE OWNER OR OTHERS ON OTHER PROJECTS, FOR ADDITIONS TO THIS PROJECT OR FOR COMPLETION OF THIS PROJECT BY OTHERS EXCEPT BY AGREEMENT IN WRITING WITH AUFGANG ARCHITECTS LLC. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DERROGATION OF THE RIGHTS OF AUFGANG ARCHITECTS LLC. REPRODUCTION OR PUBLICATION BY ANY METHOD IN WHOLE OR IN PART IS PROHIBITED. TITLE TO THIS DRAWING BELONGS TO AUFGANG ARCHITECTS LLC, WITHOUT PREJUDICE.

SEAL & SIGNATURE

ISSUE DATE:	PROJECT NO:
12/23/14	#1214
DRAWN BY:	CHECKED BY:
Author	Checker
SCALE:	SHEET NO:
3/16" = 1'-0"	23 OF 31

DRAWING NO: A-211.00

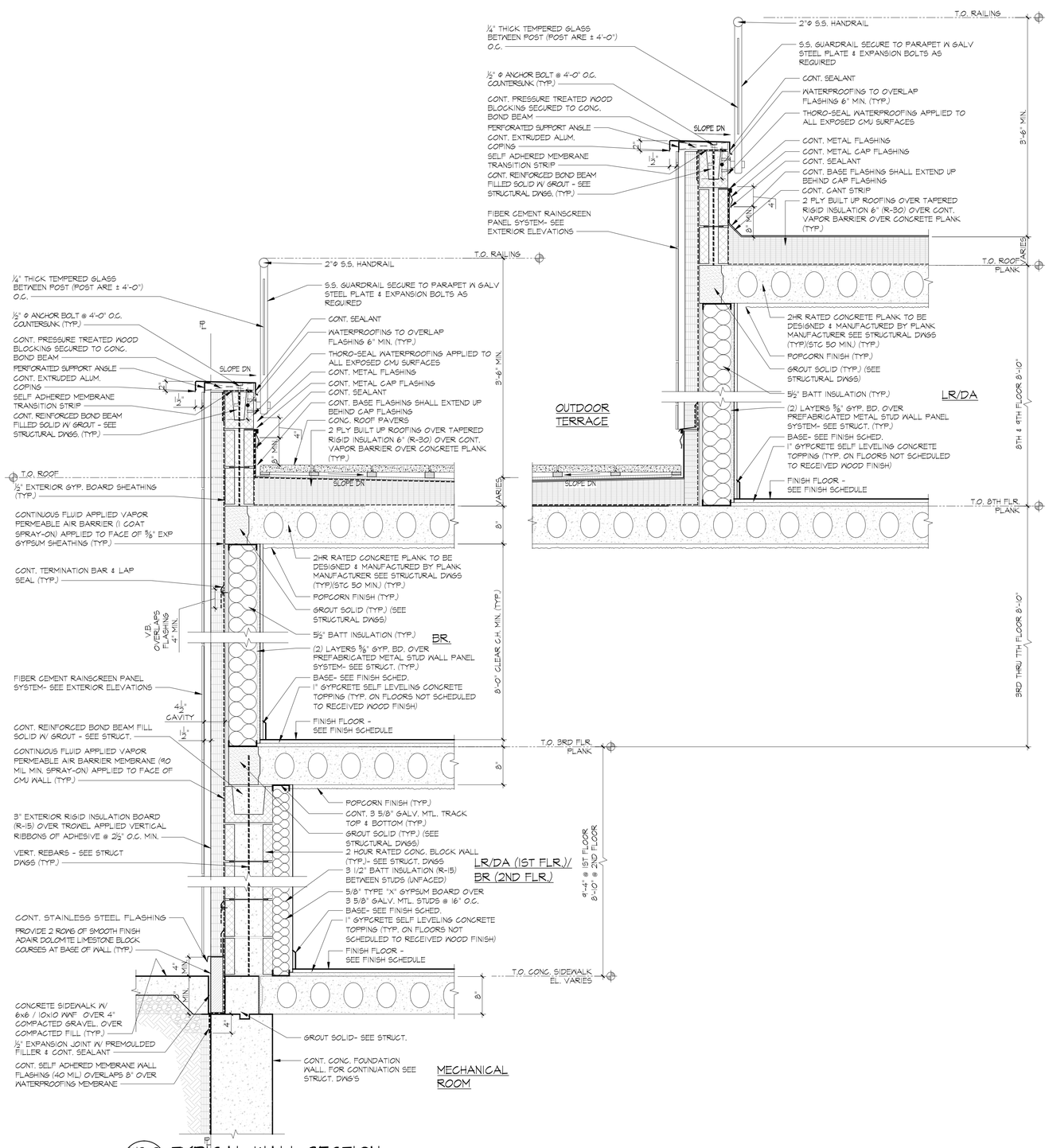
NYC DOB NUMBER: 121191780



WS-1 TYPICAL WALL SECTION

SCALE : 1" = 1'-0"

A-101 THRU 105



WS-2 TYPICAL WALL SECTION

SCALE : 1" = 1'-0"

A-101 THRU 105

PROPOSED NEW DEVELOPMENT FOR:

487 WEST 129TH STREET
478 WEST 130TH STREET
NEW YORK, NEW YORK

BLOCK: 1969 LOT: 6

ARCHITECT:

AUFGANG ARCHITECTS LLC
49 NORTH AIRMONT RD.
SUFFERN, NY
INFO@AUFGANG.COM 845.368.0004

DEVELOPER:
THE GEORGE OF HARLEM MM LLC
161 Suffolk St.
New York, NY 10002
Tel. 212-477-3057

STRUCTURAL ENGINEER:
BROOKER ENGINEERING, PLLC
76 Lafayette Avenue,
Suffern NY 10901
Tel. 845-357-4411
Fax. 845-357-1896

MEP ENGINEER:
DI BARI ENGINEERING P.C.
99 Main Street
Dobbs Ferry, New York 10522
Tel. 914-479-9705
Fax. 914-479-1234

AUFGANG ARCHITECTS

DATE	SUBMISSIONS / REVISIONS
1-15-15	ISSUED AS PER DOB COMMENTS
11-13-14	ISSUED TO CLIENT FOR PRICING
09-02-14	ISSUED TO D.O.B. FOR REVIEW & COMMENT

SHEET TITLE:

TYPICAL WALL SECTIONS

THIS DRAWING IS AN INSTRUMENT OF SERVICE AND SHALL REMAIN THE PROPERTY OF AUFGANG ARCHITECTS LLC, WHETHER THE PROJECT FOR WHICH IT IS MADE IS EXECUTED OR NOT. THIS DRAWING SHALL NOT BE USED BY THE OWNER OR OTHERS ON OTHER PROJECTS, FOR ADDITIONS TO THIS PROJECT OR FOR COMPLETION OF THIS PROJECT BY OTHERS EXCEPT BY AGREEMENT IN WRITING WITH AUFGANG ARCHITECTS LLC. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF THE RIGHTS OF AUFGANG ARCHITECTS LLC. REPRODUCTION OR PUBLICATION BY ANY METHOD IN WHOLE OR IN PART IS PROHIBITED. TITLE TO THIS DRAWING BELONGS TO AUFGANG ARCHITECTS LLC, WITHOUT PREJUDICE.

SEAL & SIGNATURE

REGISTERED ARCHITECT ARIEL AUFGANG 027789 STATE OF NEW YORK

ISSUE DATE: 07-16-14

PROJECT NO: #1214

DRAWN BY: NJB

CHECKED BY: PC

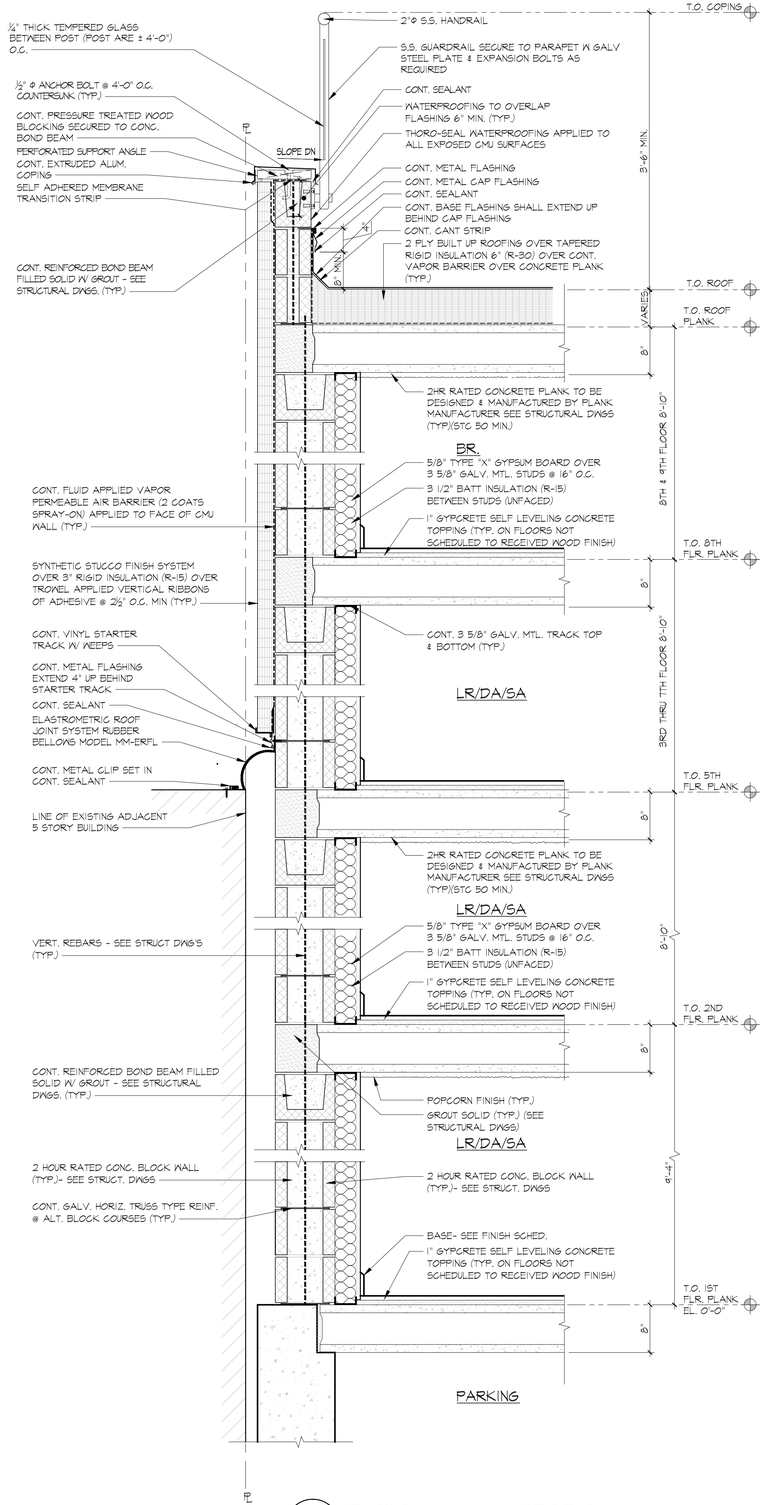
SCALE: AS NOTED

SHEET NO: XX of XX

DRAWING NO:

A-400.00

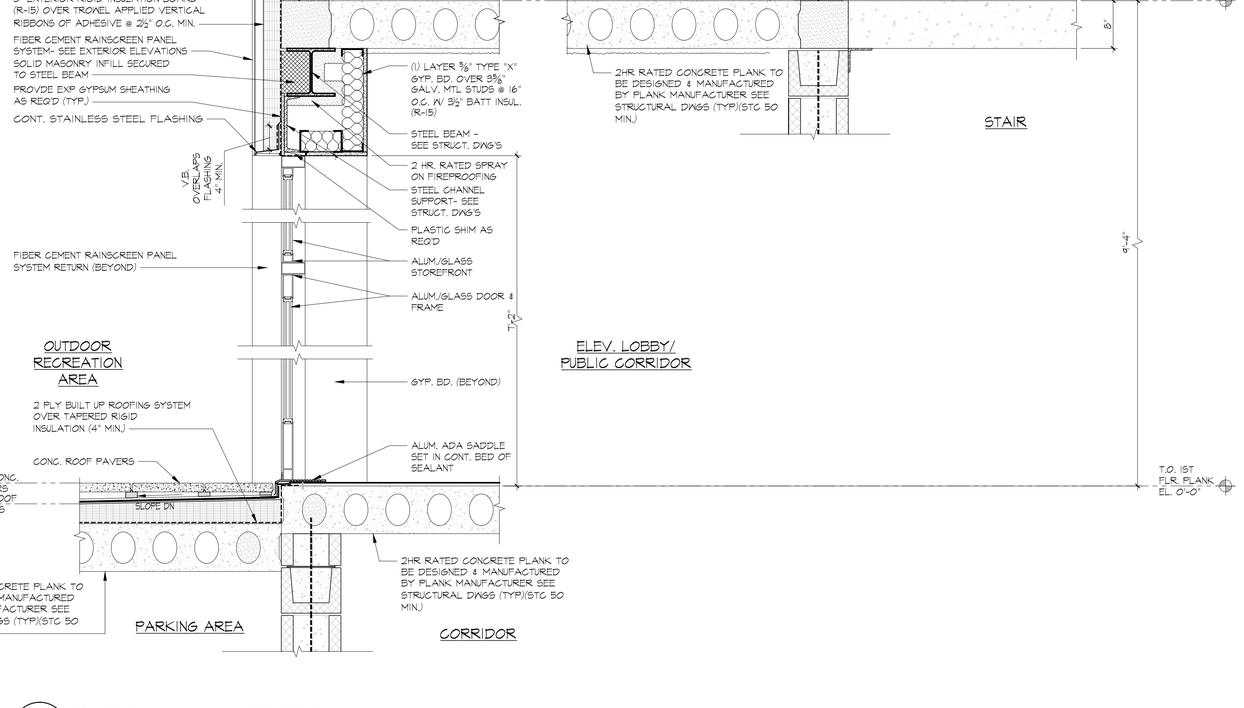
NYC DOB NUMBER: 121191780



WS-3 TYPICAL WALL SECTION

SCALE : 1" = 1'-0"

A-101 THRU 105



WS-4 TYPICAL WALL SECTION

SCALE : 1" = 1'-0"

A-101 THRU 105

PROPOSED NEW DEVELOPMENT FOR:

487 WEST 129TH STREET
478 WEST 130TH STREET
NEW YORK, NEW YORK

BLOCK: 1969 LOT: 6

ARCHITECT:

AUFGANG ARCHITECTS LLC
49 NORTH AIRMONT RD.
SUFFERN, NY
INFO@AUFGANG.COM 845.368.0004

DEVELOPER:
THE GEORGE OF HARLEM MM LLC
161 Suffolk St.
New York, NY 10002
Tel. 212-477-3057

STRUCTURAL ENGINEER:
BROOKER ENGINEERING, PLLC
76 Lafayette Avenue,
Suffern NY 10901
Tel. 845-357-4411
Fax. 845-357-1896

MEP ENGINEER:
DI BARI ENGINEERING P.C.
99 Main Street
Dobbs Ferry, New York 10522
Tel. 914-479-9705
Fax. 914-479-1234

AUFGANG ARCHITECTS

DATE	SUBMISSIONS / REVISIONS
1-15-15	ISSUED AS PER DOB COMMENTS
11-13-14	ISSUED TO CLIENT FOR PRICING
09-02-14	ISSUED TO D.O.B. FOR REVIEW & COMMENT

SHEET TITLE:

TYPICAL WALL SECTIONS

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SEAL & SIGNATURE

REGISTERED ARCHITECT ARIEL AUFGANG 032789 STATE OF NEW YORK

ISSUE DATE: 07-16-14

PROJECT NO: #1214

DRAWN BY: NJB

CHECKED BY: PC

SCALE: AS NOTED

SHEET NO: XX of XX

DRAWING NO: A-401.00

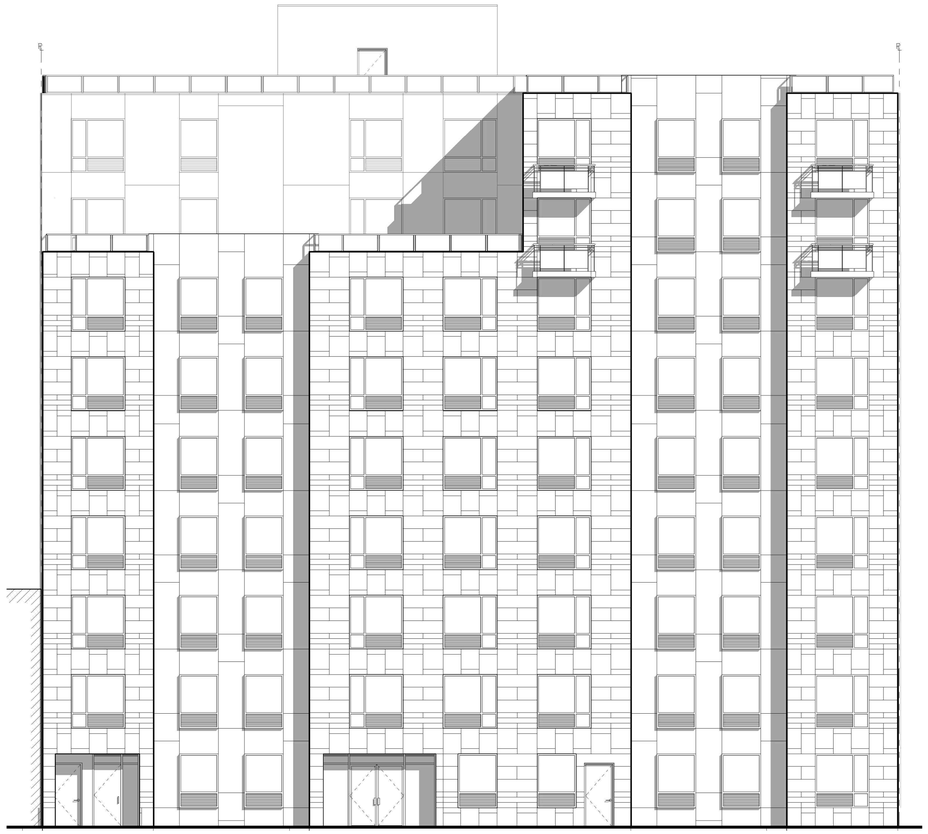
NYC DOB NUMBER: 121191780

PROPOSED HOUSING DEVELOPMENT FOR:

W. 130TH STREET

478 WEST 130TH STREET, NEW YORK, NEW YORK

BUILDING "B"



FRONT ELEVATION

NOT TO SCALE

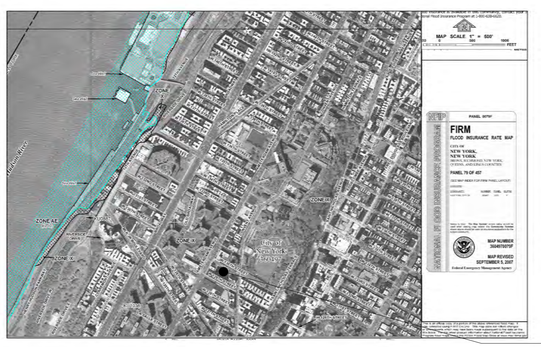
DRAWING SCHEDULE:

ARCHITECTURAL

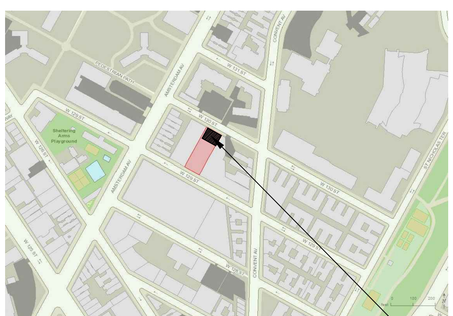
T-001	COVER SHEET
C-001	SURVEY
C-002	SCHEMATIC SITE PLAN
C-003	PARKING PLAN
Z-001	ZONING ANALYSIS
Z-002	ZONING ANALYSIS
EN-001	ENERGY ANALYSIS
A-001	GENERAL NOTES
A-002	ACCESSIBILITY DIAGRAMS
A-003	ACCESSIBILITY DIAGRAMS
A-004	EGRESS PLANS
A-101	CELLAR PLAN
A-102	BASEMENT PLAN
A-103	FIRST FLOOR PLAN
A-104	2ND FLOOR PLAN
A-105	3RD THRU 7TH FLOOR PLAN
A-106	8TH & 9TH FLOOR PLAN
A-107	ROOF PLAN
A-200	FRONT ELEVATION
A-201	REAR ELEVATION
A-202	SIDE ELEVATION - WEST
A-203	SIDE ELEVATION - EAST
A-210	BUILDING CROSS SECTION
A-400	TYPICAL WALL SECTION
A-510	KITCHEN ELEVATIONS AND DETAILS
A-511	BATHROOM ELEVATIONS & DETAILS
A-512	MISCELLANEOUS INTERIOR DETAILS
A-600	DOOR & FINISH SCHEDULE
A-601	WINDOW SCHEDULE

STRUCTURAL

FO-001	FOUNDATION PLAN
FO-101	FOUNDATION DETAILS
FO-102	FOUNDATION DETAILS
FO-104	FOUNDATION DETAILS
S-002	CELLAR 1 FRAMING PLAN
S-003	BASEMENT FRAMING PLAN
S-004	1ST FLOOR FRAMING PLAN
S-005	2ND FLOOR FRAMING PLAN
S-006	3RD FLOOR FRAMING PLAN
S-007	4TH -7TH FLOOR FRAMING PLAN
S-008	8TH FLOOR FRAMING PLAN
S-009	9TH FLOOR FRAMING PLAN
S-010	ROOF FRAMING PLAN
S-101	MASONRY DETAILS AND NOTES
S-102	MASONRY DETAILS AND NOTES
S-201	STEEL DETAILS AND NOTES
S-301	PLANK DETAILS AND NOTES
S-302	PLANK DETAILS AND NOTES
S-303	PLANK DETAILS AND NOTES



THIS SITE DOES NOT FALL UNDER A FLOOD HAZARD AS PER
FLOOD INSURANCE RATE MAP #3604970079F



VICINITY MAP

NOT TO SCALE

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DATE: 11-03-14

PROPOSED NEW
DEVELOPMENT FOR:

478 WEST 130TH STREET
NEW YORK, NEW YORK

BLOCK: 1969 LOT: 6

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DATE	SUBMISSIONS / REVISIONS
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09-02-14	ISSUED TO D.O.B. FOR REVIEW & COMMENT

SHEET TITLE:

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SEAL & SIGNATURE

ISSUE DATE:	07-16-14
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CHECKED BY:	PC
SCALE:	AS NOTED
SHEET NO:	XX of XX

DRAWING NO:

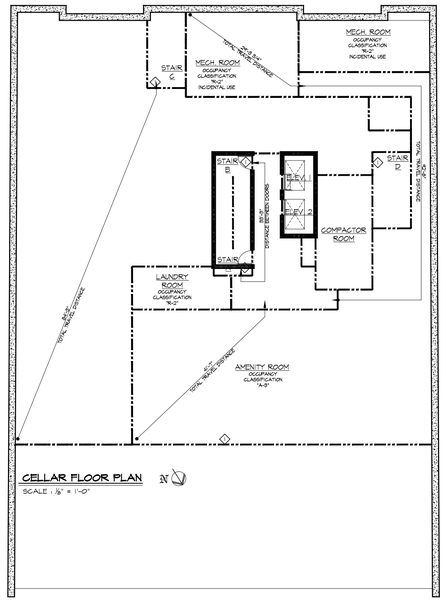
T-001.00

NYC DOB NUMBER:

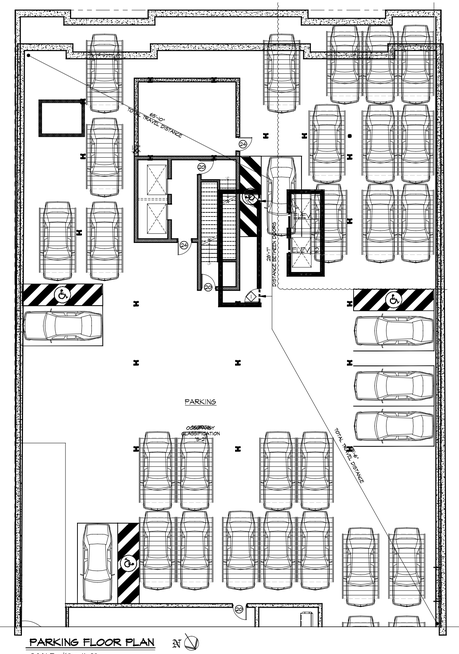
FIRE PROTECTION:
BUILDING IS FULLY SPRINKLERED AND EQUIPPED WITH AN ALTERNATIVE FIRE EXTINGUISHING SYSTEM, A STAND PIPE SYSTEM, SMOKE VENTS, A FIRE ALARM AND DETECTION SYSTEM & A FIRE COMMAND CENTER. IN COMPLIANCE WITH THE NYC BUILDING CODE, NYC FIRE CODE & LOCAL FIRE DEPARTMENT REQUIREMENTS .

