

AKRF, Inc.

ENVIRONMENTAL CONSULTANTS
117 East 29th Street • New York, NY 10016-8022

June 28, 2000

TEL: 212/696-0670

FAX: 212/447-5546

Ms. Christine Costopoulos
New York State Department of Environmental Conservation
Division of Environmental Remediation
50 Wolf Road, Room 260A
Albany, NY 12233-7010

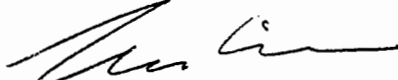
**RE: Voluntary Cleanup Program Application - C.E. Flushing Site
College Point Boulevard and 40th Road, Queens, New York**

Dear Ms. Costopoulos:

Please find attached: a VCP Application with attachments; a volume of appendices (regulatory databases and the two prior studies); and a Sampling Workplan. A copy of all this material has been sent to Mr. Tom Lang in NYSDEC Region 2. It is my understanding that Mr. Mark Chertok of Sive, Paget & Riesel, L.L.C. will be contacting Dale Desnoyers, Esq. regarding the legal aspects of the agreement.

Please call me at (212) 340-9790 or feel free to contact me by email at marcus_simons@akrf.com if you have any questions.

Sincerely,
AKRF Inc.



Marcus Simons
Vice President

CC: Mr. Tom Lang - NYSDEC Region 2
Dale Desnoyers, Esq. - NYSDEC Albany (w/o appendices)
Mark Chertok, Esq. - Sive Paget and Riesel L.L.C (w/o appendices)
Mr. Mordecai Weinstein - C.E. Flushing L.L.C

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

VOLUNTARY CLEANUP PROGRAM APPLICATION

NYSDEC identification no.: _____

STATEMENT OF CERTIFICATION

I, Mordecai Weinstein, do hereby certify and attest that the information included in this Voluntary Cleanup Program application, including any attachments, is, to the best of my knowledge and belief, accurate and complete; and that the applicant has the necessary funds allocated to undertake the activities proposed to be implemented under this application, if approved.

Date

6/27/00

Signature

[Handwritten Signature]

TYPE OF VOLUNTARY AGREEMENT:

Investigation X Remediation _____

I. SITE NAME AND LOCATION

SITE NAME (legal, common, or descriptive): Flushing Industrial Park
SITE LOCATION: Street or Route No.: Northwest corner of College Point Avenue and 40th Road
CITY/TOWN: Flushing COUNTY: Queens ZIP: 11354
LATITUDE: 40.7574° LONGITUDE: -73.8337°

II. CURRENT OWNER/OPERATOR INFORMATION

Current owner's name, address, and phone no.:
 C. E. Flushing, LLC
 118-35 Queens Blvd.
 Forest Hills, NY 11375
 Ph) 718-263-3800

Current operator's name, address, and phone no.:
 Same

III. VOLUNTEER IDENTIFICATION

Volunteer's name, address, and phone no.:
 Same as Owner

Volunteer's contact's name, address, and phone no.:
 AKRF, Inc
 117 East 29th Street
 New York, New York 10016
 Attn: Marcus Simons (212) 340-9790

Describe Volunteer's relationship, if any, to current owner and current operator (subsidiary, shareholder, partner, etc.). If no relationship, put "none":

Volunteer is current owner

IV. PROPERTY'S ENVIRONMENTAL HISTORY OVER PAST 50 YEARS

- A. To the extent that existing information/studies/reports/ are readily available to the applicant attach:
- a description of the environmental history of the site which includes previous uses of the property, types of operation, chemicals used on the property, by-products or wastes produced by previous activities on-site, and a list of any orders, decrees, or other legal documents regarding violations of the Environmental Conservation Law or equivalent federal environmental statutes;
- a list of previous owners with names, last known addresses and telephone numbers (describe Volunteer's relationship, if any, to each previous owner listed. If no relationship, put "none"); and
- a list of previous operators with names, last known addresses and telephone numbers (describe Volunteer's relationship, if any, to each previous operator listed. If no relationship, put "none").

SEE ATTACHED

[OVER]

- B. Is the site listed as Class 1 or 2 in New York State's Registry of Inactive Hazardous Waste Sites? YES ___ NO X
- C. Did the volunteer generate, transport or dispose of, arrange for or cause the generation, transportation or disposal of hazardous substance on the property? YES ___ NO X
- D. Is the site a treatment, storage, or disposal facility (TSDF) subject to corrective action or closure under permit or order issued under the Department's hazardous waste management regulatory ("RCRA") program? YES ___ NO X
- E. Is the site a TSDF operating under interim status under the RCRA program that is subject to YES ___ NO X enforcement action leading to the issuance of an order containing a corrective action schedule?

V. INTENDED SITE USE

Briefly describe below the intended use of the site following cleanup.

No specific redevelopment is contemplated. The present conceptual development plan is mixed use buildings (first floor commercial) with an associated parking structure. The main building on-site would be fully or partially demolished. Development may occur first in the area shown as OU-1 in the attached Figure 2, followed by the remainder of the site (OU-2).

A. Site Description

Location and Legal Description

The 13.5± acre site is located on the northwest corner of College Point Avenue and 40th Road, in Flushing, Queens (see Site Location Map, Figure 1). The site is bounded to the north by Roosevelt Avenue, to the east by College Point Boulevard, to the south by 40th Road, and to the west by the Flushing River and the Van Wyck Expressway. Figure 2 shows the site and surrounding streets. The legal definition of the property is Tax Block 5066, Lots 1, 79, and 91.

Site and Vicinity Characteristics

The site is in a former industrial and manufacturing area in Flushing, Queens. A recent Downtown Flushing Rezoning Resolution, approved August 19, 1998 (Calendar 24), designated the site and the surrounding area for commercial development. Due to its industrial and manufacturing history, the project site has been given an e-designation, requiring a subsurface investigation and, if necessary, site remediation prior to development.

Site Structures

The site contains a two-story main building with four-story, three-story and one-story additions in the north-central portion of the site, a one story garage building in the southwest portion of the site, and a small one-story building in the northwest portion of the site. The remainder of the site is paved, with the exception of a small landscaped area at the eastern end of the site, near the entrance.

Site Geology and Subsurface Characteristics

A subsurface investigation was performed on the site by SESI in 1989. Their attached report (June, 1989) indicated that the site is covered with a layer of miscellaneous fill from grade to an 8 to 11 foot depth. The fill is silty sand with cinders and wood fragments.

On the western portion of the site the fill is underlain by a layer of old river deposits consisting of very soft organic silt and peat. This stratum is about 30 feet thick near the river and thins out towards the east, ending about 200 to 300 feet from College Point Boulevard. The soil beneath the peat layer is dense glacial till. A stiff silty clay stratum was encountered in the deepest borings, about 70 feet below the surface.

Groundwater was present from 3 to 7 feet below the ground surface. The direction of flow is westward, towards the Flushing River.

The layer of organic silt and peat has a relatively low permeability and is believed to act as an aquitard, restricting vertical flow between the groundwater in the fill and the groundwater in the glacial till beneath the peat.

Nearby Areas of Public Concern

Groundwater in this portion of Queens is not used for potable water supplies. There is a public park, Flushing Meadows, located about 300 feet south of the southern property boundary of the site, across 40th Road. The nearest residential area is directly east of the property, about 100 feet from the eastern property boundary of the site, across College Point Boulevard.

B. Site History

HISTORIC MAPS

According to Sanborn insurance maps, the main building on the site was constructed in 1916 with additions constructed in 1928. A 1917 Sanborn Map indicated the main building to be occupied by a plumbers supply store. A series of single family dwellings were indicated on the southeastern portion of the property, and a garage was indicated in the southwestern portion of the property. Two 10,000-gallon fuel oil tanks were indicated to be directly south of the main building.

A 1934 Sanborn Map indicated the main building of the property to be occupied by the New York & Queens Electric Light & Power Company (the precursor to Con Edison). A series of four tanks were indicated directly northwest of the main building, along Roosevelt Avenue. This area was reportedly used for servicing transformers. The garage in the southwestern portion of the property was appeared to have added additions. Two tanks were indicated directly northwest-adjacent to this building.

A 1951 Sanborn Map indicated the main building on the subject property to be occupied by the Con Edison Company of New York. Con Edison used the facility for the storage and maintenance of equipment, for personnel training, for the storage and servicing vehicles, and for offices. The four tanks to the northwest of the main building were labeled 'oil tanks' on this map. One additional gasoline tank appeared directly northwest-adjacent to the garage building.

A 1980 Sanborn Map indicated all of the single family dwellings in the southeast portion of the property had been demolished, and an auto-repair ship was indicated in their place. Sanborn Maps from 1991, 1992, 1993, 1994 and 1995 did not indicate any significant changes to the subject property.

Con Edison purchased the majority of the property from Atlas Cereal Company, Inc. (acting for Remington Typewriter) in 1923 and later acquired several row houses in the southeastern portion of the property in the 1950s. A 1932 building plan for the College Point Service Station indicated four 1,080-gallon leaded gasoline underground storage tanks to be located directly southeast-adjacent to the garage building. A 1932 Con Edison map of the site indicated an oil storage pump house, four oil storage tanks, and two transformer vaults along the northern boundary to the site (Roosevelt Avenue); an incinerator, a paint storage house, and a blacksmith shop in the southwest portion of the main building; a gasoline station directly northwest-adjacent to the garage building; and an outdoor transformer directly southeast-adjacent to the garage building. A 1946 Report of Physical Survey indicated the site had historically served as a supply depot for the U.S. Army.

A 1965 Con Edison insurance map of the site indicated four 4,000-gallon tanks of transformer oil to be located in the northwest of the main building, along Roosevelt Avenue, and two 275-gallon kerosene tanks and four 550-gallon gasoline tanks to be located directly northwest-adjacent to the garage building. Two transformer vaults were indicated directly north of the main building, along the Roosevelt Avenue, and a second vault was indicated along College Point Boulevard.

The following table summarizes the description, location and registration status of the tanks based on NYSDEC's current Petroleum Bulk Storage database and an April 24, 1986 Con Edison Memorandum:

TANK DESCRIPTION	APPROXIMATE TANK LOCATION	REGISTRATION STATUS
Four 1,080-gallon underground leaded gasoline tanks	Gas station directly southeast-adjacent to the garage building.	Registered
Two 550-gallon underground unleaded gasoline tanks and two 550-gallon underground diesel tanks	Directly northwest-adjacent to the garage building.	Registered
Two 275-gallon aboveground diesel/kerosene tanks	Directly northwest-adjacent to the garage building.	Registered
Four 4,000-gallon aboveground insulating oil tanks	Directly northwest-adjacent to the main building, along Roosevelt Avenue.	Not registered
One 400-gallon aboveground spent motor oil tank	In the southeast corner of the garage building.	Not registered
Two 275-gallon aboveground #2 heating oil tanks	West-central portion of the property in the one-story storage building.	Registered

Note that this list of tanks on the property did not include the two 10,000-gallon underground fuel oil tanks that were indicated directly south of the main building in a 1917 Sanborn Map.

The Con Edison Tank database indicated that all tanks (8 UST's and 9 AST's) located at the College Point Service Station were Closed In-Place on December 21, 1988. A Con Edison memo dated December 21, 1988 stated "there is evidence of gasoline in the soil around the gasoline tanks being closed at the Old College Point Service Center, perhaps due to spillage during the product removal / tank rinsing process. The soil in the excavated area around the tanks should be removed until there are no more visible signs of gasoline."

In summary, according to Sanborn Maps, Con Edison documents and maps, the subject property served as a plumbing supply store circa 1917. New York & Queens Electric Light & Power Company (the precursor to Con Edison) purchased the property from Remington Typewriter in 1923, and continued to acquire much of the remainder of the subject block (row houses in the southeastern portion of the property) in the 1950's. Con Edison used the facility for the storage and maintenance of equipment, for personnel training, for the storage and servicing vehicles, and for offices. The property has historically contained several transformers, a gasoline service station, an incinerator, an equipment repair area, a paint storage house, and a blacksmith. In addition to the above-listed tanks, two 10,000-gallon gasoline tanks may be located directly south of the main building (1917 Sanborn Map).

Former Owners

C.E. Flushing L.L.C. purchased the property from Con Edison in 1989. Con Edison (or its predecessors) had owned the property since 1923 when it was purchased from Remington Typewriter.

C. Regulatory History

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 US EPA and NYSDEC. AKRF reviewed these records to identify the use, generation, storage, treatment and/or disposal of hazardous materials and chemicals, or releases of such materials which may impact the project site.

Federal Regulatory Records

National Priority List (NPL)

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

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

Four listings were identified within a one-mile radius of the project site. Spectrum Maintenance Corp, located at 39-08 Janet Place, approximately 200 feet north of the northern property boundary; Park Nameplate Co, Inc, located at 33-37 Farrington Street, approximately 3,000 feet to the northeast of the northeastern property border; and Flushing River Coking Station, located on 32nd Avenue, approximately 3,500 feet to the north of the northern property boundary, were removed from the CERCLIS database after preliminary assessments.

The College Point Oil Lagoon, located at 123rd Street and 31st Avenue, approximately 4,500 feet to the northwest of the northwestern property boundary, was listed in this database because of PCB contamination. This site, which is owned by the City of New York, is approximately one half acre in area, and is bordered by Flushing Bay. It consists of a 350,000 gallon lagoon containing oil contaminated with PCBs. The City of New York initiated site remediation in 1981. Wastes have been removed, the lagoon has been cleaned, and two buildings and a parking area have been constructed over the site. Confirmatory oil samples were collected by NYSDEC in 1989. Analytical sampling data revealed that no hazardous wastes remain at the site. This site is unlikely to have affected current soil and/or groundwater conditions on the project site.

Emergency Response Notification System (ERNS)

The subject property was not currently listed as an ERNS site.

Toxic Chemical Release Inventory System (TRIS)

No TRIS sites were identified within a one-quarter mile radius of the project site.

Permit Compliance System of Toxic Wastewater Discharges (WWD)

One WWD facility was reported within a one-quarter mile radius of the subject property. The Atlantic Fuels - Flushing Terminal, located at 3702 Lawrence Street, approximately 600 feet to the

northeast of the northeastern property border, was listed as an inactive minor discharge industrial facility.

United States Environmental Protection Agency Civil Enforcement Docket

No facilities are listed in the US EPA's Civil Enforcement Docket within a one-quarter mile radius of the subject property.

State Regulatory Records

New York SPILLS Database

Seventy-seven releases were reported within a one-quarter mile radius of the subject site. Four closed status listing were reported on or close to the subject property. In April of 1998, 2,000 gallons of fuel oil was spilled on land at the intersection of Roosevelt and Janet Place. There was a NYSDEC response, a willing responsible party and corrective action was taken. This spill was closed in April of 1998. In October of 1988 less than one gallon of raw sewage was spilled. This spill was located across the street from a treatment plant. The spill was closed in October of 1988. In October of 1988 a broken force main was reported at the intersection of 40th Road and College Point Boulevard. Less than one gallon of raw sewage was spilled on land. This spill is most likely related to the previously mentioned spill as it was also closed in October of 1988. In April of 1987, equipment failure led to the report of a spill affecting surface water at the intersection of 40th Road and College Point Boulevard. No material information was given for this site. The spill was closed in April of 1987. These four spills are unlikely to have affected on-site soil and/or groundwater.

Ten others spills were listed within one hundred feet of the subject property, three of which are listed as active. Bland Houses, located at 40-05 College Point Blvd, directly north of the subject property; and a building at 40-21 College Point Blvd., directly northeast of the subject property, listed tank test failures in 1994 and 1991, respectively. A Mobil gas station listed at 133-11 Roosevelt Avenue, located directly northeast of the subject property, listed a gasoline spill resulting from a cracked gasoline hose in 1992. This spill was reportedly contained on concrete, absorbent was applied to the spill and was removed from the site for proper disposal. All other active spills were greater than 100 feet away from the subject property, most were above ground, involved less than one gallon of spilled material, and were cleaned up with due diligence.

Resource Conservation and Recovery Act (RCRA) Notifiers Listings

One TSD facilities was identified within a one-mile radius of the subject site. A Con Edison facility, located at the intersection of Farrington Street and 32nd Avenue (see CERCLIS section), was listed as a large quantity generator of plating bath residues in 1997 and of lead in 1998. No violations were listed for this facility. Consolidated Edison lists this facility as a current service center which handled water and debris that had been pumped out of Con Edison's manholes and equipment vaults in streets in 1997.

Twenty-seven RCRA generators were listed within a one-quarter mile radius of the subject site. One listing was for the subject property. Consolidated Edison Company of New York was listed as having generated 45,500 pounds, 21 tons, and 57 cubic yards of lead in 1993; 15,600 pounds of solid ignitable waste; and 330 gallons of spent halogenated solvents in 1989. No violations were listed for this facility. As Con Edison sold and ceased operating their facility on the subject site in 1989, the 1993 lead wastes do not appear to have related to this property. Based on a review of the manifests, they were offsite manhole wastes which should have been manifested with the EPA ID

number (NY D98687249) for the (then new) Queens Service Center rather than the EPA ID number for this (then former) facility.

Chemical Bulk Storage (CBS) Database

No CBS facilities were identified within a one-quarter mile radius of the subject property.

Solid Waste Facilities (SWF)

Eight SWFs were reported within a one-mile radius of the subject property, including the subject property. Consolidate Edison was once listed as a large transfer station of yard waste. A note on this listing indicated the facility has been deleted from this database.

Petroleum Bulk Storage (PBS) Database

Forty PBS listings were reported within a one-quarter mile radius of the subject site. One listing was for the subject property. The College Point Service Center was listed as having closed before 1991 two 550-gallon underground diesel tanks, two 275-gallon aboveground diesel tanks, two 275-gallon aboveground fuel oil tanks, four 1,080-gallon underground leaded gasoline tanks, and two 550-gallon underground unleaded gasoline tanks.

Four other properties were listed within one hundred feet of the subject property, including a gas station. The Mobil Station, located at 133-11 Roosevelt Avenue, was listed as having closed before 1991 ten 550-gallon gasoline, one 550-gallon fuel oil, and one 550-gallon underground storage tanks. The contents of the last tank were not listed in this database.

State Inactive Hazardous Waste Disposal Site Registry (SHWS)

One State-listed Inactive Hazardous Waste Site was listed within one mile of the subject property. The Consolidated Edison Flushing River Coking Site, also listed as a CERCLIS site (see above). A notation in this listing states: "Further action is recommended if and only if the property is developed."

Major Oil Storage Facilities (MOSF) Database

Two MOSFs were reported within a one-mile radius of the subject site. Flushing Terminal, located at 37-02 College Point Boulevard, approximately 700 feet to the north of the northern property boundary, was listed as having closed and removed from the ground thirteen tanks with the capacity of containing 2,833,000-gallons of fuel oil, two tanks with the capacity of containing 155,000-gallons of kerosene, and two empty tanks with a total capacity of 775-gallons. Lefferts Oil Terminal Inc, located at 31-70 College Point Boulevard, approximately 3,600 feet to the northwest of the subject property, was listed as containing one temporarily out-of-service 1,265,544-gallon underground fuel oil tank, one temporarily out-of-service 179,550-gallon underground fuel oil tank, one temporarily out-of-service 527,226-gallon underground diesel tank, one in-service 896,700-gallon underground gasoline tank, two in-service 550-gallon underground gasoline tanks, four in-service 550-gallon fuel oil tanks, and two in-service empty tanks.

Air Discharge Facilities Index (ADF)

Sixteen ADF listings were reported within a one-quarter mile radius of the subject property, including one listing within 100 feet of the subject property. A facility at 132-01 Roosevelt Avenue was listed as having the potential to release less than 100 tons/year of volatile organic compounds into the air. This facility was found to be in compliance at the time of inspection.

SUMMARY

In summary, four closed-status spills, one RCRA Generator, and one Petroleum Bulk Storage listings were reported for the subject property. All four spills listings do not appear likely to have affected the subject property. Although Con Edison was listed as having generated a large volume of lead hazardous wastes for the subject property in 1993, four years after having sold the property, these wastes were likely incorrectly manifested and were not associated with this facility. The Petroleum Bulk Storage Database listed the following tanks as having been closed prior to 1991 on the subject property: two 550-gallon underground diesel tanks, two 275-gallon aboveground diesel tanks, two 275-gallon aboveground diesel tanks, four 1,080-gallon underground leaded gasoline tanks, and two 550-gallon underground unleaded gasoline tanks.

D. Previous Studies

List of Studies

Previous studies performed on the site are:

Subsurface Investigation, Former Consolidated Edison Facility, College Point Boulevard and 40th Road, Queens by SESI, June 8, 1989. (Included as Appendix B)

Soil Testing, Former Consolidated Edison Facility, College Point Boulevard and 40th Road, Flushing, New York by AKRF, Inc., December 30, 1999. (Included as Appendix C)

Subsurface Investigation (June, 1989)

This study included soil and groundwater testing (as well as a geotechnical evaluation). The geotechnical evaluation portion of the Subsurface Investigation has already been summarized in the Site Geology and Subsurface Characteristics section of this attachment.

Based on a previous site reconnaissance, SESI determined there were three areas on site where subsurface contamination would most likely be present. Two areas were near locations of underground storage tanks and one area was where polychlorinated biphenols (PCBs) were handled and/or stored in the past. Another area, adjacent to the Flushing River, was also a potential area of contamination, as it was used by Con Edison to clean trucks, equipment, etc.

Soil samples were collected from eight locations and groundwater samples were collected from four locations distributed over the site. (See Boring Location Plan in the report in Appendix B). All samples were analyzed for metals, PCBs and total petroleum hydrocarbons (TPH).

As shown in Table 1 of Appendix B, the detected levels of metals in soil samples were generally within typical ranges. Exceptions were location B-2 (near the southeast corner of the main building) where levels of lead (1,610 ppm), mercury (3.16 ppm) and zinc (1,160 ppm) exceeded typical background ranges. Location B-4 (near the northwest corner of the site) showed elevated levels of copper (4,180 ppm).

As shown in Table 2 of Appendix B, PCBs were non-detect at 4 out of the eight soil sampling locations and below 1 ppm at one location (B-2). Locations B-4 and MW-3 (west of the garage building) had levels between 1 ppm and 10 ppm in samples approximately 6 feet deep. Location MW-4 (near the transformer oil tanks) had 16 ppm of PCBs also at a depth of 6 feet.

Total petroleum hydrocarbon levels were well correlated with PCB levels. TPH levels of 2,000 to 5,500 ppm were associated with the highest 3 detected PCB levels. TPH levels at the other 5 locations were 140 ppm or lower.

As shown in Table 3 of Appendix B, groundwater samples showed relatively low levels of VOCs and SVOCs with the exception of MW-3 which also had detectable levels (37 ppb) of PCBs. Metals levels at MW-3 and MW-4 were elevated compared to GA standards but this might be an artefact of suspended solids in the samples.

Soil Testing (December, 1999)

This study was intended to follow up on the 1989 SESI study's finding of PCBs at locations on the west side of the site. Samples were collected at 25 locations, the majority of which were located in the western portion of the site, where PCBs were previously detected (see Boring Location Plan in the report in Appendix B). Sixty-six soil samples were collected from two or three discrete depths at each location using a hydraulically-driven sampling probe. Samples were analyzed for PCBs.

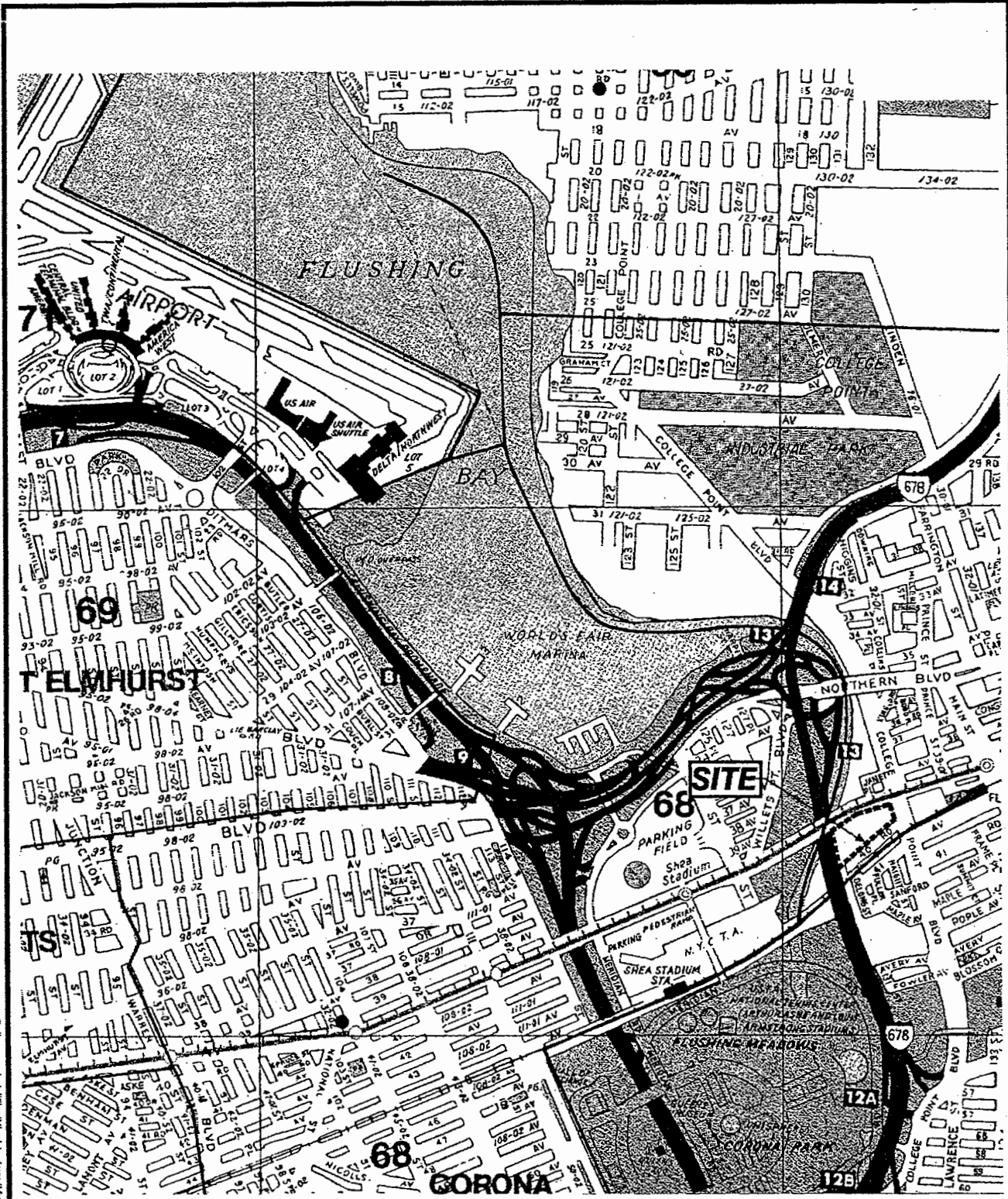
Six samples met or exceeded the 50,000 ppb total PCB's level used by the NYSDEC (and EPA under its TSCA program) to define hazardous waste at the following locations: B-11(2'-4' and 4'-6'), B-17 (0.5'-2.5' and 8'-10'), B-22 (5'-7') and B-24 (4'-6'). Of the remaining sixty samples which did not meet hazardous waste criterion, 23 are considered surface samples (less than two feet in depth), and 37 are considered subsurface samples. Of the surface samples, 14 exceed the 1,000 ppb TAGM recommended soil clean-up objective (RSCO). Of the subsurface samples, two exceeded the 10,000 ppb TAGM RCO. Please see Appendix C for a more complete summary of results.

E. Intended Site Use

No specific redevelopment is contemplated. The present conceptual development plan is multi-story mixed use buildings (first floor commercial) with an associated parking structure. The main building on-site would be partially or fully demolished.

F. List of Appendices

Appendix A	Regulatory Review
Appendix B	SESI 1989 Report
Appendix C	AKRF 1999 Report



MUSS DEVELOPMENT SITE
 College Point Blvd.
 Queens, New York

SITE & SURROUNDING AREA

AKRF, Inc.

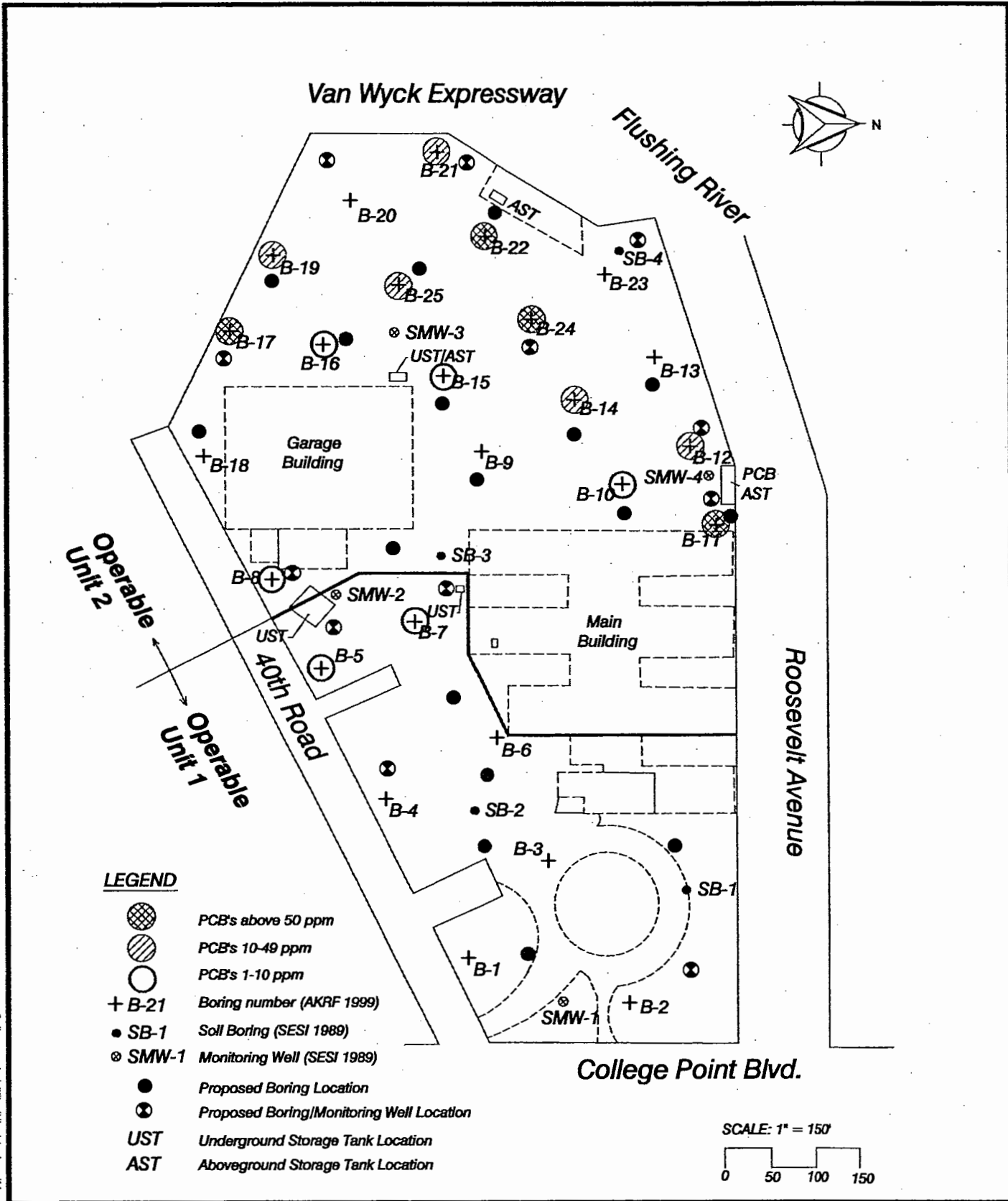
Environmental Consultants
 117 East 29 Street New York, N.Y. 10018

DATE
 5/1/00

PROJECT No.
 30141-0002

FIGURE No.
1

City of Queens/William Nicodemo's design/Mapac/AMV



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MUSS DEVELOPMENT SITE
College Point Blvd.
 Queens, New York

SAMPLING LOCATIONS

AKRF, Inc.

Environmental Consultants
 117 East 29 Street New York, N.Y. 10016

DATE
5/1/00
 PROJECT No.
30141-0002
 FIGURE No.

2

**C.E. Flushing Site
College Point Boulevard and 40th Road
Queens, New York**

Voluntary Cleanup Application Appendices

- Appendix A - Regulatory Review
- Appendix B - SESI 1989 Report
- Appendix C - AKRF 1999 Report

Prepared by:
AKRF, Inc.
117 East 29th Street
New York, NY
(212) 340-9825

June 2000

APPENDIX A
Regulatory Review

*Toxics Targeting
Computerized
Environmental Report*

**Muss Development Site
Queens, NY 11354**

March 28, 2000

Toxic Site Databases Analyzed In Your Report

Search Radius

One-Mile



1) *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



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

One-Mile



3) *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.

One-Mile



4) *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 are not eligible for state clean up funding programs.

One-Mile



5) *New York Solid Waste Facilities Registry, including New York City 1934 Sites*: active and inactive landfills, incinerators, transfer stations or other solid waste management facilities.

One-Mile



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

One-Mile



7) *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.

- *RCRA violations*: waste facilities with violations reported by the USEPA pursuant to the Resource Conservation and Recovery Act.
- *RCRIS corrective action activity (CORRACTS)*: waste facilities with RCRIS corrective action activity reported by the USEPA.

Half-Mile



8a) *Toxic Spills: active* stationary source spills reported to state environmental authorities, including unremediated leaking underground storage tanks.

Half-Mile



8b) *Toxic Spills: closed* stationary and non-stationary source spills reported to state authorities, including remediated leaking underground storage tanks.

Quarter-Mile



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

Quarter-Mile



10) ***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 violations:*** waste facilities with violations reported by the USEPA pursuant to the Resource Conservation and Recovery Act.
- ***RCRIS corrective action activity (CORRACTS):*** waste facilities with RCRIS corrective action activity reported by the USEPA.

Quarter-Mile



11) ***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

Quarter-Mile



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

Quarter-Mile



13) ***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.

Quarter-Mile



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

Quarter-Mile



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

Quarter-Mile



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

Property only



17) ***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 *Computerized 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 computerized 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 17 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.

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(s) Category Totals
NYS Inactive Hazardous Waste Disposal Sites *	0	0	0	0	1	1
CERCLIS Sites *	0	1	0	0	3	4
National Priority List Sites *	0	0	0	0	0	0
Hazardous Substance Waste Disposal Sites *	0	0	0	0	1	1
NYS Solid Waste Facilities *	1	0	0	1	6	8
NYS Major Oil Storage Facilities *	0	0	1	0	1	2
RCRA Hazardous Waste Treatment, Storage, Disposal Sites *	0	0	0	0	1	1
NYS Toxic Spills (incl. Leaking Undergrnd Storage Tanks) **	14	31	32	52(38)	Not searched	129(38)
Local & State Petroleum Bulk Storage Sites ***	5	5	30	Not searched	Not searched	40
RCRA Hazardous Waste Generators & Transporters ***	4	9	14	Not searched	Not searched	27
NYS Chemical Bulk Storage Sites ***	0	0	0	Not searched	Not searched	0
Toxic Release Inventory Sites (TRI) ***	0	0	0	Not searched	Not searched	0
Historic Utility Facilities ***	0	0	1	Not searched	Not searched	1
Permit Compliance System Toxic Wastewater Discharges ***	0	1	0	Not searched	Not searched	1
NYS Air Discharges ***	1	8	7	Not searched	Not searched	16
Civil Enforcement Docket Facilities ***	0	0	0	Not searched	Not searched	0
ERNS (Onsite) *****	0	Not searched	Not searched	Not searched	Not searched	0
Distance Interval Totals	25	55	85	53(38)	13	231(38)

Search Radius: * 1 Mile Search Radius ** 1/2 Mile Search Radius *** 1/4 Mile Search Radius **** 1/8 Mile Search Radius ***** on-site only

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

Identified Toxic Sites by Category

Muss Development Site Queens, NY 11354

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

CERCLIS/NYSDEC Inactive Hazardous Waste Sites

MAP ID#	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
4	COLLEGE POINT OIL LAGOON	123RD STREET AND 31ST AVENUE	4433 feet to the NW
5	COLLEGE POINT OIL LAGOON	123RD STREET AND 31ST AVENUE	5005 feet to the NNW

CERCLIS Sites

MAP ID#	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
1	SPECTRUM MAINTENANCE CORP	39-08 JANET PLACE	166 feet to the N*
2	PARK NAMEPLATE CO. INC.	33-37 FARRINGTON STREET	3063 feet to the NNE
3	FLUSHING RIVER COKING STATION	32ND AVE (NR FLUSHING RIVER)	3548 feet to the N

Hazardous Substance Waste Disposal Sites

MAP ID#	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
6	CONED, FLUSHING RIVER COKING	32ND AVENUE	3700 feet to the N

Solid Waste Facilities

MAP ID#	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
7	CON EDISON COMPANY OF NY		0 feet
8	CROWN CONTAINER CO.	126-46 34TH AVE	2020 feet to the WNW
9	UNKNOWN	32ND AVE. & HIGGINS AVE.	3150 feet to the N
10	BEECHHURST SHORES	139-81 35 AVENUE	3287 feet to the NE
11	CON EDISON FARRINGTON		3443 feet to the NNE
12	BEECHWHITE REALTY DEMO SL	31-40 123RD ST	4586 feet to the NNW
13	COLLEGE PT INDUS PK		5167 feet to the N
14	NYCDOS HOUSEHOLD DUMPING	31 AVENUE & 122 STREET	5220 feet to the NNW

Major Oil Storage Facilities

MAP ID#	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
15	FLUSHING TERMINAL	37-02 COLLEGE POINT BOULEVARD	665 feet to the N
16	LEFFERTS OIL TERMINAL, INC.	31-70 COLLEGE POINT BOULEVARD	3593 feet to the NNW
17	LEFFERTS OIL TERMINAL, INC.	31-70 COLLEGE POINT BOULEVARD	3862 feet to the NNW

Hazardous Waste Treatment, Storage, Disposal Facilities

MAP ID#	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
18	CON EDISON FARRINGTON ST	FARRINGTON ST & 32ND AVE	3940 feet to the N

Active Tank Failures

MAP ID#	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
19	136-68 ROOSEVELT AVE.	136-68 ROOSEVELT AVE.	1404 feet to the ENE
20	4165 MAIN ST/QUEENS/USPS	4165 MAIN STREET	1481 feet to the E
21	DEPT. OF SANITATION	127045 34TH AVENUE	1729 feet to the NW
22	SHEA GARAGE	127-48 NORTHERN BLVD	1741 feet to the NNW
23	CARLISLE TOWERS #3	42-49 COLDEN ST	2423 feet to the ESE

Active Tank Test Failures

MAP ID#	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
24	BLAND HOUSES	40005 COLLEGE POINT BLVD.	29 feet to the NE*
25	40-21 COLLEGE POINT BLVD	40-21 COLLEGE POINT BLVD	30 feet to the ENE*
26	41-06 DELONG ST/QUEENS	41006 DELONG ST	283 feet to the SSE
27	131-33 AVERY AVE/QUEENS	131033 AVERY AVENUE	1254 feet to the S
28	QUEENS COUNTY SAVINGS BAN	38-25 MAIN STREET	1361 feet to the NE
29	127-45 34TH AVE	127-45 34TH AVE	1729 feet to the NW
30	123-53 WILLET PT. RD	123053 WILLET PT. RD	1812 feet to the WSW
31	NHE REALTY	142-09 BARCLAY AVENUE	2422 feet to the ENE
32	NYPD 109TH PRECINCT	3705 UNION ST	2498 feet to the NE
33	109TH POLICE PRECINCT	37-05 UNION STREET	2498 feet to the NE

Active Haz Spills (Unknown Causes & Other Causes)

MAP ID#	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
34	MANHOLE 2856	3908 JANET PLACE	154 feet to the N*
35	39-08 JANET PLACE	39-08 JANET PLACE	154 feet to the N*
36	TALLMANS ISLAND REG #57	41ST AV & COLLEGE PT BLVD	261 feet to the ESE
37	41-06 DELONG ST/QUEENS	41006 DELONG STREET	283 feet to the SSE
38	3702	COLLAGE POINT BLVD	283 feet to the NNE
39	41-06 DELONG STREET	41006 DELONG STREET	283 feet to the SSE
40	PARKING LOT	4103 COLLEGE POINT BLVD	295 feet to the ESE
41	MANHOLE 10249	SANFORD AVE/DELONG ST	610 feet to the SSE

42		37-02 COLLEGE POINT BLVD	628 feet to the NNE
43	VACANT LOT	37-02 COLLEGE POINT BLVD	628 feet to the NNE
44	EXCAVATION	36ND AVE AT COLLEGE POINT	1129 feet to the N
45	MANHOLE 17277	WILLETS POINT BLVD+38TH	1173 feet to the W
46	CASEY STENGAL DEPOT	126-53 WILLETS POINT BLVD	1214 feet to the W
47	F.F. AUTO SALVAGE	126034 WILLETS POINT BLVD	1217 feet to the W
48		126-33 WILLETS POINT BL	1252 feet to the W
49	MAN HOLE 15679	ROOSEVELT AV/MAIN ST	1286 feet to the ENE
50	FLUSHING BAY	COLLEGE PT & NORTHERN BLV	1620 feet to the N
51	SERVICE BOX 37566	NORTHERN BL & COLLEGE PT	1620 feet to the N
52	NYC DEPT OF PARKS QN 11C	127-45 34 AVE	1729 feet to the NW
53	DOS GARAGE - QUEENS N 11	127-45 34TH AV	1729 feet to the NW
54	VS 6739	42-14 MAIN ST	1747 feet to the ESE
55	36-18 MAIN STREET	36-18 MAIN STREET	1788 feet to the NNE
56	MANHOLE 15071	35TH AV / COLLEGE POINT B	1978 feet to the N
57	40' W OF WILLETS BLVD &	100' N OF NORTHERN BLVD	2024 feet to the NNW
58	SERVICE BOX 42508	33-30 127 PLACE	2030 feet to the NW
59	123-30	ROOSEVELT AVE	2065 feet to the WSW
60	SERVICE BOX 42508	3315 127TH PL	2074 feet to the NW
61	CORONA YARD	2ND & 120TH STREET	2305 feet to the WSW
62	127TH PLACE AT	NORTHERN BLVD	2350 feet to the NW
63	142-05 ROSEVELT AVE	142-05 ROSEVELT AVE A330	2380 feet to the ENE
64	BLACKTOP	137-58 NORTHERN BLVD R/O	2505 feet to the NE
65	MANHOLE 397	34TH AV & COLLEGEPOINT BL	2574 feet to the N
66	ON THE STREET IN FRONT OF	132-19 34AV	2618 feet to the N

Active Haz Spills (Miscellaneous Spill Causes)

MAP ID#	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
67	133-11 ROOSEVELT AVE.	133011 ROOSEVELT AVE.	47 feet to the NE*
68	COLLEGE PT BLVD, R'SVELT	39-08 JANET PL	154 feet to the N*
69	AMICO SERVICE STATION	39-14 COLLEGE POINT BLVD	244 feet to the NNE
70	REGULATOR 57	41ST AV/LAWRENCE ST	260 feet to the ESE
71	REGULATOR 57	41ST AVE/LAWRENCE ST	261 feet to the ESE
72	41-06 DELONG ST.	41006 DELONG ST.	283 feet to the SSE
73	3630 COLLEGE PT. BLVD	3630 COLLEGE PT. BLVD	978 feet to the N
74	126-44 WILLETS PT. BLVD	126044 WILLETS PT. BLVD	1176 feet to the W
75	CASY STANGO BUS DEPOT	126-53 WILLETS POINT BLVD	1214 feet to the W
76	CASEY STANGLE BUS DEPOT	126-53 WILLITTS POINT BLV	1214 feet to the W
77	FLUSHING BUS DEPOT	126 - 53 WILLETS POINT RD	1214 feet to the W
78	126-53 WILLETS POINT BLVD	126-53 WILLETS POINT BLVD	1214 feet to the W
79	NYC TRANSIT AUTHORITY	126-53 WILLETS POINT BLVD	1214 feet to the W
80	1 LIBRARY PLAZA	MAIN ST & KISSENA BLVD	1270 feet to the ENE
81	1 LIBRARY PLAZA -MAIN ST	1 LIBRARY PLAZA-MAIN ST	1270 feet to the ENE

Closed Status Tank Failures

MAP ID#	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
82	PITTSTON/METRO COL. PT.	COLLEGE PT / 37TH AVE	764 feet to the NNE
83		127-92 WILLETS PT BLVD	1215 feet to the W
84	41-60 MAIN ST/GREENPOINT	41-60 MAIN ST/GREENPOINT	1408 feet to the E
85	138-10 FRANKLIN AVE	138-10 FRANKLIN AVE	2282 feet to the ESE

Closed Status Tank Test Failures

MAP ID#	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
86	BLAND	40-05 COLLEGE PT BLVD	29 feet to the NE*
87	ASCOR SCRAP METAL INC.	127-08 WILLETS PT BLVD	1117 feet to the WNW
88	39-15 MAIN STREET	39-15 MAIN ST	1308 feet to the NE
89	136-21 ROOSEVELT AVENUE	136-21 ROOSEVELT AVENUE	1325 feet to the ENE
90	41-61 KISSENA BLVD/QUEENS	41-61 KISSENA BLVD	1723 feet to the E
91	126-46 34TH AVENUE	126-46 34TH AVE	2024 feet to the WNW
92	CROWN WASTE	126-46 34 AV	2024 feet to the WNW
93	126-46 34TH AVE/FLUSHING	126-46 34TH AVE	2024 feet to the WNW
94	134-25 35TH STREET	134-25 35TH STREET	2241 feet to the NNE
95	NYC DEPT. OF SANITATION	134-25 35TH AVENUE	2241 feet to the NNE
96		136-04 CHERRY AV	2590 feet to the ESE

Closed Status Spills (Unknown Causes & Other Causes)

MAP ID#	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
97	INTERSECTION ROOSEVELT	AND JANET PLACE	0 feet
98	131-60 40TH ROAD/QUEENS	131-60 40TH ROAD	0 feet
99	BROKEN FORCE MAIN	40 ROAD NR COLLGE PT BLVD	0 feet
100	133-11 ROOSEVELT AV/MOBIL	133-11 ROOSEVELT AVENUE	47 feet to the NE*
101	VAN WYCK EXPWY & ROOSVELT	VAN WYCK EXPWY & ROOSVELT	218 feet to the W

102	134-04 39TH AVE	133-04 39TH AVE	271 feet to the NNE
103	39TH ST + COLLEGE PT BLVD	39TH ST + COLLEGE PT BLVD	291 feet to the NNE
104	37-02 COLLEGE POINT BLVD	37-02 COLLEGE POINT BLVD	628 feet to the NNE
105	133-30 37TH AVE.	133030 37TH AVE.	796 feet to the NNE
106	WILLETS PT BLVD/ROOSEVELT	WILLETS PT BLVD/ROOSEVELT	1374 feet to the WSW
107	38-01 MAIN STREET	38-01 MAIN STREET	1383 feet to the NE
108	PREVETE BROTHERS	125-15 ROOSEVELT AVE	1599 feet to the WSW
109	COLLEGE POINT BLVD/NORTHE	COLLEGE PT./NORTHERN BLVD	1620 feet to the N
110		E OF 135-25 NORTHERN BLVS	1759 feet to the NNE
111	33-40 127TH PLACE	33-40 127TH PLACE	1989 feet to the NW
112	126-12 34TH AVE	126-12 34TH AVE	2223 feet to the WNW
113	NYC DEPT. OF SANITATION	134-25 35TH AVENUE	2241 feet to the NNE
114	38TH AVE	UNION ST.	2390 feet to the NE
115	GOODLUCK AUTO PARTS	126-32 NORTHERN BLVD	2574 feet to the WNW

Closed Status Spills (Miscellaneous Spill Causes)

MAP ID#	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
→ 116	40TH RD. & COLLEGE POINT	40TH RD. & COLLEGE PT.	0 feet
— 117	BLAND HOUSES	40-05 COLLEGE POINT BLVD	29 feet to the NE*
— 118	BLAND HOUSES	40-05 COLLEGE POINT BLVD	29 feet to the NE*
— 119	BLAND	40-05 COLLEGE POINT BLVD	29 feet to the NE*
— 120	BLAND HOUSES	40-21 COLLEGE PT BLVD	30 feet to the ENE*
— 121	BLAND	40-21 COLLEGE PT BLVD	30 feet to the ENE*
122	TALLMAN ISLAND REG #57	40 1ST AVE & LAWREANCE ST	260 feet to the ESE
123	TALLMANS ISLAND REG #57	41ST AVE & LAWRENCE ST	260 feet to the ESE
124	VEH MAINTENANCE SHOP	41ST AVE/COLLEGE POINT BL	261 feet to the ESE
125	TULLMAN ISLAND REGULATOR	41 AVE AND COLLEGE PT. BL	261 feet to the ESE
126	41ST AVE. & LAWRENCE ST./	41ST AVE. & LAWRENCE ST.	261 feet to the ESE
127	41ST AVENUE; COLLEGE POIN	41ST AVE; COLLEGE PT. BLD	261 feet to the ESE
128	41ST AVENUE AND LAWRENCE	41ST AVE. & LAWRENCE ST.	261 feet to the ESE
129	39TH AVE/COLLEGE POINT BL	39TH AVE/COLLEGE POINT BL	291 feet to the NNE
130	37-52 COLLEGE POINT BLVD	37-52 COLLEGE POINT BLVD	474 feet to the NNE
131	ATLANTIC FUEL/COLLEGE PT	37-02 COLLEGE PT BLVD	628 feet to the NNE
132	37-02 COLLEGE PT BL /QUNS	37-02 COLLEGE PT. BLVD	628 feet to the NNE
133	37-01 COLLEGE PT AVE	37-01 COLLEGE PT AVE	750 feet to the NNE
134	RESI: HARSHI MGMT	132-35 SANFORD AV	817 feet to the ESE
135	133-01 SANFORD AVE/QUEENS	133-01 SANFORD AVE	985 feet to the ESE
136	126-88 WILLETS PT BLVD	126-88 WILLETS PT BLVD	1119 feet to the WNW
137	127-18 WILLETS PT BLVD	127-18 WILLETS PT BLVD	1131 feet to the WNW
138	126-44 WILLETS PT BLVD	126-44 WILLETS PT BLVD	1176 feet to the W
139	127-27 WILLETS PT BLVD	127-27 WILLETS PT BLVD	1199 feet to the WNW
140		3914 MAIN ST	1249 feet to the NE
141	40-23 MAIN ST	40-23 MAIN ST	1283 feet to the ENE
142	MAIN STREET &	ROOSEVELT AVENUE	1286 feet to the ENE
143	39-01 MAIN STREET	39-01 MAIN STREET	1309 feet to the NE
144	134-23 NORTHERN BLVD / PA	134-23 NORTHERN BLVD	1714 feet to the N
145	SHEA TRUCK AND AUTO	127-48 NORTHERN BLVD	1741 feet to the NNW
146	135-29 NORTHERN BLVD	135-29 NORTHERN BLVD	1775 feet to the NNE
147	142-27 BARCLAY AVE	142-27 BARCLAY AVE	2527 feet to the ENE