EGRESS NOTES: CHAPTER 10

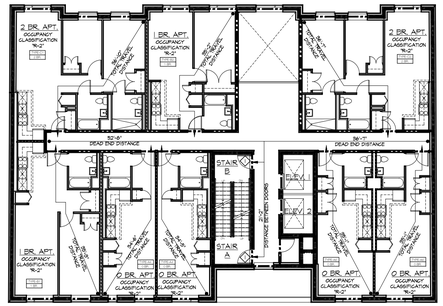
1. MEANS OF EGRESS SHALL HAVE A CEILING HEIGHT NOT LESS THAN 7'-6" (BC 1003).
2. OCCUPANT LOAD AS DETERMINED ON TABLE 1004.1.2
3. EXIT AND ACCESS REQUIREMENTS ARE TO BE CALCULATED AS PER TABLE 1005.1 AS PER SECTION BC 1005.
4. EXITS, EXIT DISCHARGES AND PUBLIC CORRIDORS SHALL BE ILLUMINATED AT ALL TIMES, AS PER BC 1006.
   - 4.A. PUBLIC CORRIDORS AND EXITS SHALL BE PROVIDED WITH ARTIFICIAL LIGHT FIXTURES SUPPLYING AT LEAST TWO FOOT CANDLES MEASURED AT THE FLOOR LEVEL, TO BE MAINTAINED CONTINUOSLY THROUGHOUT EXITS AND THEIR ACCESS FACILITIES FOR THEIR FULL LENGTH (BC 1006.2).
   - 4.B. EXIT LIGHTING, EXIT SIGNS & THE PORTION OF THE EXTERIOR EXIT DISCHARGE IMMEDIATELY ADJACENT TO EXIT DISCHARGE DOORWAYS SHALL BE CONNECTED TO AN EMERGENCY POWER SYSTEM FOR A DURATION NOT LESS THAN 90 MINUTES & SHALL CONSIST OF STORAGE BATTERIES, UNIT EQUIPMENT OR AN ON-SITE GENERATOR. (BC 1006.3).
5. ALL EXITS SHALL BE KEPT READILY ACCESSIBLE AND UNOBSTRUCTED AT ALL TIMES AS PER SECTION BC 1007.
6. DOORS ARE TO COMPLY WITH ALL APPLICABLE REQUIREMENTS OF SECTION BC 1008 INCLUDING, BUT NOT LIMITED TO THE FOLLOWING:
   - 6.A. CLEAR OPENING OF 32"(MIN.) IS REQUIRED AND SHALL BE MEASURED BETWEEN THE FACE OF THE DOOR AND THE STOP, WITH THE DOOR OPEN 90 DEGREES. (SECTION BC 1008.1.1).
   - 6.B. DOOR HEIGHT NOT TO BE LESS THAN 6'-8" (BC 1008.1.1.3).
   - 6.C. ALL EXIT DOORS ARE TO OPEN IN THE DIRECTION OF EGRESS (1008.1.2.2) FLOOR LEVELS ON BOTH SIDES OF ALL EXIT AND CORRIDOR DOORS ARE TO BE LEVEL AND AT THE SAME ELEVATION FOR A DISTANCE AT LEAST EQUAL TO THE WIDTH OF THE DOOR (1008.1.4).
   - 6.D. EXIT DOORS SHALL BE READILY OPENABLE AT ALL TIMES FROM THE SIDE FWIGH EGRESS IS TO BE MADE. DOORS OPENING ONTO INTERIOR ENCLOSED STAIRS SHALL NOT BE LOCKED FROM EITHER SIDE EXCEPT THAT DOORS MAY BE LOCKED TO PREVENT ACCESS TO THE STAIR FROM THE OUTSIDE AT STREET LEVEL AS PER SECTION 1008.1.8.
   - 6.E. PANIC AND FIRE EXIT HARDWARE SHALL BE INSTALLED ON ALL EGRESS DOORS FROM OCCUPANCY GROUP "A" OR "E" HAVING AN OCCUPANT LOAD OF 75 PEOPLE OR MORE AS PER SECTION 1008.1.9.
   - 6.F. REQUIRED EXITS & SMOKE DOORS ARE TO BE SELF-CLOSING (BC 715.3.7) WITH A 1-1/2 HOUR FIRE PROTECTION RATING (TABLE 715.3), EXCEPT IN THE FIRST STORY OF EXTERIOR WALLS FACING A STREET THAT HAVE A FIRE SEPARATION DISTANCE OF GREATER THAN 15'-0" (BC 704.8.2) THEN DOORS NEED NOT TO BE RATED.
7. STAIRWAYS SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS STATED IN SECTIONS BC 1009 & 1019 INCLUDING, BUT NOT LIMITED TO THE FOLLOWING:
   - 7.A. STAIR WIDTH SHALL BE DETERMINED AS SPECIFIED IN SECTION 1005.1, BUT SUCH WIDTH SHALL NOT BE LESS THAN 44" (BC 1009.1) OR 36" (BC 1009.1.1.2).
   - 7.B. AREA OF RESCUE ASSISTANCE SHALL BE 30" X 48" FOR EACH 200 OCCUPANTS. AS PER SECTION 1007.6.1.
   - 7.C. THE CLEAR HEADROOM SHALL BE AT LEAST 6'-8" MINIMUM, AS SPECIFIED IN SECTION 1009.2.1 (R-2 OCCUPANCY).
   - 7.D. LANDINGS AND PLATFORMS PROVIDED AT THE HEAD AND FOOT OF EACH FLIGHT OF STAIRS SHALL HAVE A MINIMUM WIDTH PERPENDICULAR TO THE DIRECTION OF TRAVEL, OF AT LEAST THE WIDTH OF THE STAIR. IN STRAIGHT RUN STAIRS, THE DISTANCE BETWEEN STAIRS WITHIN THE RUN SHALL NEED NOT BE MORE THAN 48". NO DOOR SHALL SWING ONTO A LANDING AND REDUCE THE EGRESS REQUIRED CLEAR WIDTH OF THE STAIR OR STAIR PLATFORM TO BE LESS THAN 75% OF THE REQUIRED WIDTH, OR WHEN FULLY OPEN, THE DOOR SHALL NOT PROJECT MORE THAN 7" INTO THE LANDING AS PER SECTION 1009.4.
   - 7.E. RISERS, TREADS, STRINGERS, LANDINGS, PLATFORMS AND GUARDS EXCLUSIVE OF HANDRAILS, SHALL BE BUILT OF NONCOMBUSTIBLE MATERIALS. WHEN TWO STAIRS ARE CONTAINED WITHIN THE SAME ENCLOSURE, EACH STAIR SHALL BE SEPARATED FROM THE OTHER BY NONCOMBUSTIBLE CONSTRUCTION HAVING A FIRE RESISTANCE RATING EQUAL TO THAT REQUIRED FOR THE STAIR ENCLOSURE (BC 1009.5).
   - 7.F. STAIRS SHALL HAVE HANDRAILS ON EACH SIDE (EXCEPT STAIRS LESS THAN 44" IN WIDTH) HAVING FINGER CLEARANCE OF 1-1/2" MIN. PROJECTING NOT MORE THAN 4-1/2" INTO THE REQUIRED STAIR WIDTH. HEIGHT OF HANDRAIL SHALL BE UNIFORM, NOT LESS THAN 34" AND NOT MORE THAN 38" MEASURED ABOVE THE STAIR TREAD NOSING. HANDRAILS SHALL BE DESIGNED IN COMPLIANCE WITH SECTION 1009.11.
   - 7.G. THE MAXIMUM VERTICAL RISE OF A SINGLE FLIGHT OF STAIRS BETWEEN FLOORS IS NOT TO EXCEED 12' EXCEPT IN OCCUPANCY GROUP A AND I WHERE THE VERTICAL RISE IS NOT TO EXCEED 8'-0" (SECTION 1009.6).
   - 7.H. ALL INTERIOR STAIRS SHALL EXTEND UP TO THE ROOF (BC 1009.12.1).
   - 7.I. INTERIOR REQUIRED STAIRS EXTENDING TO THE ROOF SHALL BE VENTED AS PER THE REQUIREMENTS OF SECTION 910.5.
   - 7.J. STAIR EXIT DOORS SHALL BE PLACED A DISTANCE APART EQUAL TO NO LESS THAN 1/3-0" IN R2 OCCUPANCY (SECTION 1014.2.1.3).
8. EGRESS CORRIDORS SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS STATED IN SECTIONS BC 1011, 1013 THRU 1018, 1020 THRU 1023, 1024 & 1026 INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
   - 8.A. PROTRUDING OBJECTS ARE PERMITTED TO EXTEND BELOW THE MIN. CEILING HEIGHT REQUIRED PROVIDE THAT A MIN. HEADROOM OF 7'-0" IN HEIGHT IS REQUIRED OVER ANY WALKING SURFACE NOT MORE THAN 50% OF THE CEILING AREA CAN BE REDUCED IN HEIGHT BY PROTRUDING OBJECTS SO AS TO OBSTRUCT FULL VIEW OF EXIT SIGNS. (SECTION 1003.3.1).
   - 8.B. CORRIDOR WIDTH SHALL BE DETERMINED AS PER SECTION 1005.1, BUT NOT LESS THAN 44".
   - 8.C. DEAD END CORRIDORS SHALL NOT EXCEEDED 80'-0" IN LENGTH (BC 1016.3).
   - 8.D. DOORS WHEN THEY FULLY OPEN & HANDRAILS SHALL NOT REDUCE THE REQUIRED WIDTH BY MORE THAN 7". DOORS IN ANY POSITION SHALL NOT REDUCE THE REQUIRED WIDTH BY MORE THAN 1/2. OTHER NONSTRUCTURAL PROJECTIONS ARE PERMITTED TO PROJECT INTO THE REQUIRED WIDTH 1.5" ON EACH SIDE (BC 1020.2).
   - 8.E. THE FINISHES IN ALL EXITS SHALL BE OF NONCOMBUSTIBLE MATERIALS AS PER CHAPTER 8 AND SUB-SECTION 1003.4 OF SECTION BC 1003.
   - 8.F. THE LOCATION OF EVERY EXIT ON EVERY FLOOR SHALL BE CLEARLY INDICATED BY EXIT SIGNS, (SECTION BC 1011) EXIT SIGN SHALL BE PLACED APART, SO THAT NO POINT IN THE EXIT CORRIDOR IS MORE THAN 100'-0"



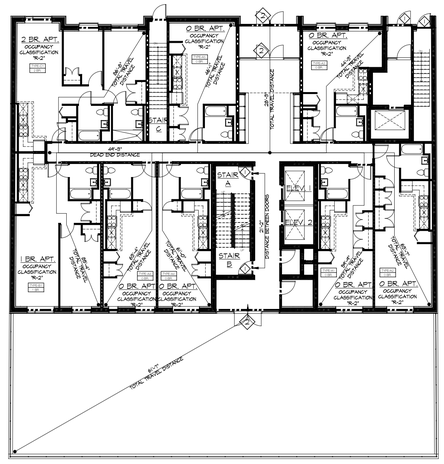
CELLAR FLOOR PLAN
SCALE : 1/8" = 1'-0"



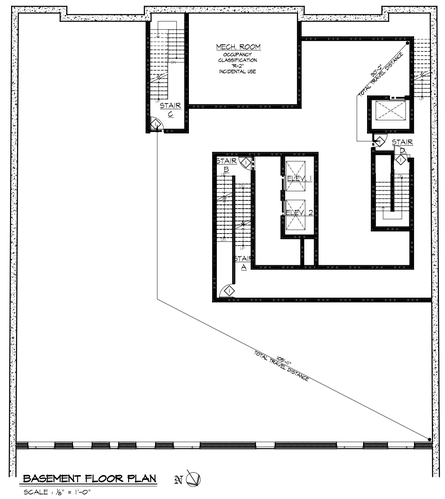
PARKING FLOOR PLAN
SCALE : 1/8" = 1'-0"



2ND FLOOR PLAN
SCALE : 1/8" = 1'-0"



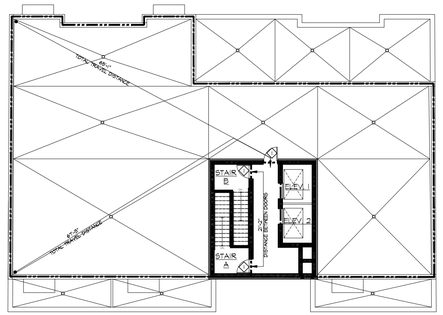
1ST FLOOR PLAN
SCALE : 1/8" = 1'-0"