Petroleum Bulk Storage Sites

MAP ID#	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
→ 148	COLLEGE POINT SERVICE CENTER	40-22 COLLEGE POINT BLVD.	0 feet
149	COMMODITIES ASSISTANCE CORP	131-02 40TH ROAD	0 feet
150	PRIDE LAUNDRY INC	131-66 40TH RD	0 feet
151	BLAND	40-21 COLLEGE POINT BLVD	23 feet to the ENE*
152	MOBIL S/S #17-GC4	133-11 ROOSEVELT AVE	44 feet to the NE*
153	FLUSHING TRUCK REPAIR CO INC	39-08 JANET PLACE	152 feet to the N*
154	AMOCO SERVICE STATION #2016	39-14 COLLEGE POINT BOULEVARD	245 feet to the NNE
155	DELONG REALTY	41-06 DELONG STREET	281 feet to the SSE
156	GRAPHIK DIMENSIONS, LTD	41-23 HAIGHT STREET	414 feet to the SE
157	TRIANGLE REALTY LLC	37-33 COLLEGE POINT BLVD	600 feet to the NNE
158	KEPCO, INC.	131-38 SANFORD AVENUE	724 feet to the SSE
159	RIDGE APARTMENTS OWNERS CORP	41-34 FRAME PLACE	739 feet to the E
160	LINZER PRODUCTS INC.	133-30 37TH AVENUE	796 feet to the NNE
161	SANFORD FLUSHING ASSOCIATES	132-35 SANFORD AVE	824 feet to the ESE
162	SANFORD S/S 1897	42-05 COLLEGE PT. & SANFORD AV	837 feet to the SE
163	JENIK MOTOR SERVICE, INC	42-05 COLLEGE POINT BLVD	837 feet to the SE
164	JENIK MOTOR SERVICE	42-05 COLLEGE POINT BLVD	837 feet to the SE
165	SANFORD TERRACE APTS.	132-57 SANFORD AVE (132-48 41 RD)	847 feet to the ESE
166	MONAHAN FORD SERVICE	37-20 PRINCE STREET	859 feet to the NE
167	MARK L BLECHER	132-30 SANFORD AVE	867 feet to the ESE

168	SUMMIT HOUSE APTS	132-40 SANFORD AVENUE	873 feet to the ESE
169	C.J. AUTO CENTER, INC.	133-53 37TH AVE.	911 feet to the NNE
170	W & W REALTY, LLC	132-70 SANFORD AVE	926 feet to the ESE
171	FIREHOUSE COMMUN & 14 DIV D.O.	135-16 38TH AVENUE	932 feet to the NE
172	U-HAUL COMPANY OF METRO NEW YORK	36-30 COLLEGE POINT BOULEVARD	971 feet to the N
173	SEAFORD RTLY CO	133-01 SANFORD AVE	990 feet to the ESE
174	135-27 38TH AVE	135-27 38TH AVENUE	1003 feet to the NE
175	APARTMENT HOUSE	133-17 SANFORD AVE	1008 feet to the ESE
176	SANDALE COOP APTS INC	133-27 SANFORD AVE	1019 feet to the ESE
177	SANFORD HOUSING TENANTS CORP	133-33 SANFORD AVE	1026 feet to the ESE
178	132-09 MAPLE AVENUE	132-09 MAPLE AVENUE	1170 feet to the SE
179	132-17 MAPLE AVENUE	132-17 MAPLE AVENUE	1174 feet to the SE
180	STONERIDGE APTS.	132-25/45 MAPLE AVE	1178 feet to the SE
181	D B A PAN REAL ESTATE	41-81 FRAME PLACE	1218 feet to the ESE
182	132-24 MAPLE AVE	132-24 MAPLE AVE	1223 feet to the SE
183	AMERICAN BAKERIES JCO	131-33 AVERY AVE	1260 feet to the S
184	MUSICK S/S INC #5487	126-25 WILLETS POINT BLVD	1275 feet to the W
185	CHASE MANHATTAN BANK BR#111	39-15 MAIN STREET	1301 feet to the NE
186	ILAN APTS	41-90 FRAME PLACE	1302 feet to the ESE
187	GERSON PROPERTIES	39-01 MAIN STREET	1302 feet to the NE

Hazardous Waste Generators, Transporters

MAP ID#	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
188	CONSOLIDATED EDISON COMPANY OF NEW YORK	40-22 COLLEGE POINT BOULEVARD	0 feet
189	MOBIL OIL CORP SS GC4	133-11 ROOSEVELT AVE	44 feet to the NE*
190	FRENCH VALET DRY CLNRS & HAND LAUNDRY	131-66 40TH RD	73 feet to the SSE*
191	NEW YORK CITY TRANSIT AUTHORITY	133-15 ROOSEVELT AVE	75 feet to the NE*
192	NYC HOUSING AUTHORITY	133-30 ROOSEVELT AVE	115 feet to the NE*
193	R & B TRANSMISSIONS INC	40-55 COLLEGE POINT BLVD	152 feet to the E*
194	AAMCO TRANSMISSION	13345 ROOSEVELT AVENUE	198 feet to the NE*
195	TEXACO INCORPORATED	3915 COLLEGE POINT ROAD	235 feet to the NE
196	SUNOCO SERVICE STATION	41-02 LAWRENCE ST	269 feet to the ESE
197	PATIENT TECHNOLOGY INC	133-14 39TH AVE	300 feet to the NE
198	H B CHEVROLET INC	133-31 39TH AVE	363 feet to the NNE
199	NORTH SHORE OLDS	37-52 COLLEGE POINT BOULEVARD	465 feet to the NNE
200	ATLANTIC FUELS MARKETING CORP	37-02 COLLEGE POINT BLVD	628 feet to the NNE
201	DOUGHERTY AUTO BODY INCORPORATED	131-41 SANTURN AVENUE	694 feet to the SSE
202	SMALL CAR COLLISION INC	131-32 SANFORD AVENUE	706 feet to the SSE
203	KEPCO INCORPORATED	131-38 SANFORD AVENUE	724 feet to the SSE
204	FORSTER BROTHERS INCORPORATED	39-15 PRINCE STREET	810 feet to the NE
205	CONSOLIDATED EDISON CO	V800 ROOSEVELT AVE 126 ST	811 feet to the WSW
206	CORDOVA INC	42-08 COLLEGE POINT BLVD	831 feet to the SE
207	CORDOVA, INC	42-08 COLLEGE POINT BLVD.	831 feet to the SE
208	MONAHAN FORD CORPORATION	37-20 PRINCE STREET	864 feet to the NE
209	HUTTER AUTO BODY INCORPORATED	133-53 37TH AVENUE	904 feet to the NNE
210	KENT ELECTRO-PLATING CORP	36-34 PRINCE ST	1144 feet to the NNE
211	NEW YORK STATE DEPT OF TRANSPORTATION	VAN WYCK EXPRESSWAY	1193 feet to the S
212	AMERICAN BAKERIES CORPORATION	131-33 AVERY AVENUE	1260 feet to the S
213	HOME DEPOT THE 1214	131-35 AVERY AVE	1266 feet to the SSE
214	EXXON CORPORATION	126-25 WILLET POINT	1274 feet to the W

Historic Utility Sites

MAP ID#	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
215			1297 feet to the NE

Wastewater Discharge Facilities

MAP ID#	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
216	ATLANTIC FUELS-FLUSHING TERM.	3702 LAWRENCE ST	627 feet to the NNE

Air Discharge Sites

MAP ID#	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
217	NO SOURCE NAME	132-01 ROOSEVELT AVE	36 feet to the NNE*
218	CLARET ENVIRONMENTAL	39-08 JANET PLACE	156 feet to the N*
219	SPECTRUM MAINTENANCE CORP	39-08 JANET PL	156 feet to the N*
220	CLARET ENVIRONMENTAL	39-08 JANET PLACE	156 feet to the N*
221	SPECTRUM MAINTENANCE	39-08 JANET PLACE	156 feet to the N*
222	LEVIN FIXTURE CORP	40-70 DELONG ST	225 feet to the SSE
223	LEVIN FIXTURE CORP	40-70 DELONG ST	225 feet to the SSE
224	FLUSHING MILLS	131-29 SANFORD AVENUE	644 feet to the SSE
225	FLUSHING MILLS	131-29 SANFORD ST	644 feet to the SSE
226	RAYEX CORP	133-30 37 AVE	798 feet to the NNE
227	LENSCRAFT OPTICAL CO	133-30 37 AVE	798 feet to the NNE

168	SUMMIT HOUSE APTS	132-40 SANFORD AVENUE	873 feet to the ESE
169	C.J. AUTO CENTER, INC.	133-53 37TH AVE.	911 feet to the NNE
170	W & W REALTY, LLC	132-70 SANFORD AVE	926 feet to the ESE
171	FIREHOUSE COMMUN & 14 DIV D.O.	135-16 38TH AVENUE	932 feet to the NE
172	U-HAUL COMPANY OF METRO NEW YORK	36-30 COLLEGE POINT BOULEVARD	971 feet to the N
173	SEAFORD RTLY CO	133-01 SANFORD AVE	990 feet to the ESE
174	135-27 38TH AVE	135-27 38TH AVENUE	1003 feet to the NE
175	APARTMENT HOUSE	133-17 SANFORD AVE	1008 feet to the ESE
176	SANDALE COOP APTS INC	133-27 SANFORD AVE	1019 feet to the ESE
177	SANFORD HOUSING TENANTS CORP	133-33 SANFORD AVE	1026 feet to the ESE
178	132-09 MAPLE AVENUE	132-09 MAPLE AVENUE	1170 feet to the SE
179	132-17 MAPLE AVENUE	132-17 MAPLE AVENUE	1174 feet to the SE
180	STONERIDGE APTS.	132-25/45 MAPLE AVE	1178 feet to the SE
181	D B A PAN REAL ESTATE	41-81 FRAME PLACE	1218 feet to the ESE
182	132-24 MAPLE AVE	132-24 MAPLE AVE	1223 feet to the SE
183	AMERICAN BAKERIES JCO	131-33 AVERY AVE	1260 feet to the S
184	MUSICK S/S INC #5487	126-25 WILLETS POINT BLVD	1275 feet to the W
185	CHASE MANHATTAN BANK BR#111	39-15 MAIN STREET	1301 feet to the NE
186	ILAN APTS	41-90 FRAME PLACE	1302 feet to the ESE
187	GERSON PROPERTIES	39-01 MAIN STREET	1302 feet to the NE

Hazardous Waste Generators, Transporters

MAP ID#	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
188	CONSOLIDATED EDISON COMPANY OF NEW YORK	40-22 COLLEGE POINT BOULEVARD	0 feet
189	MOBIL OIL CORP SS GC4	133-11 ROOSEVELT AVE	44 feet to the NE*
190	FRENCH VALET DRY CLNRS & HAND LAUNDRY	131-66 40TH RD	73 feet to the SSE*
191	NEW YORK CITY TRANSIT AUTHORITY	133-15 ROOSEVELT AVE	75 feet to the NE*
192	NYC HOUSING AUTHORITY	133-30 ROOSEVELT AVE	115 feet to the NE*
193	R & B TRANSMISSIONS INC	40-55 COLLEGE POINT BLVD	152 feet to the E*
194	AAMCO TRANSMISSION	13345 ROOSEVELT AVENUE	198 feet to the NE*
195	TEXACO INCORPORATED	3915 COLLEGE POINT ROAD	235 feet to the NE
196	SUNOCO SERVICE STATION	41-02 LAWRENCE ST	269 feet to the ESE
197	PATIENT TECHNOLOGY INC	133-14 39TH AVE	300 feet to the NE
198	H B CHEVROLET INC	133-31 39TH AVE	363 feet to the NNE
199	NORTH SHORE OLDS	37-52 COLLEGE POINT BOULEVARD	465 feet to the NNE
200	ATLANTIC FUELS MARKETING CORP	37-02 COLLEGE POINT BLVD	628 feet to the NNE
201	DOUGHERTY AUTO BODY INCORPORATED	131-41 SANTURN AVENUE	694 feet to the SSE
202	SMALL CAR COLLISION INC	131-32 SANFORD AVENUE	706 feet to the SSE
203	KEPCO INCORPORATED	131-38 SANFORD AVENUE	724 feet to the SSE
204	FORSTER BROTHERS INCORPORATED	39-15 PRINCE STREET	810 feet to the NE
205	CONSOLIDATED EDISON CO	V800 ROOSEVELT AVE 126 ST	811 feet to the WSW
206	CORDOVA INC	42-08 COLLEGE POINT BLVD	831 feet to the SE
207	CORDOVA, INC	42-08 COLLEGE POINT BLVD.	831 feet to the SE
208	MONAHAN FORD CORPORATION	37-20 PRINCE STREET	864 feet to the NE
209	HUTTER AUTO BODY INCORPORATED	133-53 37TH AVENUE	904 feet to the NNE
210	KENT ELECTRO-PLATING CORP	36-34 PRINCE ST	1144 feet to the NNE
211	NEW YORK STATE DEPT OF TRANSPORTATION	VAN WYCK EXPRESSWAY	1193 feet to the S
212	AMERICAN BAKERIES CORPORATION	131-33 AVERY AVENUE	1260 feet to the S
213	HOME DEPOT THE 1214	131-35 AVERY AVE	1266 feet to the SSE
214	EXXON CORPORATION	126-25 WILLET POINT	1274 feet to the W

Historic Utility Sites

MAP ID#	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
215			1297 feet to the NE

Wastewater Discharge Facilities

MAP ID#	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
216	ATLANTIC FUELS-FLUSHING TERM.	3702 LAWRENCE ST	627 feet to the NNE

Air Discharge Sites

MAP ID#	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
217	NO SOURCE NAME	132-01 ROOSEVELT AVE	36 feet to the NNE*
218	CLARET ENVIRONMENTAL	39-08 JANET PLACE	156 feet to the N*
219	SPECTRUM MAINTENANCE CORP	39-08 JANET PL	156 feet to the N*
220	CLARET ENVIRONMENTAL	39-08 JANET PLACE	156 feet to the N*
221	SPECTRUM MAINTENANCE	39-08 JANET PLACE	156 feet to the N*
222	LEVIN FIXTURE CORP	40-70 DELONG ST	225 feet to the SSE
223	LEVIN FIXTURE CORP	40-70 DELONG ST	225 feet to the SSE
224	FLUSHING MILLS	131-29 SANFORD AVENUE	644 feet to the SSE
225	FLUSHING MILLS	131-29 SANFORD ST	644 feet to the SSE
226	RAYEX CORP	133-30 37 AVE	798 feet to the NNE
227	LENSCRAFT OPTICAL CO	133-30 37 AVE	798 feet to the NNE

Identified Toxic Sites by Direction

Muss Development Site
Queens, NY 11354

* 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
7	CON EDISON COMPANY OF NY		0 feet	Solid Waste Facility
97	INTERSECTION ROOSEVELT	AND JANET PLACE	0 feet	Closed Status Spill (Unk/Other Cause)
98	131-60 40TH ROAD/QUEENS	131-60 40TH ROAD	0 feet	Closed Status Spill (Unk/Other Cause)
99	BROKEN FORCE MAIN	40 ROAD NR COLLEGE PT BLVD	0 feet	Closed Status Spill (Unk/Other Cause)
116	40TH RD. & COLLEGE POINT	40TH RD. & COLLEGE PT.	0 feet	Closed Status Spill (Misc. Spill Cause)
148	COLLEGE POINT SERVICE CENTER	40-22 COLLEGE POINT BLVD.	0 feet	Petroleum Bulk Storage Site
149	COMMODITIES ASSISTANCE CORP	131-02 40TH ROAD	0 feet	Petroleum Bulk Storage Site
150	PRIDE LAUNDRY INC	131-66 40TH RD	0 feet	Petroleum Bulk Storage Site
188	CONSOLIDATED EDISON COMPANY OF NEW YORK	40-22 COLLEGE POINT BOULEVARD	23 feet to the ENE*	Hazardous Waste Generator/Transporter
151	BLAND	40-21 COLLEGE POINT BLVD	29 feet to the NE*	Petroleum Bulk Storage Site
24	BLAND HOUSES	40005 COLLEGE POINT BLVD.	29 feet to the NE*	Active Tank Test Failure
86	BLAND	40-05 COLLEGE PT BLVD	29 feet to the NE*	Closed Status Tank Test Failure
117	BLAND HOUSES	40-05 COLLEGE POINT BLVD	29 feet to the NE*	Closed Status Spill (Misc. Spill Cause)
118	BLAND HOUSES	40-05 COLLEGE POINT BLVD	29 feet to the NE*	Closed Status Spill (Misc. Spill Cause)
119	BLAND	40-05 COLLEGE POINT BLVD	29 feet to the NE*	Closed Status Spill (Misc. Spill Cause)
25	40-21 COLLEGE POINT BLVD	40-21 COLLEGE POINT BLVD	30 feet to the ENE*	Active Tank Test Failure
120	BLAND HOUSES	40-21 COLLEGE PT BLVD	30 feet to the ENE*	Closed Status Spill (Misc. Spill Cause)
121	BLAND	40-21 COLLEGE PT BLVD	30 feet to the ENE*	Closed Status Spill (Misc. Spill Cause)
217	NO SOURCE NAME	132-01 ROOSEVELT AVE	36 feet to the NNE*	Air Discharge Site
152	MOBIL S/S #17-GC4	133-11 ROOSEVELT AVE	44 feet to the NE*	Petroleum Bulk Storage Site
189	MOBIL OIL CORP SS GC4	133-11 ROOSEVELT AVE	44 feet to the NE*	Hazardous Waste Generator/Transporter
67	133-11 ROOSEVELT AVE.	133011 ROOSEVELT AVE.	47 feet to the NE*	Active Haz Spill (Misc. Spill Cause)
100	133-11 ROOSEVELT AV/MOBIL	133-11 ROOSEVELT AVENUE	47 feet to the NE*	Closed Status Spill (Unk/Other Cause)
190	FRENCH VALET DRY CLNRS & HAND LAUNDRY	131-66 40TH RD	73 feet to the SSE*	Hazardous Waste Generator/Transporter
191	NEW YORK CITY TRANSIT AUTHORITY	133-15 ROOSEVELT AVE	75 feet to the NE*	Hazardous Waste Generator/Transporter

Sites between 100 ft and 660 ft from the subject property sorted by direction and distance

Map Id#	Site Name	Site Street	Approximate Distance & Direction From Property	Toxic Site Category
153	FLUSHING TRUCK REPAIR CO INC	39-08 JANET PLACE	152 feet to the N*	Petroleum Bulk Storage Site
34	MANHOLE 2856	3908 JANET PLACE	154 feet to the N*	Active Haz Spill (Unknown/Other Cause)
35	39-08 JANET PLACE	39-08 JANET PLACE	154 feet to the N*	Active Haz Spill (Unknown/Other Cause)
68	COLLEGE PT BLVD, R'SVELT	39-08 JANET PL	154 feet to the N*	Active Haz Spill (Misc. Spill Cause)
218	CLARET ENVIRONMENTAL	39-08 JANET PLACE	156 feet to the N*	Air Discharge Site
219	SPECTRUM MAINTENANCE CORP	39-08 JANET PL	156 feet to the N*	Air Discharge Site
220	CLARET ENVIRONMENTAL	39-08 JANET PLACE	156 feet to the N*	Air Discharge Site
221	SPECTRUM MAINTENANCE	39-08 JANET PLACE	156 feet to the N*	Air Discharge Site
1	SPECTRUM MAINTENANCE CORP	39-08 JANET PLACE	166 feet to the N*	CERCLIS Site

69	AMICO SERVICE STATION	39-14 COLLEGE POINT BLVD	244 feet to the NNE	Active Haz Spill (Misc. Spill Cause)
150	AMOCO SERVICE STATION #2016	39-14 COLLEGE POINT BOULEVARD	245 feet to the NNE	Petroleum Bulk Storage Site
102	134-04 39TH AVE	133-04 39TH AVE	271 feet to the NNE	Closed Status Spill (Unk/Other Cause)
38	3702	COLLAGE POINT BLVD	283 feet to the NNE	Active Haz Spill (Unknown/Other Cause)
103	39TH ST + COLLEGE PT BLVD	39TH ST + COLLEGE PT BLVD	291 feet to the NNE	Closed Status Spill (Unk/Other Cause)
129	39TH AVE/COLLEGE POINT BL	39TH AVE/COLLEGE POINT BL	291 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
198	H B CHEVROLET INC	133-31 39TH AVE	363 feet to the NNE	Hazardous Waste Generator/Transporter
189	NORTH SHORE OLDS	37-52 COLLEGE POINT BOULEVARD	465 feet to the NNE	Hazardous Waste Generator/Transporter
130	37-52 COLLEGE POINT BLVD	37-52 COLLEGE POINT BLVD	474 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
157	TRIANGLE REALTY LLC	37-33 COLLEGE POINT BLVD	600 feet to the NNE	Petroleum Bulk Storage Site
216	ATLANTIC FUELS-FLUSHING TERM.	3702 LAWRENCE ST	627 feet to the NNE	Wastewater Discharge Facility
42	VACANT LOT	37-02 COLLEGE POINT BLVD	628 feet to the NNE	Active Haz Spill (Unknown/Other Cause)
104	37-02 COLLEGE POINT BLVD	37-02 COLLEGE POINT BLVD	628 feet to the NNE	Active Haz Spill (Unknown/Other Cause)
131	ATLANTIC FUEL/COLLEGE PT	37-02 COLLEGE POINT BLVD	628 feet to the NNE	Closed Status Spill (Unk/Other Cause)
132	37-02 COLLEGE PT BL/QUNS	37-02 COLLEGE PT BLVD	628 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
200	ATLANTIC FUELS MARKETING CORP	37-02 COLLEGE POINT BLVD	628 feet to the NNE	Hazardous Waste Generator/Transporter
192	NYC HOUSING AUTHORITY	133-30 ROOSEVELT AVE	115 feet to the NE*	Hazardous Waste Generator/Transporter
194	AAMCO TRANSMISSION	13345 ROOSEVELT AVENUE	198 feet to the NE*	Hazardous Waste Generator/Transporter
195	TEXACO INCORPORATED	3915 COLLEGE POINT ROAD	235 feet to the NE	Hazardous Waste Generator/Transporter
197	PATIENT TECHNOLOGY INC	133-14 39TH AVE	300 feet to the NE	Hazardous Waste Generator/Transporter
193	R & B TRANSMISSIONS INC	40-55 COLLEGE POINT BLVD	152 feet to the E*	Hazardous Waste Generator/Transporter
70	REGULATOR 57	41ST AV/LAWRENCE ST	260 feet to the ESE	Active Haz Spill (Misc. Spill Cause)
122	TALLMAN ISLAND REG #57	40 1ST AVE & LAWRENCE ST	260 feet to the ESE	Closed Status Spill (Misc. Spill Cause)
123	TALLMANS ISLAND REG #57	41ST AVE & LAWRENCE ST	260 feet to the ESE	Closed Status Spill (Misc. Spill Cause)
36	TALLMANS ISLAND REG #57	41ST AV & COLLEGE PT BLVD	261 feet to the ESE	Active Haz Spill (Unknown/Other Cause)
71	REGULATOR 57	41ST AVE/LAWRENCE ST	261 feet to the ESE	Active Haz Spill (Misc. Spill Cause)
124	VEH MAINTENANCE SHOP	41ST AVE/COLLEGE POINT BL	261 feet to the ESE	Closed Status Spill (Misc. Spill Cause)
125	TULLMAN ISLAND REGULATOR	41 AVE AND COLLEGE PT. BL	261 feet to the ESE	Closed Status Spill (Misc. Spill Cause)
126	41ST AVE. & LAWRENCE ST./	41ST AVE. & LAWRENCE ST.	261 feet to the ESE	Closed Status Spill (Misc. Spill Cause)
127	41ST AVENUE: COLLEGE POIN	41ST AVE: COLLEGE PT. BLD	261 feet to the ESE	Closed Status Spill (Misc. Spill Cause)
128	41ST AVENUE AND LAWRENCE	41ST AVE. & LAWRENCE ST.	261 feet to the ESE	Closed Status Spill (Misc. Spill Cause)
196	SUNOCO SERVICE STATION	41-02 LAWRENCE ST	269 feet to the ESE	Hazardous Waste Generator/Transporter
40	PARKING LOT	4103 COLLEGE POINT BLVD	295 feet to the ESE	Active Haz Spill (Unknown/Other Cause)
156	GRAPHIK DIMENSIONS, LTD	41-23 HAIGHT STREET	414 feet to the SE	Petroleum Bulk Storage Site
222	LEVIN FIXTURE CORP	40-70 DELONG ST	225 feet to the SSE	Air Discharge Site
223	LEVIN FIXTURE CORP	40-70 DELONG ST	225 feet to the SSE	Air Discharge Site
155	DELONG REALTY	41-06 DELONG STREET	281 feet to the SSE	Petroleum Bulk Storage Site
26	41-06 DELONG ST/QUEENS	41006 DELONG ST	283 feet to the SSE	Active Tank Test Failure
37	41-06 DELONG ST/QUEENS	41006 DELONG STREET	283 feet to the SSE	Active Haz Spill (Unknown/Other Cause)
39	41-06 DELONG STREET	41006 DELONG STREET	283 feet to the SSE	Active Haz Spill (Unknown/Other Cause)
72	41-06 DELONG ST.	41006 DELONG ST.	283 feet to the SSE	Active Haz Spill (Misc. Spill Cause)
41	MANHOLE 10249	SANFORD AVE/DELONG ST	610 feet to the SSE	Active Haz Spill (Unknown/Other Cause)
224	FLUSHING MILLS	131-29 SANFORD AVENUE	644 feet to the SSE	Air Discharge Site
225	FLUSHING MILLS	131-29 SANFORD ST	644 feet to the SSE	Air Discharge Site
101	VAN WYCK EXPWY & ROOSVELT	VAN WYCK EXPWY & ROOSVELT	218 feet to the W	Closed Status Spill (Unk/Other Cause)

Sites equal to or greater than 660 ft from subject property sorted by direction and distance

Map Id#	Site Name	Site Street	Approximate Distance & Direction From Property	Toxic Site Category
15	FLUSHING TERMINAL	37-02 COLLEGE POINT BOULEVARD	665 feet to the N	Major Oil Storage Facility
172	U-HAUL COMPANY OF METRO NEW YORK	36-30 COLLEGE POINT BOULEVARD	971 feet to the N	Petroleum Bulk Storage Site
73	3630 COLLEGE PT. BLVD	3630 COLLEGE PT. BLVD	978 feet to the N	Active Haz Spill (Misc. Spill Cause)
44	EXCAVATION	36ND AVE AT COLLEGE POINT	1129 feet to the N	Active Haz Spill (Unknown/Other Cause)
50	FLUSHING BAY	COLLEGE PT & NORTHERN BLV	1620 feet to the N	Active Haz Spill (Unknown/Other Cause)
51	SERVICE BOX 37566	NORTHERN BL & COLLEGE PT	1620 feet to the N	Active Haz Spill (Unknown/Other Cause)
109	COLLEGE POINT BLVD/NORTHE	COLLEGE PT./NORTHERN BLVD	1620 feet to the N	Closed Status Spill (Unk/Other Cause)
144	134-23 NORTHERN BLVD / PA	134-23 NORTHERN BLVD	1714 feet to the N	Closed Status Spill (Misc. Spill Cause)
56	MANHOLE 15071	35TH AV / COLLEGE POINT B	1978 feet to the N	Active Haz Spill (Unknown/Other Cause)
65	MANHOLE 397	34TH AV & COLLEGEPOINT BL	2574 feet to the N	Active Haz Spill (Unknown/Other Cause)
66	ON THE STREET IN FRONT OF	132-19 34AV	2618 feet to the N	Active Haz Spill (Unknown/Other Cause)
9	UNKNOWN	32ND AVE. & HIGGINS AVE.	3150 feet to the N	Solid Waste Facility
3	FLUSHING RIVER COKING STATION	32ND AVE (NR FLUSHING RIVER)	3548 feet to the N	CERCLIS Site
6	CONED, FLUSHING RIVER COKING	32ND AVENUE	3700 feet to the N	Hazardous Substance Waste Disposal Site
18	CON EDISON FARRINGTON ST	FARRINGTON ST & 32ND AVE	3940 feet to the N	Hazardous Waste Treat, Storage, Disposal
13	COLLEGE PT INDUS PK		5167 feet to the N	Solid Waste Facility
133	37-01 COLLEGE PT AVE	37-01 COLLEGE PT AVE	750 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
82	PITTSFORD/METRO COL. PT.	COLLEGE PT / 37TH AVE	764 feet to the NNE	Closed Status Tank Failure
105	133-30 37TH AVE.	133030 37TH AVE.	796 feet to the NNE	Closed Status Spill (Unk/Other Cause)
160	LINZER PRODUCTS INC.	133-30 37TH AVENUE	796 feet to the NNE	Petroleum Bulk Storage Site
226	RAYEX CORP	133-30 37 AVE	798 feet to the NNE	Air Discharge Site
227	LENSCRAFT OPTICAL CO	133-30 37 AVE	798 feet to the NNE	Air Discharge Site
228	RAYEX CORP	133-30 37 AVE	798 feet to the NNE	Air Discharge Site
229	RAYEX CORP	133-30 37 AVE	798 feet to the NNE	Air Discharge Site
209	HUTTER AUTO BODY INCORPORATED	133-53 37TH AVENUE	904 feet to the NNE	Hazardous Waste Generator/Transporter
169	C.J. AUTO CENTER, INC.	133-53 37TH AVE.	911 feet to the NNE	Petroleum Bulk Storage Site
210	KENT ELECTRO-PLATING CORP	36-34 PRINCE ST	1144 feet to the NNE	Hazardous Waste Generator/Transporter
110	135-29 NORTHERN BLVD	E OF 135-25 NORTHERN BLVS	1759 feet to the NNE	Closed Status Spill (Unk/Other Cause)
146	36-18 MAIN STREET	135-29 NORTHERN BLVD	1775 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
55	134-25 35TH STREET	36-18 MAIN STREET	1788 feet to the NNE	Active Haz Spill (Unknown/Other Cause)
94	NYC DEPT. OF SANITATION	134-25 35TH AVENUE	2241 feet to the NNE	Closed Status Tank Test Failure
95	NYC DEPT. OF SANITATION	134-25 35TH AVENUE	2241 feet to the NNE	Closed Status Tank Test Failure
113	PARK NAMEPLATE CO. INC.	134-25 35TH AVENUE	2241 feet to the NNE	Closed Status Spill (Unk/Other Cause)
2	CON EDISON FARRINGTON	33-37 FARRINGTON STREET	3063 feet to the NNE	CERCLIS Site
11			3443 feet to the NNE	Solid Waste Facility
204	FORSTER BROTHERS INCORPORATED	39-15 PRINCE STREET	810 feet to the NE	Hazardous Waste Generator/Transporter
166	MONAHAN FORD SERVICE	37-20 PRINCE STREET	859 feet to the NE	Petroleum Bulk Storage Site
208	MONAHAN FORD CORPORATION	37-20 PRINCE STREET	864 feet to the NE	Hazardous Waste Generator/Transporter
171	FIREHOUSE COMMUN & 14 DIV D.O.	135-16 38TH AVENUE	932 feet to the NE	Petroleum Bulk Storage Site
174	135-27 38TH AVE	135-27 38TH AVENUE	1003 feet to the NE	Petroleum Bulk Storage Site
140		3914 MAIN ST	1249 feet to the NE	Closed Status Spill (Misc. Spill Cause)
215			1297 feet to the NE	Historic Utility Site
185	CHASE MANHATTAN BANK BR#111	39-15 MAIN STREET	1301 feet to the NE	Petroleum Bulk Storage Site
187	GERSON PROPERTIES	39-01 MAIN STREET	1302 feet to the NE	Petroleum Bulk Storage Site
88	39-15 MAIN STREET		1308 feet to the NE	Closed Status Tank Test Failure

143	39-01 MAIN STREET	1309 feet to the NE	Closed Status Spill (Misc. Spill Cause)
28	QUEENS COUNTY SAVINGS BAN	1361 feet to the NE	Active Tank Test Failure
107	38-01 MAIN STREET	1383 feet to the NE	Closed Status Spill (Unk/Other Cause)
114	38TH AVE	2390 feet to the NE	Closed Status Spill (Unk/Other Cause)
32	NYPD 109TH PRECINCT	2498 feet to the NE	Active Tank Test Failure
33	109TH POLICE PRECINCT	2498 feet to the NE	Active Tank Test Failure
64	BLACKTOP	2505 feet to the NE	Active Haz Spill (Unknown/Other Cause)
10	BEECHHURST SHORES	3287 feet to the NE	Solid Waste Facility
80	1 LIBRARY PLAZA	1270 feet to the ENE	Active Haz Spill (Misc. Spill Cause)
81	1 LIBRARY PLAZA -MAIN ST	1270 feet to the ENE	Active Haz Spill (Misc. Spill Cause)
141	40-23 MAIN ST	1283 feet to the ENE	Closed Status Spill (Misc. Spill Cause)
49	MAN HOLE 15679	1286 feet to the ENE	Active Haz Spill (Unknown/Other Cause)
142	MAIN STREET &	1286 feet to the ENE	Closed Status Spill (Misc. Spill Cause)
89	136-21 ROOSEVELT AVENUE	1325 feet to the ENE	Closed Status Tank Test Failure
19	136-68 ROOSEVELT AVE.	1404 feet to the ENE	Active Tank Failure
63	142-05 ROOSEVELT AVE	2380 feet to the ENE	Active Haz Spill (Unknown/Other Cause)
31	NHE REALTY	2422 feet to the ENE	Active Tank Test Failure
147	142-27 BARCLAY AVE	2527 feet to the ENE	Closed Status Spill (Misc. Spill Cause)
159	RIDGE APARTMENTS OWNERS CORP	739 feet to the E	Petroleum Bulk Storage Site
84	41-60 MAIN ST/GREENPOINT	1408 feet to the E	Closed Status Tank Failure
20	4165 MAIN ST/QUEENS/USPS	1481 feet to the E	Active Tank Failure
90	41-61 KISSENA BLVD/QUEENS	1723 feet to the E	Closed Status Tank Test Failure
134	RESI: HARSHI MGMT	817 feet to the ESE	Closed Status Spill (Misc. Spill Cause)
161	SANFORD FLUSHING ASSOCIATES	824 feet to the ESE	Petroleum Bulk Storage Site
165	SANFORD TERRACE APTS.	847 feet to the ESE	Petroleum Bulk Storage Site
167	MARK L BLECHER	867 feet to the ESE	Petroleum Bulk Storage Site
168	SUMMIT HOUSE APTS	873 feet to the ESE	Petroleum Bulk Storage Site
170	W & W REALTY, LLC	926 feet to the ESE	Petroleum Bulk Storage Site
135	133-01 SANFORD AVE/QUEENS	985 feet to the ESE	Closed Status Spill (Misc. Spill Cause)
173	SEAFORD RTLY CO	990 feet to the ESE	Petroleum Bulk Storage Site
175	APARTMENT HOUSE	1008 feet to the ESE	Petroleum Bulk Storage Site
176	SANDALE COOP APTS INC	1019 feet to the ESE	Petroleum Bulk Storage Site
177	SANFORD HOUSING TENANTS CORP	1026 feet to the ESE	Petroleum Bulk Storage Site
181	D B A PAN REAL ESTATE	1218 feet to the ESE	Petroleum Bulk Storage Site
186	ILAN APTS	1302 feet to the ESE	Petroleum Bulk Storage Site
54	VS 6739	1747 feet to the ESE	Active Haz Spill (Unknown/Other Cause)
85	138-10 FRANKLIN AVE	2282 feet to the ESE	Closed Status Tank Failure
23	CARLISLE TOWERS #3	2423 feet to the ESE	Active Tank Failure
96		2590 feet to the ESE	Closed Status Tank Test Failure
206	CORDOVA INC	831 feet to the SE	Hazardous Waste Generator/Transporter
207	CORDOVA, INC	831 feet to the SE	Hazardous Waste Generator/Transporter
162	SANFORD S/S 1897	837 feet to the SE	Petroleum Bulk Storage Site
163	JENIK MOTOR SERVICE, INC	837 feet to the SE	Petroleum Bulk Storage Site
164	JENIK MOTOR SERVICE	837 feet to the SE	Petroleum Bulk Storage Site
178	132-09 MAPLE AVENUE	1170 feet to the SE	Petroleum Bulk Storage Site
179	132-17 MAPLE AVENUE	1174 feet to the SE	Petroleum Bulk Storage Site
180	STONERIDGE APTS.	1178 feet to the SE	Petroleum Bulk Storage Site
182	132-24 MAPLE AVE	1223 feet to the SE	Petroleum Bulk Storage Site
39-01 MAIN STREET			
38-25 MAIN STREET			
38-01 MAIN STREET			
UNION ST.			
3705 UNION ST			
37-05 UNION STREET			
137-58 NORTHERN BLVD R/O			
139-81 35 AVENUE			
MAIN ST & KISSENA BLVD			
1 LIBRARY PLAZA-MAIN ST			
40-23 MAIN ST			
ROOSEVELT AV/MAIN ST			
ROOSEVELT AVENUE			
136-21 ROOSEVELT AVENUE			
136-68 ROOSEVELT AVE.			
142-05 ROOSEVELT AVE A330			
142-09 BARCLAY AVENUE			
142-27 BARCLAY AVE			
41-34 FRAME PLACE			
41-60 MAIN ST/GREENPOINT			
4165 MAIN STREET			
41-61 KISSENA BLVD			
132-35 SANFORD AV			
132-35 SANFORD AVE			
132-57 SANFORD AVE (132-48 41 RD)			
132-30 SANFORD AVE			
132-40 SANFORD AVENUE			
132-70 SANFORD AVE			
133-01 SANFORD AVE			
133-01 SANFORD AVE			
133-17 SANFORD AVE			
133-27 SANFORD AVE			
133-33 SANFORD AVE			
41-81 FRAME PLACE			
41-90 FRAME PLACE			
42-14 MAIN ST			
138-10 FRANKLIN AVE			
42-49 COLDEN ST			
136-04 CHERRY AV			
42-08 COLLEGE POINT BLVD			
42-08 COLLEGE POINT BLVD.			
42-05 COLLEGE PT. & SANFORD AV			
42-05 COLLEGE POINT BLVD			
42-05 COLLEGE POINT BLVD			
132-09 MAPLE AVENUE			
132-17 MAPLE AVENUE			
132-25/45 MAPLE AVE			
132-24 MAPLE AVE			

201	DOUGHERTY AUTO BODY INCORPORATED	131-41 SANTURN AVENUE	694 feet to the SSE	Hazardous Waste Generator/Transporter
202	SMALL CAR COLLISION INC	131-32 SANFORD AVENUE	706 feet to the SSE	Hazardous Waste Generator/Transporter
158	KEPCO, INC.	131-38 SANFORD AVENUE	724 feet to the SSE	Petroleum Bulk Storage Site
203	KEPCO INCORPORATED	131-38 SANFORD AVENUE	724 feet to the SSE	Hazardous Waste Generator/Transporter
213	HOME DEPOT THE 1214	131-35 AVERY AVE	1266 feet to the SSE	Hazardous Waste Generator/Transporter
211	NEW YORK STATE DEPT OF TRANSPORTATION	VAN WYCK EXPRESSWAY	1193 feet to the S	Hazardous Waste Generator/Transporter
230	TAYSTEE BAKING COMPANY	131-33 AVERY AVENUE	1249 feet to the S	Air Discharge Site
231	TASTEE BAKING COMPANY	131-33 AVERY AVENUE	1249 feet to the S	Air Discharge Site
232	AMERICAN BAKERIES COMPANY	131-33 AVERY AVENUE	1249 feet to the S	Air Discharge Site
27	131-33 AVERY AVE/QUEENS	131033 AVERY AVENUE	1254 feet to the S	Active Tank Test Failure
183	AMERICAN BAKERIES JCO	131-33 AVERY AVE	1260 feet to the S	Petroleum Bulk Storage Site
212	AMERICAN BAKERIES CORPORATION	131-33 AVERY AVENUE	1260 feet to the S	Hazardous Waste Generator/Transporter
205	CONSOLIDATED EDISON CO	V800 ROOSEVELT AVE 126 ST	811 feet to the WSW	Hazardous Waste Generator/Transporter
106	WILLETS PT BLVD/ROOSEVELT	WILLETS PT BLVD/ROOSEVELT	1374 feet to the WSW	Closed Status Spill (Unk/Other Cause)
108	PREVETE BROTHERS	125-15 ROOSEVELT AVE	1599 feet to the WSW	Closed Status Spill (Unk/Other Cause)
30	123-53 WILLET PT. RD	123053 WILLET PT. RD	1812 feet to the WSW	Active Tank Test Failure
59	123-30	ROOSEVELT AVE	2065 feet to the WSW	Active Haz Spill (Unknown/Other Cause)
61	CORONA YARD	2ND & 120TH STREET	2305 feet to the WSW	Active Haz Spill (Unknown/Other Cause)
45	MANHOLE 17277	WILLETS POINT BLVD+38TH	1173 feet to the W	Active Haz Spill (Unknown/Other Cause)
74	126-44 WILLETS PT. BLVD	126044 WILLETS PT. BLVD	1176 feet to the W	Active Haz Spill (Misc. Spill Cause)
138	126-44 WILLETS PT BLVD	126-44 WILLETS PT BLVD	1176 feet to the W	Closed Status Spill (Misc. Spill Cause)
46	CASEY STENGAL DEPOT	126-53 WILLETS POINT BLVD	1214 feet to the W	Active Haz Spill (Unknown/Other Cause)
75	CASY STANGO BUS DEPOT	126-53 WILLETS POINT BLVD	1214 feet to the W	Active Haz Spill (Misc. Spill Cause)
76	CASEY STANGLE BUS DEPOT	126-53 WILLITTS POINT BLV	1214 feet to the W	Active Haz Spill (Misc. Spill Cause)
77	FLUSHING BUS DEPOT	126 - 53 WILLETS POINT RD	1214 feet to the W	Active Haz Spill (Misc. Spill Cause)
78	126-53 WILLETS POINT BLVD	126-53 WILLETS POINT BLVD	1214 feet to the W	Active Haz Spill (Misc. Spill Cause)
79	NYC TRANSIT AUTHORITY	127-92 WILLETS PT BLVD	1214 feet to the W	Active Haz Spill (Misc. Spill Cause)
83			1215 feet to the W	Closed Status Tank Failure
47	F.F. AUTO SALVAGE	126034 WILLETS POINT BLVD	1217 feet to the W	Active Haz Spill (Unknown/Other Cause)
48	EXXON CORPORATION	126-33 WILLETS POINT BL	1252 feet to the W	Active Haz Spill (Unknown/Other Cause)
214	MUSICK S/S INC #5487	126-25 WILLET POINT	1274 feet to the W	Hazardous Waste Generator/Transporter
184		126-25 WILLETS POINT BLVD	1275 feet to the W	Petroleum Bulk Storage Site
87	ASCOR SCRAP METAL INC.	127-08 WILLETS PT BLVD	1117 feet to the WNW	Closed Status Tank Test Failure
136	126-88 WILLETS PT BLVD	126-88 WILLETS PT BLVD	1119 feet to the WNW	Closed Status Spill (Misc. Spill Cause)
137	127-18 WILLETS PT BLVD	127-18 WILLETS PT BLVD	1131 feet to the WNW	Closed Status Spill (Misc. Spill Cause)
139	127-27 WILLETS PT BLVD	127-27 WILLETS PT BLVD	1199 feet to the WNW	Closed Status Spill (Misc. Spill Cause)
8	CROWN CONTAINER CO.	126-46 34TH AVE	2020 feet to the WNW	Solid Waste Facility
91	126-46 34TH AVENUE	126-46 34TH AVENUE	2024 feet to the WNW	Closed Status Tank Test Failure
92	CROWN WASTE	126-46 34 AV	2024 feet to the WNW	Closed Status Tank Test Failure
93	126-46 34TH AVE/FLUSHING	126-46 34TH AVE	2024 feet to the WNW	Closed Status Tank Test Failure
112	126-12 34TH AVE	126-12 34TH AVE	2223 feet to the WNW	Closed Status Spill (Unk/Other Cause)
115	GOODLUCK AUTO PARTS	126-32 NORTHERN BLVD	2574 feet to the WNW	Closed Status Spill (Unk/Other Cause)
21	DEPT. OF SANITATION	127045 34TH AVENUE	1729 feet to the NW	Active Tank Failure
29	127-45 34TH AVE	127-45 34TH AVE	1729 feet to the NW	Active Tank Test Failure
52	NYC DEPT OF PARKS QN 11C	127-45 34 AVE	1729 feet to the NW	Active Haz Spill (Unknown/Other Cause)
53	DOS GARAGE - QUEENS N 11	127-45 34TH AV	1729 feet to the NW	Active Haz Spill (Unknown/Other Cause)
111	33-40 127TH PLACE	33-40 127TH PLACE	1989 feet to the NW	Closed Status Spill (Unk/Other Cause)
58	SERVICE BOX 42508	33-30 127 PLACE	2030 feet to the NW	Active Haz Spill (Unknown/Other Cause)

60	SERVICE BOX 42508	3315 127TH PL	2074 feet to the NW	Active Haz Spill (Unknown/Other Cause)
62	127TH PLACE AT	NORTHERN BLVD	2350 feet to the NW	Active Haz Spill (Unknown/Other Cause)
4	COLLEGE POINT OIL LAGOON	123RD STREET AND 31ST AVENUE	4433 feet to the NW	CERCLIS/NYSDEC Inactive Haz Waste Site
22	SHEA GARAGE	127-48 NORTHERN BLVD	1741 feet to the NNW	Active Tank Failure
145	SHEA TRUCK AND AUTO	127-48 NORTHERN BLVD	1741 feet to the NNW	Closed Status Spill (Misc. Spill Cause)
57	40' W OF WILLETS BLVD &	100' N OF NORTHERN BLVD	2024 feet to the NNW	Active Haz Spill (Unknown/Other Cause)
16	LEFFERTS OIL TERMINAL, INC.	31-70 COLLEGE POINT BOULEVARD	3593 feet to the NNW	Major Oil Storage Facility
17	LEFFERTS OIL TERMINAL, INC.	31-70 COLLEGE POINT BOULEVARD	3862 feet to the NNW	Major Oil Storage Facility
12	BEECHWHITE REALTY DEMO SL	31-40 123RD ST	4586 feet to the NNW	Solid Waste Facility
5	COLLEGE POINT OIL LAGOON	123RD STREET AND 31ST AVENUE	5005 feet to the NNW	CERCLIS/NYSDEC Inactive Haz Waste Site
14	NYCDOS HOUSEHOLD DUMPING	31 AVENUE & 122 STREET	5220 feet to the NNW	Solid Waste Facility

Identified Toxic Sites by Proximity

Muss Development Site, Queens, NY 11354

* 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
7	CON EDISON COMPANY OF NY		0 feet	Solid Waste Facility
97	INTERSECTION ROOSEVELT	AND JANET PLACE	0 feet	Closed Status Spill (Unk/Other Cause)
98	131-60 40TH ROAD/QUEENS	131-60 40TH ROAD	0 feet	Closed Status Spill (Unk/Other Cause)
99	BROKEN FORCE MAIN	40 ROAD NR COLLEGE PT BLVD	0 feet	Closed Status Spill (Unk/Other Cause)
116	40TH RD. & COLLEGE POINT	40TH RD. & COLLEGE PT.	0 feet	Closed Status Spill (Misc. Spill Cause)
148	COLLEGE POINT SERVICE CENTER	40-22 COLLEGE POINT BLVD.	0 feet	Petroleum Bulk Storage Site
149	COMMODITIES ASSISTANCE CORP	131-02 40TH ROAD	0 feet	Petroleum Bulk Storage Site
150	PRIDE LAUNDRY INC	131-66 40TH RD	0 feet	Petroleum Bulk Storage Site
188	CONSOLIDATED EDISON COMPANY OF NEW YORK	40-22 COLLEGE POINT BOULEVARD	23 feet to the ENE*	Hazardous Waste Generator/Transporter
151	BLAND	40-21 COLLEGE POINT BLVD	29 feet to the NE*	Petroleum Bulk Storage Site
24	BLAND HOUSES	40005 COLLEGE POINT BLVD.	29 feet to the NE*	Active Tank Test Failure
86	BLAND	40-05 COLLEGE PT BLVD	29 feet to the NE*	Closed Status Tank Test Failure
117	BLAND HOUSES	40-05 COLLEGE POINT BLVD	29 feet to the NE*	Closed Status Spill (Misc. Spill Cause)
118	BLAND HOUSES	40-05 COLLEGE POINT BLVD	29 feet to the NE*	Closed Status Spill (Misc. Spill Cause)
119	BLAND	40-05 COLLEGE POINT BLVD	29 feet to the NE*	Closed Status Spill (Misc. Spill Cause)
25	40-21 COLLEGE POINT BLVD	40-21 COLLEGE POINT BLVD	30 feet to the ENE*	Active Tank Test Failure
120	BLAND HOUSES	40-21 COLLEGE PT BLVD	30 feet to the ENE*	Closed Status Spill (Misc. Spill Cause)
121	BLAND	40-21 COLLEGE PT BLVD	30 feet to the ENE*	Closed Status Spill (Misc. Spill Cause)
217	NO SOURCE NAME	132-01 ROOSEVELT AVE	36 feet to the NNE*	Air Discharge Site
152	MOBIL S/S #17-GC4	133-11 ROOSEVELT AVE	44 feet to the NE*	Petroleum Bulk Storage Site
189	MOBIL OIL CORP SS GC4	133-11 ROOSEVELT AVE	44 feet to the NE*	Hazardous Waste Generator/Transporter
67	133-11 ROOSEVELT AVE.	133011 ROOSEVELT AVE.	47 feet to the NE*	Active Haz Spill (Misc. Spill Cause)
100	133-11 ROOSEVELT AV/MOBIL	133-11 ROOSEVELT AVENUE	47 feet to the NE*	Closed Status Spill (Unk/Other Cause)
190	FRENCH VALET DRY CLNRS & HAND LAUNDRY	131-66 40TH RD	73 feet to the SSE*	Hazardous Waste Generator/Transporter
191	NEW YORK CITY TRANSIT AUTHORITY	133-15 ROOSEVELT AVE	75 feet to the NE*	Hazardous Waste Generator/Transporter
192	NYC HOUSING AUTHORITY	133-30 ROOSEVELT AVE	115 feet to the NE*	Hazardous Waste Generator/Transporter
153	FLUSHING TRUCK REPAIR CO INC	39-08 JANET PLACE	152 feet to the N*	Petroleum Bulk Storage Site
193	R & B TRANSMISSIONS INC	40-55 COLLEGE POINT BLVD	152 feet to the E*	Hazardous Waste Generator/Transporter
34	MANHOLE 2856	3908 JANET PLACE	154 feet to the N*	Petroleum Bulk Storage Site
35	39-08 JANET PLACE	39-08 JANET PLACE	154 feet to the N*	Active Haz Spill (Unk/Other Cause)
68	COLLEGE PT BLVD, R'SVELT	39-08 JANET PL	156 feet to the N*	Active Haz Spill (Misc. Spill Cause)
218	CLARET ENVIRONMENTAL	39-08 JANET PLACE	156 feet to the N*	Air Discharge Site
219	SPECTRUM MAINTENANCE CORP	39-08 JANET PL	156 feet to the N*	Air Discharge Site
220	CLARET ENVIRONMENTAL	39-08 JANET PLACE	156 feet to the N*	Air Discharge Site
221	SPECTRUM MAINTENANCE CORP	39-08 JANET PLACE	156 feet to the N*	Air Discharge Site
1	SPECTRUM MAINTENANCE CORP	39-08 JANET PLACE	166 feet to the N*	CERCLIS Site
194	AAMCO TRANSMISSION	13345 ROOSEVELT AVENUE	198 feet to the NE*	Hazardous Waste Generator/Transporter
101	VAN WYCK EXPWY & ROOSEVELT	VAN WYCK EXPWY & ROOSEVELT	218 feet to the W	Closed Status Spill (Unk/Other Cause)
222	LEVIN FIXTURE CORP	40-70 DELONG ST	225 feet to the SSE	Air Discharge Site
223	LEVIN FIXTURE CORP	40-70 DELONG ST	225 feet to the SSE	Air Discharge Site
195	TEXACO INCORPORATED	3915 COLLEGE POINT ROAD	235 feet to the NE	Hazardous Waste Generator/Transporter
69	AMOCO SERVICE STATION	39-14 COLLEGE POINT BLVD	244 feet to the NNE	Active Haz Spill (Misc. Spill Cause)
154	AMOCO SERVICE STATION #2016	39-14 COLLEGE POINT BOULEVARD	245 feet to the NNE	Petroleum Bulk Storage Site
70	REGULATOR 57	41ST AV/LAWRENCE ST	260 feet to the ESE	Active Haz Spill (Misc. Spill Cause)
122	TALLMAN ISLAND REG #57	40 1ST AVE & LAWRENCE ST	260 feet to the ESE	Closed Status Spill (Misc. Spill Cause)

123	TALLMANS ISLAND REG #57	41ST AVE & LAWRENCE ST	260 feet to the ESE	Closed Status Spill (Misc. Spill Cause)
124	TALLMANS ISLAND REG #57	41ST AV & COLLEGE PT BLVD	261 feet to the ESE	Active Haz Spill (Unknown/Other Cause)
76	REGULATOR 57	41ST AVE/LAWRENCE ST	261 feet to the ESE	Active Haz Spill (Misc. Spill Cause)
121	VEH MAINTENANCE SHOP	41ST AVE/COLLEGE POINT BL	261 feet to the ESE	Closed Status Spill (Misc. Spill Cause)
125	TULLMAN ISLAND REGULATORY	41 AVE AND COLLEGE PT. BL	261 feet to the ESE	Closed Status Spill (Misc. Spill Cause)
126	41ST AVE. & LAWRENCE ST./	41ST AVE. & LAWRENCE ST.	261 feet to the ESE	Closed Status Spill (Misc. Spill Cause)
127	41ST AVENUE; COLLEGE POIN	41ST AVE; COLLEGE PT. BLD	261 feet to the ESE	Closed Status Spill (Misc. Spill Cause)
128	41ST AVENUE AND LAWRENCE	41ST AVE. & LAWRENCE ST.	261 feet to the ESE	Closed Status Spill (Misc. Spill Cause)
196	SUNOCO SERVICE STATION	41-02 LAWRENCE ST	269 feet to the ESE	Hazardous Waste Generator/Transporter
102	134-04 39TH AVE	133-04 39TH AVE	271 feet to the NNE	Closed Status Spill (Unk/Other Cause)
155	DELONG REALTY	41-06 DELONG STREET	281 feet to the SSE	Petroleum Bulk Storage Site
26	41-06 DELONG ST/QUEENS	41006 DELONG ST	283 feet to the SSE	Active Tank Test Failure
37	41-06 DELONG ST/QUEENS	41006 DELONG STREET	283 feet to the SSE	Active Haz Spill (Unknown/Other Cause)
38	3702	COLLAGE POINT BLVD	283 feet to the SSE	Active Haz Spill (Unknown/Other Cause)
39	41-06 DELONG STREET	41006 DELONG ST.	283 feet to the SSE	Active Haz Spill (Misc. Spill Cause)
72	41-06 DELONG ST.	41006 DELONG ST.	283 feet to the SSE	Active Haz Spill (Misc. Spill Cause)
103	39TH ST + COLLEGE PT BLVD	39TH ST + COLLEGE PT BLVD	291 feet to the NNE	Closed Status Spill (Unk/Other Cause)
129	39TH AVE/COLLEGE POINT BL	39TH AVE/COLLEGE POINT BL	291 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
40	PARKING LOT	4103 COLLEGE POINT BLVD	295 feet to the ESE	Active Haz Spill (Unknown/Other Cause)
197	PATIENT TECHNOLOGY INC	133-14 39TH AVE	300 feet to the NE	Hazardous Waste Generator/Transporter
198	H B CHEVROLET INC	133-31 39TH AVE	363 feet to the NNE	Hazardous Waste Generator/Transporter
156	GRAPHIK DIMENSIONS, LTD	41-23 HAIGHT STREET	414 feet to the SE	Petroleum Bulk Storage Site
199	NORTH SHORE OLDS	37-52 COLLEGE POINT BOULEVARD	465 feet to the NNE	Hazardous Waste Generator/Transporter
130	37-52 COLLEGE POINT BLVD	37-52 COLLEGE POINT BLVD	474 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
157	TRIANGLE REALTY LLC	37-33 COLLEGE POINT BLVD	600 feet to the NNE	Petroleum Bulk Storage Site
41	MANHOLE 10249	SANFORD AVE/DELONG ST	610 feet to the SSE	Active Haz Spill (Unknown/Other Cause)
216	ATLANTIC FUELS-FLUSHING TERM.	3702 LAWRENCE ST	627 feet to the NNE	Wastewater Discharge Facility
42	VACANT LOT	37-02 COLLEGE POINT BLVD	628 feet to the NNE	Active Haz Spill (Unknown/Other Cause)
43	37-02 COLLEGE POINT BLVD	37-02 COLLEGE POINT BLVD	628 feet to the NNE	Active Haz Spill (Unknown/Other Cause)
104	ATLANTIC FUEL/COLLEGE PT	37-02 COLLEGE POINT BLVD	628 feet to the NNE	Closed Status Spill (Unk/Other Cause)
131	37-02 COLLEGE PT BL /QUNS	37-02 COLLEGE PT BLVD	628 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
132	ATLANTIC FUELS MARKETING CORP	37-02 COLLEGE PT. BLVD	628 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
200	FLUSHING MILLS	37-02 COLLEGE POINT BLVD	628 feet to the NNE	Hazardous Waste Generator/Transporter
224	FLUSHING MILLS	131-29 SANFORD AVENUE	644 feet to the SSE	Air Discharge Site
225	FLUSHING MILLS	131-29 SANFORD ST	644 feet to the SSE	Air Discharge Site
15	FLUSHING TERMINAL	37-02 COLLEGE POINT BOULEVARD	665 feet to the N	Major Oil Storage Facility
201	DOUGHERTY AUTO BODY INCORPORATED	131-41 SANTURN AVENUE	694 feet to the SSE	Hazardous Waste Generator/Transporter
202	SMALL CAR COLLISION INC	131-32 SANFORD AVENUE	706 feet to the SSE	Hazardous Waste Generator/Transporter
158	KEPCO, INC.	131-38 SANFORD AVENUE	724 feet to the SSE	Petroleum Bulk Storage Site
203	KEPCO INCORPORATED	131-38 SANFORD AVENUE	724 feet to the SSE	Hazardous Waste Generator/Transporter
159	RIDGE APARTMENTS OWNERS CORP	41-34 FRAME PLACE	739 feet to the E	Petroleum Bulk Storage Site
133	37-01 COLLEGE PT AVE	37-01 COLLEGE PT AVE	750 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
82	PITTSTON/METRO COL. PT.	COLLEGE PT / 37TH AVE	764 feet to the NNE	Closed Status Tank Failure
105	133-30 37TH AVE.	133030 37TH AVE.	796 feet to the NNE	Closed Status Spill (Unk/Other Cause)
160	LINZER PRODUCTS INC.	133-30 37TH AVENUE	796 feet to the NNE	Petroleum Bulk Storage Site
226	RAYEX CORP	133-30 37 AVE	798 feet to the NNE	Air Discharge Site
227	LENSCRAFT OPTICAL CO	133-30 37 AVE	798 feet to the NNE	Air Discharge Site
228	RAYEX CORP	133-30 37 AVE	798 feet to the NNE	Air Discharge Site
229	RAYEX CORP	133-30 37 AVE	798 feet to the NNE	Air Discharge Site
204	FORSTER BROTHERS INCORPORATED	39-15 PRINCE STREET	810 feet to the NE	Hazardous Waste Generator/Transporter
205	CONSOLIDATED EDISON CO	V800 ROOSEVELT AVE 126 ST	811 feet to the WSW	Hazardous Waste Generator/Transporter
134	RESI: HARSHI MGMT	132-35 SANFORD AV	817 feet to the ESE	Closed Status Spill (Misc. Spill Cause)
161	SANFORD FLUSHING ASSOCIATES	132-35 SANFORD AVE	824 feet to the ESE	Petroleum Bulk Storage Site

206	CORDOVA INC	42-08 COLLEGE POINT BLVD	831 feet to the SE	Hazardous Waste Generator/Transporter
207	CORDOVA, INC	42-08 COLLEGE POINT BLVD.	831 feet to the SE	Hazardous Waste Generator/Transporter
162	SANFORD S/S 1897	42-05 COLLEGE PT. & SANFORD AV	837 feet to the SE	Petroleum Bulk Storage Site
163	JENIK MOTOR SERVICE, INC	42-05 COLLEGE POINT BLVD	837 feet to the SE	Petroleum Bulk Storage Site
164	JENIK MOTOR SERVICE	42-05 COLLEGE POINT BLVD	837 feet to the SE	Petroleum Bulk Storage Site
165	SANFORD TERRACE APTS.	132-57 SANFORD AVE (132-48 41 RD)	847 feet to the ESE	Petroleum Bulk Storage Site
166	MONAHAN FORD SERVICE	37-20 PRINCE STREET	859 feet to the NE	Petroleum Bulk Storage Site
208	MONAHAN FORD CORPORATION	37-20 PRINCE STREET	864 feet to the NE	Hazardous Waste Generator/Transporter
167	MARK L BLECHER	132-30 SANFORD AVE	867 feet to the ESE	Petroleum Bulk Storage Site
168	SUMMIT HOUSE APTS	132-40 SANFORD AVENUE	873 feet to the ESE	Petroleum Bulk Storage Site
209	HUTTER AUTO BODY INCORPORATED	133-53 37TH AVENUE	904 feet to the NNE	Hazardous Waste Generator/Transporter
169	C.J. AUTO CENTER, INC.	133-53 37TH AVENUE	911 feet to the NNE	Petroleum Bulk Storage Site
170	W & W REALTY, LLC	132-70 SANFORD AVE	926 feet to the ESE	Petroleum Bulk Storage Site
171	FIREHOUSE COMMUN & 14 DIV D.O.	135-16 38TH AVENUE	932 feet to the NE	Petroleum Bulk Storage Site
172	U-HAUL COMPANY OF METRO NEW YORK	36-30 COLLEGE POINT BOULEVARD	971 feet to the N	Petroleum Bulk Storage Site
73	3630 COLLEGE PT. BLVD	3630 COLLEGE PT. BLVD	978 feet to the N	Active Haz Spill (Misc. Spill Cause)
135	133-01 SANFORD AVE/QUEENS	133-01 SANFORD AVE	985 feet to the ESE	Closed Status Spill (Misc. Spill Cause)
173	SEAFORD RTLY CO	133-01 SANFORD AVE	990 feet to the ESE	Petroleum Bulk Storage Site
174	135-27 38TH AVE	135-27 38TH AVENUE	1003 feet to the NE	Petroleum Bulk Storage Site
175	APARTMENT HOUSE	133-17 SANFORD AVE	1008 feet to the ESE	Petroleum Bulk Storage Site
176	SANDALE COOP APTS INC	133-27 SANFORD AVE	1019 feet to the ESE	Petroleum Bulk Storage Site
177	SANFORD HOUSING TENANTS CORP	133-33 SANFORD AVE	1026 feet to the ESE	Petroleum Bulk Storage Site
87	ASCOR SCRAP METAL INC.	127-08 WILLETS PT BLVD	1117 feet to the WNW	Petroleum Bulk Storage Tank Test Failure
136	126-88 WILLETS PT BLVD	126-88 WILLETS PT BLVD	1119 feet to the WNW	Closed Status Spill (Misc. Spill Cause)
44	EXCAVATION	36ND AVE AT COLLEGE POINT	1129 feet to the N	Active Haz Spill (Unknown/Other Cause)
137	127-18 WILLETS PT BLVD	127-18 WILLETS PT BLVD	1131 feet to the WNW	Closed Status Spill (Misc. Spill Cause)
210	KENT ELECTRO-PLATING CORP	36-34 PRINCE ST	1144 feet to the NNE	Hazardous Waste Generator/Transporter
178	132-09 MAPLE AVENUE	132-09 MAPLE AVENUE	1170 feet to the SE	Petroleum Bulk Storage Site
45	MANHOLE 17277	WILLETS POINT BLVD+38TH	1173 feet to the W	Active Haz Spill (Unknown/Other Cause)
179	132-17 MAPLE AVENUE	132-17 MAPLE AVENUE	1174 feet to the SE	Petroleum Bulk Storage Site
74	126-44 WILLETS PT. BLVD	126044 WILLETS PT. BLVD	1176 feet to the W	Active Haz Spill (Misc. Spill Cause)
138	126-44 WILLETS PT BLVD	126-44 WILLETS PT BLVD	1176 feet to the W	Closed Status Spill (Misc. Spill Cause)
180	STONERIDGE APTS.	132-25/45 MAPLE AVE	1178 feet to the SE	Petroleum Bulk Storage Site
211	NEW YORK STATE DEPT OF TRANSPORTATION	VAN WYCK EXPRESSWAY	1193 feet to the S	Hazardous Waste Generator/Transporter
139	127-27 WILLETS PT BLVD	127-27 WILLETS PT BLVD	1199 feet to the WNW	Closed Status Spill (Misc. Spill Cause)
46	CASEY STENGAL DEPOT	126-53 WILLETS POINT BLVD	1214 feet to the W	Active Haz Spill (Unknown/Other Cause)
75	CASY STANGO BUS DEPOT	126-53 WILLETS POINT BLVD	1214 feet to the W	Active Haz Spill (Misc. Spill Cause)
76	CASEY STANGLE BUS DEPOT	126-53 WILLITTS POINT BLV	1214 feet to the W	Active Haz Spill (Misc. Spill Cause)
77	FLUSHING BUS DEPOT	126 - 53 WILLETS POINT RD	1214 feet to the W	Active Haz Spill (Misc. Spill Cause)
78	126-53 WILLETS POINT BLVD	126-53 WILLETS POINT BLVD	1214 feet to the W	Active Haz Spill (Misc. Spill Cause)
79	NYC TRANSIT AUTHORITY	127-92 WILLETS PT BLVD	1215 feet to the W	Closed Status Tank Failure
83	F. F. AUTO SALVAGE	126034 WILLETS POINT BLVD	1217 feet to the W	Active Haz Spill (Unknown/Other Cause)
181	D B A PAN REAL ESTATE	41-81 FRAME PLACE	1218 feet to the ESE	Petroleum Bulk Storage Site
182	132-24 MAPLE AVE	132-24 MAPLE AVE	1223 feet to the SE	Petroleum Bulk Storage Site
140		3914 MAIN ST	1249 feet to the NE	Closed Status Spill (Misc. Spill Cause)
230	TAYSTEE BAKING COMPANY	131-33 AVERY AVENUE	1249 feet to the S	Air Discharge Site
231	TASTEE BAKING COMPANY	131-33 AVERY AVENUE	1249 feet to the S	Air Discharge Site
232	AMERICAN BAKERIES COMPANY	131-33 AVERY AVENUE	1249 feet to the S	Air Discharge Site
48		126-33 WILLETS POINT BL	1252 feet to the W	Active Haz Spill (Unknown/Other Cause)
27	131-33 AVERY AVE/QUEENS	131033 AVERY AVENUE	1254 feet to the S	Active Tank Test Failure
183	AMERICAN BAKERIES JCO	131-33 AVERY AVE	1260 feet to the S	Petroleum Bulk Storage Site
212	AMERICAN BAKERIES CORPORATION	131-33 AVERY AVENUE	1260 feet to the S	Hazardous Waste Generator/Transporter

213	HOME DEPOT THE 1214	131-35 AVERY AVE	1266 feet to the SSE	Hazardous Waste Generator/Transporter
80	1 LIBRARY PLAZA	MAIN ST & KISSENA BLVD	1270 feet to the ENE	Active Haz Spill (Misc. Spill Cause)
81	1 LIBRARY PLAZA -MAIN ST	1 LIBRARY PLAZA-MAIN ST	1270 feet to the ENE	Active Haz Spill (Misc. Spill Cause)
214	EXXON CORPORATION	126-25 WILLET POINT	1274 feet to the W	Hazardous Waste Generator/Transporter
184	MUSICK S/S INC #5487	126-25 WILLETS POINT BLVD	1275 feet to the W	Petroleum Bulk Storage Site
141	40-23 MAIN ST	40-23 MAIN ST	1283 feet to the ENE	Closed Status Spill (Misc. Spill Cause)
49	MAN HOLE 15679	ROOSEVELT AV/MAIN ST	1286 feet to the ENE	Active Haz Spill (Unknown/Other Cause)
142	MAIN STREET &	ROOSEVELT AVENUE	1286 feet to the ENE	Closed Status Spill (Misc. Spill Cause)
215			1287 feet to the NE	Historic Utility Site
185	CHASE MANHATTAN BANK BR#111	39-15 MAIN STREET	1301 feet to the NE	Petroleum Bulk Storage Site
186	ILAN APTS	41-90 FRAME PLACE	1302 feet to the ESE	Petroleum Bulk Storage Site
187	GERSON PROPERTIES	39-01 MAIN STREET	1302 feet to the NE	Petroleum Bulk Storage Site
88	39-15 MAIN STREET	39-15 MAIN ST	1308 feet to the NE	Closed Status Tank Test Failure
143	39-01 MAIN STREET	39-01 MAIN STREET	1309 feet to the NE	Closed Status Spill (Misc. Spill Cause)
89	136-21 ROOSEVELT AVENUE	136-21 ROOSEVELT AVENUE	1325 feet to the ENE	Closed Status Tank Test Failure
28	QUEENS COUNTY SAVINGS BAN	38-25 MAIN STREET	1361 feet to the NE	Active Tank Test Failure
106	WILLETS PT BLVD/ROOSEVELT	WILLETS PT BLVD/ROOSEVELT	1374 feet to the WSW	Closed Status Spill (Unk/Other Cause)
107	38-01 MAIN STREET	38-01 MAIN STREET	1383 feet to the NE	Closed Status Spill (Unk/Other Cause)
19	136-68 ROOSEVELT AVE.	136-68 ROOSEVELT AVE.	1404 feet to the ENE	Active Tank Failure
84	41-60 MAIN ST/GREENPOINT	41-60 MAIN ST/GREENPOINT	1408 feet to the E	Closed Status Tank Failure
20	4165 MAIN ST/QUEENS/USPS	4165 MAIN STREET	1481 feet to the E	Active Tank Failure
108	PREVETE BROTHERS	125-15 ROOSEVELT AVE	1599 feet to the WSW	Closed Status Spill (Unk/Other Cause)
50	FLUSHING BAY	COLLEGE PT & NORTHERN BLV	1620 feet to the N	Active Haz Spill (Unknown/Other Cause)
51	SERVICE BOX 37566	NORTHERN BL & COLLEGE PT	1620 feet to the N	Active Haz Spill (Unknown/Other Cause)
109	COLLEGE POINT BLVD/NORTHE	COLLEGE PT./NORTHERN BLVD	1620 feet to the N	Closed Status Spill (Unk/Other Cause)
144	134-23 NORTHERN BLVD / PA	134-23 NORTHERN BLVD	1714 feet to the N	Closed Status Spill (Misc. Spill Cause)
90	41-61 KISSENA BLVD/QUEENS	41-61 KISSENA BLVD	1723 feet to the E	Closed Status Tank Test Failure
21	DEPT. OF SANITATION	127045 34TH AVENUE	1729 feet to the NW	Active Tank Failure
29	127-45 34TH AVE	127-45 34TH AVE	1729 feet to the NW	Active Tank Test Failure
52	NYC DEPT OF PARKS QN 11C	127-45 34 AVE	1729 feet to the NW	Active Haz Spill (Unknown/Other Cause)
53	DOS GARAGE - QUEENS N 11	127-45 34TH AV	1729 feet to the NW	Active Haz Spill (Unknown/Other Cause)
22	SHEA GARAGE	127-48 NORTHERN BLVD	1741 feet to the NNW	Active Tank Failure
145	SHEA TRUCK AND AUTO	127-48 NORTHERN BLVD	1741 feet to the NNW	Closed Status Spill (Misc. Spill Cause)
54	VS 6739	42-14 MAIN ST	1747 feet to the ESE	Active Haz Spill (Unknown/Other Cause)
110		E OF 135-25 NORTHERN BLVS	1759 feet to the NNE	Closed Status Spill (Unk/Other Cause)
146		135-29 NORTHERN BLVD	1775 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
55	36-18 MAIN STREET	36-18 MAIN STREET	1788 feet to the NNE	Active Haz Spill (Unknown/Other Cause)
30	123-53 WILLET PT. RD	123053 WILLET PT. RD	1812 feet to the WSW	Active Tank Test Failure
56	MANHOLE 15071	35TH AV / COLLEGE POINT B	1978 feet to the N	Active Haz Spill (Unknown/Other Cause)
111		33-40 127TH PLACE	1989 feet to the NW	Closed Status Spill (Unk/Other Cause)
8	CROWN CONTAINER CO.	126-46 34TH AVE	2020 feet to the WNW	Solid Waste Facility
57	40' W OF WILLETS BLVD &	100' N OF NORTHERN BLVD	2024 feet to the NNW	Active Haz Spill (Unknown/Other Cause)
91	126-46 34TH AVENUE	126-46 34TH AVE	2024 feet to the WNW	Closed Status Tank Test Failure
92	CROWN WASTE	126-46 34 AV	2024 feet to the WNW	Closed Status Tank Test Failure
93	126-46 34TH AVE/FLUSHING	126-46 34TH AVE	2024 feet to the WNW	Closed Status Tank Test Failure
58	SERVICE BOX 42508	33-30 127 PLACE	2030 feet to the NW	Active Haz Spill (Unknown/Other Cause)
59	123-30	ROOSEVELT AVE	2065 feet to the WSW	Active Haz Spill (Unknown/Other Cause)
60	SERVICE BOX 42508	3315 127TH PL	2074 feet to the NW	Active Haz Spill (Unknown/Other Cause)
112	126-12 34TH AVE	126-12 34TH AVE	2223 feet to the WNW	Closed Status Spill (Unk/Other Cause)
94	134-25 35TH STREET	134-25 35TH STREET	2241 feet to the NNE	Closed Status Tank Test Failure
95	NYC DEPT. OF SANITATION	134-25 35TH AVENUE	2241 feet to the NNE	Closed Status Tank Test Failure
113	NYC DEPT. OF SANITATION	134-25 35TH AVENUE	2241 feet to the NNE	Closed Status Spill (Unk/Other Cause)
85	138-10 FRANKLIN AVE	138-10 FRANKLIN AVE	2282 feet to the ESE	Closed Status Tank Failure

61	CORONA YARD	2ND & 120TH STREET	2305 feet to the WSW	Active Haz Spill (Unknown/Other Cause)
62	127TH PLACE AT	NORTHERN BLVD	2350 feet to the NW	Active Haz Spill (Unknown/Other Cause)
63	142-05 ROSEVELT AVE	142-05 ROSEVELT AVE A390	2380 feet to the ENE	Active Haz Spill (Unknown/Other Cause)
114	38TH AVE	UNION ST.	2380 feet to the NE	Closed Status Spill (Unk/Other Cause)
31	NHE REALTY	142-08 BARCLAY AVENUE	2422 feet to the ENE	Active Tank Test Failure
23	CARLISLE TOWERS #3	42-49 COLDEN ST	2422 feet to the ESE	Active Tank Test Failure
32	NYPD 109TH PRECINCT	3705 UNION ST	2498 feet to the NE	Active Tank Test Failure
33	109TH POLICE PRECINCT	3705 UNION STREET	2498 feet to the NE	Active Tank Test Failure
64	BLACKTOP	137-58 NORTHERN BLVD R/O	2505 feet to the NE	Active Haz Spill (Unknown/Other Cause)
147	142-27 BARCLAY AVE	142-27 BARCLAY AVE	2527 feet to the ENE	Closed Status Spill (Misc. Spill Cause)
65	MANHOLE 387	34TH AV & COLLEGEPOINT BL	2574 feet to the N	Active Haz Spill (Unknown/Other Cause)
115	GOODLUCK AUTO PARTS	126-32 NORTHERN BLVD	2574 feet to the WNW	Active Haz Spill (Unk/Other Cause)
96		136-04 CHERRY AV	2590 feet to the ESE	Closed Status Tank Test Failure
66	ON THE STREET IN FRONT OF	132-19 34AV	2618 feet to the N	Active Haz Spill (Unknown/Other Cause)
2	PARK NAMEPLATE CO. INC.	33-37 FARRINGTON STREET	3063 feet to the NNE	CERCLIS Site
9	UNKNOWN	32ND AVE. & HIGGINS AVE.	3150 feet to the N	Solid Waste Facility
10	BEECHURST SHORES	139-81 35 AVENUE	3287 feet to the NE	Solid Waste Facility
11	CON EDISON FARRINGTON		3443 feet to the NNE	Solid Waste Facility
3	FLUSHING RIVER COKING STATION	32ND AVE (NR FLUSHING RIVER)	3548 feet to the N	CERCLIS Site
16	LEFFERTS OIL TERMINAL, INC.	31-70 COLLEGE POINT BOULEVARD	3593 feet to the NNW	Major Oil Storage Facility
6	CONED, FLUSHING RIVER COKING	32ND AVENUE	3700 feet to the N	Hazardous Substance Waste Disposal Site
17	LEFFERTS OIL TERMINAL, INC.	31-70 COLLEGE POINT BOULEVARD	3862 feet to the NNW	Major Oil Storage Facility
18	CON EDISON FARRINGTON ST	FARRINGTON ST & 32ND AVE	3940 feet to the N	Hazardous Waste Treat, Storage, Disposal
4	COLLEGE POINT OIL LAGOON	123RD STREET AND 31ST AVENUE	4433 feet to the NW	CERCLIS/NYSDEC Inactive Haz Waste Sit
12	BEECHWHITE REALTY DEMO SL	31-40 123RD ST	4586 feet to the NNW	Solid Waste Facility
5	COLLEGE POINT OIL LAGOON	123RD STREET AND 31ST AVENUE	5005 feet to the NNW	CERCLIS/NYSDEC Inactive Haz Waste Sit
13	COLLEGE PT INDUS PK		5167 feet to the N	Solid Waste Facility
14	NYCDOS HOUSEHOLD DUMPING	31 AVENUE & 122 STREET	5220 feet to the NNW	Solid Waste Facility

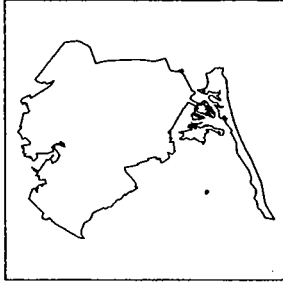
228
229
230
231
232

RAYEX CORP
RAYEX CORP
TAYSTEE BAKING COMPANY
TASTEE BAKING COMPANY
AMERICAN BAKERIES COMPANY

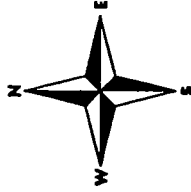
133-30 37 AVE
133-30 37 AVE
131-33 AVERY AVENUE
131-33 AVERY AVENUE
131-33 AVERY AVENUE

798 feet to the NNE
798 feet to the NNE
1249 feet to the S
1249 feet to the S
1249 feet to the S

**Toxics Targeting
1 Mile Buffer Search Map
Muss Development Site
Queens, NY 11354**



Queens County

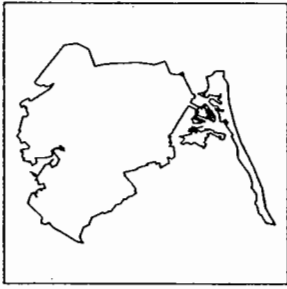


- NPL/CERCLIS/NYSDEC Inactive Hazardous Waste Disposal Site
- Hazardous Waste Treater, Storer, Disposer
- Hazardous Substance Waste Disposal Site
- Major Oil Storage Facility
- Solid Waste Facility

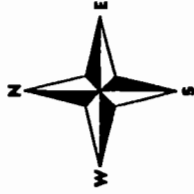
- Subject Area
- Minor Roads
- Major Roads
- Expressways
- 1 Mile Radius
- 1/2 Mile Radius
- 1/4 Mile Radius
- Waterbody
- County Border
- Railroad Tracks



Toxics Targeting 1 Mile Buffer Search Map Muss Development Site Queens, NY 11354



Queens County



- NPL/CERCLIS/NYSDEC Inactive Hazardous Waste Disposal Site
- Hazardous Waste Treater, Storer, Disposer
- Hazardous Substance Waste Disposal Site
- Major Oil Storage Facility
- Solid Waste Facility

- Subject Area
- Minor Roads
- Major Roads
- Expressways
- 1 Mile Radius
- 1/2 Mile Radius
- 1/4 Mile Radius
- Waterbody
- County Border
- Railroad Tracks



**Toxics Targeting
1/2 Mile Buffer Search Map
Muss Development Site
Queens, NY 11354**

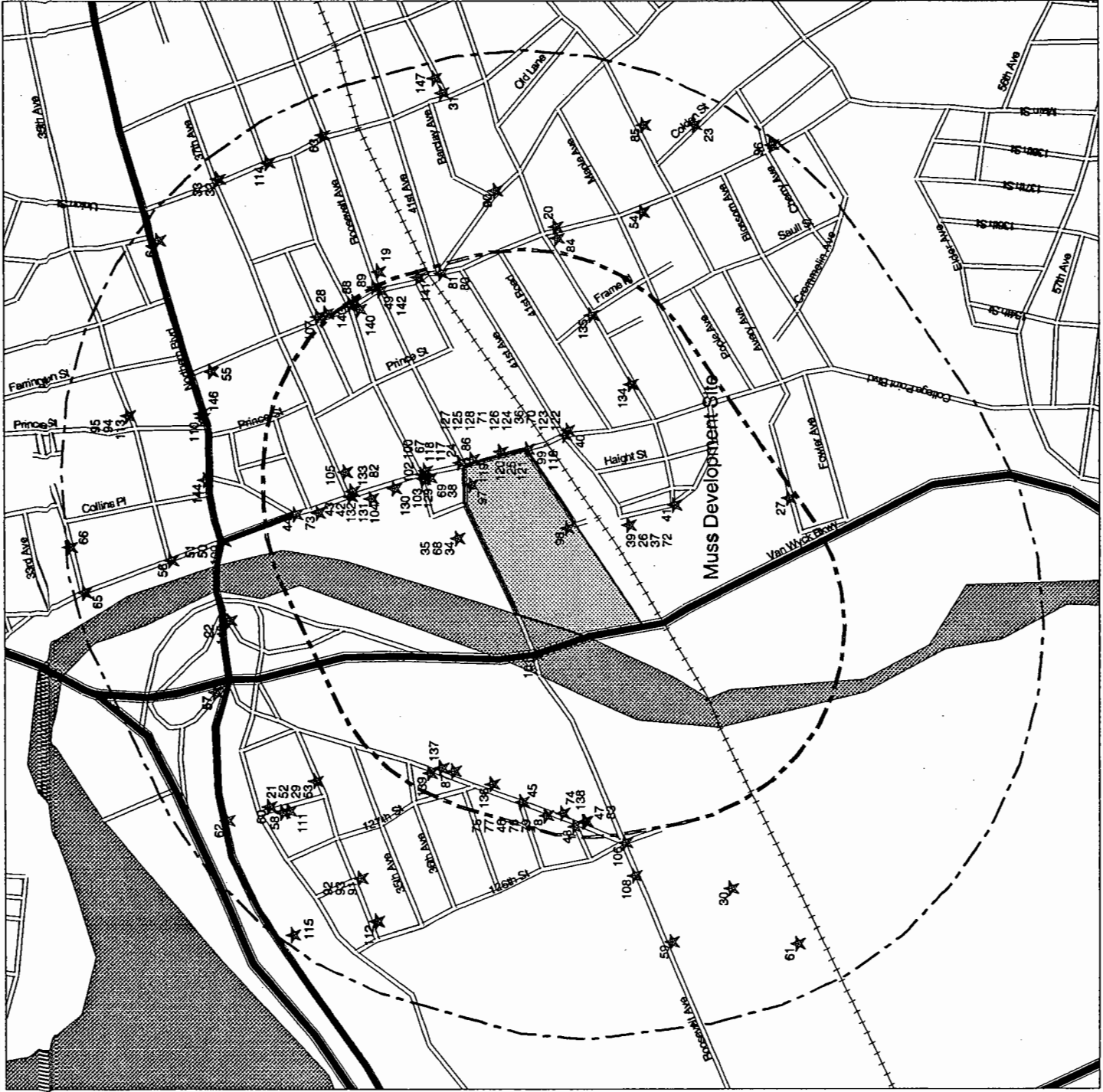


Queens County



MTBE Gasoline Additive Spill
 Hazardous Material Spill

	Subject Area		Waterbody
	Minor Roads		County Border
	Major Roads		Railroad Tracks
	Expressways		1/2 Mile Radius
	1 Mile Radius		1/8 Mile Radius
	1/4 Mile Radius		



**Toxics Targeting
1/4 Mile Buffer Search Map
Muss Development Site
Queens, NY 11354**

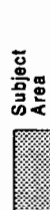


Queens County



- Hazardous Waste Generator, Transp.
- Air Release
- Historic Utility Site
- Petroleum Bulk Storage Facility

- Chemical Storage Facility
- Toxic Release
- Wastewater Discharge
- Civil Enforcement Docket Facility

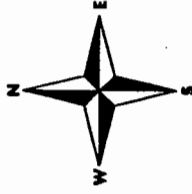


- County Border
- Railroad Tracks
- 1/2 Mile Radius
- 1/8 Mile Radius

- Expressways
- 1 Mile Radius
- 1/4 Mile Radius

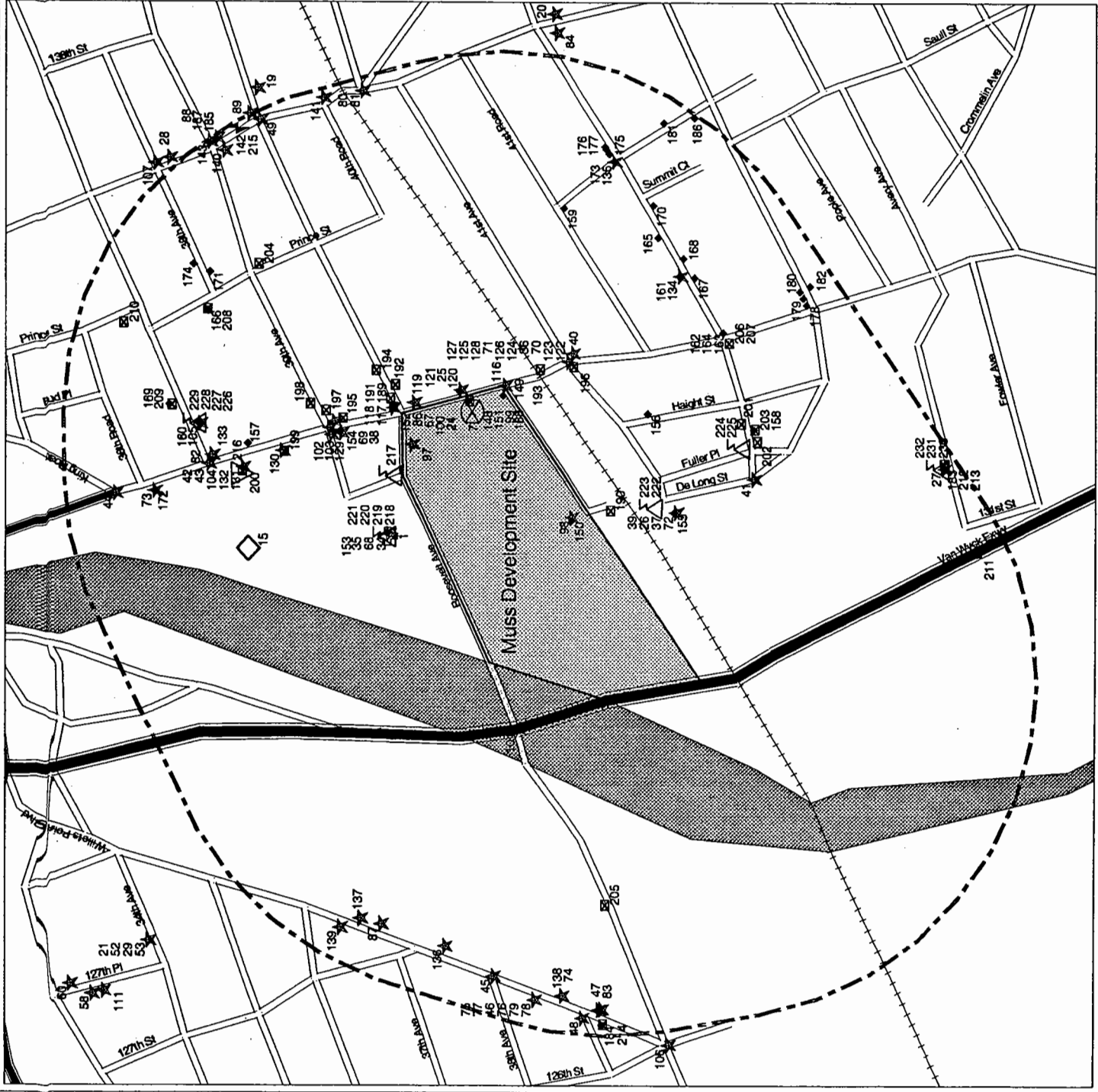


**Toxics Targeting
1/4 Mile Buffer Closeup Map
Muss Development Site
Queens, NY 11354**



Queens County

- NPL/CERCLIS/NYSDEC Inactive Hazardous Waste Disposal Site *
- Hazardous Waste Treatment, Storer, Disposer *
- Hazardous Substance Waste Disposal Site *
- Major Oil Storage Facility *
- Chemical Storage Facility ***
- Toxic Release ***
- Wastewater Discharge ***
- Civil Enforcement Docket Facility ***
- MTBE Gasoline Additive Spill
- Solid Waste Facility *
- Hazardous Material Spill **
- Hazardous Waste Generator, Transp. ***
- Air Release ***
- Historic Utility Site ***
- Petroleum Bulk Storage Facility ***
- Subject Area
- Minor Roads
- Major Roads
- Expressways
- 1 Mile Radius
- 1/2 Mile Radius
- 1/4 Mile Radius
- County Border
- Railroad Tracks
- Waterbody



* 1 Mile Search Radius
*** 1/4 Mile Search Radius
** 1/2 Mile Search Radius

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.

D1, 2, 3 -- Delisted Site (1: hazardous waste not found; 2: remediated; 3: consolidated site or site incorrectly listed)

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 and a map coordinate location. Both locations are mapped because they can be equally correct.

or Map Coordinate

or Manual Mapping

or Site Visit

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.

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 Toxics Wastewater Discharges, Toxic Release Inventory sites and Major Oil Storage Facilities should be considered suspect.

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.

Information Source Guide

Toxics Targeting's Computerized Environmental Reports contain government and other information compiled on 17 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) **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. ASTM required.* Fannie Mae required.**
Source: New York State Department of Environmental Conservation.²

Profile data updated through: 6/15/1999.

Data obtained by Toxics Targeting: 8/1/1999.

New Facilities updated to: 1/1/2000.

Data obtained by Toxics Targeting: 2/6/2000.

2) **CERCLIS:** Toxic sites listed in the Federal Comprehensive Environmental Response, Compensation and Liability Information System. NPL sites are also included in CERCLIS. ASTM required.* Fannie Mae required.**

Source: U. S. Environmental Protection Agency.¹

Profile data updated through: 12/29/1999.

Data obtained by Toxics Targeting: 1/2/2000.

New Facilities updated through: 12/29/1999.

Data obtained by Toxics Targeting: 1/2/2000.

3) **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. ASTM required.* Fannie Mae required.**

Source: U. S. Environmental Protection Agency.¹

Profile data updated through: 4/1999.

Data obtained by Toxics Targeting: 6/3/1999.

New Facilities updated through: 8/26/1999.

Data obtained by Toxics Targeting: 9/6/1999.

4) **Hazardous Substance Waste Disposal Site Study:** NYS database of waste disposal sites that may pose threats to public health or the environment, but cannot be remediated using monies from the Hazardous Waste Remedial Fund.

Source: New York State Department of Environmental Conservation.²

Final Report released 6/13/1995.

Data obtained by Toxics Targeting: 12/4/1995.

5) **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: 1/01/1998.

Data obtained by Toxics Targeting: 6/30/1998.

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.*

6) **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. Fannie Mae required.**

Source: New York State Department of Environmental Conservation.² Data update schedule: rolling basis.

Data updated through 7/1/1999.

Data obtained by Toxics Targeting: 7/29/1999.

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 New York State Law and the Resource Conservation and Recovery Act (RCRA).

ASTM required.* Fannie Mae required.**

Source: New York State Department of Environmental Conservation.²

Manifest transactions data updated to: 1/01/1999. Manifest transactions data obtained by Toxics Targeting: 3/27/1999.

New facilities updated through: 1/01/1999.

New facilities obtained by Toxics Targeting: 3/27/1999.

(b) **Notifier 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: 3/26/1998.

Data obtained by Toxics Targeting: 4/9/1998.

Data attributes updated through: 12/22/1998.

Data obtained by Toxics Targeting: 3/30/1999.

(c) RCRA Violations Information:

U. S. Environmental Protection Agency database of violations data reported for facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA).

Source: U. S. Environmental Protection Agency¹

New facilities updated through: 3/26/1998.

Data obtained by Toxics Targeting: 4/9/1998.

Data attributes updated through: 12/23/1998.

Data obtained by Toxics Targeting: 12/30/1998.

(d) RCRIS Corrective Action Activity (CORRACTIS) Information: U. S. Environmental Protection Agency (EPA) database of hazardous waste facilities with corrective action activity. This data is part of the RCRIS National Oversight database.

Source: U. S. Environmental Protection Agency¹

Data updated through: 1/31/2000.

Data obtained by Toxics Targeting: 2/15/2000.

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 between 4/1/1986 and 1/1/2000. ASTM required.* Fannie Mae.**

Source: NYS Department of Environmental Conservation.²

New spill additions data updated through: 1/1/2000. New spill additions data obtained by Toxics Targeting: 1/28/2000.

Spill attribute data updated through: 1/1/2000. Spill attribute data obtained by Toxics Targeting: 1/28/2000.

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) 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.**

All New York Counties except Cortland, Nassau, Rockland, and Suffolk:

Source: NYS Department of Environmental Conservation.²

Update schedule: rolling basis, with summary compilations made available approximately every three months

Facility data updated through: 7/1/1999 (10/1/98 for Westchester Co.). Facility data obtained by Toxics Targeting: 7/29/1999.

Tank data updated through: 7/1/1999 (10/1/98 for Westchester Co.). Tank data obtained by Toxics Targeting: 7/29/1999.

Nassau County:

Heat producing products and other products with less than 1,000 gallons storage capacity:

Source: Nassau County Department of Health.³ Data update schedule: rolling basis

Data updated through: 2/4/1999.

Data obtained by Toxics Targeting: 2/26/1999.

Generally non-heat producing products with more than 1,000 gallons storage capacity:

Source: Nassau County Fire Marshall.⁴ Data update schedule: rolling basis with annual update

Data updated through: 9/27/1996.

Data obtained by Toxics Targeting: 11/20/1996.

Rockland County:

Source: Rockland County Department of Health.⁵

Data updated through: 8/11/1998.

Data obtained by Toxics Targeting: 8/17/1998.

Suffolk County:

Source: Suffolk County Department of Health Services.⁶

Data updated through: 1/12/1999.

Data obtained by Toxics Targeting: 2/26/1999.

10. RCRA Hazardous Waste Generators and/or Transporters Databases:

(a) Manifest Information: New York State database of hazardous waste facilities and shipments regulated by the New York State 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

Manifest transactions data updated to: 1/01/1999. Manifest transactions data obtained by Toxics Targeting: 3/27/1999.

New facilities updated through: 1/01/1999. New facilities obtained by Toxics Targeting: 3/27/1999.

(b) RCRA Notifier Information: U. S. Environmental Protection Agency database of hazardous waste facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA).

Source: U. S. Environmental Protection Agency¹

New facilities updated through: 3/26/1998.

Data obtained by Toxics Targeting: 4/9/1998.

Data attributes updated through: 12/22/1998.

Data obtained by Toxics Targeting: 3/30/1999.

(c) **RCRA Violations Information:** U. S. Environmental Protection Agency database of violations data reported for facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA).

Source: U. S. Environmental Protection Agency¹

New facilities updated through: 3/26/1998.

Data obtained by Toxics Targeting: 4/9/1998.

Data attributes updated through: 12/23/1998.

Data obtained by Toxics Targeting: 12/30/1998.

(d) **RCRIS Corrective Action Activity (CORRACTS) Information:** U. S. Environmental Protection Agency (EPA) database of hazardous waste facilities with corrective action activity. This data is part of the RCRIS National Oversight database.

Source: U. S. Environmental Protection Agency¹

Data updated through: 1/31/2000.

Data obtained by Toxics Targeting: 2/15/2000.

11) **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. ASTM required.* Fannie Mae required.**

Source: New York State Department of Environmental Conservation.²

Data updated through: 7/1/1999.

Data obtained by Toxics Targeting: 7/29/1999.

12) **Toxic Release Inventory:** New York State and 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: NYS Department of Environmental Conservation²/U. S. Environmental Protection Agency.¹

Data update schedule: rolling basis, with annual information summary for previous year's activities available from NYSDEC each July 1, with corrections and additional information available approximately mid-August.

Data updated through: 5/9/1996.

Data obtained by Toxics Targeting: 5/14/1996

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) **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 Agency¹

Data obtained by Toxics Targeting: 6/14/1996.

15) **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: 9/23/1996.

Data obtained by Toxics Targeting: 9/30/1996

16) **U. S. Environmental Protection Agency Civil Enforcement Docket:** This database is the U. S. EPA's system for tracking civil judiciary cases filed on behalf of the agency by the Department of Justice. Fannie Mae required.**

Source: U. S. Environmental Protection Agency.¹

Date updated through: 4/1996.

Date information obtained by Toxics Targeting: 8/1996

17) **Emergency Response Notification System (ERNS):** Federal database of spills compiled by the Emergency Response Notification System. 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 Standards on Environmental Site Assessments for Commercial Real Estate (E 1527-93, E 1528-93).

** 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).

¹U. S. Environmental Protection Agency, 290 Broadway, NY, NY 10007-1866.

²NYS Department of Environmental Conservation, 50 Wolf Road, Albany, NY 12233.

³Nassau County Department of Health, Bureau of Land Resources Management, 240 Old Country Road, Mineola, NY 11501.

⁴Nassau County Fire Commission, Office of the Fire Marshall, 899 Jerusalem Avenue, P. O. Box 128, Uniondale, NY 11553.

⁵Rockland County Department of Health, The Dr. Robert Yeager Health Center, Building D, Sanitorium Road, Pomona, NY 10970.

⁶Suffolk County Department of Health Services, Hazardous Materials Management, 15 Horseblock Place, Farmingville, NY 11738-1220.



CLOSED STATUS UNKNOWN CAUSE SPILLS AND OTHER CAUSE SPILLS IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

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

Map Identification Number 97 INTERSECTION ROOSEVELT AND JANET PLACE QUEENS, NY NO ZIP PROVIDED Spill Number: 9800091 Close Date: 04/02/1998

MAP LOCATION INFORMATION
Address Change Information
Site location mapped by: ADDRESS MATCHING Revised street: ROOSEVELT AV / JANET PL
Approximate distance from property: 0 feet Revised zip code: 11354

Source of Spill: UNKNOWN Spiller: UNK
Notifier Type: LOCAL AGENCY Notifier Name: RONALD LOCHAN
Caller Name: RONALD LOCHAN Caller Agency: NYC DEP
DEC Investigator: TIBBE Contact for more spill info: RONALD LOCHAN
Spiller Phone: (000) 000-0000
Notifier Phone: (718) 595-4724
Caller Phone: (718) 595-4724
Contact Person Phone: (718) 595-4724

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 Resource Affected Meets Cleanup Standards Penalty Recommended

04/02/1998 UNKNOWN ON LAND NO NO

Material Spilled
Quantity Spilled Units Recovered Unk Quantity Recovered ?
Material Class

#2 FUEL OIL 2000.000 GALLONS NO 0.000 GALLONS YES

Caller Remarks: DEP PERSONNEL ON SCENE FOR INVESTIGATION-THEY ALSO NOTIFIED THE US COAST GUARD IN CASE SPILL MAY AFFECT WATERWAY. REQ CONTACT FROM DEC

DEC Investigator REFER TO 9800087. MARK TIBBE RESPONDING.