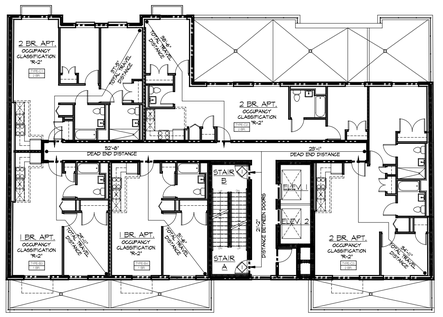
BASEMENT FLOOR PLAN
SCALE : 1/8" = 1'-0"

SYMBOL LEGEND

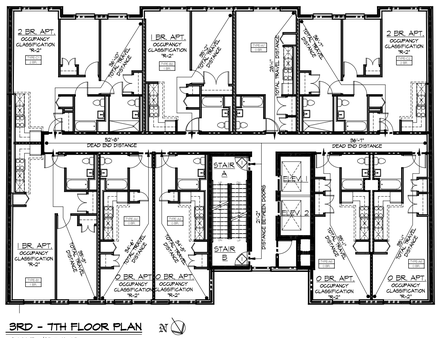
	3 HR RATED WALL
	2 HR RATED WALL
	1 HR RATED WALL
	CEILING MOUNTED EXIT SIGN
	WALL MOUNTED EXIT SIGN
SIGN	SIGN AT ELEVATOR LANDING
1	3'-0" WIDE DOOR (1 LEAF) EXIT CAPACITY = 34" / 0.2 = 170
2	6'-0" WIDE DOOR (2 LEAFS) EXIT CAPACITY = 68" / 0.2 = 340
S	SMOKE DETECTOR
H	HEAT DETECTOR
SCM	SMOKE / CARBON MONOXIDE DETECTOR



ROOF PLAN
SCALE : 1/8" = 1'-0"



8TH - 9TH FLOOR PLAN
SCALE : 1/8" = 1'-0"



3RD - 7TH FLOOR PLAN
SCALE : 1/8" = 1'-0"

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DRAWINGS ARE SUBJECT TO CHANGE
DATE: 11-03-14

PROPOSED NEW DEVELOPMENT FOR:

478 WEST 130TH STREET
NEW YORK, NEW YORK

BLOCK: 1969 LOT: 6

ARCHITECT:
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SUFFERN, NY
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09-02-14	ISSUED TO D.O.B. FOR REVIEW & COMMENT

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EGRESS PLANS

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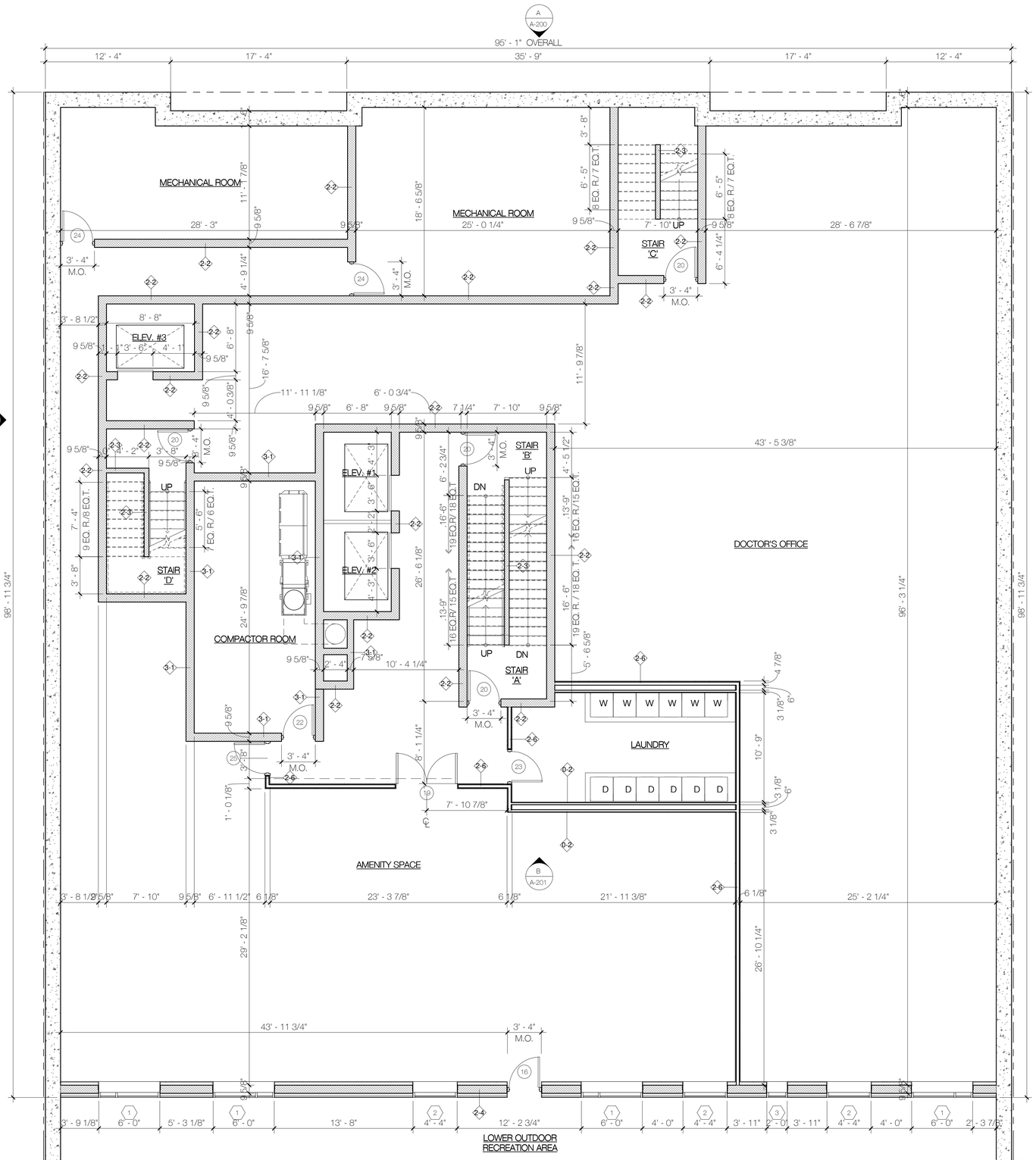

CELLAR FLOOR PLAN
3/16" = 1'-0"

65% PROGRESS SET -
NOT FOR CONSTRUCTION / BID
DRAWINGS ARE SUBJECT TO CHANGE
DATE: 11-03-14

WALL TYPE LEGEND
NON-RATED

0-1 TYPICAL PARTITION - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON EACH SIDE OF 2-1/2" METAL STUDS @ 16" O.C.

0-2 BATHROOM CHASE WALL PARTITION - (1) LAYER 5/8" TYPE "X" WATER RESISTANT GYPSUM BOARD ONE SIDE OF 2-1/2" METAL STUDS @ 16" O.C.

1 HOUR RATED

1-1 1 HOUR RATED TENANT SEPARATION PARTITION - (1) LAYER OF 5/8" TYPE "X" GYPSUM BOARD ON EACH SIDE OF 3-5/8" METAL STUDS @ 16" O.C. WITH 3-1/2" SOUND ATTENUATION INSULATION. EXTEND STUDS & GYPSUM BOARD UP TO UNDERSIDE OF CONCRETE DECK & SEAL TIGHT TO UNDERSIDE OF CONCRETE DECK AND/OR ROOF DECK W/ CONT. FIRESTOP SEALANTS FIRESAFING INSULATION (UL # U419) (STC 51)

1-2 1 HOUR RATED CHASEWALL - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON ONE SIDE OF 2-1/2" METAL STUDS @ 24" O.C. EXTEND GYPSUM BOARD & STUDS UP TO UNDERSIDE OF FLOOR DECK OR ROOF DECK. SEAL TIGHT TO UNDERSIDE OF FLOOR/DECK W/ CONT. FIRESTOP SEALANT. (UL #W402) (PROVIDE INSUL. AS REQ'D TO ACHIEVE A MIN STC RATING OF 50)

1-3 1 HOUR RATED EXTERIOR PARTITION - (2) LAYERS OF 5/8" TYPE "X" GYPSUM BOARD, (INSIDE) 1/2" EXP EXTERIOR GYPSUM BOARD SHEATHING (OUTSIDE) OVER 6" GA 12 GALV. METAL STUDS @ 16" O.C. WITH 5-1/2" BATT INSULATION (UNFACED) (R-15) (UL #U424)

2 HOUR RATED

2-1 2 HOUR RATED INTERIOR PARTITION - (2) LAYERS 5/8" TYPE "X" GYPSUM BOARD ON EACH SIDE 3-5/8" METAL STUDS @ 16" O.C. WITH 3-1/2" SOUND ATTENUATION INSULATION. EXTEND GYPSUM BOARD & STUDS UP TO UNDERSIDE OF FLOOR DECK OR ROOF DECK. SEAL TIGHT TO DECK W/ CONT. FIRESTOP SEALANT & FIRESAFING. (GA FILE #WP-1522 STC 55-59).

2-2 2 HOUR RATED CMU WALL - CMU WITH CONT. GALVANIZED HORIZONTAL TRUSS TYPE REINFORCING AT ALTERNATE BLOCK COURSES. SEAL TOP OF CONCRETE BLOCK WALL TIGHT TO UNDERSIDE OF CONCRETE DECK OR DECK ABOVE WITH CONT. FIRESTOP SEALANT AND FIRESAFING INSULATION WHERE GAP EXIST. BETWEEN TOP OF WALL AND BOTTOM OF DECK (UL #U906)

2-3 2 HOUR RATED INTERIOR PARTITION - (2) LAYERS 5/8" TYPE "X" GYPSUM BOARD ON EACH SIDE 6" METAL STUDS @ 16" O.C. WITH 3-1/2" SOUND ATTENUATION INSULATION. EXTEND GYPSUM BOARD & STUDS UP TO UNDERSIDE OF FLOOR DECK OR ROOF DECK. SEAL TIGHT TO DECK W/ CONT. FIRESTOP SEALANT & FIRESAFING. (GA FILE #WP-1522 STC 55-59).

2-4 2 HOUR RATED EXTERIOR CMU WALL (3-5/8" FURRING) - CMU WITH CONT. GALVANIZED HORIZONTAL TRUSS TYPE REINFORCING AT ALTERNATE BLOCK COURSES. SEAL TOP OF CONCRETE BLOCK WALL TIGHT TO UNDERSIDE OF CONCRETE DECK OR DECK ABOVE WITH CONT. FIRESTOP SEALANT AND FIRESAFING INSULATION WHERE GAP EXIST. BETWEEN TOP OF WALL AND BOTTOM OF DECK (UL #U906) FURRING: (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON 3-5/8" GALV. METAL STUDS @ 16 O.C. WITH 31/2" (R-15) BATT INSULATION UNFACED

2-5 2 HOUR RATED INTERIOR CMU WALL (1/2" FURRING) - CMU WITH CONT. GALVANIZED HORIZONTAL TRUSS TYPE REINFORCING AT ALTERNATE BLOCK COURSES. SEAL TOP OF CONCRETE BLOCK WALL TIGHT TO UNDERSIDE OF CONCRETE DECK OR DECK ABOVE WITH CONT. FIRESTOP SEALANT AND FIRESAFING INSULATION WHERE GAP EXIST. BETWEEN TOP OF WALL AND BOTTOM OF DECK (UL #U906) FURRING: (1) LAYER 5/8" TYPE "X" GYPSUM BOARD OVER 1/2" METAL CHANNELS @ 16" O.C.

2-6 2 HOUR RATED INTERIOR CMU WALL (1/2" FURRING) - CMU WITH CONT. GALVANIZED HORIZONTAL TRUSS TYPE REINFORCING AT ALTERNATE BLOCK COURSES. SEAL TOP OF CONCRETE BLOCK WALL TIGHT TO UNDERSIDE OF CONCRETE DECK OR DECK ABOVE WITH CONT. FIRESTOP SEALANT AND FIRESAFING INSULATION WHERE GAP EXIST. BETWEEN TOP OF WALL AND BOTTOM OF DECK (UL #U906) FURRING: (1) LAYER 5/8" TYPE "X" GYPSUM BOARD OVER 1-1/2" METAL STUDS @ 16" O.C.

3 HOUR RATED

3-1 3 HOUR RATED WALL - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD OVER 7/8" METAL HAT CHANNELS @ 24" O.C. OVER 2 HR RATED CONCRETE WALL WITH CONT. GALVANIZED HORIZONTAL TRUSS TYPE REINFORCING AT ALTERNATE COURSES. SEAL TOP OF CONCRETE BLOCK WALL TIGHT TO UNDERSIDE OF CONCRETE FLOOR DECK ABOVE WITH CONT. FIRESTOP SEALANT AND FIRESAFING INSULATION WHERE A GAP EXISTS BETWEEN TOP OF WALL AND BOTTOM OF CONCRETE DECK. (UL #U914) (PROVIDE STC RATING OF 50-54 COMPACTOR CHUTE FOR SHAFT ADJACENT TO DWELLING UNITS)

LEGEND:
- CONCRETE BLOCK WALL
- CONCRETE FOUNDATION WALL
- MASONRY VENEER
- GYPSUM BOARD PARTITION - SEE PLAN FOR SIZE.
- X-X PARTITION - SEE WALL TYPE LEGEND
- P A HANDICAP ACCESSIBLE APARTMENT UNIT
- P H.V.I HANDICAP - HEARING & VISUALLY IMPAIRED UNIT
- WX WINDOW - SEE WINDOW SCHEDULE ON DWG. A-601
- X DOOR & FRAME - SEE DOOR SCHEDULE DRAWING A-600
- SCM CARBON MONOXIDE DETECTOR
- EXIT LIGHT AND SIGN - CEILING MOUNTED
- SUSPENDED GYPSUM BOARD

REMOVABLE KITCHEN BASE CABINET - 2'-6" WIDE x 2'-0" DEEP

30"x48" CLEAR FLOOR SPACE

"T" FLOOR TURNING SPACE

5'-0" DIAMETER CLEAR HANDICAP FLOOR TURNING SPACE.

REVERSABLE DOOR SWING MORTISE HINGE & LATCH BLANKS

PROPOSED NEW DEVELOPMENT FOR:

478 WEST 130TH STREET
NEW YORK, NEW YORK
BLOCK: 1969 LOT: 5

ARCHITECT:
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11-03-14	ISSUED CLIENT FOR PRICING
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SHEET TITLE:

CELLAR PLAN

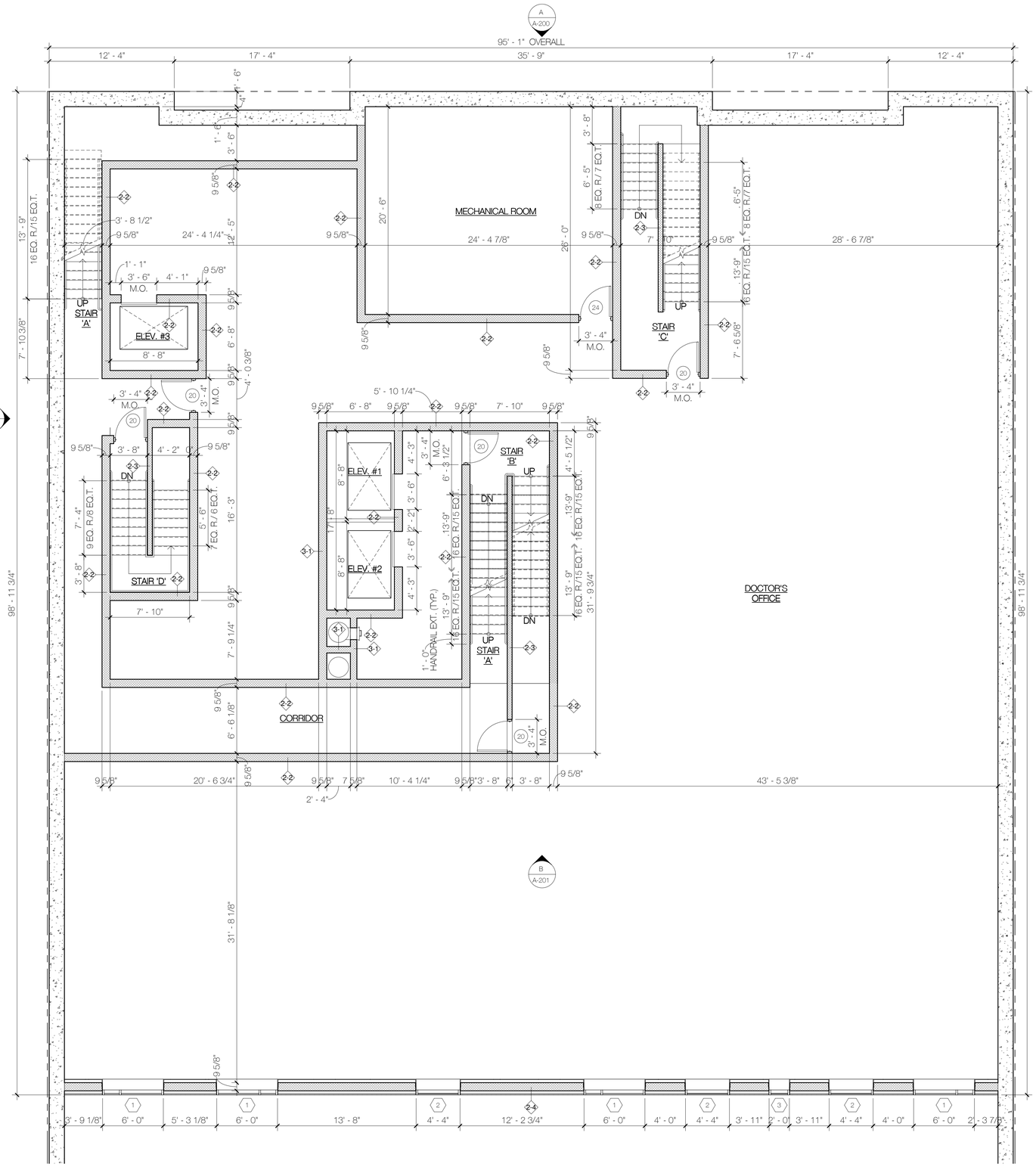
THIS DRAWING IS AN INSTRUMENT OF SERVICE AND SHALL REMAIN THE PROPERTY OF AUFGANG ARCHITECTS LLC, WHETHER THE PROJECT FOR WHICH IT IS MADE IS EXECUTED OR NOT. THIS DRAWING SHALL NOT BE USED BY THE OWNER OR OTHERS ON OTHER PROJECTS, FOR ADDITIONS TO THIS PROJECT OR FOR COMPLETION OF THIS PROJECT BY OTHERS EXCEPT BY AGREEMENT IN WRITING WITH AUFGANG ARCHITECTS LLC. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF THE RIGHTS OF AUFGANG ARCHITECTS LLC. REPRODUCTION OR PUBLICATION BY ANY METHOD IN WHOLE OR IN PART IS PROHIBITED. TITLE TO THIS DRAWING BELONGS TO AUFGANG ARCHITECTS LLC. WITHOUT PREJUDICE.

SEAL & SIGNATURE

ISSUE DATE:	PROJECT NO:
07-16-14	#1214
DRAWN BY:	CHECKED BY:
NJB	PC
SCALE:	SHEET NO:
AS NOTED	XX OF XX

DRAWING NO: A-101.00

NYC DOB NUMBER:



WALL TYPE LEGEND
NON-RATED

1-1 TYPICAL PARTITION - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON EACH SIDE OF 2-1/2" METAL STUDS @ 16" O.C.

1-2 BATHROOM CHASE WALL PARTITION - (1) LAYER 5/8" TYPE "X" WATER RESISTANT GYPSUM BOARD ONE SIDE OF 2-1/2" METAL STUDS @ 16" O.C.

1 HOUR RATED

1-1 1 HOUR RATED TENANT SEPARATION PARTITION - (1) LAYER OF 5/8" TYPE "X" GYPSUM BOARD ON EACH SIDE OF 3-5/8" METAL STUDS @ 16" O.C. WITH 3-1/2" SOUND ATTENUATION INSULATION. EXTEND STUDS & GYPSUM BOARD UP TO UNDERSIDE OF CONCRETE DECK & SEAL TIGHT TO UNDERSIDE OF CONCRETE DECK AND/OR ROOF DECK W/ CONT. FIRESTOP SEALANTS FIRESAFING INSULATION (UL # U419) (STC 51)

1-2 1 HOUR RATED CHASEWALL - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON ONE SIDE OF 2-1/2" METAL STUDS @ 24" O.C. EXTEND GYPSUM BOARD & STUDS UP TO UNDERSIDE OF FLOOR DECK OR ROOF DECK. SEAL TIGHT TO UNDERSIDE OF FLOOR/DECK W/ CONT. FIRESTOP SEALANT. (UL #W402) (PROVIDE INSUL. AS REQ'D TO ACHIEVE A MIN STC RATING OF 50)

1-3 1 HOUR RATED EXTERIOR PARTITION - (2) LAYERS OF 5/8" TYPE "X" GYPSUM BOARD, (INSIDE) 1/2" EXP EXTERIOR GYPSUM BOARD SHEATHING (OUTSIDE) OVER 6" GA 12 GALV. METAL STUDS @ 16" O.C. WITH 5-1/2" BATT INSULATION (UNFACED) (R-15) (UL #U424)

2 HOUR RATED

2-1 2 HOUR RATED INTERIOR PARTITION - (2) LAYERS 5/8" TYPE "X" GYPSUM BOARD ON EACH SIDE 3-5/8" METAL STUDS @ 16" O.C. WITH 3-1/2" SOUND ATTENUATION INSULATION. EXTEND GYPSUM BOARD & STUDS UP TO UNDERSIDE OF FLOOR DECK OR ROOF DECK. SEAL TIGHT TO DECK W/ CONT. FIRESTOP SEALANT & FIRESAFING. (GA FILE #WP-1522 STC 55-59).

2-2 2 HOUR RATED CMU WALL - CMU WITH CONT. GALVANIZED HORIZONTAL TRUSS TYPE REINFORCING AT ALTERNATE BLOCK COURSES. SEAL TOP OF CONCRETE BLOCK WALL TIGHT TO UNDERSIDE OF CONCRETE DECK OR DECK ABOVE WITH CONT. FIRESTOP SEALANT AND FIRESAFING INSULATION WHERE GAP EXIST. BETWEEN TOP OF WALL AND BOTTOM OF DECK (UL #U906)

2-3 2 HOUR RATED INTERIOR PARTITION - (2) LAYERS 5/8" TYPE "X" GYPSUM BOARD ON EACH SIDE 6" METAL STUDS @ 16" O.C. WITH 3-1/2" SOUND ATTENUATION INSULATION. EXTEND GYPSUM BOARD & STUDS UP TO UNDERSIDE OF FLOOR DECK OR ROOF DECK. SEAL TIGHT TO DECK W/ CONT. FIRESTOP SEALANT & FIRESAFING. (GA FILE #WP-1522 STC 55-59).

2-4 2 HOUR RATED EXTERIOR CMU WALL (3-5/8" FURRING) - CMU WITH CONT. GALVANIZED HORIZONTAL TRUSS TYPE REINFORCING AT ALTERNATE BLOCK COURSES. SEAL TOP OF CONCRETE BLOCK WALL TIGHT TO UNDERSIDE OF CONCRETE DECK OR DECK ABOVE WITH CONT. FIRESTOP SEALANT AND FIRESAFING INSULATION WHERE GAP EXIST. BETWEEN TOP OF WALL AND BOTTOM OF DECK (UL #U906) FURRING: (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON 3-5/8" GALV. METAL STUDS @ 16 O.C. WITH 31/2" (R-15) BATT INSULATION UNFACED

2-5 2 HOUR RATED INTERIOR CMU WALL (1/2" FURRING) - CMU WITH CONT. GALVANIZED HORIZONTAL TRUSS TYPE REINFORCING AT ALTERNATE BLOCK COURSES. SEAL TOP OF CONCRETE BLOCK WALL TIGHT TO UNDERSIDE OF CONCRETE DECK OR DECK ABOVE WITH CONT. FIRESTOP SEALANT AND FIRESAFING INSULATION WHERE GAP EXIST. BETWEEN TOP OF WALL AND BOTTOM OF DECK (UL #U906) FURRING: (1) LAYER 5/8" TYPE "X" GYPSUM BOARD OVER 1/2" METAL CHANNELS @ 16" O.C.

2-6 2 HOUR RATED INTERIOR CMU WALL (1/2" FURRING) - CMU WITH CONT. GALVANIZED HORIZONTAL TRUSS TYPE REINFORCING AT ALTERNATE BLOCK COURSES. SEAL TOP OF CONCRETE BLOCK WALL TIGHT TO UNDERSIDE OF CONCRETE DECK OR DECK ABOVE WITH CONT. FIRESTOP SEALANT AND FIRESAFING INSULATION WHERE GAP EXIST. BETWEEN TOP OF WALL AND BOTTOM OF DECK (UL #U906) FURRING: (1) LAYER 5/8" TYPE "X" GYPSUM BOARD OVER 1-1/2" METAL STUDS @ 16" O.C.