Remarks:

Map Identification Number 98 131-60 40TH ROAD/QUEENS Spill Number: 8806394 Close Date: 10/31/1988

MAP LOCATION INFORMATION
Address Change Information
Site location mapped by: MANUAL MAPPING (4) Revised street: 13160 40TH ROAD
Approximate distance from property: 0 feet Revised zip code: UNKNOWN

Source of Spill: UNKNOWN Spiller:
Notifier Type: CITIZEN Notifier Name:
Caller Name: MRS.WHEELER Caller Agency: CITIZEN
DEC Investigator: TAYLOR Contact for more spill info:

Spill Date Date Cleanup Ceased Cause of Spill Resource Affected Meets Cleanup Standards Penalty Recommended

NEW YORK CITY, NY NO ZIP PROVIDED

Spiller Phone: (718) 353-4574
Notifier Phone:
Caller Phone: (718) 353-4574
Contact Person Phone:

10/28/1988 10/31/1988 OTHER IN SEWER UNKNOWN NO
 Material Spilled Material Class
 Unk Quantity Spilled Units
 Unk Quantity Recovered Units
 Unk Quantity Recovered ?
 RAW SEWAGE NON-PETROLEUM/NON-HAZARDOUS -1.000 UNKNOWN NO 0.000 UNKNOWN NO
 Caller Remarks: NOTIFIED NYCDEP, NYCDEP RESPONDED BUT CLAIMED IT WAS NOT THEIR RESPONSIBILITY, ACROSS FROM TREATMENT PLANT.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 99 BROKEN FORCE MAIN Close Date: 10/25/1988
 40 ROAD NR COLLEGE PT BLVD
 NYC, NY NO ZIP PROVIDED
 ADDRESS CHANGE INFORMATION
 Revised street: 40TH RD / COLLEGE PT BLVD
 Revised zip code: 11354

Source of Spill: UNKNOWN Spiller:
 Notifier Type: LOCAL AGENCY Notifier Name: Spiller Phone:
 Caller Name: MR VIOLA Caller Agency: US EPA Notifier Phone: (718) 539-7597
 DEC Investigator: MANDALAA Contact for more spill info: Contact Person Phone:

Spill Date Date Cleanup Ceased Cause of Spill Resource Affected Meets Cleanup Standards Penalty Recommended
 10/25/1988 10/25/1988 UNKNOWN ON LAND UNKNOWN NO
 Material Spilled Material Class
 Quantity Spilled Units
 Quantity Recovered Units
 Unk Quantity Recovered ?
 RAW SEWAGE NON-PETROLEUM/NON-HAZARDOUS -1.000 UNKNOWN NO 0.000 UNKNOWN NO

Caller Remarks: COMING UP OUT OF GUTTER IN MIDDLE OF STREET.
 DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.



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 1/4 mile. Between 1/4 mile and 1/2 mile, 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.

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

Map Identification Number 116 40TH RD. & COLLEGE POINT
 40TH RD. & COLLEGE PT.

Spill Number: 8700103 Close Date: 04/03/1987

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 0 feet

NEW YORK CITY, NY NO ZIP PROVIDED
 ADDRESS CHANGE INFORMATION
 Revised street: 40TH RD / COLLEGE PT BLVD
 Revised zip code: 11354

Source of Spill: UNKNOWN
 Notifier Type: RESPONSIBLE PARTY
 Caller Name:
 DEC Investigator:

Spiller: N.Y.C.D.E.P.
 Spiller Phone:
 Notifier Phone:
 Caller Phone:
 Contact Person Phone:

Contact for more spill info:

Spill Date 04/03/1987 Date Cleanup Ceased 04/03/1987 Cause of Spill EQUIPMENT FAILURE Resource Affected SURFACE WATER Meets Cleanup Standards UNKNOWN Penalty Recommended NO

NO MATERIAL INFORMATION GIVEN FOR THIS SITE

Caller Remarks: SEWER DEPARTMENT TRYING TO REPAIR.

DEC Investigator 10/10/95: This is additional information about material spilled from the translation of the old spill
 Remarks: file: HALF/ MILLION

Map Identification Number 117 BLAND HOUSES
 40-05 COLLEGE POINT BLVD

Spill Number: 9704751 Close Date: 07/23/1997

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING
 Approximate distance from property: 29 feet to the NE*

QUEENS, NY NO ZIP PROVIDED
 ADDRESS CHANGE INFORMATION
 Revised street: 4005 COLLEGE POINT BLVD
 Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING
 Notifier Type: LOCAL AGENCY
 Caller Name: GLEN SROUR
 DEC Investigator: HEALY

Spiller: NYC HOUSING AUTHORITY
 Spiller Phone: (212) 306-3229
 Notifier Phone:
 Caller Phone: (212) 306-3233
 Contact Person Phone: (718) 353-7908

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 Resource Affected Meets Cleanup Standards Penalty Recommended



*** HAZARDOUS WASTE GENERATORS/TRANSPORTERS IDENTIFIED WITHIN 1/4 MILE SEARCH RADIUS ***

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

Map Identification Number 188 **CONSOLIDATED EDISON COMPANY OF NEW YORK** **Facility Id NYD078510211**
 40-22 COLLEGE POINT BOULEVARD
 QUEENS, NY 11356
 EPA (FINDS) Name: CON EDISON QUEENS CENTRAL SERVICE STA
 EPA (FINDS) Address: 40-22 COLLEGE POINT BLVD
 QUEENS, 11356

MAP LOCATION INFORMATION
 Address Change Information
 Site location mapped by: ADDRESS MATCHING Revised street: 4022 COLLEGE POINT BLVD
 Approximate distance from property: 0 feet Revised zip code: 11354

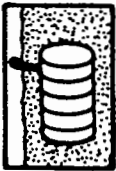
US EPA RCRA Type: Generator: LARGE QUANTITY GENERATOR Transporter:
 Land Disposal(LDF): Incinerator:
 Storage/Treatment (TSF): Receives offsite waste:

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

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT UNITS	TRANSACTION TYPE	YEAR
D008	Lead	45500 POUNDS	GENERATED	93
D008	Lead	21 TONS	GENERATED	93
D008	Lead	57 CUBIC YDS	GENERATED	93
D001	Solid waste that exhibits the characteristic of ignitability	15600 POUNDS	GENERATED	89
F001	Spent halogenated solvents used in degreasing	330 GALLONS	GENERATED	89

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
Lead	7439921	X	X	X	X	X	0.05mg/L*



*** PETROLEUM BULK STORAGE FACILITIES LESS THAN 400,000 GALLONS IDENTIFIED WITHIN THE 1/4 MILE SEARCH RADIUS ***

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

Map Identification Number 148 COLLEGE POINT SERVICE CENTER
40-22 COLLEGE POINT BLVD.

Facility Id 2-453005 Source: NYS DEC
FLUSHING, NY 11354

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 0 feet

ADDRESS CHANGE INFORMATION
Revised street: 4022 COLLEGE POINT BLVD.
Revised zip code: NO CHANGE

Expiration Date of the facility's registration certificate:
Facility Phone Number:

08/23/1993
(718) 670-6703

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL	CLOSE DATE
D03	CLOSED BEFORE 4/1/91	DIESEL	550	UNDERGROUND							00/00
D05	CLOSED BEFORE 4/1/91	DIESEL	550	UNDERGROUND							00/00
D4A	CLOSED BEFORE 4/1/91	DIESEL	275	ABOVEGROUND							00/00
D4B	CLOSED BEFORE 4/1/91	DIESEL	275	ABOVEGROUND							00/00
F07	CLOSED BEFORE 4/1/91	#1 2 OR 4 FUEL OIL	275	ABOVEGROUND							00/00
F08	CLOSED BEFORE 4/1/91	#1 2 OR 4 FUEL OIL	275	ABOVEGROUND							00/00
G1A	CLOSED BEFORE 4/1/91	LEADED GASOLINE	1080	UNDERGROUND							00/00
G1B	CLOSED BEFORE 4/1/91	LEADED GASOLINE	1080	UNDERGROUND							00/00
G1C	CLOSED BEFORE 4/1/91	LEADED GASOLINE	1080	UNDERGROUND							00/00
G1D	CLOSED BEFORE 4/1/91	LEADED GASOLINE	1080	UNDERGROUND							00/00
G2A	CLOSED BEFORE 4/1/91	UNLEADED GASOLINE	550	UNDERGROUND							00/00
G2B	CLOSED BEFORE 4/1/91	UNLEADED GASOLINE	550	UNDERGROUND							00/00

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
DIESEL	68334305	X	X			X	X
UNLEADED GASOLINE	113373000	X	X			X	X

APPENDIX B
Subsurface Investigation (June 1989)



June 8, 1989
H-2735-88

soils & foundations
land development
environmental

Mr. Jason Bolen
c/o Muss Development Corp.
118-35 Queens Boulevard
Forest Hills, New York 11375

Re: Environmental Engineering Report
Former Consolidated Edison Facility
College Point Blvd. and 40th Road
Queens, New York, N.Y.


Dear Jason:

We have completed our engineering investigation of the environmental conditions at the referenced former Consolidated Edison site in Queens, New York. Our work was performed generally as outlined in our proposal to you dated January 13, 1989. The drilling program, however, was more extensive since we had to drill deeper to reach suitable soil conditions. Generally, this work involved performing a total of 8 exploratory test borings, ~~constructing 4 groundwater monitoring wells, procuring soil and groundwater samples for laboratory chemical and geotechnical analyses and evaluating the data.~~ Our evaluation of the site soil conditions, from a geotechnical engineering standpoint, will be presented in a separate report.

Should you have any questions regarding this report, please do not hesitate to contact us.

Very truly yours,

Soils Engineering Services, P.C.


Christopher F. Zwingle, P.E.

CFZ
c1143rpt

INTRODUCTION

We have performed a subsurface investigation and evaluation of the soil and groundwater conditions at the former Consolidated Edison site for the purposes of environmental and geotechnical analyses. This investigation included exploratory test borings and the installation of groundwater monitoring wells throughout the site. The boring locations were based on the preliminary proposed site development plan. The environmental evaluation of the subsurface soil and groundwater conditions is presented in this report. The geotechnical evaluation, from a foundation design and construction standpoint, will be presented in a separate report.

The work associated with our environmental evaluation consisted of:

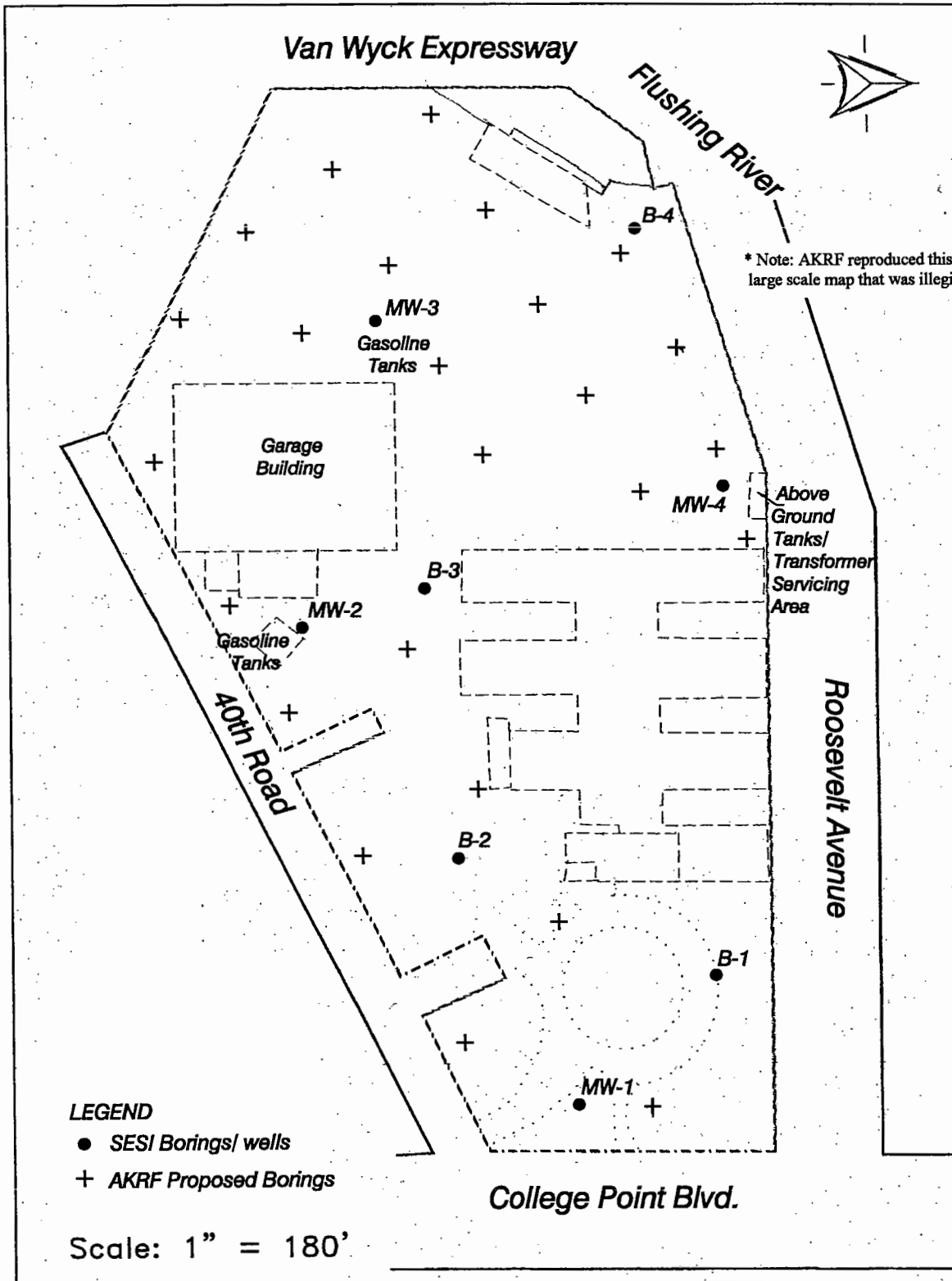
1. Performing a total of 8 exploratory borings to depths between 22 and 102 ± ft. below existing grade;
2. Installing a total of 4 groundwater monitoring wells at locations adjacent to 4 of the boreholes. The monitoring wells were installed to depths between 13 and 31 ft. below existing grade. Wells 2, 3 and 4 were installed at locations of high environmental concern near the underground gasoline storage tanks and the reported old PCB handling/storage area. Well 1 was installed hydrologically upgradient on the site to measure background groundwater quality;
3. Obtaining 3 Shelby Tube soil samples and performing geotechnical laboratory tests, including consolidation tests on 2 of the samples;

4. Obtaining 8 soil samples for laboratory chemical testing along with Quality Assurance/Quality Control (QA/QC) field blanks;
5. Developing and procuring 1 groundwater sample from each of the 4 wells along with a QA/QC field blank for laboratory chemical testing;
6. Performing a groundwater level survey and determining the direction of groundwater flow;
7. Performing an evaluation of the data and presenting recommendations for remediation and additional investigation.

EXISTING SITE CONDITIONS

The 14 ± acre site is bounded by College Point Blvd. to the east, by 40th Road to the southeast, by the N.Y.C. Rapid Transit elevated subway and Roosevelt Ave. to the north, and by the Flushing River to the west. The site is entirely covered with either structures or pavement. Based on a previous site reconnaissance, we determined that there are 3 areas where subsurface contamination would most likely be present. Two of these areas are locations of underground gasoline storage tanks and 1 area is where PCB's were handled and/or stored in the past. Another area, adjacent to the Flushing River, is also a potential area of contamination since it was used by Con-Ed in the past to clean trucks, equipment, etc.

We did not perform an environmental audit regarding construction materials of the existing site structures. Our investigation was concerned only with subsurface environmental conditions.



MUSS DEVELOPMENT SITE
College Point Blvd.
Queens, New York

PROPOSED BORINGS

AKRF, Inc.

Environmental Consultants
117 East 29 Street New York, N.Y. 10016

DATE
11/4/99

PROJECT No.

FIGURE No.

1

SOIL CONDITIONS

The subsurface conditions on the site consist of a surficial layer of fill. The thickness of this fill layer varies between 8 and 11 \pm ft. and the fill is comprised of a mixture of silty sand soil, cinders, and wood fragments. During drilling, significant petrochemical contamination of this fill layer was observed at the locations of Wells 2, 3, and 4 and Boring 4, all of which are in the western half of the site.

Beneath the fill layer, we encountered very soft, dark grey, organic, clayey silt and peat which are the old river deposits. This stratum is thicker in the western portion of the site nearest the river and thins out towards the east. In Boring 4 and Well 3, which are closest to the river, this stratum of organic soil was 34 and 29 \pm ft. thick, respectively. This stratum was not encountered at all in Well 1, the easternmost test location. Although this soil stratum is saturated, it has relatively low permeability and acts to confine lower groundwater zones under pressure. This was evident during drilling; when the boreholes were advanced through the organic clayey silt and peat into lower more permeable soil strata, the water levels in the boreholes rose rapidly. We obtained 2 "undisturbed" Shelby Tube samples of this soil stratum from Borings 3 and 4 for laboratory consolidation testing. These results will be presented in the geotechnical engineering report.

Generally, beneath the organic clayey silt and peat, we encountered glacial deposits of dense glacial till, drift, and outwash, although the till was predominant. The glacial till consists of coarse to fine sand with lesser and variable amounts of clay, silt and gravel. In the eastern portion of the site, Boring 1 and Well 1 were advanced through relatively clean sands, which are glacial drift. Borings 1 and 3, which were the 2

deepest borings, were advanced into a stiff silty clay stratum, which presumably underlies the entire site.

Refer to Figures 3 and 4, which are generalized geologic cross sections through the site, along the east-west site axis. Also, refer to the boring and well logs which are included in Appendix A. Finally, refer to Figure 1, the Boring and Well Location Plan, and to Figure 2, the Monitoring Well Detail Drawing.

GROUNDWATER CONDITIONS

Groundwater exists at a shallow depth on this site; typically between 3 to 7 ft. below grade, except in the eastern portion of the site where it is deeper because the existing grade is higher. The surface of the groundwater table is fairly flat. The direction of groundwater flow is towards the river or towards the west. The 2 wells closest to the river, Wells 3 and 4, are slightly tidally influenced and are hydraulically connected to the river by the relatively permeable fill layer.

The organic clayey silt and peat stratum is a hydraulically restrictive zone because of its relatively low permeability, compared to the underlying and overlying strata. However, it does not represent a total barrier to groundwater movement; rather, it just does not transmit groundwater as readily as the strata above and below.

ENVIRONMENTAL SAMPLES

Soil Samples

During drilling, we obtained 1 soil sample from each boring for laboratory chemical analyses, resulting in a total of 8 soil samples. Each sample was obtained using a negative bias approach from the fill

layer based on visual observations and field measurements (using a Foxboro flame ionization detector and an HNU photo-ionization detector). A field blank was taken during each day of sampling resulting in a total of 8 field blanks. The soil samples were analyzed for 13 heavy metals, PCB's and total petroleum hydrocarbons. Also, the sample from Well 4 was analyzed for volatile organic compounds. All of the laboratory data are summarized on Tables 1 and 2 and the laboratory results are included in Appendix B. The laboratory QA/QC data are attached separately since it is voluminous.

A decontamination station was established on-site under the full-time supervision of a Geologist from our firm. All of the drilling tools were thoroughly decontaminated prior to drilling each hole in accordance with accepted Environmental Protection Agency (EPA) QA/QC requirements. Also, every split spoon sampling device was thoroughly decontaminated prior to sampling. All the decontamination work was done in accordance with the QA/QC Plan, which was developed for the project.

Groundwater Samples

One "round" of groundwater samples was procured and analyzed along with 1 field blank. The groundwater samples were procured using standard accepted EPA procedures. Dedicated PVC sampling bailers were installed in each of the 4 wells and were utilized for well development, purging and sampling. All of the laboratory data are summarized in Table 3 and the laboratory results are included in Appendix B. The laboratory QA/QC data are attached separately since it is voluminous.

CONTAMINATION EVALUATION

General

The New York Department of Environmental Conservation (DEC) does not have specific guidelines which are utilized for the determination of possible site clean-up requirements as a result of soil and/or groundwater contamination. The DEC does use Federal and State publications and criteria for making such determinations based on the health risks associated with human exposure. Most of these standards relate to protecting public drinking water supplies. As an alternate, in industrialized areas, the DEC utilizes background soil and/or groundwater contamination levels to evaluate possible site clean-up requirements. On this site, it is very likely that the background level standards would govern, rather than drinking water standards, due to the industrialized nature of the area. Also, since the groundwater system on-site is hydraulically connected to and (slightly) tidally influenced by the Flushing River, the river water quality should also be a consideration.

We have utilized the New Jersey ECRA guideline levels in evaluating the environmental status of the site. These guidelines are conservative, are general in nature, and are based on health risk criteria. Although these criteria would not be applicable to your site, they will serve as a guide for evaluating the environmental quality of the site. In addition, we have used the laboratory results from Well 1, the upgradient test location, in our evaluation.

Soil Contamination

Soil samples from Boring 4 and Wells 3 and 4 yielded very high levels of PCB's; the ECRA guideline is 1,000 parts per billion (ppb) for

residential areas (which is proposed for this site) and 5,000 ppb for industrialized areas. The soil samples from these three test locations and Boring 3 also yielded very high levels of total petroleum hydrocarbons; the ECRA guideline is 100 parts per million (ppm).

Soil contamination by PCB's and petroleum hydrocarbons is predominant in the western \pm half of the site and is probably the result of past on-site waste disposal practices and possibly leaking underground gasoline tank(s). The levels of petroleum hydrocarbons are very high and the levels of PCB's are high, particularly at the location of Well 4, which is the reported location of the old PCB handling area. The high levels of PCB's and petroleum hydrocarbons in the western \pm half of the site follows a trend corresponding to past site uses.

The 2 soil samples from Borings 2 and 4 yielded significant concentrations of some heavy metals above the ECRA guidelines. The ECRA levels for cadmium, copper, lead, mercury and zinc are 3, 170, 100, 1 and 350 ppm, respectively; these levels should be compared to the metals levels in Table 1. Of particular concern are the high levels of lead and zinc in the soil sample from Boring 2 and the high levels of copper and lead in the soil sample from Boring 4.

Since significant metals contamination of soil was only observed at the locations of Borings 2 and 4, this would indicate that either past site activities created this problem in these areas or that by chance, we drilled through 2 metals "hot spots" inherent in the fill layer. If the latter is the case, then there is a strong likelihood that other "hot

spots" exist in the fill layer. It is possible that the high metals concentrations are a manifestation of the origin of the fill.

Groundwater Contamination

Using the New Jersey ECRA clean-up guidelines and the laboratory test results from Well 1, the upgradient site well, it can be seen that contamination by volatile organic compounds and lead is significant only in Wells 2 and 3. These wells are adjacent to the underground gasoline storage tanks and these types of contamination are indicative of gasoline.

Very high levels of PCB's were found in the groundwater sample from Well 4 (1,100 ppb) and lesser, but significant, levels were found in Well 3 (37 ppb). The ECRA guideline is 1 ppb. The levels of PCB's correspond with the high levels of PCB's found in the soil samples. Note that the soil samples were procured from just below the surface of the groundwater table. Also, it should be noted that PCB's are usually found in an oil base which is measured by total petroleum hydrocarbon concentration. Therefore, the levels of PCB's should also correspond to petroleum hydrocarbon levels. High PCB contamination of groundwater likely exists throughout the western ± half of the site.

RECOMMENDATIONS

General

Based upon our testing program, there are 3 general categories of chemical contamination of concern on this site;

1. PCB's and petroleum hydrocarbon contamination of the soil and groundwater which may be the result of past handling and disposal practices and which appears to exist throughout the western \pm half of the site;
2. Contamination of the soil and groundwater by volatile organic compounds and lead which was found at the locations of the old underground gasoline storage tanks;
3. Metals contamination of the fill layer, which does not show any trend throughout the site, based upon our present knowledge of the site history.

PCB's and Petroleum Hydrocarbons

Regarding the PCB's and petroleum hydrocarbons, we recommend that additional shallow soil borings be performed to determine the lateral and vertical extent of contamination. We are prepared to develop a sampling and testing plan. Preliminarily, however, we would recommend drilling approximately 10 shallow soil borings 5 \pm ft. into the organic clayey silt and peat stratum. A minimum of 2 soil samples should be analyzed from each boring; 1 sample of the fill using a negative bias approach and 1 sample from the virgin soil from beneath the fill. Each sample should be tested for PCB's and petroleum hydrocarbons.

In developing the ultimate remediation scheme it is important to determine the vertical and lateral extent of contamination. If a large volume of soil and/or groundwater is contaminated, excavation and off-site disposal would probably be cost prohibitive. Alternate remediation schemes would involve excavation and removal of contamination "hot spots." Areas of lesser contamination might possibly be remediated by

in-situ fixation and/or isolation and encapsulation. The underlying clayey silt and peat, because of its low permeability, probably acts as a barrier to the downward migration of contaminants. During this additional investigation, it would be prudent to obtain a few "undisturbed samples of this soil stratum for laboratory permeability testing, to verify the vertical barrier effect.

Volatile Organic Compounds and Lead

Regarding the volatile organic compounds and lead, we recommend that the underground tanks first be emptied, if this has not yet been done, and thoroughly cleaned of product. Then, we would recommend performing shallow test borings immediately around the tanks for the determination of the vertical and lateral extent of contamination; the number and location of these borings would need to be in accordance with the NYC Fire Department requirements. These borings will enable a determination to be made as to how much contaminated soil must be removed and transported off-site during the ultimate removal of the tanks, which would be desirable. This work should be performed concurrently with the investigation of the PCB's and petroleum hydrocarbon problem.

Metals Contamination of the Fill

Regarding the metals, we recommend researching past site uses which may have caused the metals contamination difficulty. Further field investigative work may be required, either in isolated areas or throughout the site. It should be noted that heavy metals are relatively immobile. Also, the groundwater samples did not yield any significant levels of metals except lead in the borings near the underground tanks.

TABLE 1

SOIL SAMPLES
SUMMARY - LABORATORY TESTING RESULTS - METALS
MUSSE DEVELOPMENT/FORMER CONSOLIDATED EDISON FACILITY
QUEENS, NEW YORK

All results in mg/kg or ppm except for Field Blanks (M4-5) which are in ug/l or ppb.

BORING NO.	DEPTH (FT.)	ANTIMONY	ARSENIC	BERYLLIUM	CADMIUM	CHROMIUM	COPPER	LEAD	MERCURY	NICKEL	SELENIUM	SILVER	THALLIUM	ZINC
B-1	5 TO 7	<2.32	<1.16	<0.58	<0.58	15.8	12.6	<7.0	<0.11	13.7	<0.58	<1.2	<1.2	15.5
M4-5(1)	FIELD BLANK	<60	<10	<5.0	<5.0	<10	<25	<5.0	<0.2	<40	<5.0	<10	<10	<20
B-2	5 TO 7	<5.08	7.67	<0.15	5.72	25.5	114	1,610	3.16	23.4	2.66	<1.5	<1.5	1,160
M4-5	FIELD BLANK	<60	<10	<5.0	<5.0	<10	<25	<5.0	<0.2	<40	<5.0	<10	<10	<20
B-3	5 TO 7	<2.9	12	<0.73	<0.73	3.3	6.8	10	<0.1	<5.9	<0.73	<1.5	<1.5	<2.9
M4-5	FIELD BLANK	<60	<10	<5.0	<5.0	<10	<25	<5.0	<0.2	<40	<5.0	<10	<10	<20
B-4	6 TO 8	2.93	10.2	<0.62	<0.63	37.7	4,180	505	<0.13	68.0	<0.63	<1.3	<1.3	127
M4-5	FIELD BLANK	<60	<10	<5.0	<5.0	<10	<25	<5.0	<0.2	<40	<5.0	<10	<10	<20
M4-1	12 TO 14	<2.27	1.81	<0.57	0.93	26.2	12.6	<6.8	<0.11	15.9	<0.57	<1.1	<1.1	24.8
M4-5	FIELD BLANK	<60	<10	<5.0	<5.0	<10	<25	<5.0	<0.2	<40	<5.0	<10	<10	<20
M4-2	5 TO 7	<2.6	20	<0.65	0.82	24	29	142	0.25	16	1.8	<1.3	<1.3	49.7
M4-5	FIELD BLANK	<60	<10	<5.0	<5.0	<10	<25	<5.0	<0.2	<40	<5.0	<10	<10	<20
M4-3	4 TO 6	<2.53	6.68	<0.63	<0.63	11.5	22.4	35.7	<0.13	14.5	<0.63	<1.3	<1.3	49.7
M4-5	FIELD BLANK	<60	<10	<5.0	<5.0	<10	<25	6.2	<0.2	<40	<5.0	<10	<10	<20
M4-4	6 TO 7	<2.4	2.7	<0.6	<0.6	18	26	29	<0.1	14	<0.6	<1.2	<1.2	75
M4-5	FIELD BLANK	<60	<10	<5.0	<5.0	<10	<25	<5.0	<0.2	<40	<5.0	<10	<10	<20

1. THE FIELD BLANK IS LISTED BELOW THE SAMPLES COLLECTED DURING THE RESPECTIVE SAMPLING PERIOD

TABLE 2
SOIL SAMPLES
SUMMARY - LABORATORY TESTING RESULTS - ORGANIC ANALYSES
PCB's, TOTAL PETROLEUM HYDROCARBONS, P.P., VOLATILE ORGANIC COMPOUNDS
MUSS DEVELOPMENT/FORMER CONSOLIDATED-EDISON FACILITY
QUEENS, NEW YORK
(ALL RESULTS IN UG/L PARTS PER BILLION EXCEPT AS NOTED)

BORING NO.	SAMPLE DEPTH (FT)	PCB's	TOTAL PETROLEUM HYDROCARBONS (PPM)	TOTAL VOLATILE ORGANIC COMPOUNDS	
				TARGET COMPOUNDS	TIC's
B-1	5 TO 7	ND(2)	<10	-	-
MW-5(1)	FIELD BLANK	ND	<1.0	-	-
B-2	5 TO 7	164	72	-	-
MW-5	FIELD BLANK	ND	<1.0	-	-
B-3	5 TO 7	ND	140	-	-
MW-5	FIELD BLANK	ND	<1.0	-	-
B-4	6 TO 8	3,400	3,200	-	-
MW-5	FIELD BLANK	ND	<1.0	-	-
MW-1	12 TO 14	ND	<10	-	-
MW-5	FIELD BLANK	ND	<1.0	-	-
MW-2	5 TO 7	ND	55	-	-
MW-5	FIELD BLANK	ND	<1.0	-	-
MW-3	4 TO 6	9,300	5,500	-	-
MW-5	FIELD BLANK	ND	<1.0	-	-
MW-4	6 TO 7	16,000	2,000	6	ND
MW-5	FIELD BLANK	ND	<1.0	-	-

1. THE FIELD BLANK IS LISTED BELOW THE SAMPLE COLLECTED DURING RESPECTIVE SAMPLING PERIOD.
2. ND = NONE DETECTED

TABLE 3

GROUNDWATER SAMPLES
SUMMARY OF LABORATORY TESTING
MUSSE DEVELOPMENT/FORMER CONSOLIDATED-EDISON FACILITY
QUEENS, NEW YORK
(ALL RESULTS IN UG/L OR PPB EXCEPT AS NOTED)

ANALYTE	GROUNDWATER MONITORING WELL NO.				
	MW-1	MW-2	MW-3	MW-4	MW-5 FIELD BLANK
<u>INORGANIC COMPOUNDS</u>					
ANTIMONY	<60	<60	<60	<60	<60
ARSENIC	<10	<10	35.1	12.9	<10
BERYLLIUM	<5.0	<5.0	<5.0	<5.0	<5.0
CADMIUM	<5.0	<5.0	<5.0	<5.0	<5.0
CHROMIUM	10.9	<10	14.6	<10	<10
COPPER	<25	<25	43.5	78.7	<25
LEAD	<5.0	245	185	44.2	<5.0
MERCURY	<0.2	<0.2	<0.2	<0.2	<0.2
NICKEL	<40	<40	<40	<40	<40
SELENIUM	<5.0	<5.0	<5.0	<5.0	<5.0
SILVER	<10	<10	<10	<10	<10
THALLIUM	<10	<10	<10	<50	<10
ZINC	<20	<20	124	141	<20
CYANIDE	<10	--	--	<10	<10
PHENOLS	<5	--	--	<5	8.51
<u>TOTAL VOLATILE ORGANIC COMPOUNDS</u>					
TARGET COMPOUNDS	8	10	38	1	N/D(1)
TIC	21	178	1,093	N/D	N/D
<u>TOTAL BASE/NEUTRAL COMPOUNDS</u>					
TARGET COMPOUNDS	N/D	--	--	1	N/D
TIC'S	48	--	--	38	N/D
ACID EXTRACTABLE COMPOUNDS	N/D	--	--	N/D	N/D
PESTICIDES	N/D	--	--	N/D	N/D
PCB'S	N/D	N/D	37	1,100	N/D
TOTAL PETROLEUM HYDROCARBONS (PPM)	--	<1.0	<1.0	--	<1.0

1. N/D = NON DETECTED

TABLE 4
 LISTING OF LABORATORY ANALYZED SOIL SAMPLES
 MUSS DEVELOPMENT H-1143
 COLLEGE POINT BOULEVARD
 QUEENS, NEW YORK

BORING NUMBER	SAMPLE DEPTH (FT)	DATE COLLECTED	ANALYTICAL PARAMETERS	FIELD MEASUREMENTS		COMMENTS
				SAMPLE "HEAD-SPACE" VAPOR ANALYSES (PPM)		
				FOXBORO FID	HNU PID	
MW-4	6.0' TO 7.0'	3-23-89	P.P.VOA+15, PCB's, P.P. METALS, PHC's	100	0.3	OILY FILL
MW-5	AQUEOUS FIELD BLANK	3-23-89	PCB's, P.P. METALS, PHC's			
MW-2	5.0' TO 7.0'	3-27-89	PCB's, P.P. METALS, PHC's	20	--	OILY FILL
MW-5	AQUEOUS FIELD BLANK	3-27-89	PCB's, P.P. METALS, PHC's			
B-3	5.0' TO 7.0'	3-28-89	PCB's, P.P. METALS, PHC's	42		FILL
B-1	5.0' TO 7.0'	3-30-89	PCB's, P.P. METALS, PHC's	2.6	--	FILL
MW-5	AQUEOUS FIELD BLANK	3-31-89	PCB's, P.P. METALS, PHC's			
MW-1	12.0' TO 14.0'	3-31-89	PCB's, P.P. METALS, PHC's	--	--	VIRGIN SOIL BENEATH FILL
MW-5	AQUEOUS FIELD BLANK	4-04-89	PCB's, P.P. METALS, PHC's			
MW-3	4.0' TO 6.0'	4-03-89	PCB's, P.P. METALS, PHC's	>1,000		OILY FILL
B-4	6.0' TO 8.0'	4-06-89	PCB's, P.P. METALS, PHC's	6.4		OILY FILL
MW-5	AQUEOUS FIELD BLANK	4-06-89	PCB's, P.P. METALS, PHC's			
B-2	5.0' TO 7.0'	4-07-89	PCB's, P.P. METALS, PHC's	42		FILL

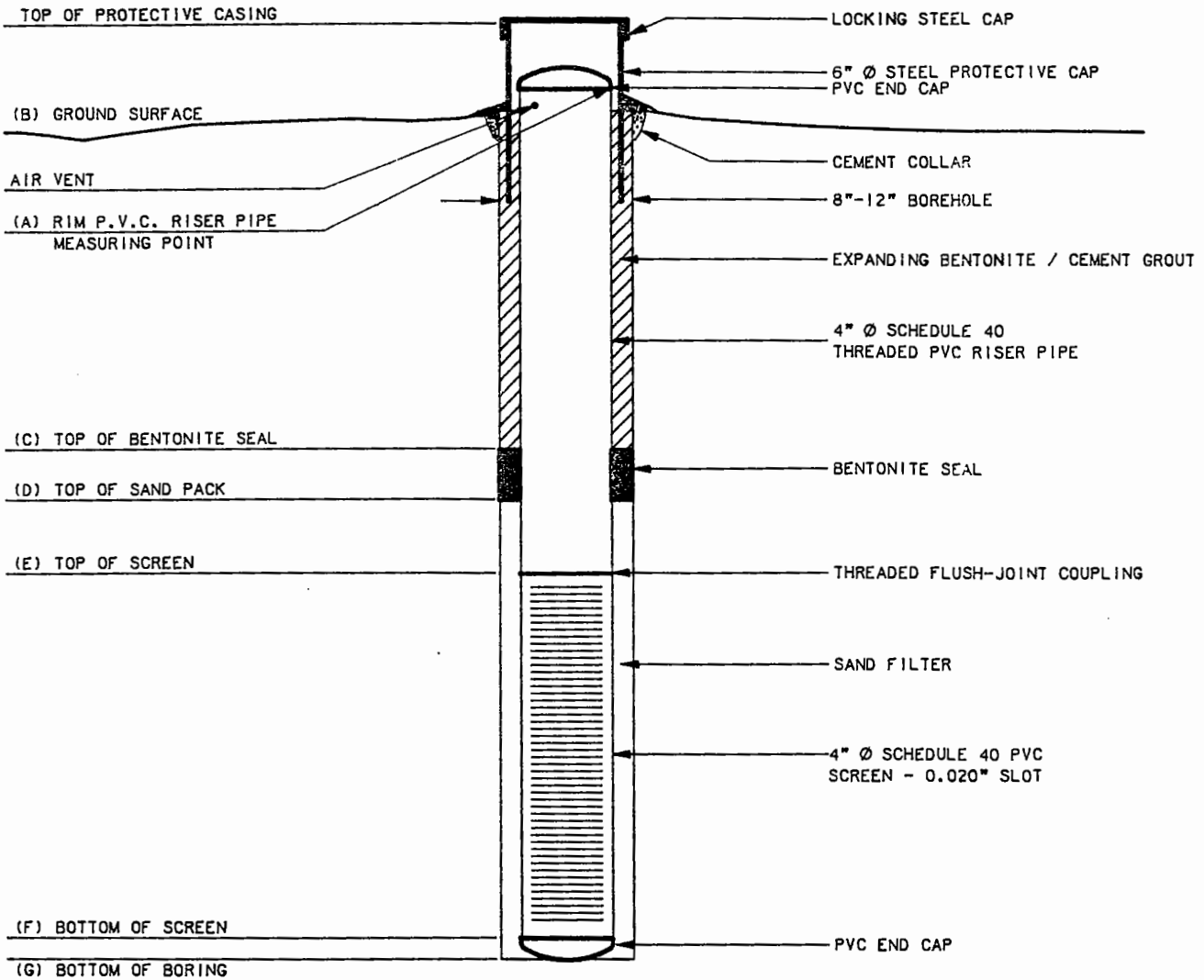
TABLE 5

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION

ECRA CLEAN-UP GUIDELINE LEVELS*

CONTAMINANT TYPE	MATRIX TYPE	SOIL (ppm-mg/kg)	GROUNDWATER (ppb-ug/l)
METALS			
Arsenic		20	50
Barium		400	1,000
Beryllium		1	-
Cadmium		3	10
Chromium		100	50
Copper		170	1,000
Lead		100	50
Mercury		1	2
Nickel		100	-
Selenium		4	10
Silver		5	50
Zinc		350	5,000
ORGANICS			
Total volatile organic compounds		1	10
Total base/neutral extractable compounds		10	50
Total acid extractable compounds		10	50
Total petroleum hydrocarbons		100	1,000
Total PCB's, residential areas		1	1
industrial areas		5	1
MISCELLANEOUS			
Cyanide		12	200

*These contaminant levels are used by the NJDEP on an informal basis for the purpose of determining possible site clean-up requirements.



ELEVATION IN FEET

WELL NO.	(A)	(B)	(C)	(D)	(E)	(F)	(G)
MW - 1	111.47	108.7	94.7	92.2	87.7	77.7	66.7
MW - 2	102.79	100.1	97.6	96.6	96.1	86.1	58.1
MW - 3	101.73	99.1	97.1	96.6	96.1	86.1	52.1
MW - 4	102.48	99.8	97.3	96.3	95.8	85.8	54.8

MONITORING WELL DETAIL

N.T.S!

MUSS DEVELOPMENT
FORMER CON ED FACILITY
QUEENS, NEW YORK

FIGURE 2



environmental
land development
soils & foundations

SEBI consulting engineers
20 troy road, whippany, n.j. 07981 201-887-1200

drawn by: JM
checked by: DJ
scale: NTS
date: 5-23-89
job no: H-1143-89

APPENDIX A

BORING AND WELL LOGS

Muss Development Corporation

Former Con-Ed Facility, Queens, New York

C-1143-89

PROJECT NO. H-1143-89 LOG OF BORING NO. MW-1

DATE 3/31/89 SURFACE ELEV. -- LOCATION See Figure 1

DEPTH FEET	SAMPLER PLIES	*S A M P L E S	R E M A R K S	DEPTH FEET	DESCRIPTION
0					
5					FILL: Dark gray/brown Silty and Gravelly Sand with shell fragments and cinders.
10				10.0	
15				13.5	Orange-brown SILT, some medium to fine Sand, trace medium to fine Gravel
20				15.0	Orange-brown Clayey SILT, and coarse to fine Sand, trace coarse to fine Gravel
25				21.0	Brown SILT, some micaceous medium to fine Sand, trace rounded medium to fine Gravel; Glacial Till
30				26	
35				29	Brown coarse to fine SAND, little Silt, trace coarse to fine Gravel
				30.0	
				28	Orange-brown coarse to medium SAND
					CONTINUED

SAMPLER: 2-INCH O.D. SPLIT BARREL 140 LB. HAMMER, 30 INCH DROP. *BLOWS/FOOT	DEPTH TO WATER _____ DATE _____
	REMARKS _____

Figure

DATE 3/31/89 SURFACE ELEV. -- LOCATION See Figure 1

DEPTH FEET	S A M P L E S	*S R A E M S P I L S I T N A G N C E	D E P T H F E E T	DESCRIPTION
CONTINUED				
40		28	42.0	Orange-brown coarse to medium SAND
45				End of Boring at 42.0 feet
50				NOTE:
55				1. The borehole was sealed with cement/bentonite grout, tremied from the bottom to the ground surface.
60				2. The groundwater monitoring well was drilled adjacent to the sealed borehole.
65				
70				
75				

SAMPLER: 2-INCH O.D. SPLIT BARREL
140 LB. HAMMER, 30 INCH DROP.
*BLOWS/FOOT

DEPTH TO WATER 13.5 ft. DATE 4-6-89
13.6 ft. DATE 4-7-89

REMARKS: Hollow Stem Auger Drilling

Figure

PROJECT NO. H-1143-89 LOG OF BORING NO. MW-2

DATE 3-27-89 SURFACE ELEV. -- LOCATION See Figure 1

DEPTH FEET	SAMPLER TYPE	*S R A E M S P I L S I T N A G N C E	DEPTH FEET	DESCRIPTION
0				
5		54		FILL: 6 in. Asphalt/Gravel over dark gray sandy and gravelly SILT and cinders; petrochemical odor.
10		2	8.0	
15		WOH		Dark gray brown Organic PEAT, and Clayey Silt
20		WOH	14.0	
25		WOH		Dark gray Organic Silty CLAY with plant fibers and shell fragments; at 21.5 feet, alternating 1+ in. thick layers of medium to fine SAND, little Silt; shell fragments were encountered.
30		WOH	26.0	
35		5		Brown Clayey SILT, some fine Sand
40		1		
		17	36.0	
				Orange-brown coarse to medium to fine(-) SAND, trace Silt, little coarse to fine Gravel; glacial till CONTINUED

SAMPLER: 2-INCH O.D. SPLIT BARREL
140 LB. HAMMER, 30 INCH DROP.
*BLOWS/FOOT

DEPTH TO WATER _____ DATE _____

REMARKS _____

Figure

PROJECT NO. H-1143-89 LOG OF BORING NO. MW-2 (continued)
 DATE 3-27-89 SURFACE ELEV. -- LOCATION See Figure 1

DEPTH	SAMPLER	*S R A E M S P I L S I T N A G N C E	DEPTH	DESCRIPTION
40				CONTINUED
40		11	42.0	Orange-brown coarse to medium to fine(-) SAND, trace Silt, little coarse to fine Gravel; glacial till
45				End of Boring at 42.0 feet
50				NOTE: 1. The borehole was sealed with cement/bentonite grout, tremied from the bottom to the ground surface. 2. The groundwater monitoring well was drilled adjacent to the sealed borehole.
55				
60				
65				
70				
75				
SAMPLER: 2-INCH O.D. SPLIT BARREL 14Ø LB. HAMMER, 3Ø INCH DROP. *BLOWS/FOOT				DEPTH TO WATER <u>6.8 Ft</u> DATE <u>4-6-89</u> REMARKS Hollow stem auger drilling

Figure

PROJECT NO. H-1143-89 LOG OF BORING NO. MW-3
 DATE 4/3/89 SURFACE ELEV. -- LOCATION See Figure 1

DEPTH FEET	SAMPLER PLESS	*S A M P L E S	R E M A R K S	DEPTH FEET	DESCRIPTION
0					
5		68 18 10 3		8.0	FILL: 4 in. Asphalt/Gravel over dark gray SILT, and cinders; strong petrochemical odor
10		WOH			Gray Organic Clayey(+) SILT with Peat fibers; shell fragments
15		WOH			
20		WOH			
25		WOH		26.0	
30		WOH			Dark gray Organic Silty CLAY, trace coarse to fine Sand; alternating 1/8" to 1/4" medium to fine Sand layers; shell fragments
35		3		36.5	
40					Brown/gray coarse to fine SAND, some Silt/Clayey Silt, trace fine Gravel; glacial till; gravel is rounded CONTINUED

SAMPLER: 2-INCH O.D. SPLIT BARREL DEPTH TO WATER DATE
 140 LB. HAMMER, 30 INCH DROP. REMARKS
 *BLOWS/FOOT

Figure

PROJECT NO. H-1143-89		LOG OF BORING NO. MW-3 (continued)	
DATE 4-3-89		SURFACE ELEV. --	
		LOCATION See Figure 1	
D E P T H F T	S A M P L E S	*S R A E M S P I L S I T N A G N C E	D E P T H F T
DESCRIPTION			
CONTINUED			
40		16	
45		21	47.0
End of Boring at 47.0 feet			
NOTES:			
1. The borehole was sealed with cement/bentonite grout, tremied from the bottom to the ground surface.			
2. The groundwater monitoring well was drilled adjacent to the sealed borehole.			
50			
55			
60			
65			
70			
75			
SAMPLER: 2-INCH O.D. SPLIT BARREL 140 LB. HAMMER, 30 INCH DROP. *BLOWS/FOOT		DEPTH TO WATER 3.5 Ft. DATE 4-6-89 3.4 Ft. 4-7-89	
REMARKS: Hollow stem auger drilling			

Figure

PROJECT NO.		H-1143-89		LOG OF BORING NO.		MW-4					
DATE		3/23/89		SURFACE ELEV.		--		LOCATION		See Figure 1	
D E P T H F T Ø	S A M P L E S	*S A M P L E S	R E M A R K S	D E P T H F T .	DESCRIPTION						
0		36			FILL: 4 in. asphalt/gravel over Silty Sand and cinders; petrochemical odor and sheen.						
5		4		8.Ø							
10		2		13.Ø	Dark brown PEAT						
15		WOH			Dark gray Organic Silty CLAY, little fine Sand; Peat fibers and shell fragments						
20		WOH									
25		WOH									
30		2		30.Ø	Gray coarse to fine micaceous SAND, some Silt; shell fragments						
35				35.Ø							
40		7			Brown coarse to fine SAND, and Silt, little medium to fine Gravel; glacial till						
					CONTINUED						
SAMPLER: 2-INCH O.D. SPLIT BARREL 14Ø LB. HAMMER, 3Ø INCH DROP. *BLOWS/FOOT					DEPTH TO WATER		DATE				
					REMARKS						

Figure

DATE 3-23-89 SURFACE ELEV. -- LOCATION See Figure 1

DEPTH FEET	S A M P L E S	*S R A E M S P I L S I T N A G N C E	D E P T H F T	DESCRIPTION
				CONTINUED
40		8	41.5	Same
45			45.0	Brown/gray Clayey SILT, trace medium to fine Sand, trace fine Gravel; varved
50				End of Boring at 45.0 feet
55				NOTES:
60				1. Groundwater below 30.0 feet is under confining pressure.
65				2. The borehole was sealed with cement/bentonite grout, tremied from the bottom to the ground surface.
70				3. The groundwater monitoring well was drilled adjacent to the sealed borehole.
75				
SAMPLER: 2-INCH O.D. SPLIT BARREL 14# LB. HAMMER, 3# INCH DROP. *BLOWS/FOOT				DEPTH TO WATER ^{4.6 FT} 4.6 ft DATE ⁴⁻⁶⁻⁸⁹ 4-7-89 REMARKS: Hollow stem auger drilling

Figure

PROJECT NO. H-1143-89		LOG OF BORING NO. B-1	
DATE 3-30-89		SURFACE ELEV. --	
		LOCATION See Figure 1	
D E P T H F T Ø	S A M P L E S	*S R A E M S P I L S I T N A G N C E	D E P T H F T .
DESCRIPTION			
5		13	FILL: 6 in. asphalt/gravel over brown micaceous Silty Sand
		14	
		10	
10		10	10.5
15		19	Orange-brown coarse to fine SAND, some Silt, little coarse to fine Gravel; glacial till, gravel is rounded
20		51	
25			25.0
30		34	Orange brown micaceous coarse to fine SAND, trace Silt trace medium to fine Gravel
35		37	
40			35.0
		36	Orange brown micaceous coarse to fine SAND, trace to little (varies) Silt, little coarse to fine Gravel; Gravel is rounded CONTINUED
SAMPLER: 2-INCH O.D. SPLIT BARREL 140 LB. HAMMER, 30 INCH DROP. *BLOWS/FOOT		DEPTH TO WATER _____ DATE _____ REMARKS _____	

Figure

PROJECT NO. H-1143-89 LOG OF BORING NO. B-1 (continued)