3 HOUR RATED

3-1 3 HOUR RATED WALL - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD OVER 7/8" METAL HAT CHANNELS @ 24" O.C. OVER 2 HR RATED CONCRETE WALL WITH CONT. GALVANIZED HORIZONTAL TRUSS TYPE REINFORCING AT ALTERNATE COURSES. SEAL TOP OF CONCRETE BLOCK WALL TIGHT TO UNDERSIDE OF CONCRETE FLOOR DECK ABOVE WITH CONT. FIRESTOP SEALANT AND FIRESAFING INSULATION WHERE A GAP EXISTS BETWEEN TOP OF WALL AND BOTTOM OF CONCRETE DECK. (UL #U914) (PROVIDE STC RATING OF 50-54 COMPACTOR CHUTE FOR SHAFT ADJACENT TO DWELLING UNITS)

LEGEND:

- CONCRETE BLOCK WALL
- CONCRETE FOUNDATION WALL
- MASONRY VENEER
- GYPSUM BOARD PARTITION - SEE PLAN FOR SIZE.
- X-X PARTITION - SEE WALL TYPE LEGEND
- A HANDICAP ACCESSIBLE APARTMENT UNIT
- H.V.I HANDICAP - HEARING & VISUALLY IMPAIRED UNIT
- WX WINDOW - SEE WINDOW SCHEDULE ON DWG. A-601
- X DOOR & FRAME - SEE DOOR SCHEDULE DRAWING A-600
- CO/A CARBON MONOXIDE DETECTOR
- EXIT LIGHT AND SIGN - CEILING MOUNTED
- SUSPENDED GYPSUM BOARD

REMOVABLE KITCHEN BASE CABINET - 2'-6" WIDE x 2'-0" DEEP

30"x48" CLEAR FLOOR SPACE

"T" FLOOR TURNING SPACE

5'-0" DIAMETER CLEAR HANDICAP FLOOR TURNING SPACE.

REVERSABLE DOOR SWING MORTISE HINGE & LATCH BLANKS

65% PROGRESS SET -
NOT FOR CONSTRUCTION / BID
DRAWINGS ARE SUBJECT TO CHANGE
DATE: 11-03-14

PROPOSED NEW DEVELOPMENT FOR:

478 WEST 130TH STREET
NEW YORK, NEW YORK

BLOCK: 1969 LOT: 5

ARCHITECT:
AUFGANG ARCHITECTS LLC
49 NORTH AIRMONT RD.
SUFFERN, NY
INFO@AUFGANG.COM 845.368.0004

DEVELOPER:
NAME
ADDRESS
CITY, STATE, ZIP
TEL.
FAX.

STRUCTURAL ENGINEER:
BROOKER ENGINEERING, PLLC
76 Lafayette Avenue
Suffern, New York 10901
Tel. 845-357-4411
FAX. 845-357-1896

MEP ENGINEER:
DI BARI ENGINEERING P.C.
99 Main Street
Dobbs Ferry, New York 10952
TEL. 914-479-9705
FAX. 914-479-1234

AUFGANG ARCHITECTS

DATE	SUBMISSIONS / REVISIONS
11-03-14	ISSUED CLIENT FOR PRICING
09-02-14	ISSUED TO D.O.B. FOR REVIEW & COMMENT

SHEET TITLE:

BASEMENT PLAN

THIS DRAWING IS AN INSTRUMENT OF SERVICE AND SHALL REMAIN THE PROPERTY OF AUFGANG ARCHITECTS LLC, WHETHER THE PROJECT FOR WHICH IT IS MADE IS EXECUTED OR NOT. THIS DRAWING SHALL NOT BE USED BY THE OWNER OR OTHERS ON OTHER PROJECTS, FOR ADDITIONS TO THIS PROJECT OR FOR COMPLETION OF THIS PROJECT BY OTHERS EXCEPT BY AGREEMENT IN WRITING WITH AUFGANG ARCHITECTS LLC. SUBMISSION OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS OR FOR OTHER PURPOSES IN CONNECTION WITH THE PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF THE RIGHTS OF AUFGANG ARCHITECTS LLC. REPRODUCTION OR PUBLICATION BY ANY METHOD IN WHOLE OR IN PART IS PROHIBITED. TITLE TO THIS DRAWING BELONGS TO AUFGANG ARCHITECTS LLC, WITHOUT PREJUDICE.

SEAL & SIGNATURE

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07-16-14	#1214
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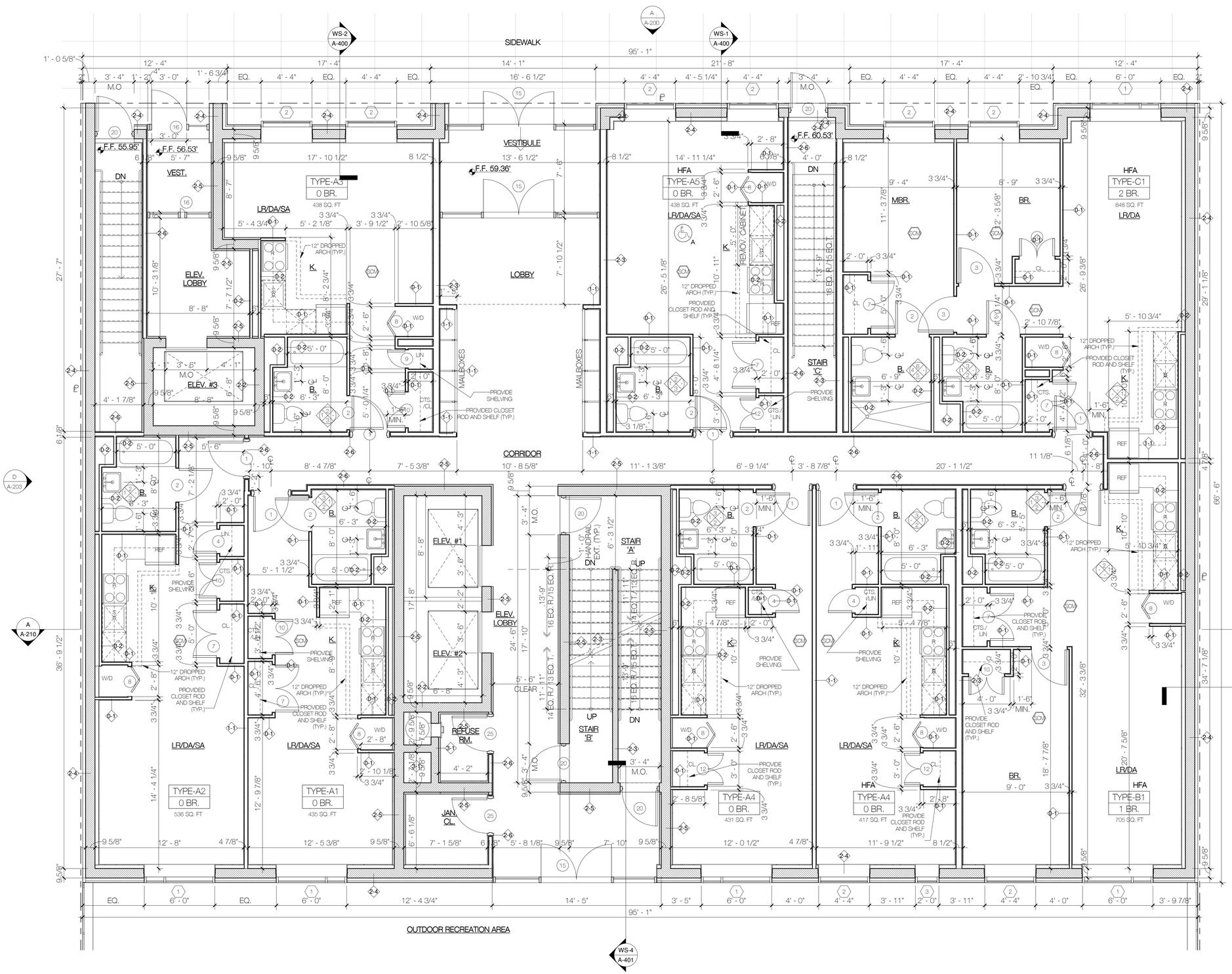
NJB	PC
SCALE:	SHEET NO:
AS NOTED	XX OF XX

DRAWING NO:

A-102.00

NYC DOB NUMBER:



FIRST FLOOR PLAN

1/4" = 1'-0"

65% PROGRESS SET -
NOT FOR CONSTRUCTION / BID
DRAWINGS ARE SUBJECT TO CHANGE
DATE: 11-03-14

WALL TYPE LEGEND
NON-RATED

0-1 TYPICAL PARTITION - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON EACH SIDE OF 2-1/2" METAL STUDS @ 16" O.C.

0-2 BATHROOM CHASE WALL PARTITION - (1) LAYER 5/8" TYPE "X" WATER RESISTANT GYPSUM BOARD ONE SIDE OF 2-1/2" METAL STUDS @ 16" O.C.

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1-2 1 HOUR RATED CHASEWALL - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON ONE SIDE OF 2-1/2" METAL STUDS @ 24" O.C. EXTEND GYPSUM BOARD & STUDS UP TO UNDERSIDE OF FLOOR DECK OR ROOF DECK. SEAL TIGHT TO UNDERSIDE OF FLOOR/DECK W/ CONT. FIRESTOP SEALANT. (UL #V442) (PROVIDE INSUL. AS REQ'D TO ACHIEVE A MIN STC RATING OF 50)

1-3 1 HOUR RATED EXTERIOR PARTITION - (2) LAYERS OF 5/8" TYPE "X" GYPSUM BOARD, (INSIDE) 1/2" EXP EXTERIOR GYPSUM BOARD SHEATHING (OUTSIDE) OVER 6" GA 12 GALV. METAL STUDS @ 16" O.C. WITH 5-1/2" BATT INSULATION (UNFACED) (R-15) (UL #U424)

2 HOUR RATED

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LEGEND:

- CONCRETE BLOCK WALL
- CONCRETE FOUNDATION WALL
- MASONRY VENEER
- GYPSUM BOARD PARTITION - SEE PLAN FOR SIZE.
- X-X PARTITION - SEE WALL TYPE LEGEND
- HANDICAP ACCESSIBLE APARTMENT UNIT
- A
- HANDICAP - HEARING & VISUALLY IMPAIRED UNIT
- H.V.I
- WX WINDOW - SEE WINDOW SCHEDULE ON DWG. A-601
- X DOOR & FRAME - SEE DOOR SCHEDULE DRAWING A-600
- SCM CARBON MONOXIDE DETECTOR
- EXIT LIGHT AND SIGN - CEILING MOUNTED
- SUSPENDED GYPSUM BOARD

REMOVABLE KITCHEN BASE CABINET - 2'-6" WIDE x 2'-0" DEEP

30"x48" CLEAR FLOOR SPACE

"T" FLOOR TURNING SPACE

5'-0" DIAMETER CLEAR HANDICAP FLOOR TURNING SPACE.

REVERSABLE DOOR SWING MORTISE HINGE & LATCH BLANKS

PROPOSED NEW DEVELOPMENT FOR:

478 WEST 130TH STREET
NEW YORK, NEW YORK

BLOCK: 1969 LOT: 5

ARCHITECT:
AUFGANG ARCHITECTS LLC
49 NORTH AIRMONT RD.
SUFFERN, NY
INFO@AUFGANG.COM 845.368.0004

DEVELOPER:
NAME
ADDRESS
CITY, STATE, ZIP
TEL.
FAX.

STRUCTURAL ENGINEER:
BROOKER ENGINEERING, PLLC
76 Lafayette Avenue
Suffern, New York 10901
Tel. 845-357-4411
FAX. 845-357-1896

MEP ENGINEER:
DI BARI ENGINEERING P.C.
99 Main Street
Dobbs Ferry, New York 10952
TEL. 914-479-9705
FAX. 914-479-1234

AUFGANG ARCHITECTS

DATE	SUBMISSIONS / REVISIONS
09-02-14	ISSUED TO D.O.B. FOR REVIEW & COMMENT
11-03-14	ISSUED CLIENT FOR PRICING

SHEET TITLE:

FIRST FLOOR PLAN

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SEAL & SIGNATURE

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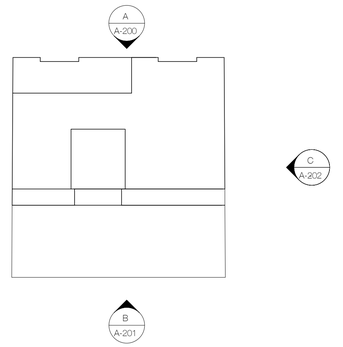
07-16-14	#1214
DRAWN BY:	CHECKED BY:
NJB	PC
SCALE:	SHEET NO:
AS NOTED	XX OF XX

DRAWING NO: A-103.00

NYC DOB NUMBER:

A
A-200
FRONT ELEVATION
1/8" = 1'-0"

65% PROGRESS SET -
NOT FOR CONSTRUCTION / BID
DRAWINGS ARE SUBJECT TO CHANGE
DATE: 11-03-14



KEY PLAN
SCALE: NTS.

PROPOSED NEW DEVELOPMENT FOR:

478 WEST 130TH STREET
NEW YORK, NEW YORK

BLOCK: 1969 LOT: 5

ARCHITECT:

AUFGANG ARCHITECTS LLC
49 NORTH AIRMONT RD.
SUFFERN, NY
INFO@AUFGANG.COM 845.368.0004

AUFGANG ARCHITECTS

DEVELOPER:
NAME
ADDRESS
CITY, STATE, ZIP
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STRUCTURAL ENGINEER:
BROOKER ENGINEERING, PLLC
76 Lafayette Avenue
Suffern, New York 10901
Tel. 845-357-4411
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FRONT ELEVATION

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SEAL & SIGNATURE

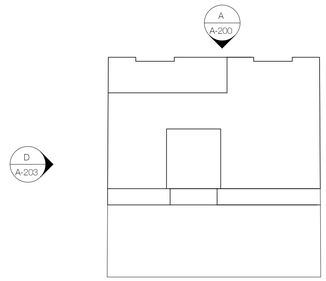
ISSUE DATE:	PROJECT NO:
07-16-14	#1214
DRAWN BY: NJB	CHECKED BY: PC
SCALE: AS NOTED	SHEET NO: XX OF XX

DRAWING NO: A-200.00

NYC DOB NUMBER:

B A-201 **REAR ELEVATION**
1/8" = 1'-0"

65% PROGRESS SET -
NOT FOR CONSTRUCTION / BID
DRAWINGS ARE SUBJECT TO CHANGE
DATE: 11-03-14



KEY PLAN
SCALE: NTS.

PROPOSED NEW DEVELOPMENT FOR:

478 WEST 130TH STREET
NEW YORK, NEW YORK

BLOCK: 1969 LOT: 5

ARCHITECT:

AUFGANG ARCHITECTS LLC
49 NORTH AIRMONT RD.
SUFFERN, NY
INFO@AUFGANG.COM 845.368.0004

AUFGANG ARCHITECTS

DEVELOPER:
NAME
ADDRESS
CITY, STATE, ZIP
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STRUCTURAL ENGINEER:
BROOKER ENGINEERING, PLLC
76 Lafayette Avenue
Suffern, New York 10901
Tel. 845-357-4411
FAX. 845-357-1896

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DATE	SUBMISSIONS / REVISIONS
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SHEET TITLE:

REAR ELEVATION

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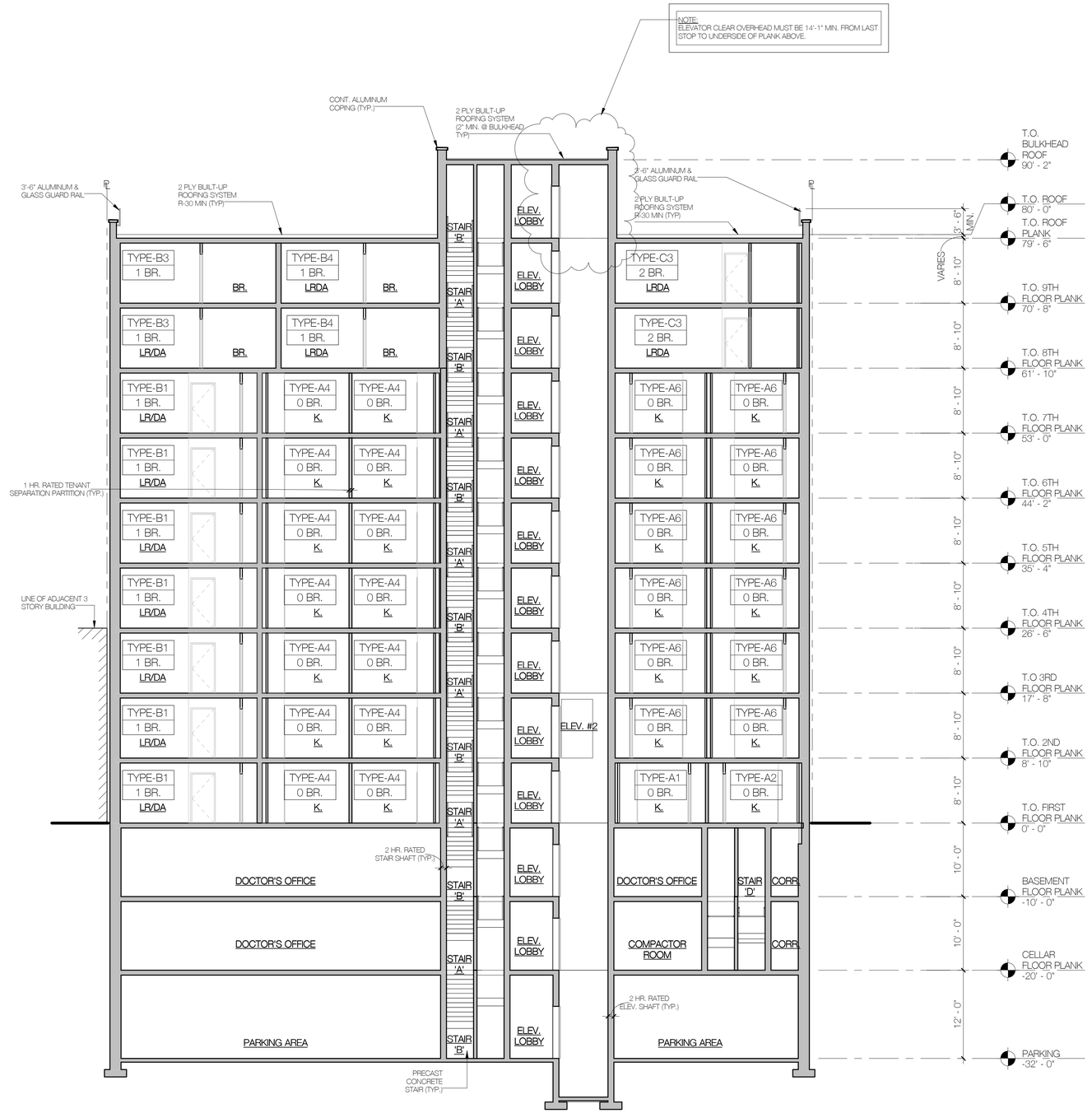

A-210 **A CROSS SECTION A**
1/8" = 1'-0"

65% PROGRESS SET -
NOT FOR CONSTRUCTION / BID
DRAWINGS ARE SUBJECT TO CHANGE
DATE: 11-03-14

PROPOSED NEW DEVELOPMENT FOR:

478 WEST 130TH STREET
NEW YORK, NEW YORK
BLOCK: 1969 LOT: 5

ARCHITECT:
AUFGANG ARCHITECTS LLC
49 NORTH AIRMONT RD.
SUFFERN, NY
INFO@AUFGANG.COM 845.368.0004

AUFGANG ARCHITECTS

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Tel. 845-357-4411
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99 Main Street
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TEL. 914-479-9705
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DATE	SUBMISSIONS / REVISIONS
09-02-14	ISSUED TO D.O.B. FOR REVIEW & COMMENT
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SHEET TITLE:

BUILDING CROSS SECTION

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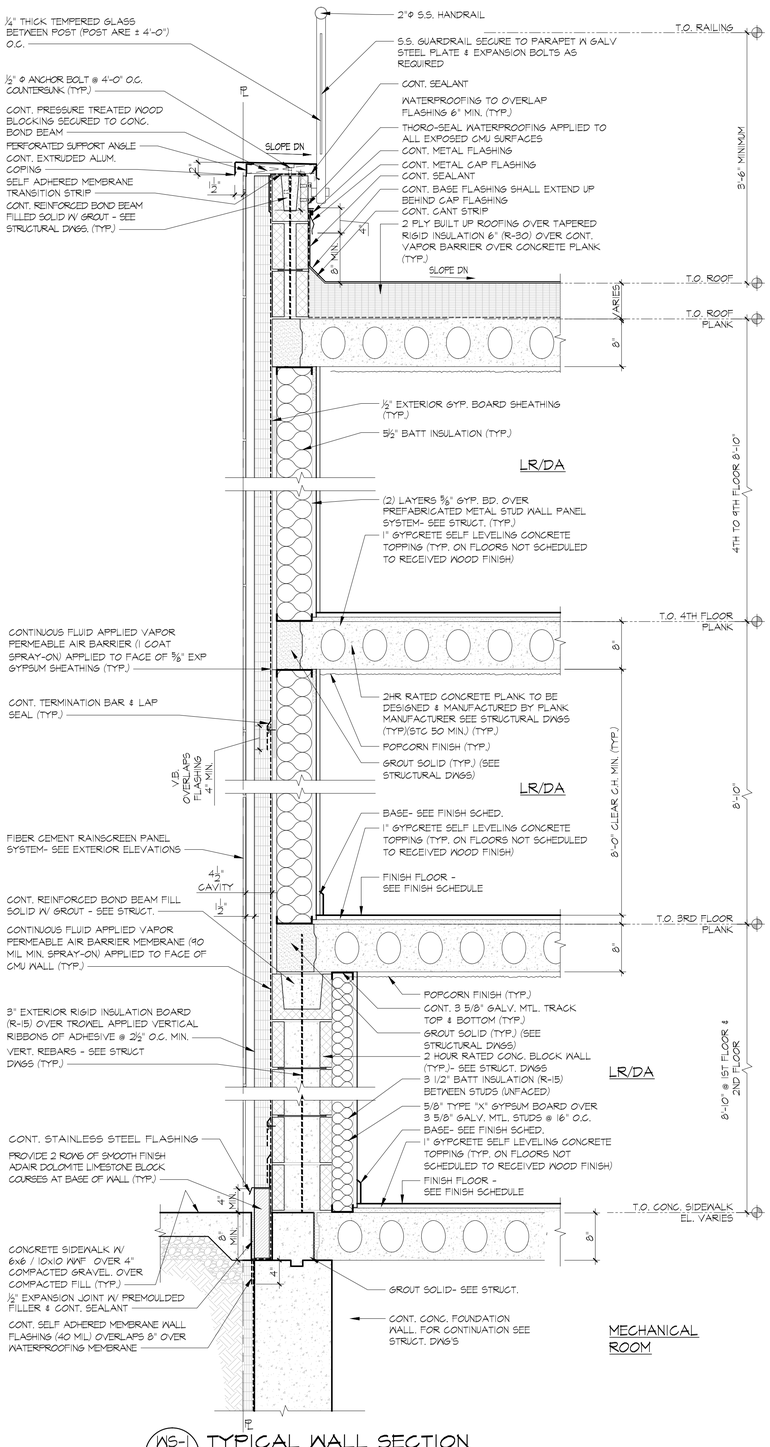
ISSUE DATE:	PROJECT NO:
07-16-14	#1214
DRAWN BY: NJB	CHECKED BY: PC
SCALE: AS NOTED	SHEET NO: XX OF XX