DATE 3/31/89 SURFACE ELEV. -- LOCATION See Figure 1

DEPTH FEET	S AMPLES	*S R A E M S P I L L S I T N A G N C E	DEPTH FEET	DESCRIPTION
40				CONTINUED
44				Orange brown micaceous coarse to fine SAND, trace to little (varies) Silt, little coarse to fine Gravel; Gravel is rounded
45				
43				
40				
36				
50				NOTE: 1. The borehole was sealed with cement/bentonite grout, tremied from the bottom to the ground surface.
66.5				
60				Tan medium to fine SAND, little Silt
71.0				
70				Dark brown Silty CLAY
72.0				
75				End of Boring at 72.0 feet

SAMPLER: 2-INCH O.D. SPLIT BARREL DEPTH TO WATER 6.0 ft DATE 3/31/89
 14# LB. HAMMER, 3# INCH DROP. REMARKS Hollow Stem Auger Drilling
 *BLOWS/FOOT

Figure

PROJECT NO. H-1143-89		LOG OF BORING NO.		B-2	
DATE 4-7-89		SURFACE ELEV. --		LOCATION See Figure 1	
D E P T H F T Ø	S A M P L E S	*S R A E M S P I L S I T N A G N C E	D E P T H F T .	DESCRIPTION	
0					
5		7		FILL: 4 in. asphalt/gravel over brown Silty Sand and cinders	
10		8	10.0		
		WOH	12.0	Brown PEAT, and Clayey Silt	
15				Orange brown coarse to fine SAND, some Silt	
		12	19.0		
20				Brown coarse to fine SAND, some Silt, little medium to fine Gravel; glacial till; gravel is rounded	
		33	22.0		
25				End of Boring at 22.0 feet	
30				NOTE: 1. The borehole was sealed with cement/bentonite grout, tremied from the bottom to the ground surface.	
35					
SAMPLER: 2-INCH O.D. SPLIT BARREL 14Ø LB. HAMMER, 3Ø INCH DROP. *BLOWS/FOOT				DEPTH TO WATER 5.0 ft. DATE 4-7-89 REMARKS: Hollow stem auger drilling	

Figure

PROJECT NO. H-1143-89 LOG OF BORING NO. B-3
 DATE 3-28 & 3-29-89 SURFACE ELEV. -- LOCATION See Figure 1

DEPTH FEET	SAMPLES	*S R A E M S P I L S I T N A G N C E	DEPTH FEET	DESCRIPTION
0				
5		60		FILL: 4 in. asphalt/gravel over cinders and Silty Sand, wood
		5		
		3	9.0	
10		ST**		Dark brown/gray PEAT, and Silty Clay Atterberg Indices @ 9.5 Ft.: LL = 103% PL = 45% PI = 58%
		WOH	14.0	
15		WOH		Dark gray Organic Silty CLAY, Peat fibers Atterberg Indices @ 18.5 Ft.: LL = 85% PL = 35% PI = 50%
		ST**		
20			23.0	
25		2		Gray coarse to fine SAND, some Silt, trace medium to fine Gravel; shell fragments
30			31.0	
		42		
			35.0	Orange brown coarse to fine SAND, some Silt, little medium to fine Gravel
35		21		Brown/gray medium to fine SAND, and Silt, little medium to fine Gravel; glacial till CONTINUED
40				
SAMPLER: 2-INCH O.D. SPLIT BARREL 140 LB. HAMMER, 30 INCH DROP. *BLOWS/FOOT ** SHELBY TUBE				DEPTH TO WATER _____ DATE _____ REMARKS _____

Figure

PROJECT NO. H-1143-89 LOG OF BORING NO. B-3 (continued)

DATE 3-28 & 3-29-89 SURFACE ELEV. -- LOCATION See Figure 1

DEPTH	SAMPLER	*S R	DEPT	DESCRIPTION
FEET		A E	H	
		M S		
		P I		
		L S		
		I T		
		N A		
		G N		
		C		
		E		
40				CONTINUED
45		11		Brown/gray medium to fine SAND, and Silt, little medium to fine Gravel; glacial till
		22		
50		13	54.0	
55		10		Gray/brown Clayey SILT, some medium to fine Sand, trace medium to fine Gravel; laminated
60		14	61.5	Red brown Silty CLAY, little medium to fine Sand; finely laminated with alternating 1/4 to 1/2 inch thick layers of medium to fine SAND, little Silt
65		14		
70		13	74.0	
75		25		Red brown Silty CLAY with thin layers of medium to fine SAND
80				CONTINUED

SAMPLER: 2-INCH O.D. SPLIT BARREL DEPTH TO WATER _____ DATE _____
 140 LB. HAMMER, 30 INCH DROP. REMARKS: _____
 *BLOWS/FOOT

Figure

PROJECT NO. H-1143-89 LOG OF BORING NO. B-3 (continued)

DATE 3-28 & 3-29-89 SURFACE ELEV. -- LOCATION See Figure 1

DEPTH	SAMPLES	*S R A E M S P I L S I T N A G N C E	DEPTH F T	DESCRIPTION
80				CONTINUED
85		13		Red-brown Silty CLAY with thin layers of medium to fine SAND
90		14		
95		18		
100		17		
102.0		20	102.0	End of Boring at 102.0 feet
105				NOTES: 1. Groundwater below 23.0 feet is under confining pressure. 2. The borehole was sealed with cement/bentonite grout, tremied from the bottom to the ground surface.
110				
115				

SAMPLER: 2-INCH O.D. SPLIT BARREL
140 LB. HAMMER, 30 INCH DROP.
*BLOWS/FOOT

DEPTH TO WATER 5.0 ft DATE 3-28-89

REMARKS: Hollow stem auger drilling

Figure

PROJECT NO. H-1143-89		LOG OF BORING NO. B-4	
DATE 4-6-89		SURFACE ELEV. --	
		LOCATION See Figure 1	
D E P T H F T Ø	S A M P L E S	*S R A E M S P I L S I T N A G N C E	D E P T H F T .
			DESCRIPTION
		26	FILL: 4 in. asphalt/gravel over Silty SAND, cinders, wood; strong petrochemical odor and sheen.
		9	
5		7	
		2	
		5	
10		9.5	
		3	12.0
	WOH		Brown coarse to fine SAND, little Silt, little medium to fine Gravel; micaceous, shell fragments
15	ST**		Dark gray Organic Clayey SILT, trace fine Sand; Peat fibers, shell fragments, micaceous
	WOH		
20			
	WOH		
25			Atterberg Indices at 15.5 Ft.: LL = 103% PL = 41% PI = 62%
	WOH		
30			
	WOH		
35			
	WOH		
40			
			CONTINUED
SAMPLER: 2-INCH O.D. SPLIT BARREL		DEPTH TO WATER _____ DATE _____	
140 LB. HAMMER, 30 INCH DROP.		REMARKS _____	
*BLOWS/FOOT ** SHELBY TUBE			

Figure

PROJECT NO. H-1143-89		LOG OF BORING NO. B-4 (continued)	
DATE 4-6-89		SURFACE ELEV. --	
		LOCATION See Figure 1	
D E P T H F E E T	S A M P L E S	*S R A E M S P I L S I T N A G N C E	D E P T H F E E T
			DESCRIPTION
			CONTINUED
40		41.0	Same
	WOH		Gray Organic Clayey SILT, trace medium to fine Sand; peat fibers, shell fragments; micaceous
45		46.0	
	3		
50			
	15		Brown/gray micaceous coarse(-) to medium to fine SAND, and Clayey Silt, trace(-) fine Gravel; glacial till; gravel is rounded
55			
	18		
60		62.0	
	11		
			End of Boring at 62.0 feet
65			NOTE: 1. The borehole was sealed with cement/bentonite grout, tremied from the bottom to the ground surface.
70			
75			
SAMPLER: 2-INCH O.D. SPLIT BARREL 140 LB. HAMMER, 30 INCH DROP. *BLOWS/FOOT		DEPTH TO WATER 5.5 ft. DATE 4-6-89 REMARKS: Hollow stem auger drilling	

Figure

APPENDIX B

LABORATORY RESULTS

Muss Development Corporation

Former Con-Ed Facility, Queens, New York

C-1143-89



RECEIVED
MAR 31 1989
SOILS ENGINEERING SERVICES

REPORT TRANSMITTAL

REPORT NUMBER 20890-577
DATE MARCH 28, 1989

CLIENT SOILS ENGINEERING SERVICES, INC.
20 TROY ROAD
WHIPPANY, NJ 07981

ATTENTION MR. DOUG JONES

The above referenced report is enclosed. Copies of this report and supporting data will be retained in our files in the event they are required for future reference.

If there are any questions concerning this report, please do not hesitate to contact us.

Any samples submitted to our Laboratory will be retained for a maximum of sixty (60) days from receipt of this report, unless other arrangements are desired.

Very Truly Yours.

Emily C. Carpele
Floyd Manager
for KYLE E. DOLBOW Ph.D.
President

MARCH 28, 1989

20890-577
SOILS ENGINEERING SERVICES, INC.
20 TROY ROAD
WHIPPANY, NJ 07981

ATTENTION: MR. DOUG JONES

PURPOSE AND RESULTS:

One (1) sample was received on March 24, 1989 for analysis by York Laboratories of New Jersey, Inc. This sample was analyzed for PCB's by EPA Method 3550/8080 within the recommended holding time.

Results are in the following table, with chain-of-custody and support documentation included as an Appendix.

DATA RELEASE AUTHORIZED BY:

Kyle E. Dolbow
for Kyle E. Dolbow, Ph.D.
President

The liability of York Laboratories of New Jersey, Inc. is limited to the actual dollar value of this project.

QUALIFIERS

- U - Indicates that the compound was analyzed for but not detected.
- J - Indicates that the compound was analyzed for and determined to be present in the sample. The mass spectrum of the compound meets the identification criteria of the method. The concentration listed is an estimated value which is less than the specified minimum detection limit but is greater than zero.
- B - This flag is used when the analyte is found in the blanks as well as the sample. It indicates possible sample contamination and warns the data user to use caution when applying the results of this analyte.
- D - Sample extract was diluted by the factor listed due to the sample matrix and/or concentration levels. All method lower limits of detection for this sample are necessarily increased by this dilution factor.

CLIENT SESI
 JOB NO. 20890-577

SOIL

EPA PRIORITY POLLUTANTS
 PCB's
ug/kg (dry weight)

<u>Dilution Factor (DF)</u>		<u>1.00</u>	<u>1.28</u>				<u>Lower Limits of Detection (LLD) with no Dilution*</u>
<u>Method Blank I.D.</u>		<u>DFB08- 067C- 007</u>	<u>DFB08- 067C- 007</u>				
<u>Client I.D.</u>		<u>PBLK1S</u>	<u>MW-4 6.5-7</u>				
<u>Compound</u>	<u>Lab I.D.</u>	<u>QC- 0613P</u>	<u>577001</u>				
PCB - 1016		U	U				53
PCB - 1221		U	U				53
PCB - 1232		U	U				53
PCB - 1242		U	U				53
PCB - 1248		U	U				53
PCB - 1254/1260		U	16000*				53
PCB - 1260		U	U				53

*MDL (Minimum Detection Limit) = LLD x DF

*Mixture of Aroclor 1254/Aroclor 1260

APPENDIX

1. Chain-of-Custody
2. Laboratory Services Request
3. Laboratory Chronicle
4. Method Blank Summary
5. Surrogate Recoveries
6. Matrix Spike/Matrix Spike Duplicate Summary
7. Total Ion Chromatogram(s) and Chromatogram(s)



YORK LABORATORIES
A DIVISION OF YWC

PURCHASE ORDER # _____

Client: SESI Project: BOLIN, COLLEGE PT. Sampling Date/Time: 3/23/89 ^{12:00}

Deliverable: (Please Circle) - Normal/4 Wks, 3 Wks, 2 Wks, RUSH 1 Wk, Other

Report Format: (Please Circle) - Data Summaries Only, Tier II, Tier I, CLP

Report To: DOUGLAS JONES Billed To: _____
(If Different) _____

20890-577/578

# of Containers	2			
York Sample #	001			
Site I.D.	MW-4 S-2 G-7			
Matrix	Soil			
PARAMETERS				
PP + 40				
PP VOA +15	✓ (normal turn)		20890-578	
MISC. VOA				
TCL VOA +10				
PP BNA +25				
PP BN +15				
PP AE +10				
MISC. BNA				
TCL BNA +20				
PAH				
PP Pest/PCB's				
TCL Pest/PCB's				
PCB's	✓ (1 day turnaround)		York Lab # 20890-577	
PP Metals	✓ (normal turn)		20890-578	
TAL Metals				
Cyanide				
Phenols				
(PHC) Petro. Hydro.	✓ (Normal turn)		20890-578	
RCRA/E.P.Tox:				
(Define)				
OTHER:				

Proper Preservatives? (Yes/No)

IMPORTANT: Please note any hazardous components of samples if known.

Was protective gear worn in the field? (Please Circle) Yes/No

Samples By: Douglas Jones Signed: Douglas Jones Date/Time: 3/24/89

CUSTODY TRANSFERRED:

Name: Cross Signed: Carol R. Ray Date/Time: 3/24/89 1530



REPORT TRANSMITTAL

REPORT NUMBER 20890-578, 584, 588, 615, 640 and 641

DATE MAY 4, 1989

ATTENTION MR. DOUG JONES

CLIENT PROJECT SESI - MUSS DEVELOPMENT

The above referenced report is enclosed. Copies of this report and supporting data will be retained in our files in the event they are required for future reference.

If there are any questions concerning this report, please do not hesitate to contact us.

Very Truly Yours.

KYLE E. DOLBOW Ph.D.
President

628 ROUTE 10 • WHIPPANY NEW JERSEY 07981 • (201) 428 8181

200 MONROE TURNPIKE • MONROE, CONNECTICUT 06468 • (203) 261 4458
126 WEST CENTER COURT • SCHALMERSBURG, ILLINOIS 60195 • (312) 705 0740

000001

May 4, 1989

#20890-578, 584, 588, 615, 640 and 641
SOILS ENGINEERING SERVICES, INC.
20 TROY ROAD
WHIPPANY, NJ 07981

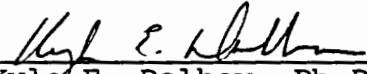
ATTENTION: MR. DOUG JONES

PURPOSE AND RESULTS:

Eighteen (18) samples were received between March 24 and April 10, 1989 for analysis by York Laboratories of New Jersey, Inc. Five (5) water and one (1) soil sample were analyzed for Priority Pollutant Volatile Organics +15 by USEPA CLP Methodology. Three (3) water samples were analyzed for Semivolatiles +25 and Pesticides/PCB's by EPA Methods 625 and 608. Seven (7) water and seven (7) soil samples were analyzed for PCB's by EPA Methods 608 and 3550/8080, respectively. Eight (8) water and eight (8) soil samples were analyzed for Total Petroleum Hydrocarbons by EPA Methods 418.1 and 3540/418.1, respectively. Ten (10) water and eight (8) soil samples were analyzed for Priority Pollutant Metals and three (3) soil samples were analyzed for cyanide by methods in accordance with EPA CLP SOW 787. Three (3) water samples were analyzed for phenols by EPA Method 420.1. All extractions and analyses were performed within the recommended holding times.

Results are in the following tables, with chain-of-custody and support documentation included as an Appendix.

DATA RELEASE AUTHORIZED BY:



Kyle E. Dolbow, Ph.D.
President

The liability of York Laboratories of New Jersey, Inc. is limited to the actual dollar value of this project.

000002

CLIENT: SESI
JOB NO: 20890-578

Case Narrative

PCB's

Due to poor front end chromatography which could not be cleaned, sample 584002 (MW-25-71) is reported at a 10 fold dilution.

QUALIFIERS

- U - Indicates that the compound was analyzed for but not detected.
- J - Indicates that the compound was analyzed for and determined to be present in the sample. The mass spectrum of the compound meets the identification criteria of the method. The concentration listed is an estimated value which is less than the specified minimum detection limit but is greater than zero.
- B - This flag is used when the analyte is found in the blanks as well as the sample. It indicates possible sample contamination and warns the data user to use caution when applying the results of this analyte.
- D - Sample extract was diluted by the factor listed due to the sample matrix and/or concentration levels. All method lower limits of detection for this sample are necessarily increased by this dilution factor.

000004

CLIENT SESI
 JOB NO. 20890-641

WATER

EPA PRIORITY POLLUTANT
 VOLATILE COMPOUNDS
 ug/L

Dilution Factor (DF)	1.00	1.00	1.00	1.00	1.00	1.00	Lower Limits of Detection (LLD) with no Dilution*
Method Blank I.D.	>F7160	>F7160	>F7160	>F7160	>F7160	>F7177	
Client I.D.	Method Blank	MW-5	MW-1	MW-4	MW-2	Method Blank	
Compound	QC-0365V3	641001	641002	641003	641005	QC-0365V4	
Chloromethane	U	U	U	U	U	U	10
Bromomethane	U	U	U	U	U	U	10
Vinyl Chloride	U	U	U	U	U	U	10
Chloroethane	U	U	U	U	U	U	10
Methylene Chloride	U	U	U	1J	3J	U	5
1,1-Dichloroethene	U	U	U	U	U	U	5
1,1-Dichloroethane	U	U	U	U	U	U	5
trans-1,2-Dichloroethene	U	U	U	U	U	U	5
Chloroform	U	U	U	U	U	U	5
1,2-Dichloroethane	U	U	U	U	U	U	5
1,1, 1-Trichloroethane	U	U	U	U	U	U	5
Carbon Tetrachloride	U	U	U	U	U	U	5
Bromodichloromethane	U	U	U	U	U	U	5
2-Chloroethylvinyl ether	U	U	U	U	U	U	5
1,2-Dichloropropane	U	U	U	U	U	U	5
trans-1,3-dichloropropene	U	U	U	U	U	U	5
Trichloroethylene	U	U	1J	U	U	U	5
Benzene	U	U	U	U	3J	U	5
cis-1,3-Dichloropropene	U	U	U	U	U	U	5
Dibromochloromethane	U	U	U	U	U	U	5
1,1,2-Trichloroethane	U	U	U	U	U	U	5
Bromoform	U	U	U	U	U	U	5
Tetrachloroethylene	U	U	7	U	U	U	5
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	5
Toluene	U	U	U	U	U	U	5
Chlorobenzene	U	U	U	U	4J	U	5
Ethyl Benzene	U	U	U	U	U	U	5
Acrolein	U	U	U	U	U	U	50
Acrylonitrile	U	U	U	U	U	U	50
m-Dichlorobenzene	U	BN	BN	BN	U	U	5
o-Dichlorobenzene	U	BN	BN	BN	U	U	5
p-Dichlorobenzene	U	BN	BN	BN	U	U	5

*MDL (Minimum Detection Limit) = LLD X DF

BN - See BN Fraction

000005

CLIENT SESI
 JOB NO. 20890-641

WATER

EPA PRIORITY POLLUTANT
 VOLATILE COMPOUNDS
ug/L

Dilution Factor (DF)	1.00							Lower Limits of Detection (LLD) with no Dilution*
Method Blank I.D.	>F7177							
Client I.D.	MW-3							
Compound	Lab I.D.	641004						
Chloromethane	U							10
Bromomethane	U							10
Vinyl Chloride	U							10
Chloroethane	U							10
Methylene Chloride	U							5
1,1-Dichloroethene	U							5
1,1-Dichloroethane	U							5
trans-1,2-Dichloroethene	U							5
Chloroform	U							5
1,2-Dichloroethane	U							5
1,1,1-Trichloroethane	U							5
Carbon Tetrachloride	U							5
Bromodichloromethane	U							5
2-Chloroethylvinyl ether	U							5
1,2-Dichloropropane	U							5
trans-1,3-dichloropropene	U							5
Trichloroethylene	U							5
Benzene	35							5
cis-1,3-Dichloropropene	U							5
Dibromochloromethane	U							5
1,1,2-Trichloroethane	U							5
Bromoform	U							5
Tetrachloroethylene	U							5
1,1,2,2-Tetrachloroethane	U							5
Toluene	U							5
Chlorobenzene	U							5
Ethyl Benzene	U							5
Acrolein	U							50
Acrylonitrile	U							50
m-Dichlorobenzene	1J							5
o-Dichlorobenzene	U							5
p-Dichlorobenzene	2J							5

*MDL (Minimum Detection Limit) = LLD X DF

LABORATORY NAME: York Labs LAB I.D. QC0365V3
CASE NO.: 20890-641 CLIENT I.D. Method Blank

ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

000006

CAS NUMBER	COMPOUND NAME	FRAC-TION	RT (MIN)	SCAN	ESTIMATED CONCEN-TRATION (ug/L)
1 --	No TIC's Found	VOA	--	--	--
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					

LABORATORY NAME: York Labs LAB I.D. 641001
CASE NO.: 20890-641 CLIENT I.D. MW-5

ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

000007

CAS NUMBER	COMPOUND NAME	FRAC-TION	RT (MIN)	SCAN	ESTIMATED CONCEN-TRATION (ug/L)
1 --	No TIC's Found	VOA	--	--	--
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					

LABORATORY NAME: York Labs LAB I.D. 641002
CASE NO.: 20890-641 CLIENT I.D. MW-1

ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

000008

CAS NUMBER	COMPOUND NAME	FRAC-TION	RT (MIN)	SCAN	ESTIMATED CONCEN-TRATION (ug/L)
1 75150	Carbon disulfide	VOA	4.35	212	21
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					

LABORATORY NAME: York Labs LAB I.D. 641003
CASE NO.: 20890-641 CLIENT I.D. MW-4

ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

000009

CAS NUMBER	COMPOUND NAME	FRAC-TION	RT (MIN)	SCAN	ESTIMATED CONCEN-TRATION (ug/L)
1	No TIC's Found	VOA	--	--	--
--					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					

LABORATORY NAME: York Labs LAB I.D. 641005
CASE NO.: 20890-641 CLIENT I.D. MW-2

ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

000010

CAS NUMBER	COMPOUND NAME	FRAC-TION	RT (MIN)	SCAN	ESTIMATED CONCEN-TRATION (ug/L)
1 1634044	Propane, 2-methoxy-2-methyl-	VOA	5.18	302	170
2 --	unknown	VOA	7.97	582	8
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					

LABORATORY NAME: York Labs LAB I.D. QC0365V4
CASE NO.: 20890-641 CLIENT I.D. Method Blank

ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

000011

CAS NUMBER	COMPOUND NAME	FRAC-TION	RT (MIN)	SCAN	ESTIMATED CONCEN-TRATION (ug/L)
1 --	No TIC's Found	VOA	--	--	--
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					

LABORATORY NAME: York Labs LAB I.D. 641004
CASE NO.: 20890-641 CLIENT I.D. MW-3

000012

ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CAS NUMBER	COMPOUND NAME	FRAC-TION	RT (MIN)	SCAN	ESTIMATED CONCEN-TRATION (ug/L)
1 108872	Cyclohexane, methyl-	VOA	10.29	816	44
2 --	trimethyl benzene isomer	VOA	20.19	1809	97
3 --	unknown PAH	VOA	21.93	1983	85
4 --	ethyl dimethyl benzene isomer	VOA	22.21	2011	48
5 --	ethyl dimethyl benzene isomer	VOA	22.62	2052	34
6 --	ethyl dimethyl benzene isomer	VOA	22.79	2069	83
7 --	dihydro methyl indene isomer	VOA	22.91	2081	84
8 --	tetramethyl benzene isomer	VOA	23.37	2127	78
9 --	tetramethyl benzene isomer	VOA	23.46	2136	61
10 --	unknown PAH	VOA	23.84	2174	35
11 --	unknown PAH	VOA	24.06	2196	220
12 119642	Naphthalene, 1,2,3,4-tetrahydro-	VOA	24.29	2219	66
13 --	dihydro dimethyl indene isomer	VOA	24.63	2253	42
14 --	unknown PAH	VOA	25.77	2367	55
15 --	unknown PAH	VOA	26.61	2451	61
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					

000013

CLIENT SESI
 JOB NO. 20890-578

SOIL

EPA PRIORITY POLLUTANT
 VOLATILE COMPOUNDS
 ug/kg (dry weight)

Dilution Factor (DF)	1.00	1.22					Lower Limits of Detection (LLD) with no Dilution*
Method Blank I.D.	>E9322	>E9322					
Client I.D.	METHOD BLANK	MW4, 6.5-7					
Compound	Lab I.D.	QC-0352V5	578001				
Chloromethane	U	U					10
Bromomethane	U	U					10
Vinyl Chloride	U	U					10
Chloroethane	U	U					10
Methylene Chloride	U	5J					5
1,1-Dichloroethene	U	U					5
1,1-Dichloroethane	U	U					5
trans-1,2-Dichloroethene	U	U					5
Chloroform	U	U					5
1,2-Dichloroethane	U	U					5
1,1, 1-Trichloroethane	U	U					5
Carbon Tetrachloride	U	U					5
Bromodichloromethane	U	U					5
2-Chloroethylvinyl ether	U	U					5
1,2-Dichloropropane	U	U					5
trans-1,3-dichloropropene	U	U					5
Trichloroethylene	U	U					5
Benzene	U	U					5
cis-1,3-Dichloropropene	U	U					5
Dibromochloromethane	U	U					5
1,1,2-Trichloroethane	U	U					5
Bromoform	U	U					5
Tetrachloroethylene	U	U					5
1,1,2,2-Tetrachloroethane	U	U					5
Toluene	U	1J					5
Chlorobenzene	U	U					5
Ethyl Benzene	U	U					5
Acrolein	U	U					50
Acrylonitrile	U	U					50
m-Dichlorobenzene	U	U					5
o-Dichlorobenzene	U	U					5
p-Dichlorobenzene	U	U					5

*MDL (Minimum Detection Limit) = LLD X DF

LABORATORY NAME: York Labs
CASE NO.: 20890-578

LAB I.D. QC0352V5
CLIENT I.D. Method Blank >D9322

ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

000014

CAS NUMBER	COMPOUND NAME	FRAC-TION	RT (MIN)	SCAN	ESTIMATED CONCEN-TRATION (ug/kg)
1 --	No TIC's Found	VOA	--	--	--
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					

LABORATORY NAME: York Labs
CASE NO.: 20890-578

LAB I.D. 578001
CLIENT I.D. MW4, 6.5-7

ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

000015

CAS NUMBER	COMPOUND NAME	FRAC-TION	RT (MIN)	SCAN	ESTIMATED CONCEN-TRATION (ug/kg)
1					
--	No TIC's Found	VOA	--	--	--
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					

000016

CLIENT SESI
 JOB NO. 20890-641

WATER

EPA PRIORITY POLLUTANT
 BASE/NEUTRAL COMPOUNDS
ug/L

Dilution Factor (DF)	2.00	2.11	2.15	2.00		Lower Limits of Detection (LLD) with no Dilution*
Method Blank I.D.	>D6715	>D6715	>D6715	>D6715		
Client I.D.	Method Blank	MW-5	MW-1	MW-4		
Compound	QC-0661B	641001	641002	641003		
N-nitrosodimethyl amine	U	U	U	U		10
bis (2-chloroethyl) ether	U	U	U	U		10
1,3-dichlorobenzene	U	U	U	1J		10
1,4-dichlorobenzene	U	U	U	U		10
1,2-dichlorobenzene	U	U	U	U		10
bis (2-chloroisopropyl) ether	U	U	U	U		10
hexachloroethane	U	U	U	U		10
N-nitroso-di-n propylamine	U	U	U	U		10
nitrobenzene	U	U	U	U		10
isophorone	U	U	U	U		10
bis (2-chloroethoxy) methane	U	U	U	U		10
1,2,4-trichlorobenzene	U	U	U	U		10
naphthalene	U	U	U	U		10
hexachlorobutadiene	U	U	U	U		10
hexachlorocyclopentadiene	U	U	U	U		10
2-chloronaphthalene	U	U	U	U		10
dimethyl phthalate	U	U	U	U		10
acenaphthylene	U	U	U	U		10
2,6-dinitrotoluene	U	U	U	U		10
acenaphthene	U	U	U	U		10
2,4-dinitrotoluene	U	U	U	U		10
diethyl phthalate	U	U	U	U		10
fluorene	U	U	U	U		10
4-chlorophenyl-phenyl ether	U	U	U	U		10
4-bromophenyl phenyl ether	U	U	U	U		10
N-nitrosodiphenylamine	U	U	U	U		10
hexachlorobenzene	U	U	U	U		10
phenanthrene	U	U	U	U		10
anthracene	U	U	U	U		10
di-n-butyl phthalate	U	U	U	U		10
fluoranthene	U	U	U	U		10
benzidine	U	U	U	U		80
pyrene	U	U	U	U		10
butyl benzyl phthalate	U	U	U	U		10
3,3 dichlorobenzidine	U	U	U	U		20
chrysene	U	U	U	U		10

Dilution Factor (DF)		2.00	2.11	2.15	2.00	Lower Limits of Detection (LLD) with no Dilution*
Method Blank I.D.		>D6715	>D6715	>D6715	>D6715	
Client I.D.	Method Blank	MW-5	MW-1	MW-4		
Compound	Lab I.D.	QC- 0661B	641001	641002	641003	
benzo (a) anthracene		U	U	U	U	10
bis (2-ethyl hexyl) phthalate		U	U	U	U	10
di-n-octyl phthalate		U	U	U	U	10
benzo (b) fluoranthene		U	U	U	U	10
benzo (k) fluoranthene		U	U	U	U	10
benzo (a) pyrene		U	U	U	U	10
benzo (g,h,i) perylene		U	U	U	U	10
dibenzo (a,h) anthracene		U	U	U	U	10
Indeno (1,2,3,c,d) pyrene		U	U	U	U	10

*MDL (Minimum Detection Limit) = LLD x DF

LABORATORY NAME: York Labs LAB I.D. QC0661B
CASE NO.: 20890-641 CLIENT I.D. Method Blank

000019

ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CAS NUMBER	COMPOUND NAME	FRAC-TION	RT (MIN)	SCAN	ESTIMATED CONCEN-TRATION (ug/L)
1 --	No TIC's Found	BNA	--	--	--
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					

LABORATORY NAME: York Labs LAB I.D. 641001
CASE NO.: 20890-641 CLIENT I.D. MW-5

000020

ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CAS NUMBER	COMPOUND NAME	FRAC-TION	RT (MIN)	SCAN	ESTIMATED CONCEN-TRATION (ug/L)
1 --	No TIC's Found	BNA	--	--	--
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					

LABORATORY NAME: York Labs LAB I.D. 641002
CASE NO.: 20890-641 CLIENT I.D. MW-1

ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

000021

CAS NUMBER	COMPOUND NAME	FRAC-TION	RT (MIN)	SCAN	ESTIMATED CONCEN-TRATION (ug/L)
1 79005	Ethane,1,1,2-trichloro-	BNA	3.63	172	11
2 --	unknown	BNA	11.03	883	22
3 --	unknown	BNA	11.34	913	15
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					

LABORATORY NAME: York Labs LAB I.D. 641003
CASE NO.: 20890-641 CLIENT I.D. MW-4

000022

ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CAS NUMBER	COMPOUND NAME	FRAC-TION	RT (MIN)	SCAN	ESTIMATED CONCENTRATION (ug/L)
1 79005	Ethane,1,1,2-trichloro-	BNA	3.62	180	11
2 --	unknown	BNA	6.11	419	14
3 79345	Ethane,1,1,2,2-tetrachloro-	BNA	6.72	478	13
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					

CLIENT SESI
 JOB NO. 20890-641

WATER

EPA PRIORITY POLLUTANTS
 PESTICIDES/PCB's
ug/L

000023

Dilution Factor (DF)	1.00	1.03	1.00	1.05		Lower Limits of Detection (LLD) with no Dilution*
Method Blank I.D.	DFB08-071A-006	DFB08-071A-006	DFB08-071A-006	DFB08-071A-006		
Client I.D.	PBLK1A	MW-5	MW-1	MW-4		
Compound	QC-0632P	641001	641002	641003		
alpha BHC	U	U	U	U		0.02
beta BHC	U	U	U	U		0.02
gamma BHC	U	U	U	U		0.02
delta BHC	U	U	U	U		0.02
Heptachlor	U	U	U	U		0.02
Aldrin	U	U	U	U		0.02
4,4' DDE	U	U	U	U		0.04
Dieldrin	U	U	U	U		0.04
4,4' DDD	U	U	U	U		0.05
Endrin Aldehyde	U	U	U	U		0.05
4,4' DDT	U	U	U	U		0.10
Chlordane	U	U	U	U		0.20
Endosulfan I	U	U	U	U		0.04
Endosulfan II	U	U	U	U		0.05
Endosulfan Sulfate	U	U	U	U		0.05
Endrin	U	U	U	U		0.05
Heptachlor Epoxide	U	U	U	U		0.02
Toxaphene	U	U	U	U		0.50
Methoxychlor	U	U	U	U		0.50
PCB - 1016	U	U	U	U		0.80
PCB - 1221	U	U	U	U		0.80
PCB - 1232	U	U	U	U		0.80
PCB - 1242	U	U	U	U		0.80
PCB - 1248	U	U	U	U		0.80
PCB - 1254	U	U	U	U		0.80
PCB - 1260	U	U	U	1100		0.80

*MDL (Minimum Detection Limit) = LLD x DF

000024

CLIENT SESI
 JOB NO. 20890-584

WATER

EPA PRIORITY POLLUTANTS
 PCB's
 ug/l

<u>Dilution Factor (DF)</u>	<u>1.00</u>	<u>1.04</u>	<u>1.00</u>			<u>*Lower Limits of Detection</u>
	DFB07	DFB07	DFB07			
<u>Method Blank I.D.</u>	072B-010	072B-010	072B-010			<u>(LLD) with no Dilution</u>
<u>Client I.D.</u>	PBLK1A	MW-5/3/23	MW-5/3/27			
<u>Compound</u>	<u>Lab I.D.</u>					
	QC-0615P	584001	584003			
PCB - 1016	U	U	U			0.80
PCB - 1221	U	U	U			0.80
PCB - 1232	U	U	U			0.80
PCB - 1242	U	U	U			0.80
PCB - 1248	U	U	U			0.80
PCB - 1254	U	U	U			0.80
PCB - 1260	U	U	U			0.80

*MDL (Minimum Detection Limit) = LLD X DF

000025

CLIENT SESI
 JOB NO. 20890-615

WATER

EPA PRIORITY POLLUTANTS
 PCB's
ug/L

<u>Dilution Factor (DF)</u>	<u>1.00</u>	<u>1.03</u>	<u>1.05</u>			<u>Lower Limits of Detection (LLD) with no Dilution*</u>
<u>Method Blank I.D.</u>	DFB08-069B-015	DFB08-069B-015	DFB08-069B-015			
<u>Client I.D.</u>	PBLK1A	MW-5 (3/31)	MW-5 (4/4)			
<u>Compound</u> <u>Lab I.D.</u>	QC-0624P	615001	615005			
PCB - 1016	U	U	U			0.80
PCB - 1221	U	U	U			0.80
PCB - 1232	U	U	U			0.80
PCB - 1242	U	U	U			0.80
PCB - 1248	U	U	U			0.80
PCB - 1254	U	U	U			0.80
PCB - 1260	U	U	U			0.80

*MDL (Minimum Detection Limit) = LLD x DF

000026

CLIENT SESI
 JOB NO. 20890-640

WATER

EPA PRIORITY POLLUTANTS
 PCB's
 ug/l

<u>Dilution Factor (DF)</u>	<u>1.00</u>	<u>1.00</u>				<u>*Lower Limits of Detection (LLD) with no Dilution</u>
	DFB08	DFB08				
<u>Method Blank I.D.</u>	070A-006	070A-006				
<u>Client I.D.</u>	PBLK1A	MW-5				
<u>Compound</u>	<u>Lab I.D.</u>					
	QC-0626P	4/6/89 640002				
PCB - 1016	U	U				0.80
PCB - 1221	U	U				0.80
PCB - 1232	U	U				0.80
PCB - 1242	U	U				0.80
PCB - 1248	U	U				0.80
PCB - 1254	U	U				0.80
PCB - 1260	U	U				0.80

*MDL (Minimum Detection Limit) = LLD X DF

000027

CLIENT SESI
 JOB NO. 20890-641

WATER

EPA PRIORITY POLLUTANTS
 PCB's
 ug/l

<u>Dilution Factor (DF)</u>	<u>1.00</u>	<u>1.00</u>	<u>1.01</u>			<u>*Lower Limits of Detection</u>
	<u>DFB08</u>	<u>DFB08</u>	<u>DFB08</u>			
<u>Method Blank I.D.</u>	<u>070A-006</u>	<u>070A-006</u>	<u>070A-006</u>			<u>(LLD) with no Dilution</u>
<u>Client I.D.</u>	<u>PBLK1A</u>	<u>MW-3</u>	<u>MW-2</u>			
<u>Compound</u>	<u>QC-0626P</u>	<u>641004</u>	<u>641005</u>			
<u>Lab I.D.</u>						
PCB - 1016	U	U	U			0.80
PCB - 1221	U	U	U			0.80
PCB - 1232	U	U	U			0.80
PCB - 1242	U	U	U			0.80
PCB - 1248	U	U	U			0.80
PCB - 1254	U	U	U			0.80
PCB - 1260	U	37	U			0.80

*MDL (Minimum Detection Limit) = LLD X DF

000028

CLIENT SESI
 JOB NO. 20890-584

SOIL

EPA PRIORITY POLLUTANTS
 PCB's
 ug/kg (dry weight)

<u>Dilution Factor (DF)</u>	<u>1.00</u>	<u>13.16</u>				<u>Lower Limits* of Detection</u>
<u>Method Blank I.D.</u>	DFB07 072B- 016	DFB07 072B- 016				<u>(LLD) with no Dilution</u>
<u>Client I.D.</u>	PBLK1S	MW-2 5-7'				
<u>Compound</u>	<u>QC- 0616C</u>	<u>584002</u>				
PCB - 1016	U	U				53
PCB - 1221	U	U				53
PCB - 1232	U	U				53
PCB - 1242	U	U				53
PCB - 1248	U	U				53
PCB - 1254	U	U				53
PCB - 1260	U	U				53

*MDL (Minimum Detection Limit) = LLD X DF

000029

CLIENT
 JOB NO.

SESI

20890-615

SOIL

EPA PRIORITY POLLUTANTS
 PCB's
 ug/kg (dry weight)

<u>Dilution Factor (DF)</u>	<u>1.00</u>	<u>1.16</u>	<u>1.14</u>	<u>130</u>		<u>Lower Limits* of Detection</u>
<u>Method Blank I.D.</u>	DFB08 069B- 011	DFB08 069B- 011	DFB08 069B- 011	DFB08 069B- 011		<u>(LLD) with no Dilution</u>
<u>Client I.D.</u>	PBLK1S	B-1 (SS-2) 5-7'	MW-1 (SS-7) 12-14'	MW-3 (SS-3) 4-6'		
<u>Compound</u>	<u>QC- 0623P</u>	<u>615002</u>	<u>615003</u>	<u>615004</u>		
	<u>Lab I.D.</u>					
PCB - 1016	U	U	U	U		53
PCB - 1221	U	U	U	U		53
PCB - 1232	U	U	U	U		53
PCB - 1242	U	U	U	U		53
PCB - 1248	U	U	U	U		53
PCB - 1254	U	U	U	U		53
PCB - 1260	U	U	U	9300		53

*MDL (Minimum Detection Limit) = LLD X DF

000030

CLIENT SESI
 JOB NO. 20890-588

SOIL

EPA PRIORITY POLLUTANTS
 PCB's
 ug/kg (dry weight)

<u>Dilution Factor (DF)</u>	<u>1.00</u>	<u>7.35</u>				<u>Lower Limits* of Detection</u>
<u>Method Blank I.D.</u>	DFB07 072B- 016	DFB07 072B- 016				<u>(LLD) with no Dilution</u>
<u>Client I.D.</u>	PBLK1S	B-3/ SS-2 5-7'				
<u>Compound</u>	<u>Lab I.D.</u>	QC- 0616P	588001			
PCB - 1016		U	U			53
PCB - 1221		U	U			53
PCB - 1232		U	U			53
PCB - 1242		U	U			53
PCB - 1248		U	U			53
PCB - 1254		U	U			53
PCB - 1260		U	U			53

*MDL (Minimum Detection Limit) = LLD X DF

000031

CLIENT SESI
 JOB NO. 20890-640

SOIL

EPA PRIORITY POLLUTANTS
 PCB's
 ug/kg (dry weight)

<u>Dilution Factor (DF)</u>	<u>1.00</u>	<u>1.27</u>	<u>1.54</u>			<u>Lower Limits* of Detection</u>
	<u>DFB08</u>	<u>DFB08</u>	<u>DFB08</u>			
<u>Method Blank I.D.</u>	<u>070A- 016</u>	<u>070A- 016</u>	<u>070A- 016</u>			<u>(LLD) with no Dilution</u>
<u>Client I.D.</u>	<u>METHOD BLANK</u>	<u>B-5/ 6'-8'</u>	<u>B-2/ 5'-7'</u>			
<u>Compound</u>	<u>QC- 0625P</u>	<u>640001</u>	<u>640003</u>			
<u>Lab I.D.</u>						
<u>PCB - 1016</u>	<u>U</u>	<u>U</u>	<u>U</u>			<u>53</u>
<u>PCB - 1221</u>	<u>U</u>	<u>U</u>	<u>U</u>			<u>53</u>
<u>PCB - 1232</u>	<u>U</u>	<u>U</u>	<u>U</u>			<u>53</u>
<u>PCB - 1242</u>	<u>U</u>	<u>U</u>	<u>U</u>			<u>53</u>
<u>PCB - 1248</u>	<u>U</u>	<u>U</u>	<u>U</u>			<u>53</u>
<u>PCB - 1254</u>	<u>U</u>	<u>U</u>	<u>U</u>			<u>53</u>
<u>PCB - 1260</u>	<u>U</u>	<u>3400</u>	<u>164</u>			<u>53</u>

*MDL (Minimum Detection Limit) = LLD X DF

000032

Client: SESI
Job No: 20890-584

Total Petroleum Hydrocarbons
mg/kg

<u>Lab I.D.</u>	<u>Client I.D.</u>	<u>Results</u>
584002	MW-2 5'-'7	55
Method Blank		<10
Blank Spike (BS)		67% recovery
Blank Spike Duplicate (BSD)		58% recovery

000033

Client: SESI
Job No: 20890-588

Total Petroleum Hydrocarbons
mg/kg

<u>Lab I.D.</u>	<u>Client I.D.</u>	<u>Results</u>
588001	B-3/SS-2 5-7'	140
Lab Duplicate		77
Method Blank		<10
Blank Spike (BS)		67% recovery
Blank Spike Duplicate (BSD)		58% recovery

000034

Client: SESI
Job No: 20890-584

Total Petroleum Hydrocarbons
mg/l

<u>Lab I.D.</u>	<u>Client I.D.</u>	<u>Results</u>
584001	MW-5 3/23	<1.0
584003	MW-5 3/27	<1.0
Method Blank		<1.0
Blank Spike (BS)		57% recovery
Blank Spike Duplicate (BSD)		56% recovery

000035

Client: SESI
Job No: 20890-615

Total Petroleum Hydrocarbons
mg/l

<u>Lab I.D.</u>	<u>Client I.D.</u>	<u>Results</u>
615001	MW-5 (3/31)	<1.0
615005	MW-5 (4/4)	<1.0
Method Blank		<1.0
Blank Spike (BS)		74% recovery
Blank Spike Duplicate (BSD)		64% recovery

000036

CLIENT: SESI
JOB NO: 20890-640

TOTAL PETROLEUM HYDROCARBONS
mg/l

<u>Lab I.D.</u>	<u>Client I.D.</u>	<u>Results</u>
640002	MW-5	<1.0
Method Blank		<1.0
Blank Spike (BS)		71% Recovery
Blank Spike Duplicate (BSD)		63% Recovery

000037

CLIENT: SESI
JOB NO: 20890-641

TOTAL PETROLEUM HYDROCARBONS
mg/l

<u>Lab I.D.</u>	<u>Client I.D.</u>	<u>Results</u>
641001	MW-5	<1.0
641004	MW-3	<1.0
641005	MW-2	<1.0
Method Blank		<1.0
Blank Spike (BS)		76% Recovery

000038

Client: SESI
Job No: 20890-578

Total Petroleum Hydrocarbons
mg/kg

<u>Lab I.D.</u>	<u>Client I.D.</u>	<u>Results</u>
578001	MW-4 6.5-7	2000
Method Blank		<10
Blank Spike (BS)		67% recovery
Blank Spike Duplicate (BSD)		58% recovery

000039

Client: SESI
Job No: 20890-615

Total Petroleum Hydrocarbons
mg/kg

<u>Lab I.D.</u>	<u>Client I.D.</u>	<u>Results</u>
615002	B-1 (SS-2) 5-7'	<10
615003	MW-1 (SS-7) 12-14'	<10
615004	MW-3 (SS-3) 4-6'	5500
Method Blank		<10
Blank Spike (BS)		61% recovery
Blank Spike Duplicate (BSD)		57% recovery

000040

CLIENT: SESI
JOB NO: 20890-640

TOTAL PETROLEUM HYDROCARBONS
mg/kg (dry weight)

<u>Lab I.D.</u>	<u>Client I.D.</u>	<u>Results</u>
640001	B-5/6-8'	3200
640003	B-2/5-7'	72
Method Blank		50% Recovery
Blank Spike		57% Recovery
Blank Spike Duplicate		

000041

CLIENT: SESI
 JOB NO: 20890-584

Water

Inorganic Data Summary
 ug/L

Lab I.D. Client I.D.	584001 MW-5 3/23	584003 MW-5 3/27			MDL ¹
<u>Analyte</u>					
Antimony	<60	<60			60
Arsenic	<10	<10			10
Beryllium	<5.0	<5.0			5.0
Cadmium	<5.0	<5.0			5.0
Chromium	<10	<10			10
Copper	<25	<25			25
Lead	<5.0	<5.0			5.0
Mercury	<0.2	<0.2			0.2
Nickel	<40	<40			40
Selenium	<5.0	<5.0			5.0
Silver	<10	<10			10
Thallium	<10	<10			10
Zinc	<20	<20			20

MDL¹ - Method Detection Limit

000042

CLIENT: SESI
 JOB NO: 20890-615

Water

Inorganic Data Summary
 ug/L

Lab I.D. Client I.D.	615001 MW5 (3/31)	615005 MW5 (4/4)			MDL ¹
<u>Analyte</u>					
Antimony	<60	<60			60
Arsenic	<10	<10			10
Beryllium	<5.0	<5.0			5.0
Cadmium	<5.0	<5.0			5.0
Chromium	<10	<10			10
Copper	<25	<25			25
Lead	<5.0	6.2			5.0
Mercury	<0.2	<0.2			0.2
Nickel	<40	<40			40
Selenium	<5.0	<5.0			5.0
Silver	<10	<10			10
Thallium	<10	<10			10
Zinc	<20	<20			20

MDL¹ - Method Detection Limit

000043

CLIENT: SESI
JOB NO: 20890-640

Water

Inorganic Data Summary
ug/L

Lab I.D. Client I.D.	640002 MW-5				<u>MDL¹</u>
<u>Analyte</u>					
Antimony	<60				60
Arsenic	<10				10
Beryllium	<5.0				5.0
Cadmium	<5.0				5.0
Chromium	<10				10
Copper	<25				25
Lead	<5.0				5.0
Mercury	<0.2				0.2
Nickel	<40				40
Selenium	<5.0				5.0
Silver	<10				10
Thallium	<10				10
Zinc	<20				20

MDL¹ - Method Detection Limit

000044

CLIENT: SESI
 JOB NO: 20890-641

Water

Inorganic Data Summary
 ug/L

Lab I.D. Client I.D.	641001 MW-5	641002 MW-1	641003 MW-4	641004 MW-3	641005 MW-2
<u>Analyte</u>					
Antimony	<60	<60	<60	<60	<60
Arsenic	<10	<10	12.9	35.1	<10
Beryllium	<5.0	<5.0	<5.0	<5.0	<5.0
Cadmium	<5.0	<5.0	<5.0	<5.0	<5.0
Chromium	<10	10.9	<10	14.6	<10
Copper	<25	<25	78.7	43.5	<25
Lead	<5.0	<5.0	44.2	185	245
Mercury	<0.2	<0.2	<0.2	<0.2	<0.2
Nickel	<40	<40	<40	<40	<40
Selenium	<5.0	<5.0	<5.0	<5.0	<5.0
Silver	<10	<10	<10	<10	<10
Thallium	<10	<10	*<50	<10	<10
Zinc	<20	<20	141	124	<20
Cyanide	<10	<10	<10	NR ₁	NR
Phenols	8.51	<5	<5	NR	NR

*5 x dilution due to low analytical spike recovery
 NR₁ - Not Requested

000045

CLIENT: SESI
JOB NO: 20890-641

Water

Inorganic Data Summary
ug/L

Lab I.D. Client I.D.	<u>MDL₁</u>				
<u>Analyte</u>					
Antimony	60				
Arsenic	10				
Beryllium	5.0				
Cadmium	5.0				
Chromium	10				
Copper	25				
Lead	5.0				
Mercury	0.2				
Nickel	40				
Selenium	5.0				
Silver	10				
Thallium	10				
Zinc	20				
Cyanide	10				
Phenols	5				

MDL¹ - Method Detection Limit

CLIENT: SESI
JOB NO: 20890-578

Soil

000046

Inorganic Data Summary
mg/kg (dry weight)

Lab I.D. Client I.D.	578001 MW4 6.5-7				<u>MDL¹</u>
<u>Analyte</u>					
Antimony	<2.4				2.0
Arsenic	2.7				1.0
Beryllium	<0.6				0.5
Cadmium	<0.6				0.5
Chromium	18				1.0
Copper	26				2.5
Lead	29				6.0
Mercury	<0.1				0.1
Nickel	14				4.0
Selenium	<0.6				0.5
Silver	<1.2				1.0
Thallium	<1.2				1.0
Zinc	75				2.0

MDL¹ - Method Detection Limit

CLIENT: SESI
JOB NO: 20890-584

Soil

000047

Inorganic Data Summary
mg/kg (dry weight)

Lab I.D. Client I.D.	584002 MW-2 5-7'				<u>MDL¹</u>
<u>Analyte</u>					
Antimony	<2.6				2.0
Arsenic	20				1.0
Beryllium	<0.65				0.5
Cadmium	0.82				0.5
Chromium	24				1.0
Copper	29				2.5
Lead	142				6.0
Mercury	0.25				0.1
Nickel	16				4.0
Selenium	1.8				0.5
Silver	<1.3				1.0
Thallium	<1.3				1.0
Zinc	66				2.0

MDL¹ - Method Detection Limit

000048

CLIENT: SESI
 JOB NO: 20890-588

Soil

Inorganic Data Summary
 mg/kg (dry weight)

Lab I.D. Client I.D.	588001 B-3/SS-2 5-7'				<u>MDL¹</u>
<u>Analyte</u>					
Antimony	<2.9				2.0
Arsenic	12				1.0
Beryllium	<0.73				0.5
Cadmium	<0.73				0.5
Chromium	3.3				1.0
Copper	6.8				2.5
Lead	10				6.0
Mercury	<0.1				0.1
Nickel	<5.9				4.0
Selenium	<0.73				0.5
Silver	<1.5				1.0
Thallium	<1.5				1.0
Zinc	<2.9				2.0

MDL¹ - Method Detection Limit

000049

CLIENT: SESI
 JOB NO: 20890-615

Soil

Inorganic Data Summary
 mg/kg (dry weight)

Lab I.D. Client I.D.	615002 B-1 5-7'	615003 MW1 12-14'	615004 MW3 4-6'		MDL ¹
<u>Analyte</u>					
Antimony	<2.32	<2.27	<2.53		2.0
Arsenic	<1.16	1.81	6.68		1.0
Beryllium	<0.58	<0.57	<0.63		0.5
Cadmium	<0.58	0.93	<0.63		0.5
Chromium	15.8	26.2	11.5		1.0
Copper	12.6	12.6	22.4		2.5
Lead	<7.0	<6.8	35.7		6.0
Mercury	<0.11	<0.11	<0.13		0.1
Nickel	13.7	15.9	14.5		4.0
Selenium	<0.58	<0.57	<0.63		0.5
Silver	<1.2	<1.1	<1.3		1.0
Thallium	<1.2	<1.1	<1.3		1.0
Zinc	15.5	24.8	49.7		2.0

MDL¹ - Method Detection Limit

000050

CLIENT: SESI
 JOB NO: 20890-640

Soil

Inorganic Data Summary
 mg/kg (dry weight)

Lab I.D. Client I.D.	640001 B-5/6-8	640003 B-2 5-7			<u>MDL¹</u>
<u>Analyte</u>					
Antimony	2.93	<3.08			2.0
Arsenic	10.2	7.67			1.0
Beryllium	<0.62	<0.15			0.5
Cadmium	<0.63	5.72			0.5
Chromium	37.7	25.5			1.0
Copper	4180	114			2.5
Lead	505	1610			6.0
Mercury	<0.13	3.16			0.1
Nickel	68.0	23.4			4.0
Selenium	<0.63	2.66			0.5
Silver	<1.3	<1.5			1.0
Thallium	<1.3	<1.5			1.0
Zinc	127	1160			2.0

MDL¹ - Method Detection Limit

000051

APPENDIX

1. Chain-of-Custody
2. Laboratory Services Request
3. Laboratory Chronicle
4. Method Blank Summary
5. Surrogate Recoveries
6. Matrix Spike/Matrix Spike Duplicate Summary
7. Total Ion Chromatogram(s) and Chromatogram(s)

CHAIN OF CUSTODY

000052



PURCHASE ORDER # _____

Client: SESI Project: BOLIN, COLLEGE PT. Sampling Date/Time: 3/23/89 ^{12:00}
 Deliverable: (Please Circle) - Normal/4 Wks, 3 Wks, 2 Wks, RUSH 1 Wk, Other
 Report Format: (Please Circle) Data Summaries Only, Tier II, Tier I, CLP
 Report To: DOUGLAS JONES Billed To: _____
 (If Different) _____

20890-577/578

# of Containers	<u>2</u>			
York Sample #	<u>001</u>			
Site I.D.	<u>MW-4 S-2</u> <u>6-7</u>			
Matrix	<u>Soil</u>			
PARAMETERS				
PP + 40				
PP VOA +15	<u>✓ (normal turn)</u>		<u>20890-578</u>	
MISC. VOA				
TCL VOA +10				
PP BNA +25				
PP BN +15				
PP AE +10				
MISC. BNA				
TCL BNA +20				
PAH				
PP Pest/PCB's				
TCL Pest/PCB's				
PCB's	<u>✓ (1 day turnaround)</u>		<u>York Lab # 20890-577</u>	
PP Metals	<u>✓ (normal turn)</u>		<u>20890-578</u>	
TAL Metals				
Cyanide				
Phenols				
(PHC) Petro. Hydro.	<u>✓ (Normal turn)</u>		<u>20890-578</u>	
RCRA/E.P.Tox:				
(Define)				
OTHER:				

Proper Preservatives? (Yes/No)

IMPORTANT: Please note any hazardous components of samples if known.

Was protective gear worn in the field? (Please Circle) Yes/No

Samples By: Douglas Jones Signed: Douglas Jones Date/Time: 3/24/89

CUSTODY TRANSFERRED:

Name: Cross Signed: Carol R. Ray Date/Time: 3/24/89 1530

000053

CHAIN OF CUSTODY



PURCHASE ORDER # _____

Client: SEST Project: Miss Development Sampling Date/Time: Monday 3/27/89
 Deliverable: (Please Circle) - Normal/4 Wks, 3 Wks, 2 Wks, RUSH 1 Wk, Other
 Report Format: (Please Circle) - Data Summaries Only, Tier II, Tier I, CLP
 Report To: Douglas Jones Billed To: _____
 (If Different) _____

20890-584

# of Containers	3	2	3		
York Sample #	001	002	003		
Site I.D.	MW-5	MW-2	MW-5		
Matrix	Aq ^{3/28} _{2L}	Soil	Aq ^{3/27}		
PARAMETERS					
PP + 40					
PP VOA +15	✓				
MISC. VOA	✓				
TCL VOA +10					
PP BNA +25					
PP BN +15					
PP AE +10					
MISC. BNA					
TCL BNA +20					
PAH					
PP Pest/PCB's					
TCL Pest/PCB's					
PCB's	✓	✓	✓		
PP Metals	✓	✓	✓		
TAL Metals					
Cyanide					
Phenols					
(PHC) Petro. Hydro.	✓	✓	✓		
RCRA/E.P.Tox: (Define)					
OTHER: Composite		✓			

Proper Preservatives? (Yes/No) _____
 IMPORTANT: Please note any hazardous components of samples if known.

Was protective gear worn in the field? (Please Circle) (Yes)/No

Samples By: Douglas Jones Signed: Douglas Jones Date/Time: 3/27/89

CUSTODY TRANSFERRED:
 Name: Cross Signed: Carrie R. Ross Date/Time: 3/27/89 17:20

000054

CHAIN OF CUSTODY



PURCHASE ORDER # 4147

Client: SKS1 Project: Mass Dev/College Pt. Sampling Date/Time: 3-28/89/12:30
 Deliverable: (Please Circle) - Normal/4 Wks, 3 Wks, 2 Wks, RUSH 1 WK, Other
 Report Format: (Please Circle) - Data Summaries Only, Tier II, Tier I, CLP
 Report To: SKS1 Billed To: _____
 (If Different) _____

20890-588

# of Containers	<u>1</u>				
York Sample #	<u>001</u>				
Site I.D.	<u>B2/S-7/5-7</u>				
Matrix	<u>Soil</u>				
PARAMETERS					
PP + 40					
PP VOA +15					
MISC. VOA					
TCL VOA +10					
PP BNA +25					
PP BN +15					
PP AE +10					
MISC. BNA					
TCL BNA +20					
PAH					
PP Pest/PCB's					
TCL Pest/PCB's					
PCB's	<u>✓</u>				
PP Metals					
TAL Metals					
Cyanide					
Phenols					
(PHC) Petro. Hydro.	<u>✓</u>				
RCRA/E.P.Tox:					
(Define)					
OTHER:					

Proper Preservatives? (Yes/No)

IMPORTANT: Please note any hazardous components of samples if known.

Was protective gear worn in the field? (Please Circle) Yes/No

Samples By: Doug Jones Signed: Douglas Jones Date/Time: 3-28/89/11:30

CUSTODY TRANSFERRED:

Name: Cross Signed: Carla Ross Date/Time: 3/28/89 18:15

000055

CHAIN OF CUSTODY

PURCHASE ORDER # 4147



YORK LABORATORIES

A DIVISION OF YMC

Client: MWD/SES1 Project: MWD/H-1143 Sampling Date/Time: 4/4/89
 Deliverable: (Please Circle) - Normal 4 Wks, 3 Wks, 2 Wks, RUSH 1 Wk, Other
 Report Format: (Please Circle) - Data Summaries Only, Tier II, Tier I, CLP
 Report To: SES1 Billed To: _____
 (If Different) _____

20890-615

# of Containers	<u>3 (3-3)</u>	<u>1 (3-3)</u>	<u>1 (3-3)</u>	<u>1 (4-3)</u>	<u>3 (4-4)</u>
York Sample #	<u>001</u>	<u>002</u>	<u>003</u>	<u>004</u>	<u>005</u>
Site I.D.	<u>MW-5</u>	<u>B-1/S-2@5'-7'</u>	<u>MW-1/S-7@12'-14'</u>	<u>MW-3/S-30-4'</u>	<u>MW-5</u>
Matrix	<u>Aqueous</u>	<u>Soil</u>	<u>Soil</u>	<u>Soil</u>	<u>Aqueous</u>
PARAMETERS					
PP + 40					
PP VOA +15					
MISC. VOA					
TCL VOA +10					
PP BNA +25					
PP BN +15					
PP AE +10					
MISC. BNA					
TCL BNA +20					
PAH					
PP Pest/PCB's					
TCL Pest/PCB's					
PCB's	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PP Metals	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
TAL Metals					
Cyanide					
Phenols					
(PHC) Petro. Hydro.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
RCRA/E.P.Tox:					
(Define)					
OTHER:					

Proper Preservatives? (Yes/No)

IMPORTANT: Please note any hazardous components of samples if known.

Gasoline or Diesel Fuel in MW-3/S-3

Was protective gear worn in the field? (Please Circle) (Yes/No)

Samples By: Douglas Jones Signed: Douglas Jones Date/Time: 4/4/89 17:30

CUSTODY TRANSFERRED:

Name: Jackie Harner Signed: Jackie Harner Date/Time: 4/4/89 18:20
Cross Carrie R. Bus 4/4/89 18:20

CHAIN OF CUSTODY

000056



PURCHASE ORDER # 4147

Client: CESI Project: Misc. Dev. A-1143 Sampling Date/Time: 4/17/11:00
 Deliverable: (Please Circle) - Normal/4 Wks, 3 Wks, 2 Wks, RUSH 1 Wk, Other
 Report Format: (Please Circle) - Data Summaries Only, Tier II, Tier I, CLP
 Report To: CESI Billed To: _____
 (If Different) _____

20890-640

# of Containers	1	4	1		
York Sample #	001	002	003		
Site I.D.	B-5/SS-406'-8'	MU-5	B-2/SS-205'-7'		
Matrix	Soil	Ag	Soil		
PARAMETERS					
PP + 40					
PP VOA +15					
MISC. VOA					
TCL VOA +10					
PP BNA +25					
PP BN +15					
PP AE +10					
MISC. BNA					
TCL BNA +20					
PAH					
PP Pest/PCB's					
TCL Pest/PCB's					
PCB's	✓	✓(1)	✓		
PP Metals	✓	✓(1)	✓		
TAL Metals					
Cyanide					
Phenols					
(PHC) Petro. Hydro.	✓	✓(2)	✓		
RCRA/E.P.Tox:					
(Define)					
OTHER:					

Proper Preservatives? (Yes/No)

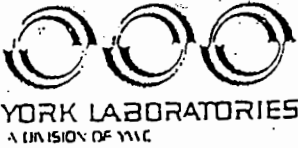
IMPORTANT: Please note any hazardous components of samples if known.

Was protective gear worn in the field? (Please Circle) (Yes/No)

Samples By: Doug Jones Signed: Doug Jones Date/Time: 4/10/89

CUSTODY TRANSFERRED:

Name: Keir Price Signed: Keir Price Date/Time: 4/10/89 1025



PURCHASE ORDER # 4147

Client: SES Project: Mud Dev #1142 Sampling Date/Time: 4-10-89/13:00
 Deliverable: (Please Circle) - Normal/4 Wks, 3 Wks, 2 Wks, RUSH 1 Wk, Other
 Report Format: (Please Circle) - Data Summaries Only, Tier II, Tier I, CLP
 Report To: SES Billed To: _____
 (If Different) _____

20890-641

# of Containers	10	9	9	6	6
York Sample #	001	002	003	004	005
Site I.D.	MW-5	MW-1	MW-4	MW-3	MW-2
Matrix	Aquifer	Aquifer	Aquifer	Aquifer	Aquifer
PARAMETERS					
PP + 40	✓	✓	✓		
PP VOA +15				✓	✓
MISC. VOA					
TCL VOA +10					
PP BNA +25					
PP BN +15					
PP AE +10					
MISC. BNA					
TCL BNA +20					
PAH					
PP Pest/PCB's					
TCL Pest/PCB's					
PCB's				✓	✓
PP Metals				✓	✓
TAL Metals					
Cyanide					
Phenols					
(PHC) Petro. Hydro.	✓ (i)			✓ (i)	✓ (i)
RCRA/E.P.Tox: (Define)					
OTHER:					

Proper Preservatives? (Yes/No)

IMPORTANT: Please note any hazardous components of samples if known.

Was protective gear worn in the field? (Please Circle) Yes/No

Samples By: Doug Jones Signed: Doug Jones Date/Time: 4-10/89 17:00

CUSTODY TRANSFERRED:
 Name: Ross Signed: Gene R. Ross Date/Time: 4/10/89 17:00

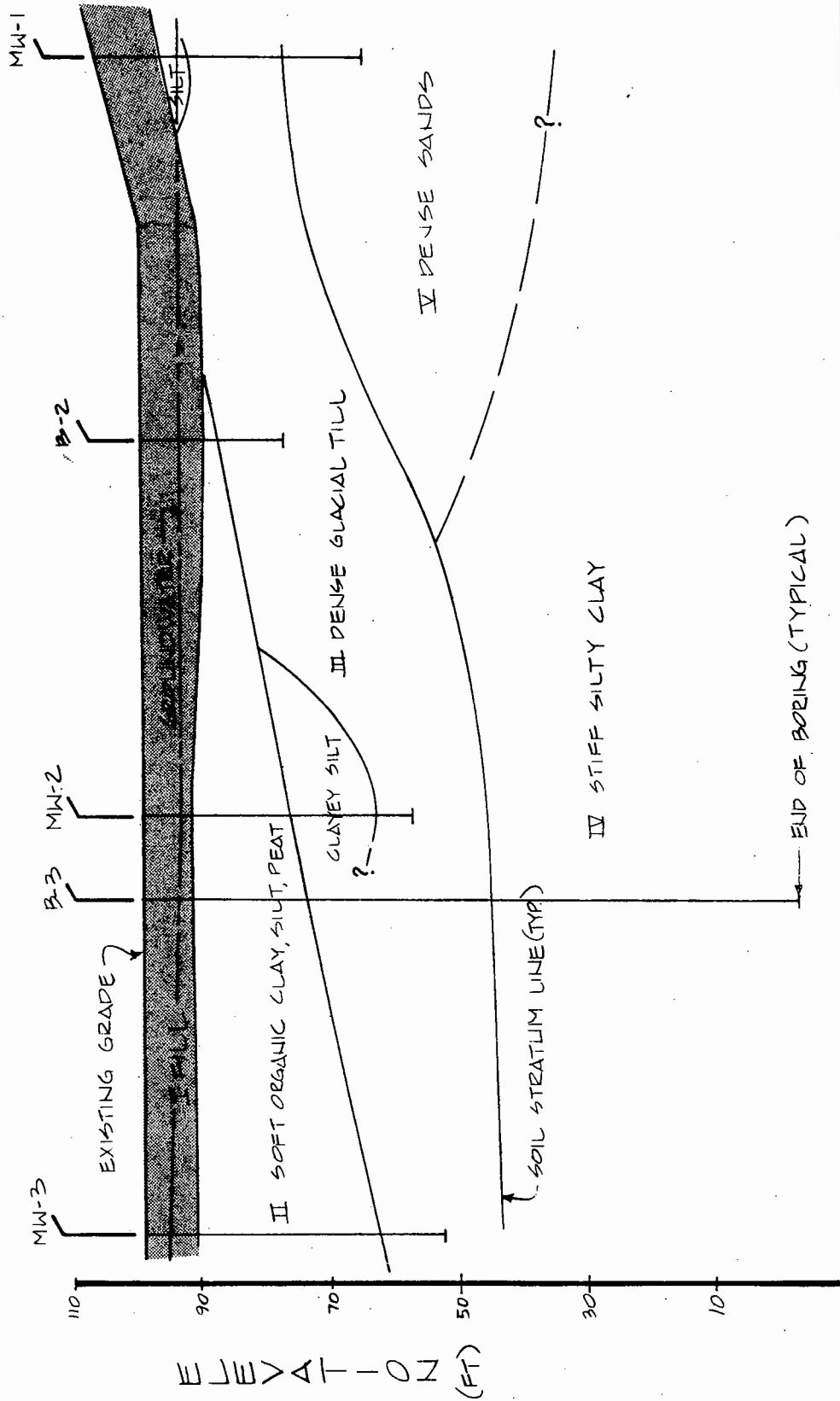


FIGURE 3,

drawn by: MSP
checked by: CFZ
scale: H: 1" = 100' V: 1" = 20'
date: 6-7-89
job no: 1143

MISS DEVELOPMENT CORP.
FORMER CON-ED FACILITY
QUEENS, NEW YORK
GENERALIZED GEOLOGIC
PROFILE THROUGH SITE

environmental
land development
soils & foundations
CONSULTING ENGINEERS

20 Troy Road Whippany, N.J. 07981 201-887-1200

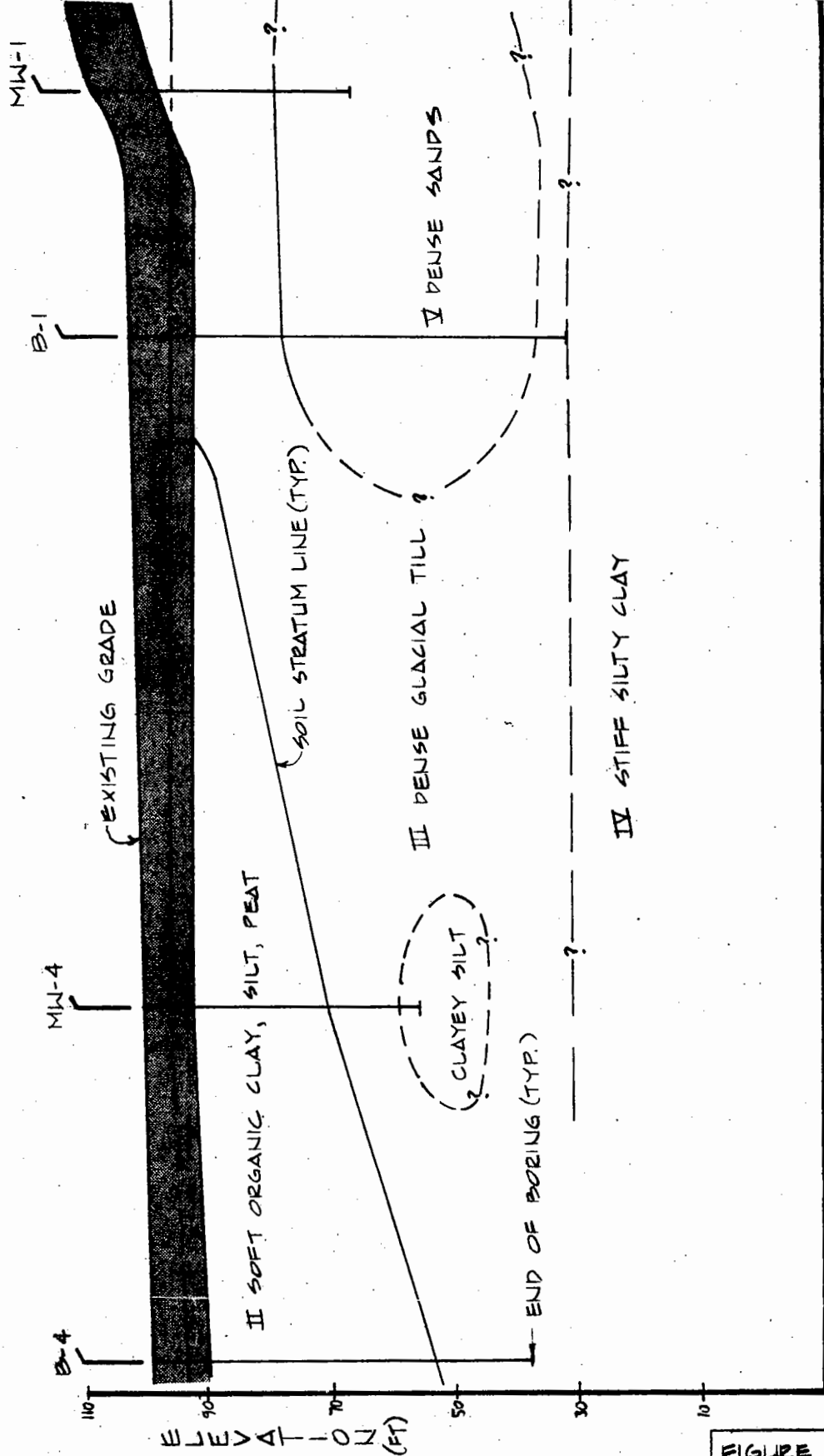


FIGURE 4
 drawn by: MSP
 checked by: CFZ
 scale: H: 1"=100'
 V: 1"=20'
 date: 6-7-89
 job no: 1143

MUSS DEVELOPMENT CORP.
 FORMER CON-ED FACILITY
 QUEENS, NEW YORK
**GENERALIZED GEOLOGIC
 PROFILE THROUGH SITE**



environmental
 land development
 soils & foundations
CONSULTING ENGINEERS

20 Troy Road Whippany, N.J. 07981 201-887-1200

R.S. KNAPP CO., INC.

APPENDIX C
Soil Testing (December 1999)

December 30, 1999

TEL: 212/696-0670
FAX: 212/447-5546

Mark A. Chertok, Esq.
Sive, Paget & Riesel, P.C.
460 Park Avenue, 10th Floor
New York, New York 10022

**RE: Results of Soil Testing - Former Con Edison Facility
College Point Boulevard and 40th Road, Flushing, New York**

Dear Mark:

AKRF, Inc. is pleased to submit this letter report documenting the soil sampling completed at the above-referenced facility. Due to the results of previous sampling indicating soil contamination with PCBs and the site's history which included storage of transformer oils, soil sampling at the locations shown in Figure 1 was completed. The sampling grid was biased towards the areas of known PCB contamination with relatively fewer samples at the eastern end of the site where little or no contamination was anticipated.

METHODOLOGY

Between December 10 and 14, 1999, twenty five borings were extended, using a truck mounted rotary drill rig, approximately 2 feet into the peat layer (where present). At each boring location, soil samples were obtained by a steel, 24-inch long, 3-inch diameter split-spoon sampler that was driven through the subsurface levels ahead of a hollow-stem (6-1/4 inch diameter) auger that bored into the soil to the desired sampling depth.

To avoid contamination and cross-contamination of samples, all sampling equipment was cleaned before collection of each sample. The procedure used was that of the United States Environmental Protection Agency (EPA) Region II, as published in the New Jersey Department of Environmental Protection and Energy's *Field Sampling Procedures Manual*, May 1992. Sample containers were properly sealed, labeled, and placed in a refrigeration unit at a temperature of approximately 4°C for transport to the laboratory. A record of each sample, including notation of any odors, color, or sample matrix, was kept in the sampler's field log book. A chain of custody was maintained throughout the field sampling, transport of samples to the laboratory (Amercian Analytical Laboratories of Farmingdale, New York), and during lab analysis. This laboratory is certified by the New York State Department of Health (NYS DOH) and operates a QA/QC program that consists of proper laboratory practices (including the required chain-of-custody), an internal quality control program, and external quality control audits by the appropriate New York State agencies. Sample containerization, preservation techniques, holding times, and detection limits for the soil and groundwater samples were as stipulated by the NYSDEC ASP. All samples were analyzed for PCBs by EPA Method 8081.

RESULTS

Sixty five soil samples were collected using a split-spoon sampler in the following two foot intervals:

- a. immediately below the surface concrete/asphalt;
- b. straddling the groundwater interface; and
- c. straddling the fill/peat interface.

However, at 10 of the 25 locations only two samples were collected. At locations B-1 through B-4, this was because no peat layer was encountered, while at locations B-5, B-6, B-7 and B-18, b. and c. represented the same interval. At B-12 and B-23 no sample was recovered from the split spoon at the groundwater interface. Sampling depths and summary PCB results are shown in Table 1. Complete laboratory data are contained in Attachment A.

It is notable that only PCB-aroclors 1260 and 1016 were detected. Furthermore, aroclor 1016 was only detected at four locations (B-11, B-17, B-23 and B-24) and then always with aroclor 1260 present. Since regulatory levels are in terms of Total PCBs, Table 1 and the comparisons below use total PCB levels.

Comparison to Regulatory Levels**Hazardous Waste**

Of the 65 samples, six met or exceeded the 50,000 ppb total PCBs level used by NYSDEC (and EPA under its TSCA program) to define hazardous waste. These six samples were found at the following four locations: B-11 (both 2-4 and 4-6 feet); B-17 (both 0.5-2.5 and 8-10 feet); B-22 (5 to 7 feet); and B-24 (4-6 feet). As can be seen in Figure 1, B-11 is the location closest to the existing transformer oil tanks. B-17 is near the garage building where there was formerly a storage area (see historical aerial photographs in Attachment B). There is no visible storage near B-22 or B-24 in any of the aerial photographs obtained.

New York State Recommended Cleanup Objectives

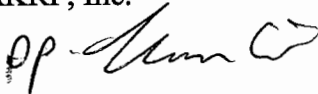
Of the remaining 59 samples which do not meet the hazardous waste criterion, 23 are considered surface samples, i.e., they include soils less than two feet in depth and the remaining 36 are considered subsurface samples. NYSDEC's Technical and Administrative Guidance Memorandum (TAGM) 4046 provides recommended cleanup objectives (RCO) of 1,000 ppb for surface soils and 10,000 ppb for subsurface soils.

Surface Soils - Of the 23 non-hazardous surface samples, 14 exceeded the 1,000 ppb RCO. The easternmost five locations (B-1 through B-4, B-6) showed no exceedances. Similarly B-9, B-13, B-18 and B-20 were below the RCO. All other locations exceeded the RCO.

Subsurface Soils - Of the 36 non-hazardous subsurface samples, only two exceeded the 10,000 ppb RCO. These were: the 4 to 6 foot interval at B-17 (the samples above and below exceeded 50,000 ppb); and the groundwater interface samples (4 to 6 feet) at B-21.

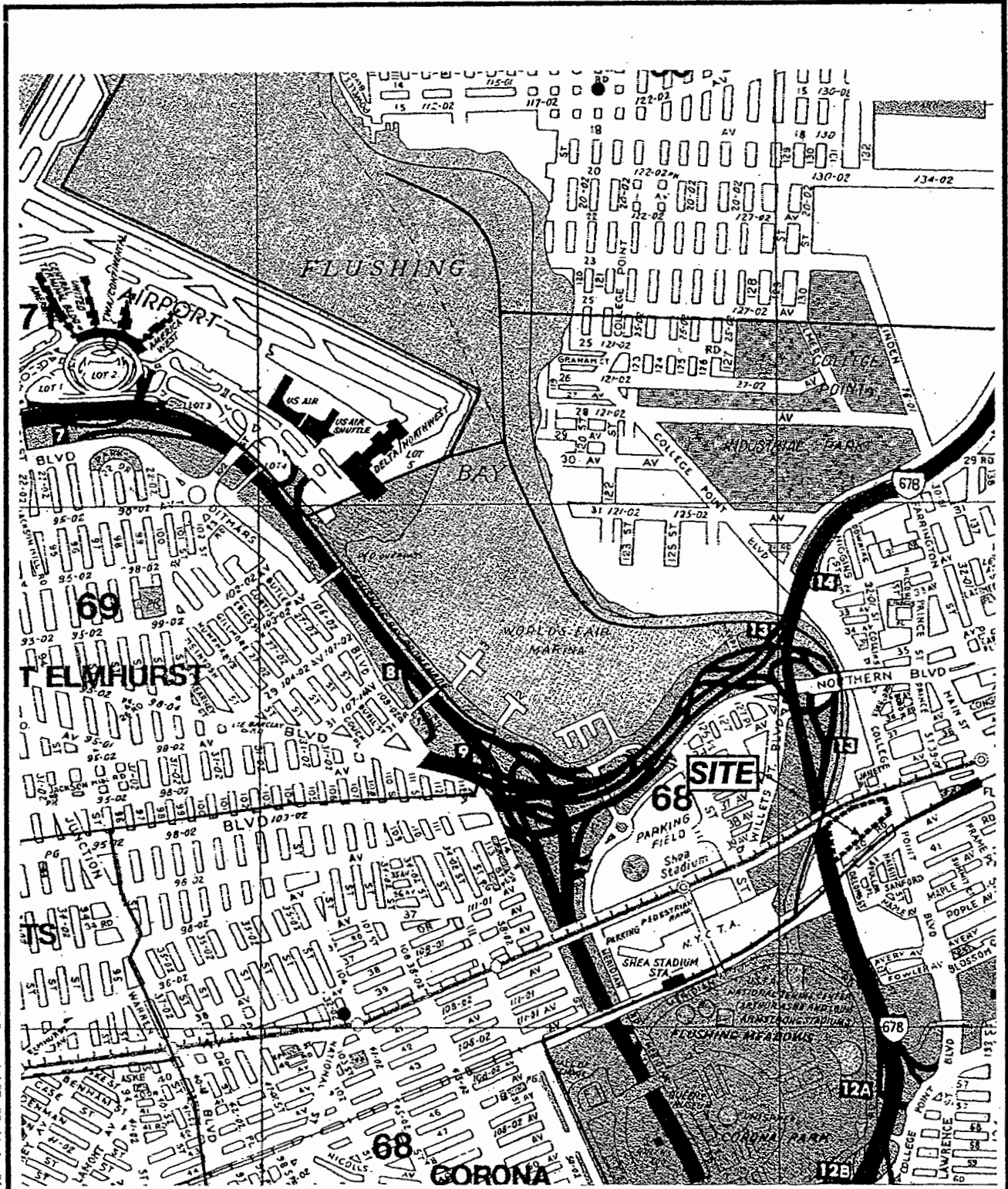
Please call me at (212) 340-9713 or Marcus Simons at (212) 340-9790 if you have any questions.

Sincerely,
AKRF, Inc.

A handwritten signature in black ink, appearing to read "AF Fleming" with a stylized flourish at the end.

Arnold F. Fleming, P.E.
Senior Vice President

MS:C:\Files\MUSS\flushing report1.doc



C:\pawson\12\12111\12111\12111\12111.dwg

MUSS DEVELOPMENT SITE
College Point Blvd.
Queens, New York

SITE & SURROUNDING AREA

AKRF, Inc.

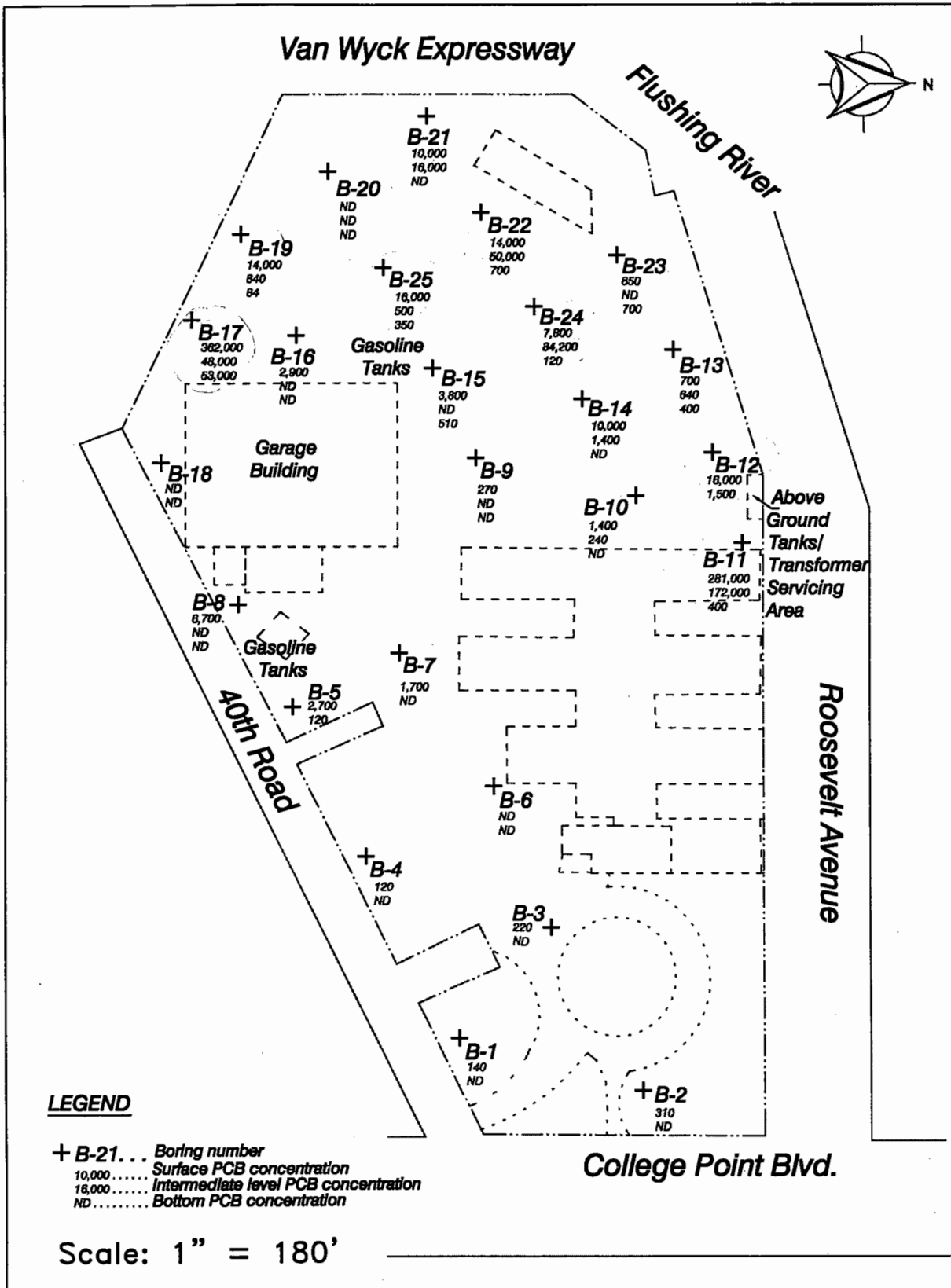
Environmental Consultants
117 East 29 Street New York, N.Y. 10016

DATE
5/1/00

PROJECT No.
30141-0002

FIGURE No.

1



CollegePointBlvd/12/28/99/MSDC/Muss Development college point.dwg

MUSS DEVELOPMENT SITE
 College Point Blvd.
 Queens, New York

SOIL BORINGS

AKRF, Inc.

Environmental Consultants
 117 East 29 Street New York, N.Y. 10018

DATE
 12/28/99

PROJECT No.
 30141-0001

FIGURE No.

1

Table 1 - Soil PCB Levels

LOCATION	DEPTH (feet)	PCB		TOTAL PCBs (ppb)	REGULATORY EXCEEDANCE	LOCATION	DEPTH (feet)	PCB		TOTAL PCBs (ppb)	REGULATORY EXCEEDANCES
		1016	1260					1016	1260		
B-1	0.5 to 10	2.5 to 12	140	140	140 --	B-15	0.5 to 4	2.5 to 6	3,800	3,800	TAGM Surface
B-2	0.5 to 11	2.5 to 13	310	310	nd --	B-16	0.5 to 5	2.5 to 7	2,900	2,900	TAGM Surface
B-3	0.5 to 6	2.5 to 8	220	220	nd --	B-17	0.5 to 4	2.5 to 6	22,000	340,000	362,000 TSCA
B-4	0.5 to 6	2.5 to 8	120	120	nd --	B-18	0.5 to 5	2.5 to 7	1,300	47,000	48,300 TAGM Subsurface
B-5	0.5 to 7	2.5 to 9	2,700	2,700	TAGM Surface	B-19	0.5 to 4	2.5 to 6	14,000	14,000	TAGM Surface
B-6	0.5 to 5	2.5 to 7	nd	nd	nd --	B-20	4 to 8	6 to 10	840	840	--
B-7	0.5 to 5	2.5 to 7	1,700	1,700	TAGM Surface	B-21	0.5 to 4	2.5 to 6	10,000	10,000	TAGM Surface
B-8	1 to 5	3 to 7	6,700	6,700	TAGM Surface	B-22	4 to 8	6 to 10	16,000	16,000	TAGM Subsurface
B-9	0.5 to 4	2.5 to 5	270	270	--	B-23	0.5 to 10	2.5 to 12	14,000	14,000	TAGM Surface
B-10	1 to 4	3 to 6	1,400	1,400	TAGM Surface	B-24	0.5 to 4	2.5 to 6	7,800	7,800	TAGM Surface
B-11	2 to 4	4 to 6	270,000	281,000	TSCA	B-25	0.5 to 5	2.5 to 7	16,000	16,000	TAGM Surface
B-12	4 to 8	6 to 10	160,000	172,000	TSCA		5 to 10	7 to 12	50,000	50,000	TSCA
B-13	0.5 to 4	2.5 to 6	16,000	16,970	TAGM Surface		10 to 10	12 to 12	700	700	--
B-14	1 to 4	3 to 6	10,000	10,000	TAGM Surface		0.5 to 10	2.5 to 14	16,000	16,000	TAGM Surface
	4 to 10	6 to 12	1,400	1,400	--		0.5 to 8	2.5 to 10	7,800	7,800	TAGM Surface
	10 to 12	12 to 12	nd	nd	--		4 to 8	6 to 10	82,000	84,200	TSCA
							8 to 10	10 to 12	120	120	--
							0.5 to 10	2.5 to 12	16,000	16,000	TAGM Surface
							5 to 10	7 to 12	500	500	--
							10 to 12	12 to 12	350	350	--

Legend

TSCA - 50,000 ppb State/Federal Hazardous Waste Level

TAGM Surface - 1,000 ppb TAGM 4046 State Recommended Cleanup Objective for Surface Soils

TAGM Subsurface - 10,000 ppb TAGM 4046 State Recommended Cleanup Objective for Subsurface Soils

**ATTACHMENT A
LABORATORY DATA**



NYSDOH ELAP 11418
AIHA PAT, LPAT 102391
CTDOH PH-0205

Client: AKRF, Inc.	Client ID: Muss Flushing Queens (B-1 [0.5-2.5'])
Date received: 12/13/99	Laboratory ID: 9916921
Date extracted: 12/13/99	Matrix: Soil
Date analyzed: 12/14/99	Contractor: 11418

EPA METHOD 8082 AROCLORS

PARAMETER	CAS No.	RESULT ug/kg
AROCLOR-1016	12674-11-2	<80
AROCLOR-1221	1104-28-2	<80
AROCLOR-1232	11141-16-5	<80
AROCLOR-1242	53469-21-9	<80
AROCLOR-1248	12672-29-6	<80
AROCLOR-1254	11097-69-1	<80
AROCLOR-1260	11096-82-5	140

Lou Bayer

Laboratory Director



NYSDOH
AIHA
CTDOH

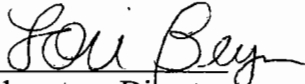
ELAP
PAT, LPAT
PH-0205

11418
102391

Client: AKRF, Inc.	Client ID: Muss Flushing Queens (B-1 [10-12'])
Date received: 12/13/99	Laboratory ID: 9916922
Date extracted: 12/13/99	Matrix: Soil
Date analyzed: 12/14/99	Contractor: 11418

EPA METHOD 8082 AROCLORS

PARAMETER	CAS No.	RESULT ug/kg
AROCLOR-1016	12674-11-2	<80
AROCLOR-1221	1104-28-2	<80
AROCLOR-1232	11141-16-5	<80
AROCLOR-1242	53469-21-9	<80
AROCLOR-1248	12672-29-6	<80
AROCLOR-1254	11097-69-1	<80
AROCLOR-1260	11096-82-5	<80


Laboratory Director

Client: AKRF, Inc.	Client ID: Muss Flushing Queens (B-2 [0.5-2.5'])
Date received: 12/13/99	Laboratory ID: 9916923
Date extracted: 12/13/99	Matrix: Soil
Date analyzed: 12/14/99	Contractor: 11418

EPA METHOD 8082 AROCLORS

PARAMETER	CAS No.	RESULT ug/kg
AROCLOR-1016	12674-11-2	<80
AROCLOR-1221	1104-28-2	<80
AROCLOR-1232	11141-16-5	<80
AROCLOR-1242	53469-21-9	<80
AROCLOR-1248	12672-29-6	<80
AROCLOR-1254	11097-69-1	<80
AROCLOR-1260	11096-82-5	310


Laboratory Director

Client: AKRF, Inc.	Client ID: Muss Flushing Queens (B-2 [11-13'])
Date received: 12/13/99	Laboratory ID: 9916924
Date extracted: 12/13/99	Matrix: Soil
Date analyzed: 12/14/99	Contractor: 11418

EPA METHOD 8082 AROCLORS

PARAMETER	CAS No.	RESULT ug/kg
AROCLOR-1016	12674-11-2	<80
AROCLOR-1221	1104-28-2	<80
AROCLOR-1232	11141-16-5	<80
AROCLOR-1242	53469-21-9	<80
AROCLOR-1248	12672-29-6	<80
AROCLOR-1254	11097-69-1	<80
AROCLOR-1260	11096-82-5	<80

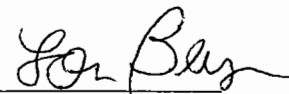


Laboratory Director

Client: AKRF, Inc.	Client ID: Muss Flushing Queens (B-3 [0.5-2.5'])
Date received: 12/13/99	Laboratory ID: 9916919
Date extracted: 12/13/99	Matrix: Soil
Date analyzed: 12/14/99	Contractor: 11418

EPA METHOD 8082 AROCLORS

PARAMETER	CAS No.	RESULT ug/kg
AROCLOR-1016	12674-11-2	<80
AROCLOR-1221	1104-28-2	<80
AROCLOR-1232	11141-16-5	<80
AROCLOR-1242	53469-21-9	<80
AROCLOR-1248	12672-29-6	<80
AROCLOR-1254	11097-69-1	<80
AROCLOR-1260	11096-82-5	220

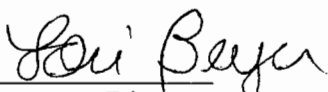


Laboratory Director

Client: AKRF, Inc.	Client ID: Muss Flushing Queens (B-3 [6-8'])
Date received: 12/13/99	Laboratory ID: 9916920
Date extracted: 12/13/99	Matrix: Soil
Date analyzed: 12/14/99	Contractor: 11418

EPA METHOD 8082 AROCLORS

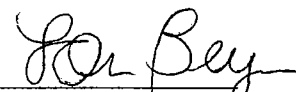
PARAMETER	CAS No.	RESULT ug/kg
AROCLOR-1016	12674-11-2	<80
AROCLOR-1221	1104-28-2	<80
AROCLOR-1232	11141-16-5	<80
AROCLOR-1242	53469-21-9	<80
AROCLOR-1248	12672-29-6	<80
AROCLOR-1254	11097-69-1	<80
AROCLOR-1260	11096-82-5	<80


Laboratory Director

Client: AKRF, Inc.	Client ID: Muss Flushing Queens (B-4 [0.5-2.5'])
Date received: 12/13/99	Laboratory ID: 9916927
Date extracted: 12/13/99	Matrix: Soil
Date analyzed: 12/14/99	Contractor: 11418

EPA METHOD 8082 AROCLORS

PARAMETER	CAS No.	RESULT ug/kg
AROCLOR-1016	12674-11-2	<80
AROCLOR-1221	1104-28-2	<80
AROCLOR-1232	11141-16-5	<80
AROCLOR-1242	53469-21-9	<80
AROCLOR-1248	12672-29-6	<80
AROCLOR-1254	11097-69-1	<80
AROCLOR-1260	11096-82-5	120

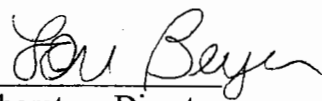


Laboratory Director

Client: AKRF, Inc.	Client ID: Muss Flushing Queens (B-4 [6-8'])
Date received: 12/13/99	Laboratory ID: 9916928
Date extracted: 12/13/99	Matrix: Soil
Date analyzed: 12/14/99	Contractor: 11418

EPA METHOD 8082 AROCLORS

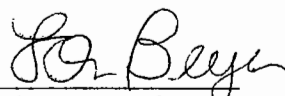
PARAMETER	CAS No.	RESULT ug/kg
AROCLOR-1016	12674-11-2	<80
AROCLOR-1221	1104-28-2	<80
AROCLOR-1232	11141-16-5	<80
AROCLOR-1242	53469-21-9	<80
AROCLOR-1248	12672-29-6	<80
AROCLOR-1254	11097-69-1	<80
AROCLOR-1260	11096-82-5	<80


Laboratory Director

Client: AKRF, Inc.	Client ID: Muss Flushing Queens (B-5 [0.5-2.5'])
Date received: 12/13/99	Laboratory ID: 9916929
Date extracted: 12/13/99	Matrix: Soil
Date analyzed: 12/14/99	Contractor: 11418

EPA METHOD 8082 AROCLORS

PARAMETER	CAS No.	RESULT ug/kg
AROCLOR-1016	12674-11-2	<80
AROCLOR-1221	1104-28-2	<80
AROCLOR-1232	11141-16-5	<80
AROCLOR-1242	53469-21-9	<80
AROCLOR-1248	12672-29-6	<80
AROCLOR-1254	11097-69-1	<80
AROCLOR-1260	11096-82-5	2,700


Laboratory Director



NYSDOH
AIHA
CTDOH

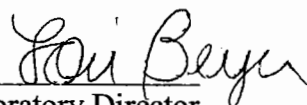
ELAP
PAT, LPAT
PH-0205

11418
102391

Client: AKRF, Inc.	Client ID: Muss Flushing Queens (B-5 [7-9'])
Date received: 12/13/99	Laboratory ID: 9916930
Date extracted: 12/13/99	Matrix: Soil
Date analyzed: 12/14/99	Contractor: 11418

EPA METHOD 8082 AROCLORS

PARAMETER	CAS No.	RESULT ug/kg
AROCLOR-1016	12674-11-2	<80
AROCLOR-1221	1104-28-2	<80
AROCLOR-1232	11141-16-5	<80
AROCLOR-1242	53469-21-9	<80
AROCLOR-1248	12672-29-6	<80
AROCLOR-1254	11097-69-1	<80
AROCLOR-1260	11096-82-5	120


Laboratory Director



NYSDOH
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PAT, LPAT
PH-0205

11418
102391

Client: AKRF, Inc.	Client ID: Muss Flushing Queens (B-6 [0.5-2.5'])
Date received: 12/13/99	Laboratory ID: 9916925
Date extracted: 12/13/99	Matrix: Soil
Date analyzed: 12/14/99	Contractor: 11418

EPA METHOD 8082 AROCLORS

PARAMETER	CAS No.	RESULT ug/kg
AROCLOR-1016	12674-11-2	<80
AROCLOR-1221	1104-28-2	<80
AROCLOR-1232	11141-16-5	<80
AROCLOR-1242	53469-21-9	<80
AROCLOR-1248	12672-29-6	<80
AROCLOR-1254	11097-69-1	<80
AROCLOR-1260	11096-82-5	<80

Laboratory Director

Client: AKRF, Inc.	Client ID: Muss Flushing Queens (B-6 [5-7'])
Date received: 12/13/99	Laboratory ID: 9916926
Date extracted: 12/13/99	Matrix: Soil
Date analyzed: 12/14/99	Contractor: 11418

EPA METHOD 8082 AROCLORS

PARAMETER	CAS No.	RESULT ug/kg
AROCLOR-1016	12674-11-2	<80
AROCLOR-1221	1104-28-2	<80
AROCLOR-1232	11141-16-5	<80
AROCLOR-1242	53469-21-9	<80
AROCLOR-1248	12672-29-6	<80
AROCLOR-1254	11097-69-1	<80
AROCLOR-1260	11096-82-5	<80


Laboratory Director

Client: AKRF, Inc.	Client ID: Muss Flushing Queens (B-7 [0.5-2.5'])
Date received: 12/13/99	Laboratory ID: 9916931
Date extracted: 12/14/99	Matrix: Soil
Date analyzed: 12/14/99	Contractor: 11418

EPA METHOD 8082 AROCLORS

PARAMETER	CAS No.	RESULT ug/kg
AROCLOR-1016	12674-11-2	<80
AROCLOR-1221	1104-28-2	<80
AROCLOR-1232	11141-16-5	<80
AROCLOR-1242	53469-21-9	<80
AROCLOR-1248	12672-29-6	<80
AROCLOR-1254	11097-69-1	<80
AROCLOR-1260	11096-82-5	1,700


Laboratory Director



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PH-0205

11418
102391

Client: AKRF, Inc.	Client ID: Muss Flushing Queens (B-7 [5-7'])
Date received: 12/13/99	Laboratory ID: 9916932
Date extracted: 12/14/99	Matrix: Soil
Date analyzed: 12/14/99	Contractor: 11418

EPA METHOD 8082 AROCLORS

PARAMETER	CAS No.	RESULT ug/kg
AROCLOR-1016	12674-11-2	<80
AROCLOR-1221	1104-28-2	<80
AROCLOR-1232	11141-16-5	<80
AROCLOR-1242	53469-21-9	<80
AROCLOR-1248	12672-29-6	<80
AROCLOR-1254	11097-69-1	<80
AROCLOR-1260	11096-82-5	<80


Laboratory Director

Client: AKRF, Inc.	Client ID: Muss Flushing Queens (B-8 [1-3'])
Date received: 12/14/99	Laboratory ID: 9917003
Date extracted: 12/15/99	Matrix: Soil
Date analyzed: 12/18/99, 12/20/99	Contractor: 11418

EPA METHOD 8082 AROCLORS

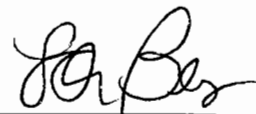
PARAMETER	CAS No.	RESULT ug/kg
AROCLOR-1016	12674-11-2	<80
AROCLOR-1221	1104-28-2	<80
AROCLOR-1232	11141-16-5	<80
AROCLOR-1242	53469-21-9	<80
AROCLOR-1248	12672-29-6	<80
AROCLOR-1254	11097-69-1	<80
AROCLOR-1260	11096-82-5	6,700


Laboratory Director

Client: AKRF, Inc.	Client ID: Muss Flushing Queens (B-8 [5-7'])
Date received: 12/14/99	Laboratory ID: 9917004
Date extracted: 12/15/99	Matrix: Soil
Date analyzed: 12/18/99	Contractor: 11418

EPA METHOD 8082 AROCLORS

PARAMETER	CAS No.	RESULT ug/kg
AROCLOR-1016	12674-11-2	<80
AROCLOR-1221	1104-28-2	<80
AROCLOR-1232	11141-16-5	<80
AROCLOR-1242	53469-21-9	<80
AROCLOR-1248	12672-29-6	<80
AROCLOR-1254	11097-69-1	<80
AROCLOR-1260	11096-82-5	<80



Laboratory Director



NYSDOH
AIHA
CTDOH

ELAP
PAT, LPAT
PH-0205

11418
102391

Client: AKRF, Inc.	Client ID: Muss Flushing Queens (B-8 [8-10'])
Date received: 12/14/99	Laboratory ID: 9917005
Date extracted: 12/15/99	Matrix: Soil
Date analyzed: 12/17/99	Contractor: 11418

EPA METHOD 8082 AROCLORS

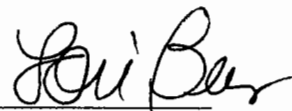
PARAMETER	CAS No.	RESULT ug/kg
AROCLOR-1016	12674-11-2	<80
AROCLOR-1221	1104-28-2	<80
AROCLOR-1232	11141-16-5	<80
AROCLOR-1242	53469-21-9	<80
AROCLOR-1248	12672-29-6	<80
AROCLOR-1254	11097-69-1	<80
AROCLOR-1260	11096-82-5	<80

Laboratory Director

Client: AKRF, Inc.	Client ID: Muss Flushing Queens (B-9 [0.5-2.5'])
Date received: 12/14/99	Laboratory ID: 9916997
Date extracted: 12/15/99	Matrix: Soil
Date analyzed: 12/17/99	Contractor: 11418

EPA METHOD 8082 AROCLORS

PARAMETER	CAS No.	RESULT ug/kg
AROCLOR-1016	12674-11-2	<80
AROCLOR-1221	1104-28-2	<80
AROCLOR-1232	11141-16-5	<80
AROCLOR-1242	53469-21-9	<80
AROCLOR-1248	12672-29-6	<80
AROCLOR-1254	11097-69-1	<80
AROCLOR-1260	11096-82-5	270



Laboratory Director



NYSDOH
AIHA
CTDOH

ELAP
PAT, LPAT
PH-0205

11418
102391

Client: AKRF, Inc.	Client ID: Muss Flushing Queens B-9 [4-5'(I)]
Date received: 12/14/99	Laboratory ID: 9916998
Date extracted: 12/15/99	Matrix: Soil
Date analyzed: 12/17/99	Contractor: 11418

EPA METHOD 8082 AROCLORS

PARAMETER	CAS No.	RESULT ug/kg
AROCLOR-1016	12674-11-2	<80
AROCLOR-1221	1104-28-2	<80
AROCLOR-1232	11141-16-5	<80
AROCLOR-1242	53469-21-9	<80
AROCLOR-1248	12672-29-6	<80
AROCLOR-1254	11097-69-1	<80
AROCLOR-1260	11096-82-5	<80


Laboratory Director

Client: AKRF, Inc.	Client ID: Muss Flushing Queens (B-9 [8-10'])
Date received: 12/14/99	Laboratory ID: 9916999
Date extracted: 12/15/99	Matrix: Soil
Date analyzed: 12/18/99	Contractor: 11418

EPA METHOD 8082 AROCLORS

PARAMETER	CAS No.	RESULT ug/kg
AROCLOR-1016	12674-11-2	<80
AROCLOR-1221	1104-28-2	<80
AROCLOR-1232	11141-16-5	<80
AROCLOR-1242	53469-21-9	<80
AROCLOR-1248	12672-29-6	<80
AROCLOR-1254	11097-69-1	<80
AROCLOR-1260	11096-82-5	<80

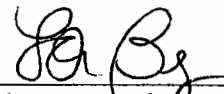


Laboratory Director

Client: AKRF, Inc.	Client ID: Muss Flushing Queens (B-10 [1-3'])
Date received: 12/13/99	Laboratory ID: 9916942
Date extracted: 12/14/99	Matrix: Soil
Date analyzed: 12/15/99	Contractor: 11418

EPA METHOD 8082 AROCLORS

PARAMETER	CAS No.	RESULT ug/kg
AROCLOR-1016	12674-11-2	<80
AROCLOR-1221	1104-28-2	<80
AROCLOR-1232	11141-16-5	<80
AROCLOR-1242	53469-21-9	<80
AROCLOR-1248	12672-29-6	<80
AROCLOR-1254	11097-69-1	<80
AROCLOR-1260	11096-82-5	1,400



Laboratory Director

Client: AKRF, Inc.	Client ID: Muss Flushing Queens (B-10 [4-6'])
Date received: 12/13/99	Laboratory ID: 9916943
Date extracted: 12/14/99	Matrix: Soil
Date analyzed: 12/15/99	Contractor: 11418

EPA METHOD 8082 AROCLORS

PARAMETER	CAS No.	RESULT ug/kg
AROCLOR-1016	12674-11-2	<80
AROCLOR-1221	1104-28-2	<80
AROCLOR-1232	11141-16-5	<80
AROCLOR-1242	53469-21-9	<80
AROCLOR-1248	12672-29-6	<80
AROCLOR-1254	11097-69-1	<80
AROCLOR-1260	11096-82-5	240


Laboratory Director



NYSDOH ELAP 11418
AIHA PAT, LPAT 102391
CTDOH PH-0205

Client: AKRF, Inc.	Client ID: Muss Flushing Queens (B-10 [8-10'])
Date received: 12/13/99	Laboratory ID: 9916944
Date extracted: 12/14/99	Matrix: Soil
Date analyzed: 12/15/99	Contractor: 11418

EPA METHOD 8082 AROCLORS

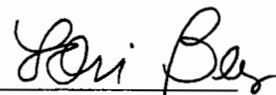
PARAMETER	CAS No.	RESULT ug/kg
AROCLOR-1016	12674-11-2	<80
AROCLOR-1221	1104-28-2	<80
AROCLOR-1232	11141-16-5	<80
AROCLOR-1242	53469-21-9	<80
AROCLOR-1248	12672-29-6	<80
AROCLOR-1254	11097-69-1	<80
AROCLOR-1260	11096-82-5	<80


Laboratory Director

Client: AKRF, Inc.	Client ID: Muss Flushing Queens (B-11 [2-4'])
Date received: 12/14/99	Laboratory ID: 9917000
Date extracted: 12/15/99	Matrix: Soil
Date analyzed: 12/18/99, 12/20/99	Contractor: 11418

EPA METHOD 8082 AROCLORS

PARAMETER	CAS No.	RESULT ug/kg
AROCLOR-1016	12674-11-2	11000
AROCLOR-1221	1104-28-2	<80
AROCLOR-1232	11141-16-5	<80
AROCLOR-1242	53469-21-9	<80
AROCLOR-1248	12672-29-6	<80
AROCLOR-1254	11097-69-1	<80
AROCLOR-1260	11096-82-5	270,000


Laboratory Director

Client: AKRF, Inc.	Client ID: Muss Flushing Queens (B-11 [4-6'])
Date received: 12/14/99	Laboratory ID: 9917001
Date extracted: 12/15/99	Matrix: Soil
Date analyzed: 12/17/99, 12/20/99	Contractor: 11418

EPA METHOD 8082 AROCLORS

PARAMETER	CAS No.	RESULT ug/kg
AROCLOR-1016	12674-11-2	12000
AROCLOR-1221	1104-28-2	<80
AROCLOR-1232	11141-16-5	<80
AROCLOR-1242	53469-21-9	<80
AROCLOR-1248	12672-29-6	<80
AROCLOR-1254	11097-69-1	<80
AROCLOR-1260	11096-82-5	160,000

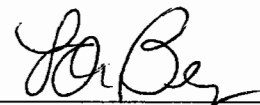


Laboratory Director

Client: AKRF, Inc.	Client ID: Muss Flushing Queens (B-11- [8-10'])
Date received: 12/14/99	Laboratory ID: 9917002
Date extracted: 12/15/99	Matrix: Soil
Date analyzed: 12/17/99	Contractor: 11418

EPA METHOD 8082 AROCLORS

PARAMETER	CAS No.	RESULT ug/kg
AROCLOR-1016	12674-11-2	<80
AROCLOR-1221	1104-28-2	<80
AROCLOR-1232	11141-16-5	<80
AROCLOR-1242	53469-21-9	<80
AROCLOR-1248	12672-29-6	<80
AROCLOR-1254	11097-69-1	<80
AROCLOR-1260	11096-82-5	400




Laboratory Director

Client: AKRF, Inc.	Client ID: Muss Flushing Queens (B-12 [8-10'])
Date received: 12/13/99	Laboratory ID: 9916946
Date extracted: 12/14/99	Matrix: Soil
Date analyzed: 12/15/99	Contractor: 11418

EPA METHOD 8082 AROCLORS

PARAMETER	CAS No.	RESULT ug/kg
AROCLOR-1016	12674-11-2	<80
AROCLOR-1221	1104-28-2	<80
AROCLOR-1232	11141-16-5	<80
AROCLOR-1242	53469-21-9	<80
AROCLOR-1248	12672-29-6	<80
AROCLOR-1254	11097-69-1	<80
AROCLOR-1260	11096-82-5	1,500



Laboratory Director



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PH-0205

11418
102391

Client: AKRF, Inc.	Client ID: Muss Flushing Queens (B-12 [0.5-2.5'])
Date received: 12/13/99	Laboratory ID: 9916945
Date extracted: 12/14/99	Matrix: Soil
Date analyzed: 12/15/99-12/16/99	Contractor: 11418

EPA METHOD 8082 AROCLORS

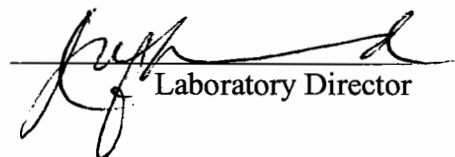
PARAMETER	CAS No.	RESULT ug/kg
AROCLOR-1016	12674-11-2	970
AROCLOR-1221	1104-28-2	<80
AROCLOR-1232	11141-16-5	<80
AROCLOR-1242	53469-21-9	<80
AROCLOR-1248	12672-29-6	<80
AROCLOR-1254	11097-69-1	<80
AROCLOR-1260	11096-82-5	16,000

Laboratory Director

Client: AKRF, Inc.	Client ID: Muss Flushing Queens (B-13 [0.5-2.5'])
Date received: 12/13/99	Laboratory ID: 9916961
Date extracted: 12/14/99	Matrix: Soil
Date analyzed: 12/16/99	Contractor: 11418

EPA METHOD 8082 AROCLORS

PARAMETER	CAS No.	RESULT ug/kg
AROCLOR-1016	12674-11-2	<80
AROCLOR-1221	1104-28-2	<80
AROCLOR-1232	11141-16-5	<80
AROCLOR-1242	53469-21-9	<80
AROCLOR-1248	12672-29-6	<80
AROCLOR-1254	11097-69-1	<80
AROCLOR-1260	11096-82-5	700


Laboratory Director



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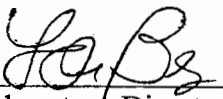
ELAP
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11418
102391

Client: AKRF, Inc.	Client ID: Muss Flushing Queens (B-13[4-6'])
Date received: 12/13/99	Laboratory ID: 9916962
Date extracted: 12/15/99	Matrix: Soil
Date analyzed: 12/17/99	Contractor: 11418

EPA METHOD 8082 AROCLORS

PARAMETER	CAS No.	RESULT ug/kg
AROCLOR-1016	12674-11-2	<80
AROCLOR-1221	1104-28-2	<80
AROCLOR-1232	11141-16-5	<80
AROCLOR-1242	53469-21-9	<80
AROCLOR-1248	12672-29-6	<80
AROCLOR-1254	11097-69-1	<80
AROCLOR-1260	11096-82-5	640


Laboratory Director



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11418
102391

Client: AKRF, Inc.	Client ID: Muss Flushing Queens (B-13 [10-12'])
Date received: 12/13/99	Laboratory ID: 9916963
Date extracted: 12/15/99	Matrix: Soil
Date analyzed: 12/17/99	Contractor: 11418

EPA METHOD 8082 AROCLORS

PARAMETER	CAS No.	RESULT ug/kg
AROCLOR-1016	12674-11-2	210
AROCLOR-1221	1104-28-2	<80
AROCLOR-1232	11141-16-5	<80
AROCLOR-1242	53469-21-9	<80
AROCLOR-1248	12672-29-6	<80
AROCLOR-1254	11097-69-1	<80
AROCLOR-1260	11096-82-5	190

Laboratory Director



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11418
102391

Client: AKRF, Inc.	Client ID: Muss Flushing Queens (B-14 [1-3'])
Date received: 12/14/99	Laboratory ID: 9916994
Date extracted: 12/15/99	Matrix: Soil
Date analyzed: 12/17/99, 12/20/99	Contractor: 11418

EPA METHOD 8082 AROCLORS

PARAMETER	CAS No.	RESULT ug/kg
AROCLOR-1016	12674-11-2	<80
AROCLOR-1221	1104-28-2	<80
AROCLOR-1232	11141-16-5	<80
AROCLOR-1242	53469-21-9	<80
AROCLOR-1248	12672-29-6	<80
AROCLOR-1254	11097-69-1	<80
AROCLOR-1260	11096-82-5	10,000


Laboratory Director

Client: AKRF, Inc.	Client ID: Muss Flushing Queens (B-14 [4-6'])
Date received: 12/14/99	Laboratory ID: 9916995
Date extracted: 12/15/99	Matrix: Soil
Date analyzed: 12/17/99	Contractor: 11418

EPA METHOD 8082 AROCLORS

PARAMETER	CAS No.	RESULT ug/kg
AROCLOR-1016	12674-11-2	<80
AROCLOR-1221	1104-28-2	<80
AROCLOR-1232	11141-16-5	<80
AROCLOR-1242	53469-21-9	<80
AROCLOR-1248	12672-29-6	<80
AROCLOR-1254	11097-69-1	<80
AROCLOR-1260	11096-82-5	1,400


Laboratory Director



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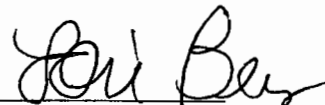
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11418
102391

Client: AKRF, Inc.	Client ID: Muss Flushing Queens (B-14 [10-12'])
Date received: 12/14/99	Laboratory ID: 9916996
Date extracted: 12/15/99	Matrix: Soil
Date analyzed: 12/17/99	Contractor: 11418

EPA METHOD 8082 AROCLORS

PARAMETER	CAS No.	RESULT ug/kg
AROCLOR-1016	12674-11-2	<80
AROCLOR-1221	1104-28-2	<80
AROCLOR-1232	11141-16-5	<80
AROCLOR-1242	53469-21-9	<80
AROCLOR-1248	12672-29-6	<80
AROCLOR-1254	11097-69-1	<80
AROCLOR-1260	11096-82-5	<80


Laboratory Director



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11418
102391

Client: AKRF, Inc.	Client ID: Muss Flushing Queens (B-15 [0.5-2.5])
Date received: 12/14/99	Laboratory ID: 9917006
Date extracted: 12/15/99	Matrix: Soil
Date analyzed: 12/17/99	Contractor: 11418

EPA METHOD 8082 AROCLORS

PARAMETER	CAS No.	RESULT ug/kg
AROCLOR-1016	12674-11-2	<80
AROCLOR-1221	1104-28-2	<80
AROCLOR-1232	11141-16-5	<80
AROCLOR-1242	53469-21-9	<80
AROCLOR-1248	12672-29-6	<80
AROCLOR-1254	11097-69-1	<80
AROCLOR-1260	11096-82-5	3,800

Laboratory Director




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Client: AKRF, Inc.	Client ID: Muss Flushing Queens (B-15 [4-6'])
Date received: 12/14/99	Laboratory ID: 9917007
Date extracted: 12/15/99	Matrix: Soil
Date analyzed: 12/17/99	Contractor: 11418

EPA METHOD 8082 AROCLORS

PARAMETER	CAS No.	RESULT ug/kg
AROCLOR-1016	12674-11-2	<80
AROCLOR-1221	1104-28-2	<80
AROCLOR-1232	11141-16-5	<80
AROCLOR-1242	53469-21-9	<80
AROCLOR-1248	12672-29-6	<80
AROCLOR-1254	11097-69-1	<80
AROCLOR-1260	11096-82-5	<80



Laboratory Director



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11418
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Client: AKRF, Inc.	Client ID: Muss Flushing Queens (B-15 [8-10'])
Date received: 12/14/99	Laboratory ID: 9917008
Date extracted: 12/15/99	Matrix: Soil
Date analyzed: 12/18/99	Contractor: 11418

EPA METHOD 8082 AROCLORS

PARAMETER	CAS No.	RESULT ug/kg
AROCLOR-1016	12674-11-2	<80
AROCLOR-1221	1104-28-2	<80
AROCLOR-1232	11141-16-5	<80
AROCLOR-1242	53469-21-9	<80
AROCLOR-1248	12672-29-6	<80
AROCLOR-1254	11097-69-1	<80
AROCLOR-1260	11096-82-5	510

Laboratory Director

Client: AKRF, Inc.	Client ID: Muss Flushing Queens (B-16 [0.5-2.5'])
Date received: 12/13/99	Laboratory ID: 9916933
Date extracted: 12/14/99	Matrix: Soil
Date analyzed: 12/14/99	Contractor: 11418

EPA METHOD 8082 AROCLORS

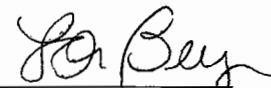
PARAMETER	CAS No.	RESULT ug/kg
AROCLOR-1016	12674-11-2	<80
AROCLOR-1221	1104-28-2	<80
AROCLOR-1232	11141-16-5	<80
AROCLOR-1242	53469-21-9	<80
AROCLOR-1248	12672-29-6	<80
AROCLOR-1254	11097-69-1	<80
AROCLOR-1260	11096-82-5	2,900


Laboratory Director

Client: AKRF, Inc.	Client ID: Muss Flushing Queens (B-16 [5-7'])
Date received: 12/13/99	Laboratory ID: 9916934
Date extracted: 12/14/99	Matrix: Soil
Date analyzed: 12/15/99	Contractor: 11418

EPA METHOD 8082 AROCLORS

PARAMETER	CAS No.	RESULT ug/kg
AROCLOR-1016	12674-11-2	<80
AROCLOR-1221	1104-28-2	<80
AROCLOR-1232	11141-16-5	<80
AROCLOR-1242	53469-21-9	<80
AROCLOR-1248	12672-29-6	<80
AROCLOR-1254	11097-69-1	<80
AROCLOR-1260	11096-82-5	<80



Laboratory Director

Client: AKRF, Inc.	Client ID: Muss Flushing Queens (B-16 [7-9'])
Date received: 12/13/99	Laboratory ID: 9916935
Date extracted: 12/14/99	Matrix: Soil
Date analyzed: 12/15/99	Contractor: 11418

EPA METHOD 8082 AROCLORS

PARAMETER	CAS No.	RESULT ug/kg
AROCLOR-1016	12674-11-2	<80
AROCLOR-1221	1104-28-2	<80
AROCLOR-1232	11141-16-5	<80
AROCLOR-1242	53469-21-9	<80
AROCLOR-1248	12672-29-6	<80
AROCLOR-1254	11097-69-1	<80
AROCLOR-1260	11096-82-5	<80


 Laboratory Director

Client: AKRF, Inc.	Client ID: Muss Flushing Queens (B-17 [0.5-2.5'])
Date received: 12/13/99	Laboratory ID: 9916956
Date extracted: 12/14/99	Matrix: Soil
Date analyzed: 12/16/99	Contractor: 11418

EPA METHOD 8082 AROCLORS

PARAMETER	CAS No.	RESULT ug/kg
AROCLOR-1016	12674-11-2	22000
AROCLOR-1221	1104-28-2	<80
AROCLOR-1232	11141-16-5	<80
AROCLOR-1242	53469-21-9	<80
AROCLOR-1248	12672-29-6	<80
AROCLOR-1254	11097-69-1	<80
AROCLOR-1260	11096-82-5	340,000

Laboratory Director



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11418
102391

Client: AKRF, Inc.	Client ID: Muss Flushing Queens (B-17 [4-6'])
Date received: 12/13/99	Laboratory ID: 9916957
Date extracted: 12/14/99	Matrix: Soil
Date analyzed: 12/16/99	Contractor: 11418

EPA METHOD 8082 AROCLORS

PARAMETER	CAS No.	RESULT ug/kg
AROCLOR-1016	12674-11-2	1300
AROCLOR-1221	1104-28-2	<80
AROCLOR-1232	11141-16-5	<80
AROCLOR-1242	53469-21-9	<80
AROCLOR-1248	12672-29-6	<80
AROCLOR-1254	11097-69-1	<80
AROCLOR-1260	11096-82-5	47,000

Laboratory Director

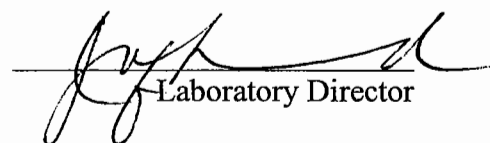


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AIHA PAT, LPAT 102391
CTDOH PH-0205

Client: AKRF, Inc.	Client ID: Muss Flushing Queens (B-17 [8-10'])
Date received: 12/13/99	Laboratory ID: 9916958
Date extracted: 12/14/99	Matrix: Soil
Date analyzed: 12/16/99	Contractor: 11418

EPA METHOD 8082 AROCLORS

PARAMETER	CAS No.	RESULT ug/kg
AROCLOR-1016	12674-11-2	<80
AROCLOR-1221	1104-28-2	<80
AROCLOR-1232	11141-16-5	<80
AROCLOR-1242	53469-21-9	<80
AROCLOR-1248	12672-29-6	<80
AROCLOR-1254	11097-69-1	<80
AROCLOR-1260	11096-82-5	53,000


Laboratory Director



NYSDOH
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CTDOH

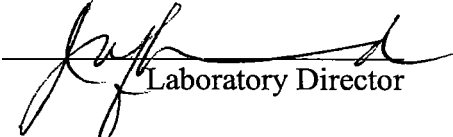
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PH-0205

11418
102391

Client: AKRF, Inc.	Client ID: Muss Flushing Queens (B-18 [0.5-2.5])
Date received: 12/13/99	Laboratory ID: 9916959
Date extracted: 12/14/99	Matrix: Soil
Date analyzed: 12/16/99	Contractor: 11418

EPA METHOD 8082 AROCLORS

PARAMETER	CAS No.	RESULT ug/kg
AROCLOR-1016	12674-11-2	<80
AROCLOR-1221	1104-28-2	<80
AROCLOR-1232	11141-16-5	<80
AROCLOR-1242	53469-21-9	<80
AROCLOR-1248	12672-29-6	<80
AROCLOR-1254	11097-69-1	<80
AROCLOR-1260	11096-82-5	<80


Laboratory Director

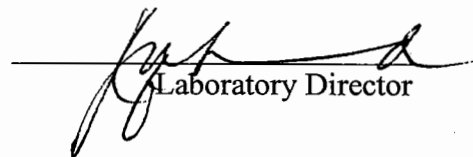


NYSDOH ELAP 11418
AIIA PAT, LPAT 102391
CTDOH PH-0205

Client: AKRF, Inc.	Client ID: Muss Flushing Queens (B-18 [5-7'])
Date received: 12/13/99	Laboratory ID: 9916960
Date extracted: 12/14/99	Matrix: Soil
Date analyzed: 12/17/99	Contractor: 11418

EPA METHOD 8082 AROCLORS

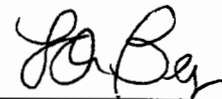
PARAMETER	CAS No.	RESULT ug/kg
AROCLOR-1016	12674-11-2	<80
AROCLOR-1221	1104-28-2	<80
AROCLOR-1232	11141-16-5	<80
AROCLOR-1242	53469-21-9	<80
AROCLOR-1248	12672-29-6	<80
AROCLOR-1254	11097-69-1	<80
AROCLOR-1260	11096-82-5	<80


Laboratory Director

Client: AKRF, Inc.	Client ID: Muss Flushing Queens (B-19 [0.5-2.5'])
Date received: 12/13/99	Laboratory ID: 9916953
Date extracted: 12/14/99	Matrix: Soil
Date analyzed: 12/15/99-12/16/99	Contractor: 11418

EPA METHOD 8082 AROCLORS

PARAMETER	CAS No.	RESULT ug/kg
AROCLOR-1016	12674-11-2	<80
AROCLOR-1221	1104-28-2	<80
AROCLOR-1232	11141-16-5	<80
AROCLOR-1242	53469-21-9	<80
AROCLOR-1248	12672-29-6	<80
AROCLOR-1254	11097-69-1	<80
AROCLOR-1260	11096-82-5	14,000



Laboratory Director

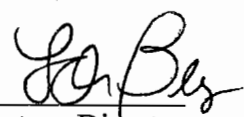


NYSDOH ELAP 11418
AIHA PAT, LPAT 102391
CTDOH PH-0205

Client: AKRF, Inc.	Client ID: Muss Flushing Queens (B-19 [4-6'])
Date received: 12/13/99	Laboratory ID: 9916954
Date extracted: 12/14/99	Matrix: Soil
Date analyzed: 12/16/99	Contractor: 11418

EPA METHOD 8032 AROCLORS

PARAMETER	CAS No.	RESULT ug/kg
AROCLOR-1016	12674-11-2	<80
AROCLOR-1221	1104-28-2	<80
AROCLOR-1232	11141-16-5	<80
AROCLOR-1242	53469-21-9	<80
AROCLOR-1248	12672-29-6	<80
AROCLOR-1254	11097-69-1	<80
AROCLOR-1260	11096-82-5	840



Laboratory Director



NYSDOH ELAP 11418
AIHA PAT, LPAT 102391
CTDOH PH-0205

Client: AKRF, Inc.	Client ID: Muss Flushing Queens (B-19 [8-10'])
Date received: 12/13/99	Laboratory ID: 9916955
Date extracted: 12/14/99	Matrix: Soil
Date analyzed: 12/16/99	Contractor: 11418

EPA METHOD 8082 AROCLORS

PARAMETER	CAS No.	RESULT ug/kg
AROCLOR-1016	12674-11-2	<80
AROCLOR-1221	1104-28-2	<80
AROCLOR-1232	11141-16-5	<80
AROCLOR-1242	53469-21-9	<80
AROCLOR-1248	12672-29-6	<80
AROCLOR-1254	11097-69-1	<80
AROCLOR-1260	11096-82-5	84



Laboratory Director



NYSDOH
AIHA
CTDOH


ELAP
PAT, LPAT
PH-0205

11418
102391

Client: AKRF, Inc.	Client ID: Muss Flushing Queens (B-20 [0.5-2.5])
Date received: 12/13/99	Laboratory ID: 9916950
Date extracted: 12/14/99	Matrix: Soil
Date analyzed: 12/15/99	Contractor: 11418

EPA METHOD 8082 AROCLORS

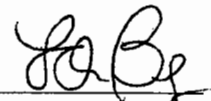
PARAMETER	CAS No.	RESULT ug/kg
AROCLOR-1016	12674-11-2	<80
AROCLOR-1221	1104-28-2	<80
AROCLOR-1232	11141-16-5	<80
AROCLOR-1242	53469-21-9	<80
AROCLOR-1248	12672-29-6	<80
AROCLOR-1254	11097-69-1	<80
AROCLOR-1260	11096-82-5	<80


Laboratory Director

Client: AKRF, Inc.	Client ID: Muss Flushing Queens (B-20 [4-6'])
Date received: 12/13/99	Laboratory ID: 9916951
Date extracted: 12/14/99	Matrix: Soil
Date analyzed: 12/15/99	Contractor: 11418

EPA METHOD 8082 AROCLORS

PARAMETER	CAS No.	RESULT ug/kg
AROCLOR-1016	12674-11-2	<80
AROCLOR-1221	1104-28-2	<80
AROCLOR-1232	11141-16-5	<80
AROCLOR-1242	53469-21-9	<80
AROCLOR-1248	12672-29-6	<80
AROCLOR-1254	11097-69-1	<80
AROCLOR-1260	11096-82-5	<80



Laboratory Director

Client: AKRF, Inc.	Client ID: Muss Flushing Queens (B-20 [8-10'])
Date received: 12/13/99	Laboratory ID: 9916952
Date extracted: 12/14/99	Matrix: Soil
Date analyzed: 12/15/99	Contractor: 11418

EPA METHOD 8082 AROCLORS

PARAMETER	CAS No.	RESULT ug/kg
AROCLOR-1016	12674-11-2	<80
AROCLOR-1221	1104-28-2	<80
AROCLOR-1232	11141-16-5	<80
AROCLOR-1242	53469-21-9	<80
AROCLOR-1248	12672-29-6	<80
AROCLOR-1254	11097-69-1	<80
AROCLOR-1260	11096-82-5	<80

Laboratory Director

Client: AKRF, Inc.	Client ID: Muss Flushing Queens (B-21 [0.5-2.5'])
Date received: 12/13/99	Laboratory ID: 9916939
Date extracted: 12/14/99	Matrix: Soil
Date analyzed: 12/15/99	Contractor: 11418

EPA METHOD 8082 AROCLORS

PARAMETER	CAS No.	RESULT ug/kg
AROCLOR-1016	12674-11-2	<80
AROCLOR-1221	1104-28-2	<80
AROCLOR-1232	11141-16-5	<80
AROCLOR-1242	53469-21-9	<80
AROCLOR-1248	12672-29-6	<80
AROCLOR-1254	11097-69-1	<80
AROCLOR-1260	11096-82-5	10,000


Laboratory Director



NYSDOH
AIHA
CTDOH

ELAP
PAT, LPAT
PH-0205

11418
102391

Client: AKRF, Inc.	Client ID: Muss Flushing Queens (B-21 [4-6'])
Date received: 12/13/99	Laboratory ID: 9916940
Date extracted: 12/14/99	Matrix: Soil
Date analyzed: 12/15/99-12/16/99	Contractor: 11418

EPA METHOD 8082 AROCLORS

PARAMETER	CAS No.	RESULT ug/kg
AROCLOR-1016	12674-11-2	<80
AROCLOR-1221	1104-28-2	<80
AROCLOR-1232	11141-16-5	<80
AROCLOR-1242	53469-21-9	<80
AROCLOR-1248	12672-29-6	<80
AROCLOR-1254	11097-69-1	<80
AROCLOR-1260	11096-82-5	16,000


Laboratory Director

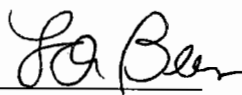


NYSDOH ELAP 11418
AIHA PAT, LPAT 102391
CTDOH PH-0205

Client: AKRF, Inc.	Client ID: Muss Flushing Queens (B-21 [10-12'])
Date received: 12/13/99	Laboratory ID: 9916941
Date extracted: 12/14/99	Matrix: Soil
Date analyzed: 12/15/99	Contractor: 11418

EPA METHOD 8082 AROCLORS

PARAMETER	CAS No.	RESULT ug/kg
AROCLOR-1016	12674-11-2	<80
AROCLOR-1221	1104-28-2	<80
AROCLOR-1232	11141-16-5	<80
AROCLOR-1242	53469-21-9	<80
AROCLOR-1248	12672-29-6	<80
AROCLOR-1254	11097-69-1	<80
AROCLOR-1260	11096-82-5	<80



Laboratory Director



NYSDOH
AIHA
CTDOH

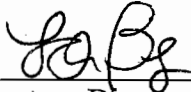
ELAP
PAT, LPAT
PH-0205

11418
102391

Client: AKRF, Inc.	Client ID: Muss Flushing Queens (B-22 [0.5-2.5'])
Date received: 12/13/99	Laboratory ID: 9916947
Date extracted: 12/14/99	Matrix: Soil
Date analyzed: 12/15/99-12/16/99	Contractor: 11418

EPA METHOD 8082 AROCLORS

PARAMETER	CAS No.	RESULT ug/kg
AROCLOR-1016	12674-11-2	<80
AROCLOR-1221	1104-28-2	<80
AROCLOR-1232	11141-16-5	<80
AROCLOR-1242	53469-21-9	<80
AROCLOR-1248	12672-29-6	<80
AROCLOR-1254	11097-69-1	<80
AROCLOR-1260	11096-82-5	14,000


Laboratory Director



NYSDOH
AIHA
CTDOH

ELAP
PAT, LPAT
PH-0205

11418
102391

Client: AKRF, Inc.	Client ID: Muss Flushing Queens (B-22 [5-7'])
Date received: 12/13/99	Laboratory ID: 9916948
Date extracted: 12/14/99	Matrix: Soil
Date analyzed: 12/15/99-12/16/99	Contractor: 11418

EPA METHOD 8082 AROCLORS

PARAMETER	CAS No.	RESULT ug/kg
AROCLOR-1016	12674-11-2	<80
AROCLOR-1221	1104-28-2	<80
AROCLOR-1232	11141-16-5	<80
AROCLOR-1242	53469-21-9	<80
AROCLOR-1248	12672-29-6	<80
AROCLOR-1254	11097-69-1	<80
AROCLOR-1260	11096-82-5	50,000


Laboratory Director

Client: AKRF, Inc.	Client ID: Muss Flushing Queens (B-22 [10-12'])
Date received: 12/13/99	Laboratory ID: 9916949
Date extracted: 12/14/99	Matrix: Soil
Date analyzed: 12/15/99	Contractor: 11418

EPA METHOD 8082 AROCLORS

PARAMETER	CAS No.	RESULT ug/kg
AROCLOR-1016	12674-11-2	<80
AROCLOR-1221	1104-28-2	<80
AROCLOR-1232	11141-16-5	<80
AROCLOR-1242	53469-21-9	<80
AROCLOR-1248	12672-29-6	<80
AROCLOR-1254	11097-69-1	<80
AROCLOR-1260	11096-82-5	700


Laboratory Director

Client: AKRF, Inc.	Client ID: Muss Flushing Queens (B-23 [0.5-2.5'])
Date received: 12/13/99	Laboratory ID: 9916964
Date extracted: 12/15/99	Matrix: Soil
Date analyzed: 12/16/99,12/20/99	Contractor: 11418

EPA METHOD 8082 AROCLORS

PARAMETER	CAS No.	RESULT ug/kg
AROCLOR-1016	12674-11-2	<80
AROCLOR-1221	1104-28-2	<80
AROCLOR-1232	11141-16-5	<80
AROCLOR-1242	53469-21-9	<80
AROCLOR-1248	12672-29-6	<80
AROCLOR-1254	11097-69-1	<80
AROCLOR-1260	11096-82-5	16,000



Laboratory Director

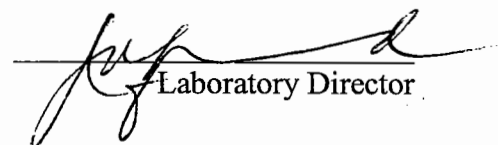


NYSDOH ELAP 11418
AIHA PAT, LPAT 102391
CTDOH PH-0205

Client: AKRF, Inc.	Client ID: Muss Flushing Queens (B-23 [12-14'])
Date received: 12/13/99	Laboratory ID: 9916965
Date extracted: 12/15/99	Matrix: Soil
Date analyzed: 12/16/99	Contractor: 11418

EPA METHOD 8082 AROCLORS

PARAMETER	CAS No.	RESULT ug/kg
AROCLOR-1016	12674-11-2	<80
AROCLOR-1221	1104-28-2	<80
AROCLOR-1232	11141-16-5	<80
AROCLOR-1242	53469-21-9	<80
AROCLOR-1248	12672-29-6	<80
AROCLOR-1254	11097-69-1	<80
AROCLOR-1260	11096-82-5	<80


Laboratory Director

Client: AKRF, Inc.	Client ID: Muss Flushing Queens (B-24 [0.5-2.5'])
Date received: 12/14/99	Laboratory ID: 9916991
Date extracted: 12/15/99	Matrix: Soil
Date analyzed: 12/17/99, 12/20/99	Contractor: 11418

EPA METHOD 8082 AROCLORS

PARAMETER	CAS No.	RESULT ug/kg
AROCLOR-1016	12674-11-2	<80
AROCLOR-1221	1104-28-2	<80
AROCLOR-1232	11141-16-5	<80
AROCLOR-1242	53469-21-9	<80
AROCLOR-1248	12672-29-6	<80
AROCLOR-1254	11097-69-1	<80
AROCLOR-1260	11096-82-5	7,800



Laboratory Director

Client: AKRF, Inc.	Client ID: Muss Flushing Queens (B-24 [4-6'])
Date received: 12/14/99	Laboratory ID: 9916992
Date extracted: 12/15/99	Matrix: Soil
Date analyzed: 12/17/99, 12/20/99	Contractor: 11418

EPA METHOD 8082 AROCLORS

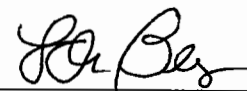
PARAMETER	CAS No.	RESULT ug/kg
AROCLOR-1016	12674-11-2	2200
AROCLOR-1221	1104-28-2	<80
AROCLOR-1232	11141-16-5	<80
AROCLOR-1242	53469-21-9	<80
AROCLOR-1248	12672-29-6	<80
AROCLOR-1254	11097-69-1	<80
AROCLOR-1260	11096-82-5	82,000

Laboratory Director

Client: AKRF, Inc.	Client ID: Muss Flushing Queens (B-24 [8-10'])
Date received: 12/14/99	Laboratory ID: 9916993
Date extracted: 12/15/99	Matrix: Soil
Date analyzed: 12/17/99	Contractor: 11418

EPA METHOD 8082 AROCLORS

PARAMETER	CAS No.	RESULT ug/kg
AROCLOR-1016	12674-11-2	<80
AROCLOR-1221	1104-28-2	<80
AROCLOR-1232	11141-16-5	<80
AROCLOR-1242	53469-21-9	<80
AROCLOR-1248	12672-29-6	<80
AROCLOR-1254	11097-69-1	<80
AROCLOR-1260	11096-82-5	120

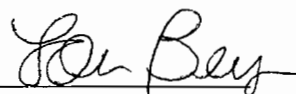


Laboratory Director

Client: AKRF, Inc.	Client ID: Muss Flushing Queens (B-25 [0.5-2.5'])
Date received: 12/13/99	Laboratory ID: 9916936
Date extracted: 12/14/99	Matrix: Soil
Date analyzed: 12/15/99	Contractor: 11418

EPA METHOD 8082 AROCLORS

PARAMETER	CAS No.	RESULT ug/kg
AROCLOR-1016	12674-11-2	<80
AROCLOR-1221	1104-28-2	<80
AROCLOR-1232	11141-16-5	<80
AROCLOR-1242	53469-21-9	<80
AROCLOR-1248	12672-29-6	<80
AROCLOR-1254	11097-69-1	<80
AROCLOR-1260	11096-82-5	16,000


Laboratory Director



NYSDOH
AIHA
CTDOH

ELAP
PAT, LPAT
PH-0205

11418
102391

Client: AKRF, Inc.	Client ID: Muss Flushing Queens (B-25 [5-7'])
Date received: 12/13/99	Laboratory ID: 9916937
Date extracted: 12/14/99	Matrix: Soil
Date analyzed: 12/15/99	Contractor: 11418

EPA METHOD 8082 AROCLORS

PARAMETER	CAS No.	RESULT ug/kg
AROCLOR-1016	12674-11-2	<80
AROCLOR-1221	1104-28-2	<80
AROCLOR-1232	11141-16-5	<80
AROCLOR-1242	53469-21-9	<80
AROCLOR-1248	12672-29-6	<80
AROCLOR-1254	11097-69-1	<80
AROCLOR-1260	11096-82-5	500


Laboratory Director

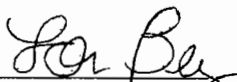


NYSDOH ELAP 11418
AIHA PAT, L.PAT 102391
CTDOH PH-0205

Client: AKRF, Inc.	Client ID: Muss Flushing Queens (B-25 [10-12'])
Date received: 12/13/99	Laboratory ID: 9916938
Date extracted: 12/14/99	Matrix: Soil
Date analyzed: 12/15/99	Contractor: 11418

EPA METHOD 8082 AROCLORS

PARAMETER	CAS No.	RESULT ug/kg
AROCLOR-1016	12674-11-2	<80
AROCLOR-1221	1104-28-2	<80
AROCLOR-1232	11141-16-5	<80
AROCLOR-1242	53469-21-9	<80
AROCLOR-1248	12672-29-6	<80
AROCLOR-1254	11097-69-1	<80
AROCLOR-1260	11096-82-5	350



Laboratory Director

ATTACHMENT B
HISTORICAL AERIAL PHOTOGRAPHS

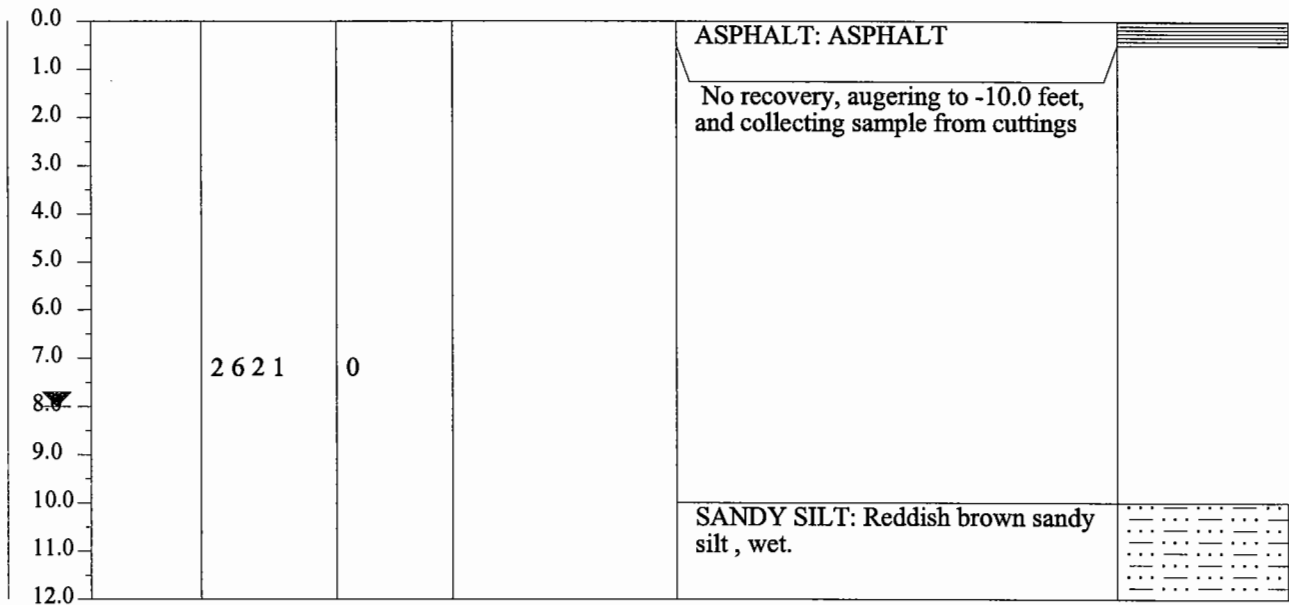
Aerials

**ATTACHMENT C
BORING LOGS**

PROJECT NUMBER: 30141-0001	FIELD BOOK NO: NA
PROJECT NAME: COLLEGE POINT BLVD.-40TH ROAD	TOTAL DEPTH: 12.0
LOCATION: FLUSHING, NEW YORK	GROUND SURFACE ELEVATION: 0
DRILLING CO: GENERAL BORING	
DRILLING METHOD: HOLLOW STEM AUGER	
FIELD PARTY: SCOTT MARINO AND RICKY BOSA	
FIELD INSPECTOR:	
DATE BEGUN: 12/10/1999 DATE COMPLETED: 12/10/1999	

STATIC WATER LEVEL (BLS)		
Depth (ft)	12.0	
Time		
Date	12/10/1999	

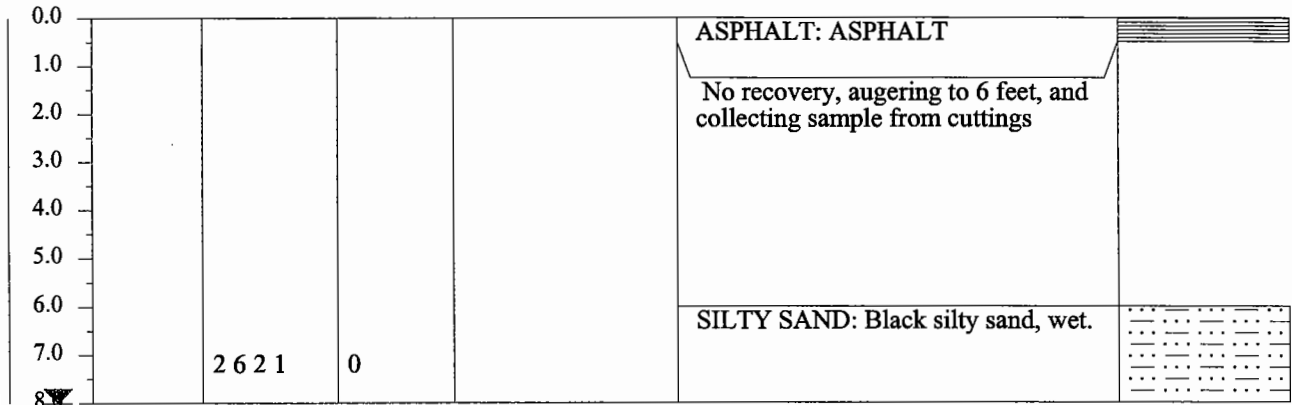
DEPTH (ft)	SAMPLE NUMBER	BLOWS COUNT	PID/ppm	REMARKS	DESCRIPTION	LITHOLOGY	WELL INSTALLATION
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PROJECT NUMBER: 30141-0001	FIELD BOOK NO: NA
PROJECT NAME: COLLEGE POINT BLVD.-40TH ROAD	TOTAL DEPTH: 12.0
LOCATION: FLUSHING, NEW YORK	GROUND SURFACE ELEVATION: 0
DRILLING CO: GENERAL BORING	
DRILLING METHOD: HOLLOW STEM AUGER	
FIELD PARTY: SCOTT MARINO AND RICKY BOSA	
FIELD INSPECTOR:	
DATE BEGUN: 12/10/1999	DATE COMPLETED: 12/10/1999

STATIC WATER LEVEL (BLS)		
Depth (ft)	8.0'	
Time		
Date	12/10/1999	

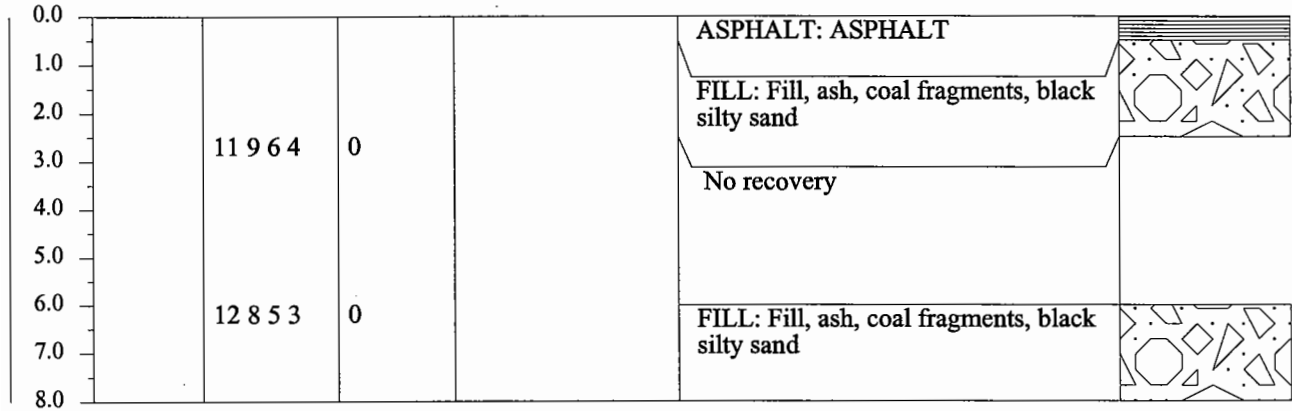
DEPTH (ft)	SAMPLE NUMBER	BLOWS COUNT	PID/ppm	REMARKS	DESCRIPTION	LITHOLOGY	WELL INSTALLATION
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PROJECT NUMBER: 30141-0001	FIELD BOOK NO: NA
PROJECT NAME: COLLEGE POINT BLVD.-40TH ROAD	TOTAL DEPTH: 8.0'
LOCATION: FLUSHING, NEW YORK	GROUND SURFACE ELEVATION: 0
DRILLING CO: GENERAL BORING	
DRILLING METHOD: HOLLOW STEM AUGER	
FIELD PARTY: SCOTT MARINO AND RICKY BOSA	
FIELD INSPECTOR:	
DATE BEGUN: 12/10/1999 DATE COMPLETED: 12/10/1999	

STATIC WATER LEVEL (BLS)		
Depth (ft)	8.0'	
Time		
Date	12/10/1999	

DEPTH (ft)	SAMPLE NUMBER	BLOWS COUNT	PID/ppm	REMARKS	DESCRIPTION	LITHOLOGY	WELL INSTALLATION
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AKRF, INC. Environmental Consultants	FIELD BOREHOLE LOG	BOREHOLE NUMBER B-5
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PROJECT NUMBER: 30141-0001	FIELD BOOK NO: NA
PROJECT NAME: COLLEGE POINT BLVD.-40TH ROAD	TOTAL DEPTH: 9.0'
LOCATION: FLUSHING, NEW YORK	GROUND SURFACE ELEVATION: 0
DRILLING CO: GENERAL BORING	
DRILLING METHOD: HOLLOW STEM AUGER	
FIELD PARTY: SCOTT MARINO AND RICKY BOSA	
FIELD INSPECTOR:	
DATE BEGUN: 12/10/1999	DATE COMPLETED: 12/10/1999

STATIC WATER LEVEL (BLS)		
Depth (ft)	9.0	
Time		
Date	12/10/1999	

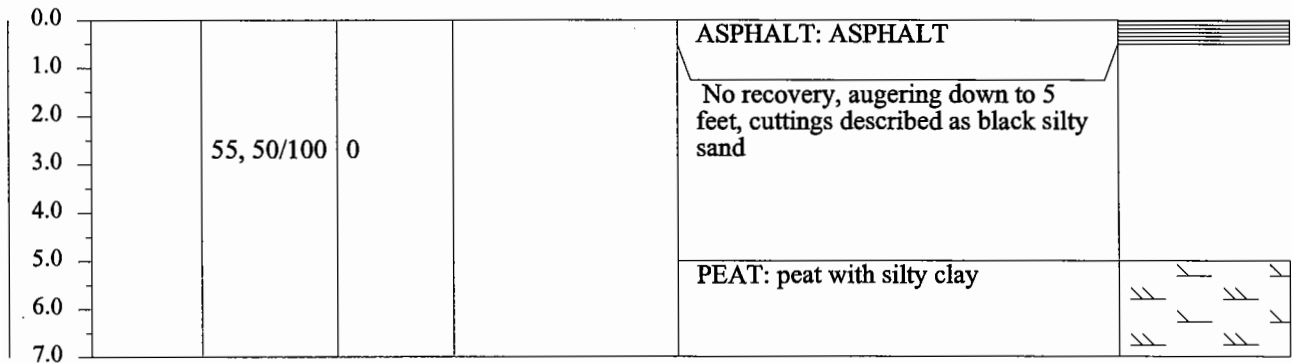
DEPTH (ft)	SAMPLE NUMBER	BLOWS COUNT	PID/ppm	REMARKS	DESCRIPTION	LITHOLOGY	WELL INSTALLATION
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0.0					ASPHALT: ASPHALT		
1.0					No recovery, augering down to 5.0'		
2.0					No recovery		
3.0	15 16	50/1"	0				
4.0							
5.0							
6.0							
7.0	1 1 2 1		0				
8.0					PEAT: Peat and silty sand.		
9.0							

AKRF, INC. Environmental Consultants	FIELD BOREHOLE LOG	BOREHOLE NUMBER
		B-6

PROJECT NUMBER:	30141-0001	FIELD BOOK NO:	NA												
PROJECT NAME:	COLLEGE POINT BLVD.-40TH ROAD	TOTAL DEPTH:	7.0'												
LOCATION:	FLUSHING, NEW YORK	GROUND SURFACE ELEVATION:	0												
DRILLING CO:	GENERAL BORING	<table border="1"> <tr> <th colspan="3">STATIC WATER LEVEL (BLS)</th> </tr> <tr> <td>Depth (ft)</td> <td>7.0'</td> <td></td> </tr> <tr> <td>Time</td> <td></td> <td></td> </tr> <tr> <td>Date</td> <td>12/10/1999</td> <td></td> </tr> </table>		STATIC WATER LEVEL (BLS)			Depth (ft)	7.0'		Time			Date	12/10/1999	
STATIC WATER LEVEL (BLS)															
Depth (ft)	7.0'														
Time															
Date	12/10/1999														
DRILLING METHOD:	HOLLOW STEM AUGER														
FIELD PARTY:	SCOTT MARINO AND RICKY BOSA														
FIELD INSPECTOR:															
DATE BEGUN:	12/10/1999	DATE COMPLETED:	12/10/1999												

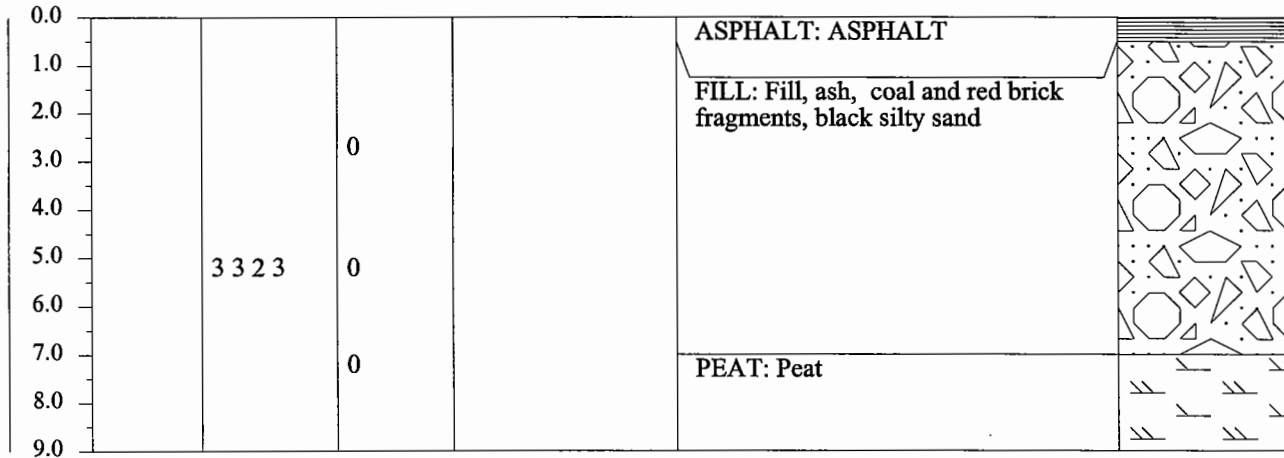
DEPTH (ft)	SAMPLE NUMBER	BLOWS COUNT	PID/ppm	REMARKS	DESCRIPTION	LITHOLOGY	WELL INSTALLATION
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AKRF, INC.	FIELD BOREHOLE LOG	BOREHOLE NUMBER
Environmental Consultants		B-7

PROJECT NUMBER:	30141-0001	FIELD BOOK NO:	NA												
PROJECT NAME:	COLLEGE POINT BLVD.-40TH ROAD	TOTAL DEPTH:	9.0'												
LOCATION:	FLUSHING, NEW YORK	GROUND SURFACE ELEVATION:	0												
DRILLING CO:	GENERAL BORING	<table border="1"> <tr> <th colspan="3">STATIC WATER LEVEL (BLS)</th> </tr> <tr> <td>Depth (ft)</td> <td>9.0'</td> <td></td> </tr> <tr> <td>Time</td> <td></td> <td></td> </tr> <tr> <td>Date</td> <td>12/10/1999</td> <td></td> </tr> </table>		STATIC WATER LEVEL (BLS)			Depth (ft)	9.0'		Time			Date	12/10/1999	
STATIC WATER LEVEL (BLS)															
Depth (ft)	9.0'														
Time															
Date	12/10/1999														
DRILLING METHOD:	HOLLOW STEM AUGER														
FIELD PARTY:	SCOTT MARINO AND RICKY BOSA														
FIELD INSPECTOR:															
DATE BEGUN:	12/10/1999	DATE COMPLETED:	12/10/1999												

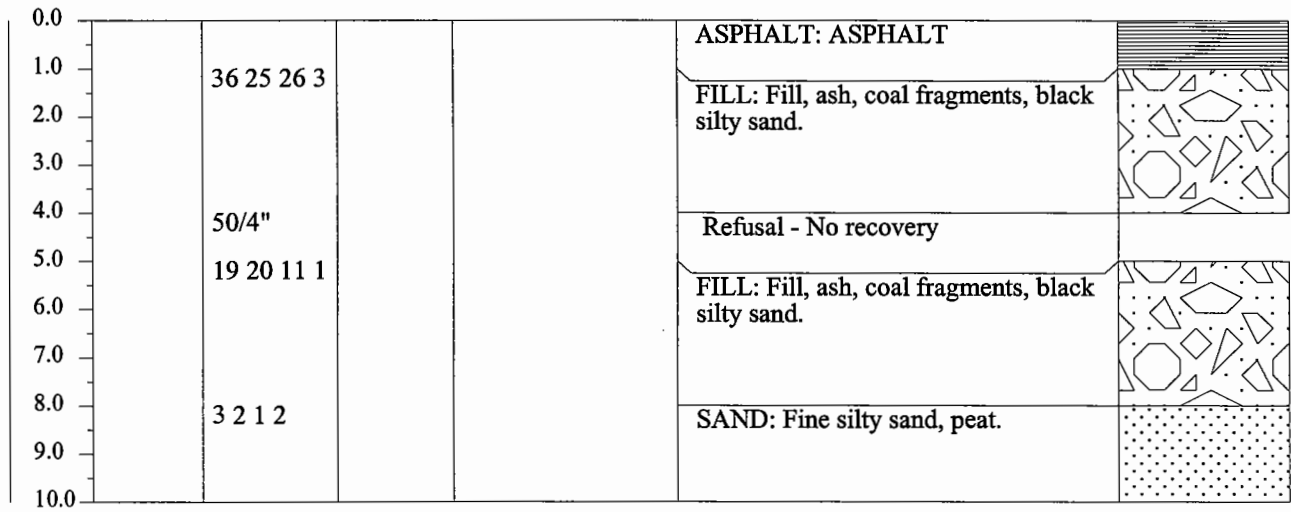
DEPTH (ft)	SAMPLE NUMBER	BLOWS COUNT	PID/ppm	REMARKS	DESCRIPTION	LITHOLOGY	WELL INSTALLATION
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PROJECT NUMBER: 30141-0001	FIELD BOOK NO: NA
PROJECT NAME: COLLEGE POINT BLVD.-40TH ROAD	TOTAL DEPTH: 10.0'
LOCATION: FLUSHING, NEW YORK	GROUND SURFACE ELEVATION: 0
DRILLING CO: GENERAL BORING	
DRILLING METHOD: HOLLOW STEM AUGER	
FIELD PARTY: SCOTT MARINO AND RICKY BOSA	
FIELD INSPECTOR:	
DATE BEGUN: 12/14/99	DATE COMPLETED: 12/14/99

STATIC WATER LEVEL (BLS)		
Depth (ft)	6.0'	
Time		
Date	12/14/99	

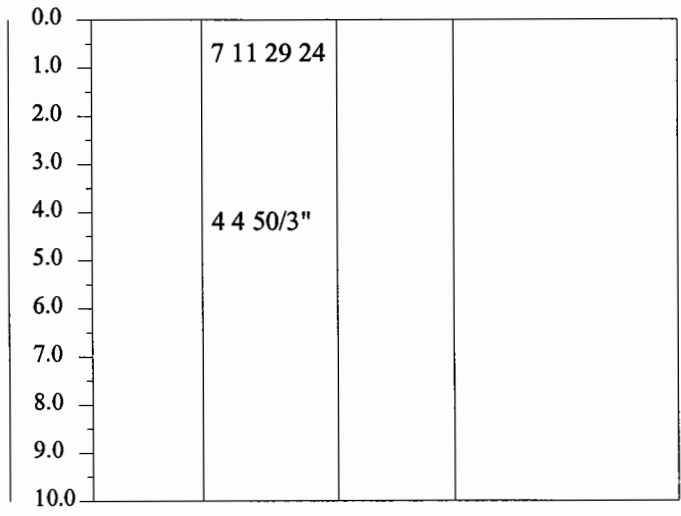
DEPTH (ft)	SAMPLE NUMBER	BLOWS COUNT	PID/ppm	REMARKS	DESCRIPTION	LITHOLOGY	WELL INSTALLATION
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PROJECT NUMBER: 30141-0001	FIELD BOOK NO: NA
PROJECT NAME: COLLEGE POINT BLVD.-40TH ROAD	TOTAL DEPTH: 10.0'
LOCATION: FLUSHING, NEW YORK	GROUND SURFACE ELEVATION: 0
DRILLING CO: GENERAL BORING	
DRILLING METHOD: HOLLOW STEM AUGER	
FIELD PARTY: SCOTT MARINO AND RICKY BOSA	
FIELD INSPECTOR:	
DATE BEGUN: 12/13/1999 DATE COMPLETED: 12/13/1999	

STATIC WATER LEVEL (BLS)		
Depth (ft)	5.0'	
Time		
Date	12/13/1999	


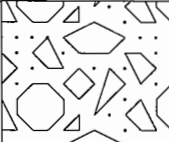
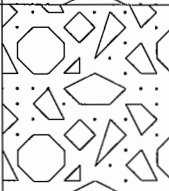

DEPTH (ft)	SAMPLE NUMBER	BLOWS COUNT	PID/ppm	REMARKS	DESCRIPTION	LITHOLOGY	WELL INSTALLATION
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AKRF, INC.	FIELD BOREHOLE LOG	BOREHOLE NUMBER
Environmental Consultants		B-10

PROJECT NUMBER:	30141-0001	FIELD BOOK NO:	NA												
PROJECT NAME:	COLLEGE POINT BLVD.-40TH ROAD	TOTAL DEPTH:	10.0'												
LOCATION:	FLUSHING, NEW YORK	GROUND SURFACE ELEVATION:	0												
DRILLING CO:	GENERAL BORING	<table border="1"> <tr> <th colspan="3">STATIC WATER LEVEL (BLS)</th> </tr> <tr> <td>Depth (ft)</td> <td>5.0'</td> <td></td> </tr> <tr> <td>Time</td> <td></td> <td></td> </tr> <tr> <td>Date</td> <td>12/13/1999</td> <td></td> </tr> </table>		STATIC WATER LEVEL (BLS)			Depth (ft)	5.0'		Time			Date	12/13/1999	
STATIC WATER LEVEL (BLS)															
Depth (ft)	5.0'														
Time															
Date	12/13/1999														
DRILLING METHOD:	HOLLOW STEM AUGER														
FIELD PARTY:	SCOTT MARINO AND RICKY BOSA														
FIELD INSPECTOR:															
DATE BEGUN:	12/13/1999	DATE COMPLETED:	12/13/1999												

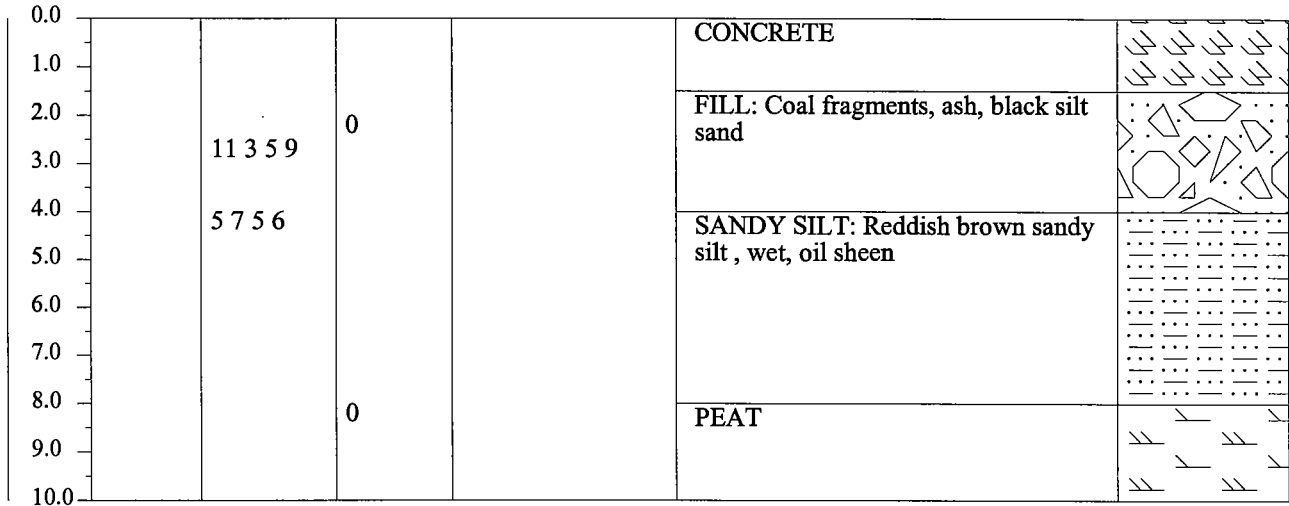
DEPTH (ft)	SAMPLE NUMBER	BLOWS COUNT	PID/ppm	REMARKS	DESCRIPTION	LITHOLOGY	WELL INSTALLATION
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0.0					CONCRETE	
1.0		11 18 26 2	0		FILL: Fill, coal fragments, ash, black sand, yellow brown coarse sand and gravel.	
2.0						
3.0					FILL: Fill, ash, coal fragments, balck silty sand.	
4.0		5 5 2 5	0			
5.0						
6.0					PEAT	
7.0						
8.0		3 2 11	0			
9.0						
10.0						

AKRF, INC. Environmental Consultants	FIELD BOREHOLE LOG	BOREHOLE NUMBER
		B-11

PROJECT NUMBER:	30141-0001	FIELD BOOK NO:	NA												
PROJECT NAME:	COLLEGE POINT BLVD.-40TH ROAD	TOTAL DEPTH:	10.0'												
LOCATION:	FLUSHING, NEW YORK	GROUND SURFACE ELEVATION:	0												
DRILLING CO:	GENERAL BORING	<table border="1"> <tr> <th colspan="3">STATIC WATER LEVEL (BLS)</th> </tr> <tr> <td>Depth (ft)</td> <td>5.0'</td> <td></td> </tr> <tr> <td>Time</td> <td></td> <td></td> </tr> <tr> <td>Date</td> <td>12/10/1999</td> <td></td> </tr> </table>		STATIC WATER LEVEL (BLS)			Depth (ft)	5.0'		Time			Date	12/10/1999	
STATIC WATER LEVEL (BLS)															
Depth (ft)	5.0'														
Time															
Date	12/10/1999														
DRILLING METHOD:	HOLLOW STEM AUGER														
FIELD PARTY:	SCOTT MARINO AND RICKY BOSA														
FIELD INSPECTOR:															
DATE BEGUN:	12/14/1999	DATE COMPLETED:	12/14/1999												


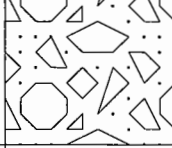
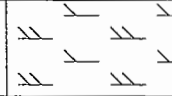
DEPTH (ft)	SAMPLE NUMBER	BLOWS COUNT	PID/ppm	REMARKS	DESCRIPTION	LITHOLOGY	WELL INSTALLATION
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PROJECT NUMBER: 30141-0001	FIELD BOOK NO: NA
PROJECT NAME: COLLEGE POINT BLVD.-40TH ROAD	TOTAL DEPTH: 10.0'
LOACATION: FLUSHING, NEW YORK	GROUND SURFACE ELEVATION: 0
DRILLING CO: GENERAL BORING	
DRILLING METHOD: HOLLOW STEM AUGER	
FIELD PARTY: SCOTT MARINO AND RICKY BOSA	
FIELD INSPECTOR:	
DATE BEGUN: 12/13/1999	DATE COMPLETED: 12/13/1999

STATIC WATER LEVEL (BLS)		
Depth (ft)	4.0'	
Time		
Date	12/13/1999	

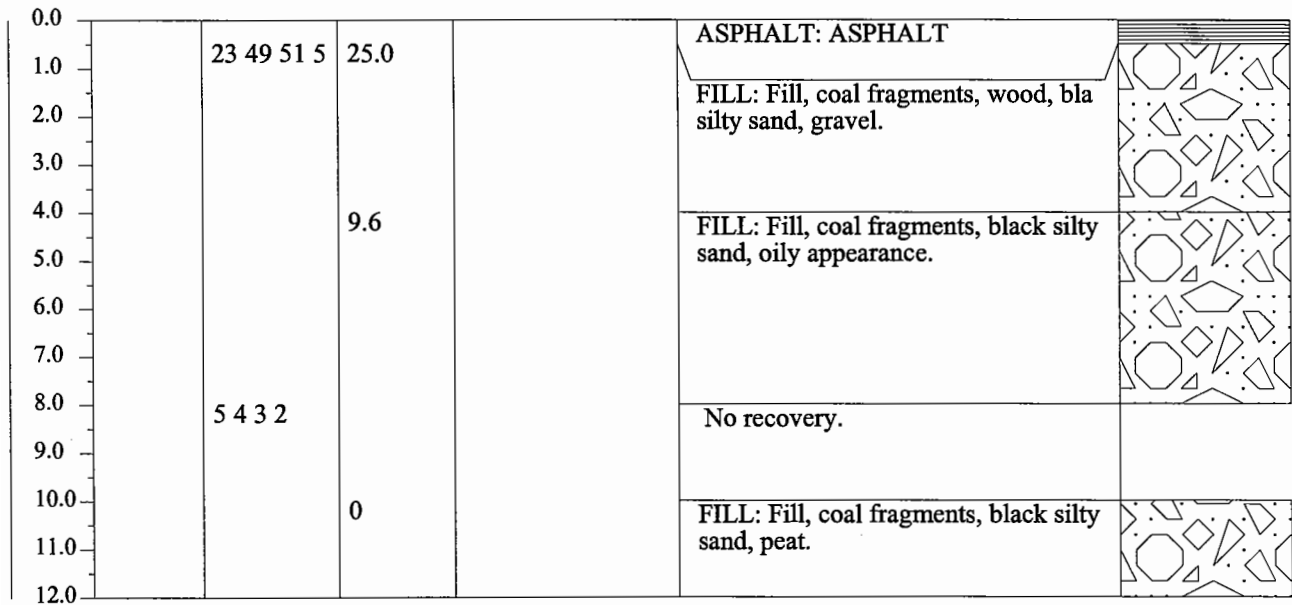
DEPTH (ft)	SAMPLE NUMBER	BLOWS COUNT	PID/ppm	REMARKS	DESCRIPTION	LITHOLOGY	WELL INSTALLATION
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0.0					ASPHALT: ASPHALT		
1.0		19 50/5" refusal	1.4		FILL: Fill, coal fragments, wood, bla silty sand, oily appearance.		
2.0							
3.0					No recovery, wet spoon, also petroleum sheen on spoon.		
4.0		3 4 2 2	0				
5.0							
6.0					PEAT: PEAT		
7.0							
8.0		1 1/12" 1 1	0				
9.0							
10.0							

PROJECT NUMBER: 30141-0001	FIELD BOOK NO: NA
PROJECT NAME: COLLEGE POINT BLVD.-40TH ROAD	TOTAL DEPTH: 12.0'
LOCATION: FLUSHING, NEW YORK	GROUND SURFACE ELEVATION: 0
DRILLING CO: GENERAL BORING	
DRILLING METHOD: HOLLOW STEM AUGER	
FIELD PARTY: SCOTT MARINO AND RICKY BOSA	
FIELD INSPECTOR:	
DATE BEGUN: 12/13/1999 DATE COMPLETED: 12/13/1999	

STATIC WATER LEVEL (BLS)		
Depth (ft)	5.0'	
Time		
Date	12/13/1999	

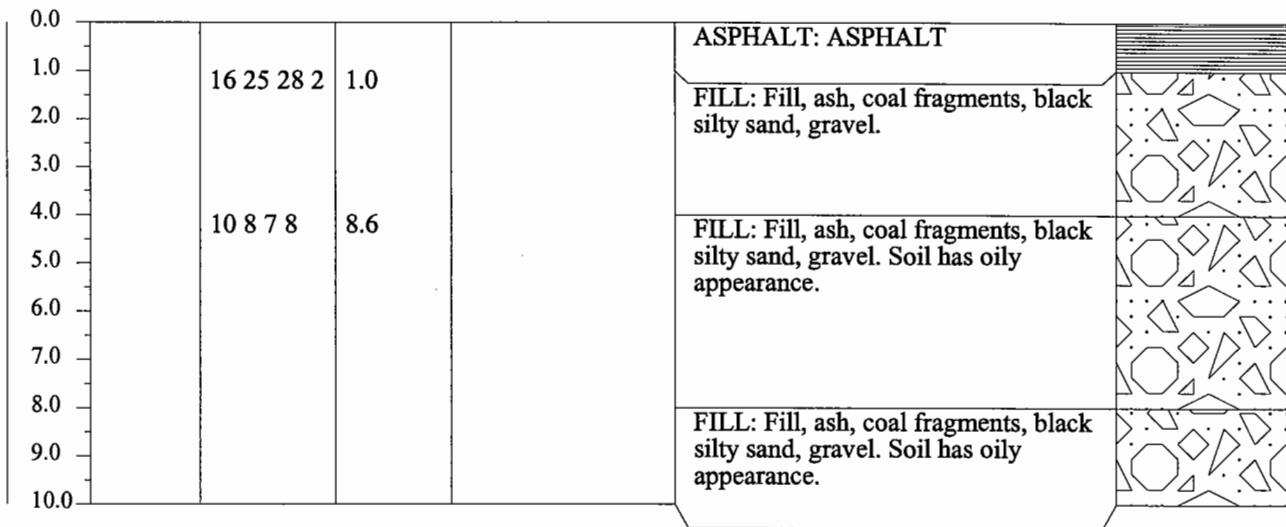
DEPTH (ft)	SAMPLE NUMBER	BLOWS COUNT	PID/ppm	REMARKS	DESCRIPTION	LITHOLOGY	WELL INSTALLATION
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PROJECT NUMBER: 30141-0001	FIELD BOOK NO: NA
PROJECT NAME: COLLEGE POINT BLVD.-40TH ROAD	TOTAL DEPTH: 10.0'
LOCATION: FLUSHING, NEW YORK	GROUND SURFACE ELEVATION: 0
DRILLING CO: GENERAL BORING	
DRILLING METHOD: HOLLOW STEM AUGER	
FIELD PARTY: SCOTT MARINO AND RICKY BOSA	
FIELD INSPECTOR:	
DATE BEGUN: 12/13/1999 DATE COMPLETED: 12/13/1999	

STATIC WATER LEVEL (BLS)		
Depth (ft)	5.0'	
Time		
Date	12/13/1999	

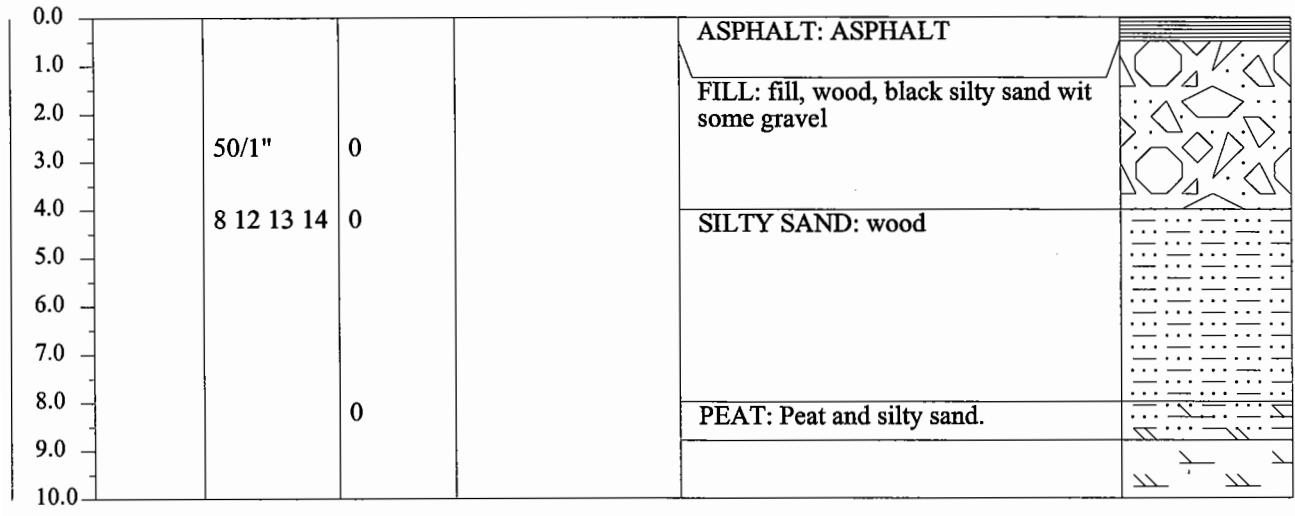
DEPTH (ft)	SAMPLE NUMBER	BLOWS COUNT	PID/ppm	REMARKS	DESCRIPTION	LITHOLOGY	WELL INSTALLATION
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PROJECT NUMBER: 30141-0001	FIELD BOOK NO: NA
PROJECT NAME: COLLEGE POINT BLVD.-40TH ROAD	TOTAL DEPTH: 10.0'
LOCATION: FLUSHING, NEW YORK	GROUND SURFACE ELEVATION: 0
DRILLING CO: GENERAL BORING	
DRILLING METHOD: HOLLOW STEM AUGER	
FIELD PARTY: SCOTT MARINO AND RICKY BOSA	
FIELD INSPECTOR:	
DATE BEGUN: 12/14/1999	DATE COMPLETED: 12/14/1999

STATIC WATER LEVEL (BLS)		
Depth (ft)	6.0'	
Time		
Date	12/10/1999	

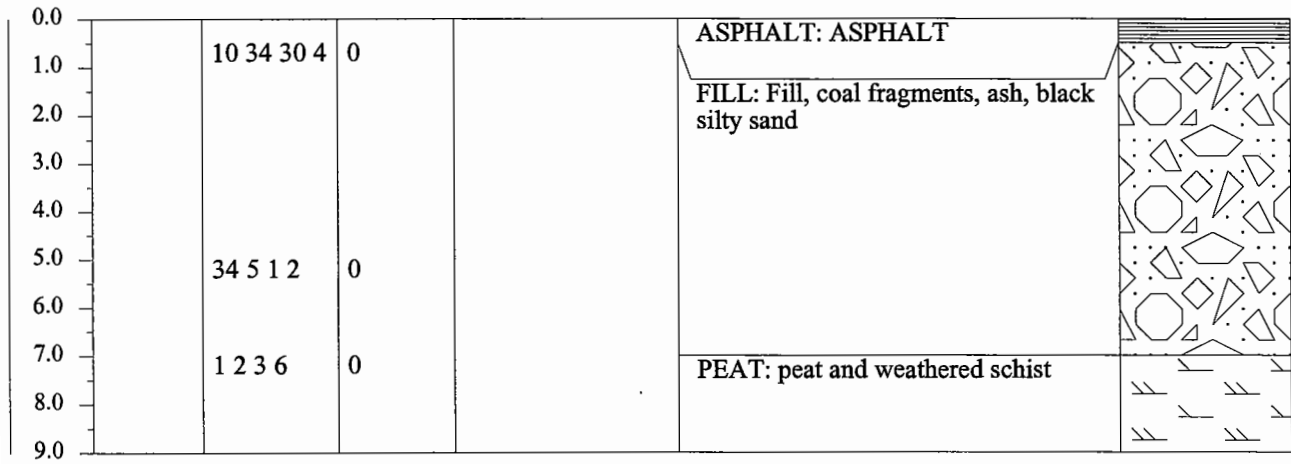
DEPTH (ft)	SAMPLE NUMBER	BLOWS COUNT	PID/ppm	REMARKS	DESCRIPTION	LITHOLOGY	WELL INSTALLATION
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AKRF, INC. Environmental Consultants	FIELD BOREHOLE LOG	BOREHOLE NUMBER
		B-16

PROJECT NUMBER: 30141-0001	FIELD BOOK NO: NA												
PROJECT NAME: COLLEGE POINT BLVD.-40TH ROAD	TOTAL DEPTH: 10.0'												
LOCATION: FLUSHING, NEW YORK	GROUND SURFACE ELEVATION: 0												
DRILLING CO: GENERAL BORING	<table border="1"> <tr> <th colspan="3">STATIC WATER LEVEL (BLS)</th> </tr> <tr> <td>Depth (ft)</td> <td>7.0'</td> <td></td> </tr> <tr> <td>Time</td> <td></td> <td></td> </tr> <tr> <td>Date</td> <td>12/11/1999</td> <td></td> </tr> </table>	STATIC WATER LEVEL (BLS)			Depth (ft)	7.0'		Time			Date	12/11/1999	
STATIC WATER LEVEL (BLS)													
Depth (ft)		7.0'											
Time													
Date	12/11/1999												
DRILLING METHOD: HOLLOW STEM AUGER													
FIELD PARTY: SCOTT MARINO AND RICKY BOSA													
FIELD INSPECTOR:													
DATE BEGUN: 12/11/1999 DATE COMPLETED: 12/11/1999													

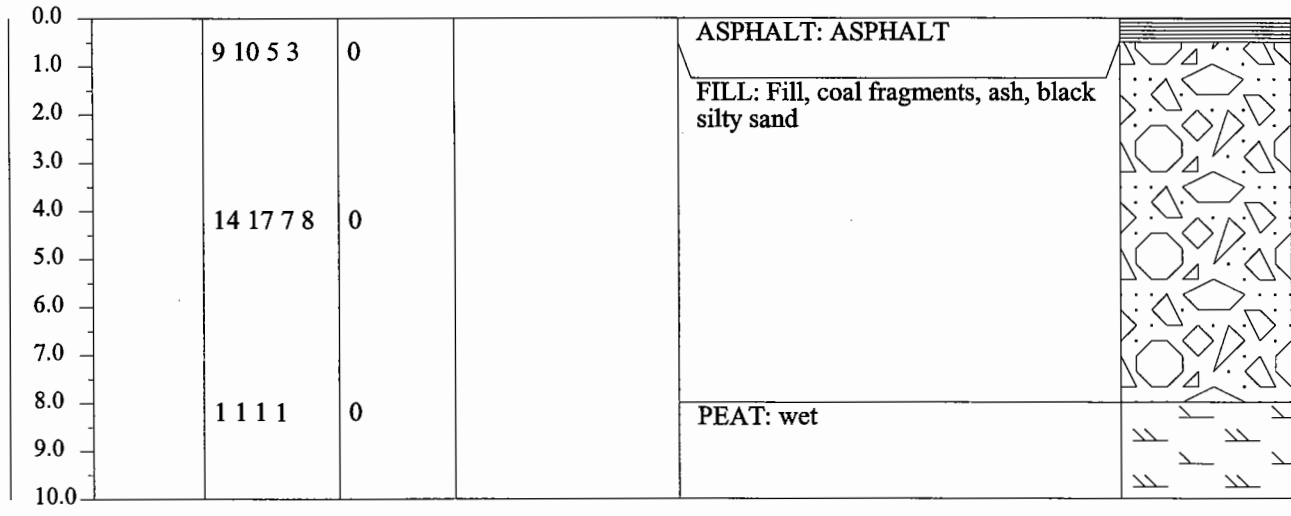
DEPTH (ft)	SAMPLE NUMBER	BLOWS COUNT	PID/ppm	REMARKS	DESCRIPTION	LITHOLOGY	WELL INSTALLATION
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AKRF, INC. Environmental Consultants	FIELD BOREHOLE LOG	BOREHOLE NUMBER
		B-17

PROJECT NUMBER: 30141-0001	FIELD BOOK NO: NA												
PROJECT NAME: COLLEGE POINT BLVD.-40TH ROAD	TOTAL DEPTH: 10.0'												
LOCATION: FLUSHING, NEW YORK	GROUND SURFACE ELEVATION: 0												
DRILLING CO: GENERAL BORING	<table border="1"> <tr> <th colspan="3">STATIC WATER LEVEL (BLS)</th> </tr> <tr> <td>Depth (ft)</td> <td>10.0'</td> <td></td> </tr> <tr> <td>Time</td> <td></td> <td></td> </tr> <tr> <td>Date</td> <td>12/11/1999</td> <td></td> </tr> </table>	STATIC WATER LEVEL (BLS)			Depth (ft)	10.0'		Time			Date	12/11/1999	
STATIC WATER LEVEL (BLS)													
Depth (ft)		10.0'											
Time													
Date	12/11/1999												
DRILLING METHOD: HOLLOW STEM AUGER													
FIELD PARTY: SCOTT MARINO AND RICKY BOSA													
FIELD INSPECTOR:													
DATE BEGUN: 12/11/1999 DATE COMPLETED: 12/11/1999													

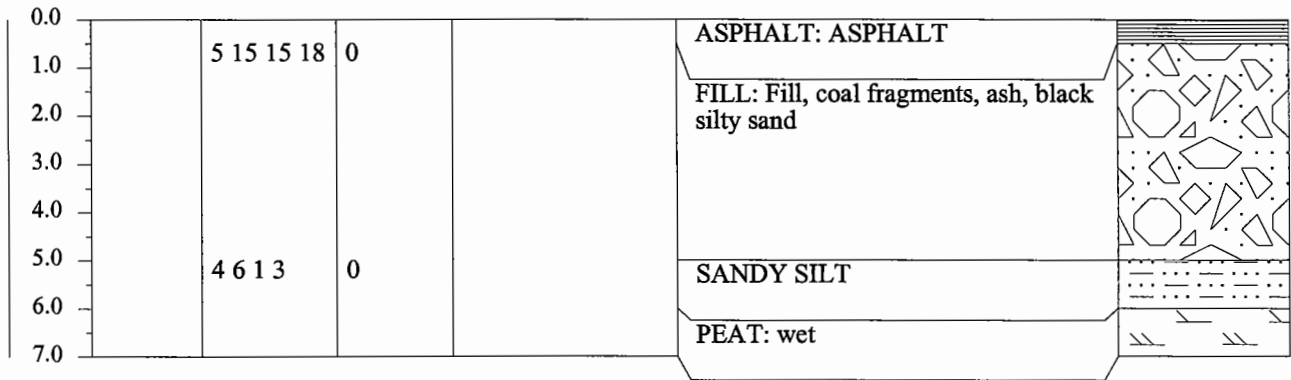
DEPTH (ft)	SAMPLE NUMBER	BLOWS COUNT	PID/ppm	REMARKS	DESCRIPTION	LITHOLOGY	WELL INSTALLATION
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PROJECT NUMBER: 30141-0001	FIELD BOOK NO: NA
PROJECT NAME: COLLEGE POINT BLVD.-40TH ROAD	TOTAL DEPTH: 10.0'
LOCATION: FLUSHING, NEW YORK	GROUND SURFACE ELEVATION: 0
DRILLING CO: GENERAL BORING	
DRILLING METHOD: HOLLOW STEM AUGER	
FIELD PARTY: SCOTT MARINO AND RICKY BOSA	
FIELD INSPECTOR:	
DATE BEGUN: 12/11/1999 DATE COMPLETED: 12/11/1999	

STATIC WATER LEVEL (BLS)		
Depth (ft)	7.0'	
Time		
Date	12/11/1999	

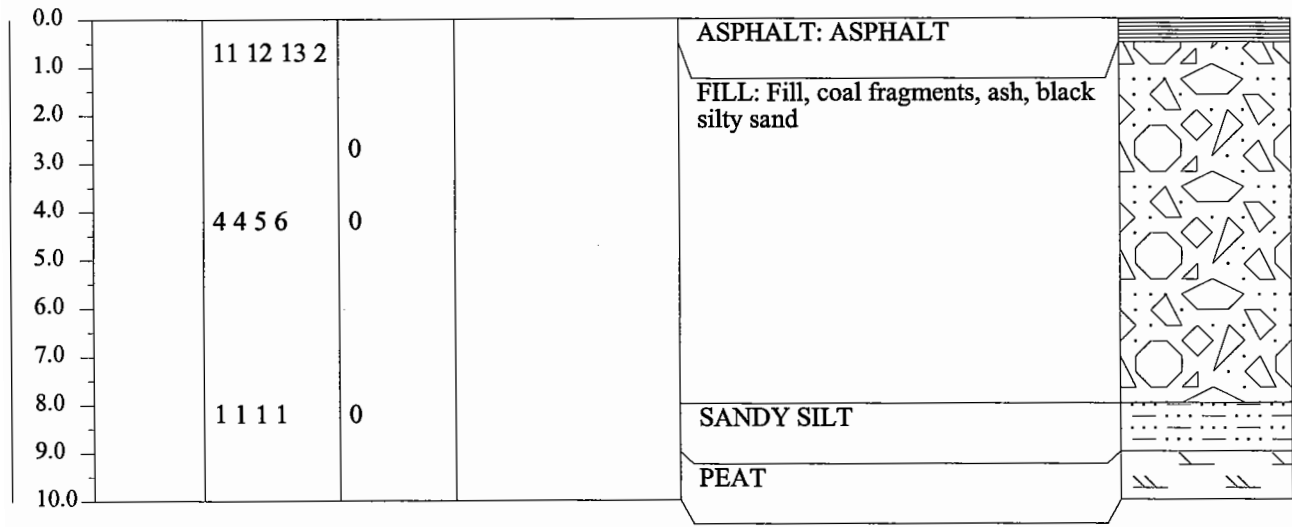
DEPTH (ft)	SAMPLE NUMBER	BLOWS COUNT	PID/ppm	REMARKS	DESCRIPTION	LITHOLOGY	WELL INSTALLATION
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PROJECT NUMBER: 30141-0001	FIELD BOOK NO: NA
PROJECT NAME: COLLEGE POINT BLVD.-40TH ROAD	TOTAL DEPTH: 10.0'
LOCATION: FLUSHING, NEW YORK	GROUND SURFACE ELEVATION: 0
DRILLING CO: GENERAL BORING	
DRILLING METHOD: HOLLOW STEM AUGER	
FIELD PARTY: SCOTT MARINO AND RICKY BOSA	
FIELD INSPECTOR:	
DATE BEGUN: 12/11/1999	DATE COMPLETED: 12/11/1999

STATIC WATER LEVEL (BLS)		
Depth (ft)	10.0'	
Time		
Date	12/11/1999	

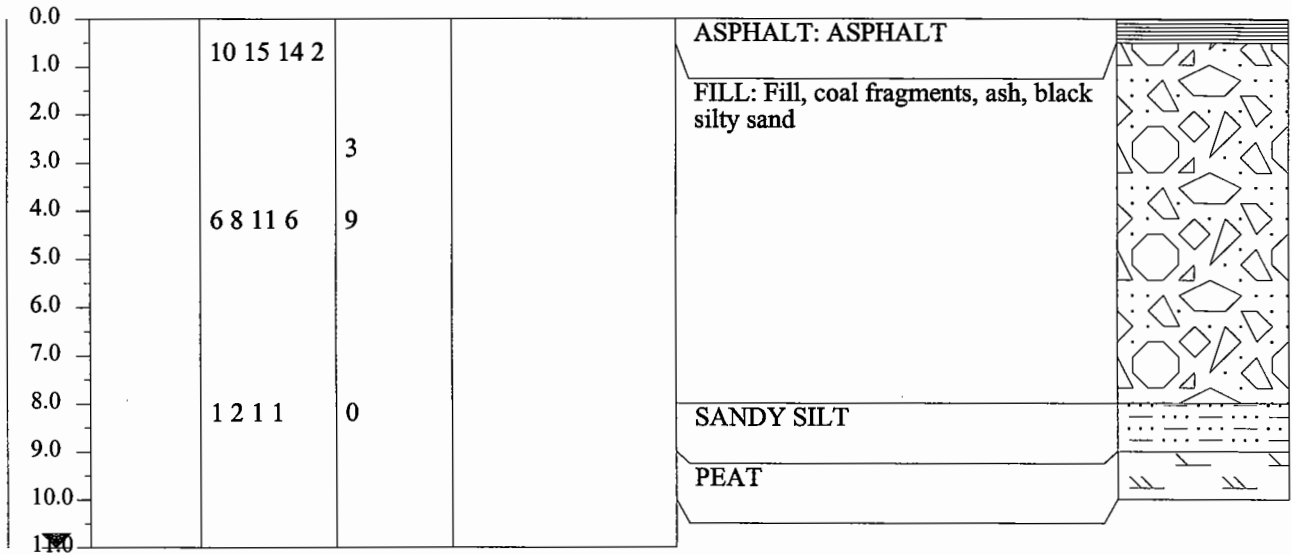
DEPTH (ft)	SAMPLE NUMBER	BLOWS COUNT	PID/ppm	REMARKS	DESCRIPTION	LITHOLOGY	WELL INSTALLATION
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PROJECT NUMBER: 30141-0001	FIELD BOOK NO: NA
PROJECT NAME: COLLEGE POINT BLVD.-40TH ROAD	TOTAL DEPTH: 10.0'
LOCATION: FLUSHING, NEW YORK	GROUND SURFACE ELEVATION: 0
DRILLING CO: GENERAL BORING	
DRILLING METHOD: HOLLOW STEM AUGER	
FIELD PARTY: SCOTT MARINO AND RICKY BOSA	
FIELD INSPECTOR:	
DATE BEGUN: 12/11/1999 DATE COMPLETED: 12/11/1999	

STATIC WATER LEVEL (BLS)		
Depth (ft)	10.0'	
Time		
Date	12/11/1999	

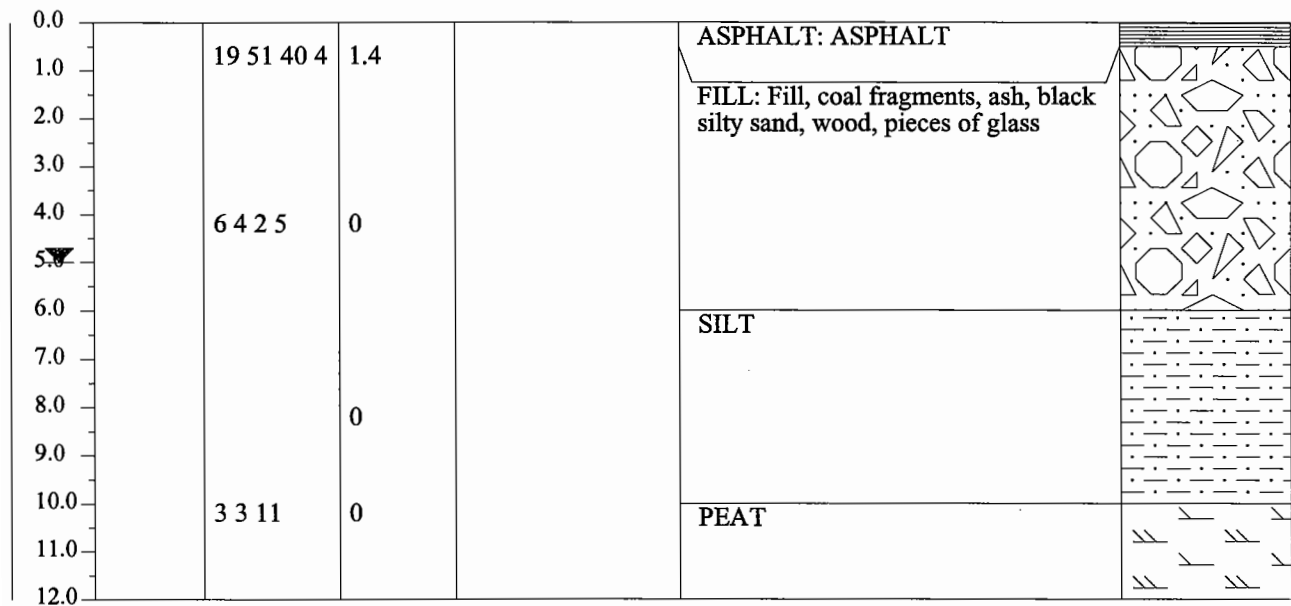
DEPTH (ft)	SAMPLE NUMBER	BLOWS COUNT	PID/ppm	REMARKS	DESCRIPTION	LITHOLOGY	WELL INSTALLATION
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PROJECT NUMBER: 30141-0001	FIELD BOOK NO: NA
PROJECT NAME: COLLEGE POINT BLVD.-40TH ROAD	TOTAL DEPTH: 12.0'
LOCATION: FLUSHING, NEW YORK	GROUND SURFACE ELEVATION: 0
DRILLING CO: GENERAL BORING	
DRILLING METHOD: HOLLOW STEM AUGER	
FIELD PARTY: SCOTT MARINO AND RICKY BOSA	
FIELD INSPECTOR:	
DATE BEGUN: 12/13/1999 DATE COMPLETED: 12/13/1999	

STATIC WATER LEVEL (BLS)		
Depth (ft)	5.0'	
Time		
Date	12/13/1999	

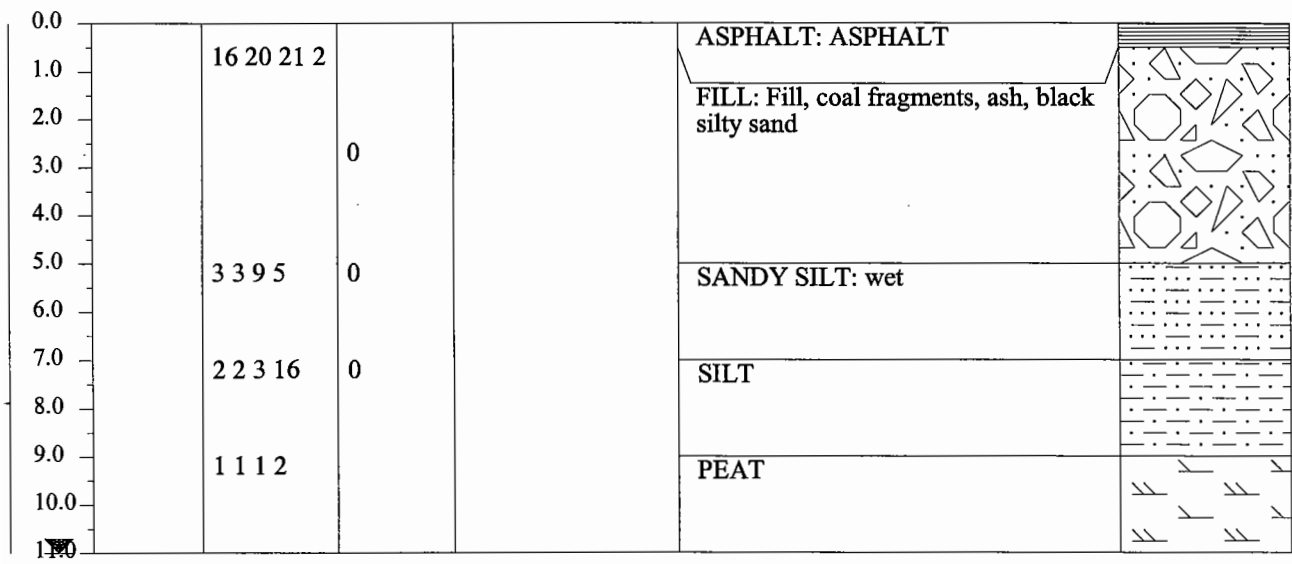
DEPTH (ft)	SAMPLE NUMBER	BLOWS COUNT	PID/ppm	REMARKS	DESCRIPTION	LITHOLOGY	WELL INSTALLATION
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PROJECT NUMBER: 30141-0001	FIELD BOOK NO: NA
PROJECT NAME: COLLEGE POINT BLVD.-40TH ROAD	TOTAL DEPTH: 11.0
LOCATION: FLUSHING, NEW YORK	GROUND SURFACE ELEVATION: 0
DRILLING CO: GENERAL BORING	
DRILLING METHOD: HOLLOW STEM AUGER	
FIELD PARTY: SCOTT MARINO AND RICKY BOSA	
FIELD INSPECTOR:	
DATE BEGUN: 12/11/1999 DATE COMPLETED: 12/11/1999	

STATIC WATER LEVEL (BLS)		
Depth (ft)	11.0	
Time		
Date	12/11/1999	