DRAWING NO: A-210.00

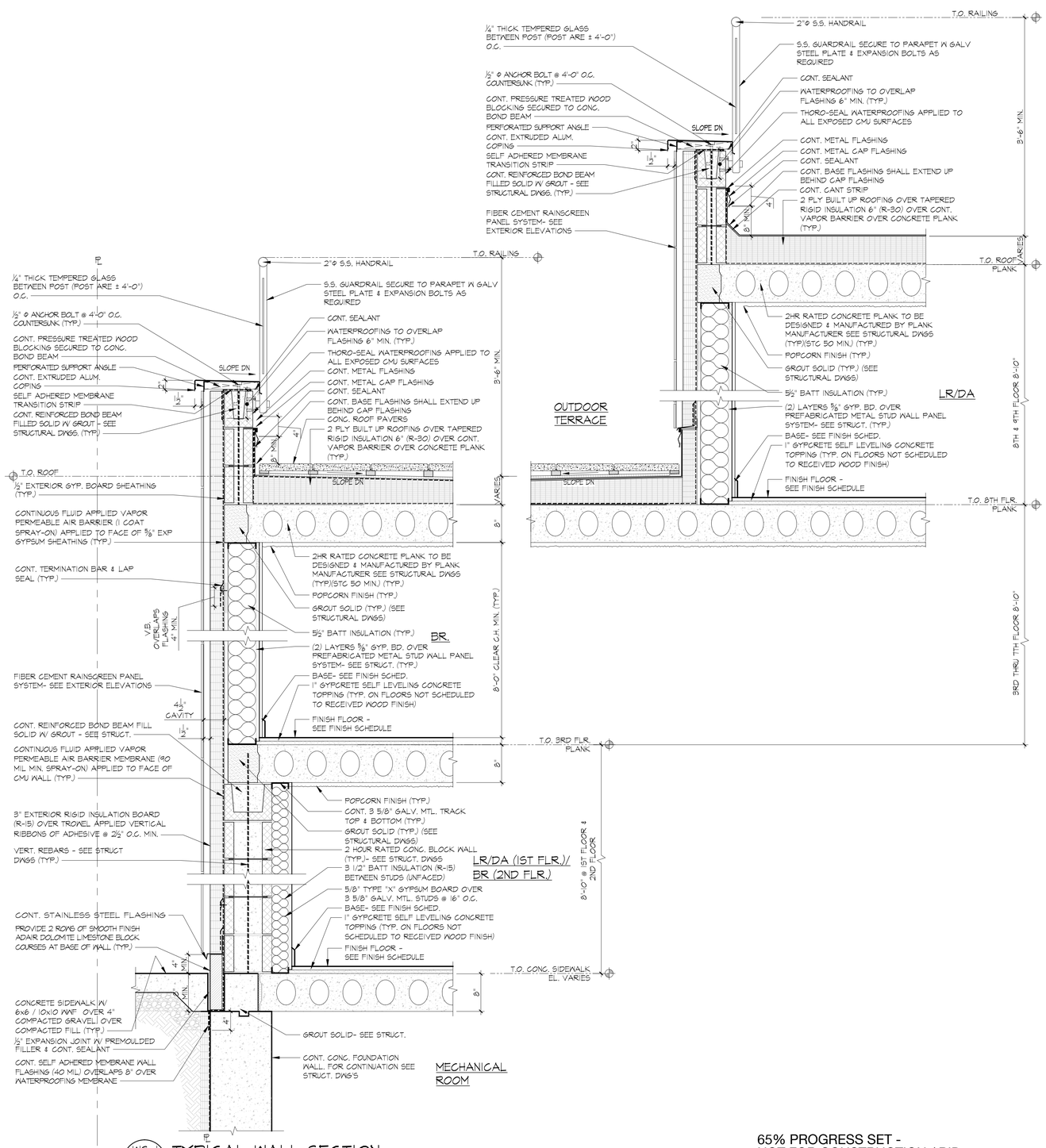
NYC DOB NUMBER:



WS-1 TYPICAL WALL SECTION

SCALE : 1" = 1'-0"

A-101 -107



WS-1 TYPICAL WALL SECTION

SCALE : 1" = 1'-0"

A-101 -107

65% PROGRESS SET -
NOT FOR CONSTRUCTION / BID
DRAWINGS ARE SUBJECT TO CHANGE
DATE: 11-03-14

PROPOSED NEW DEVELOPMENT FOR:

478 WEST 130TH STREET
NEW YORK, NEW YORK

BLOCK: 1969 LOT: 6

ARCHITECT:
AUFGANG ARCHITECTS LLC
49 NORTH AIRMONT RD.
SUFFERN, NY
INFO@AUFGANG.COM 845.368.0004

AUFGANG ARCHITECTS

STRUCTURAL ENGINEER:
BROOKER ENGINEERING, PLLC
76 Lafayette Avenue,
Suffern NY 10901
Tel. 845-357-4411
Fax. 845-357-1896

MEP ENGINEER:
DI BARI ENGINEERING P.C.
99 Main Street
Dobbs Ferry, New York 10522
Tel. 914-479-9705
Fax. 914-479-1234

DATE	SUBMISSIONS / REVISIONS
09-02-14	ISSUED TO D.O.B. FOR REVIEW & COMMENT
11-03-14	ISSUED TO CLIENT FOR PRICING

SHEET TITLE:

TYPICAL WALL SECTIONS

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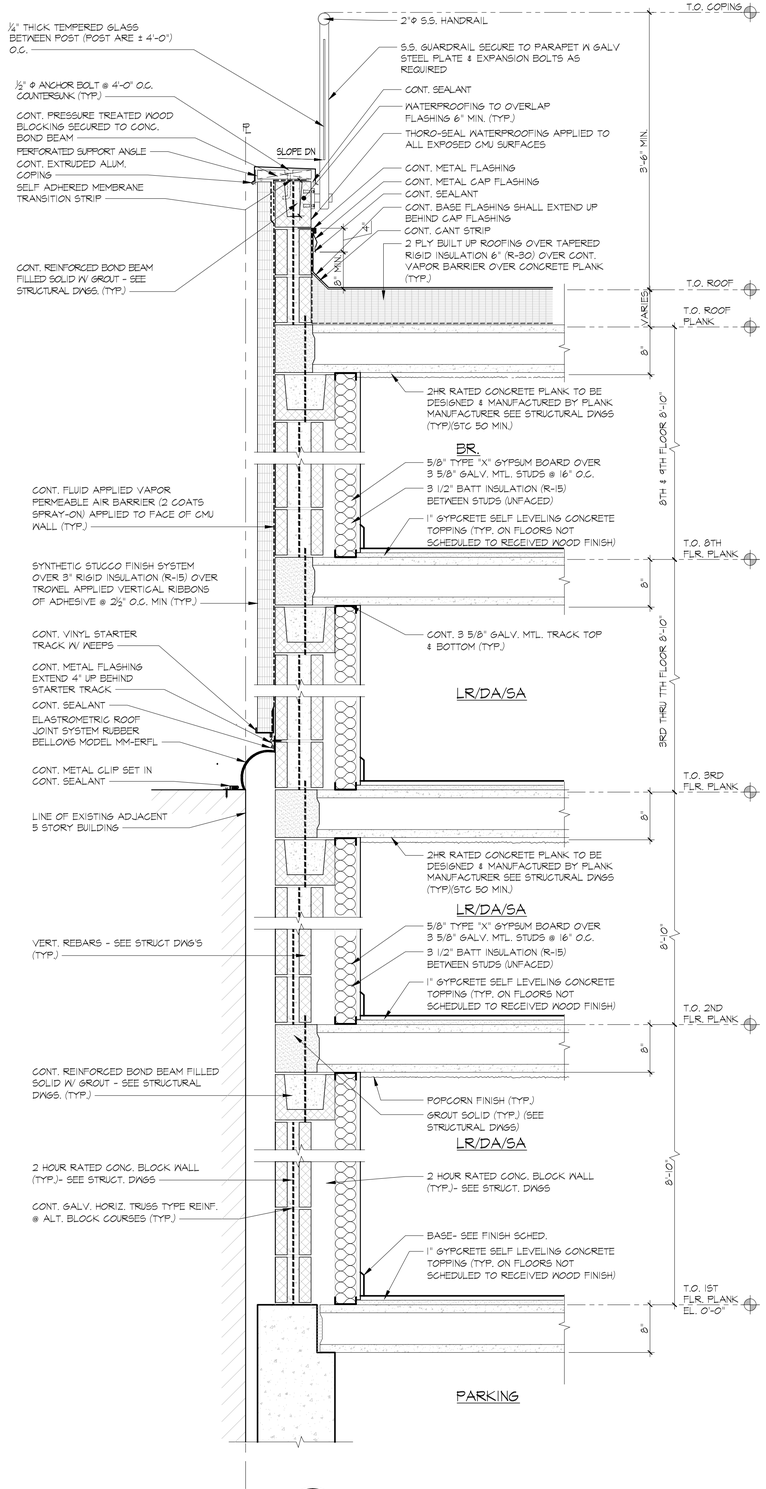
SHEET NO: XX of XX

DRAWING NO: A-400.00

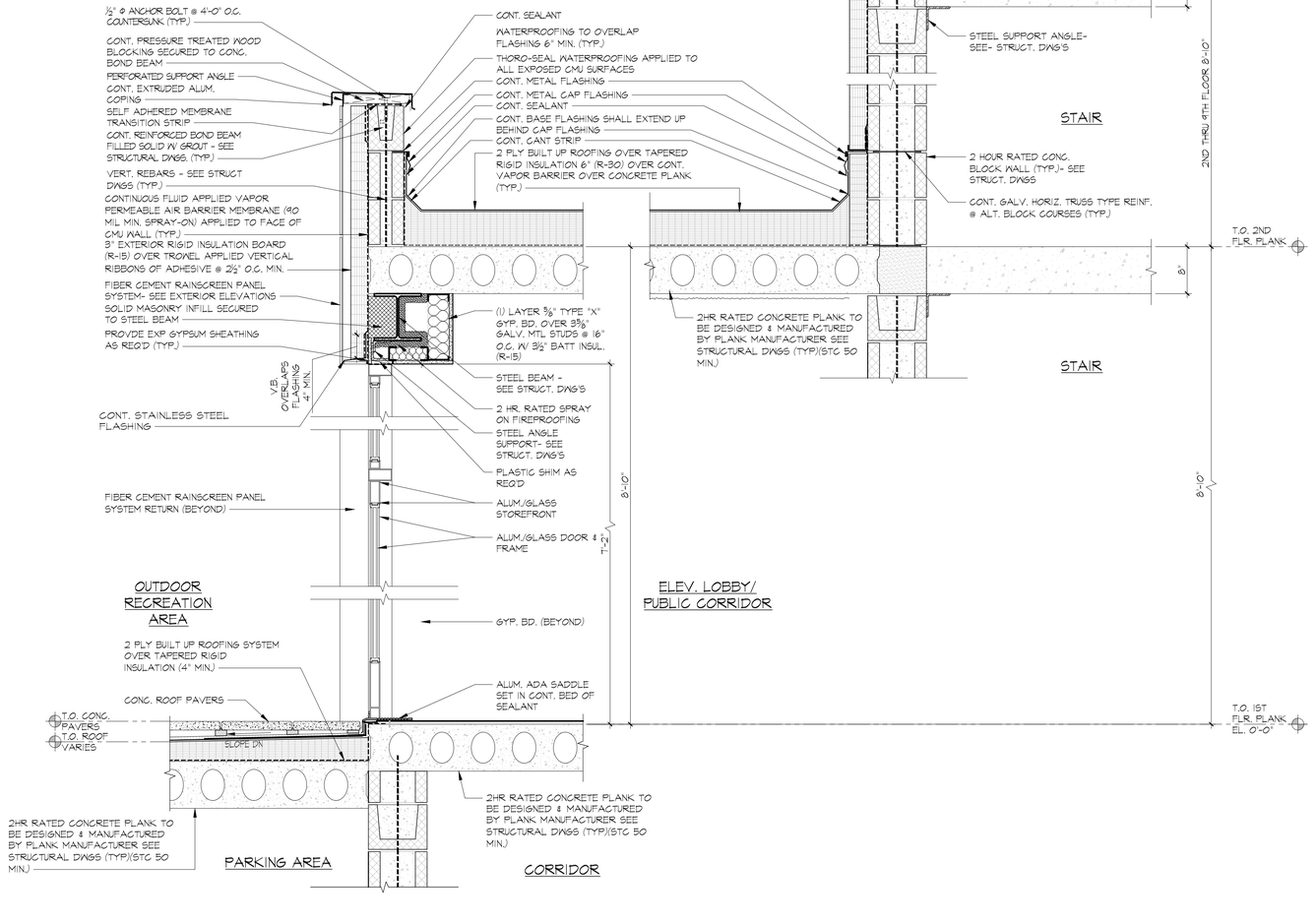
NYC DOB NUMBER:



WS-3 TYPICAL WALL SECTION

SCALE : 1" = 1'-0"

A-101 -107



WS-4 TYPICAL WALL SECTION

SCALE : 1" = 1'-0"

A-101 -107

65% PROGRESS SET -
NOT FOR CONSTRUCTION / BID
DRAWINGS ARE SUBJECT TO CHANGE

DATE: 11-03-14

PROPOSED NEW DEVELOPMENT FOR:

478 WEST 130TH STREET
NEW YORK, NEW YORK

BLOCK: 1969 LOT: 6

ARCHITECT:

AUFGANG ARCHITECTS LLC
49 NORTH AIRMONT RD.
SUFFERN, NY
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AUFGANG ARCHITECTS

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MEP ENGINEER:
DI BARI ENGINEERING P.C.
99 Main Street
Dobbs Ferry, New York 10522
Tel. 914-479-9705
Fax. 914-479-1234

DATE	SUBMISSIONS / REVISIONS
11-03-14	ISSUED TO CLIENT FOR PRICING
09-02-14	ISSUED TO D.O.B. FOR REVIEW & COMMENT

SHEET TITLE:

TYPICAL WALL SECTIONS

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SEAL & SIGNATURE

ISSUE DATE: 07-16-14

PROJECT NO: #1214

DRAWN BY: NJB

CHECKED BY: PC

SCALE: AS NOTED

SHEET NO: XX of XX

DRAWING NO: A-401.00

NYC DOB NUMBER: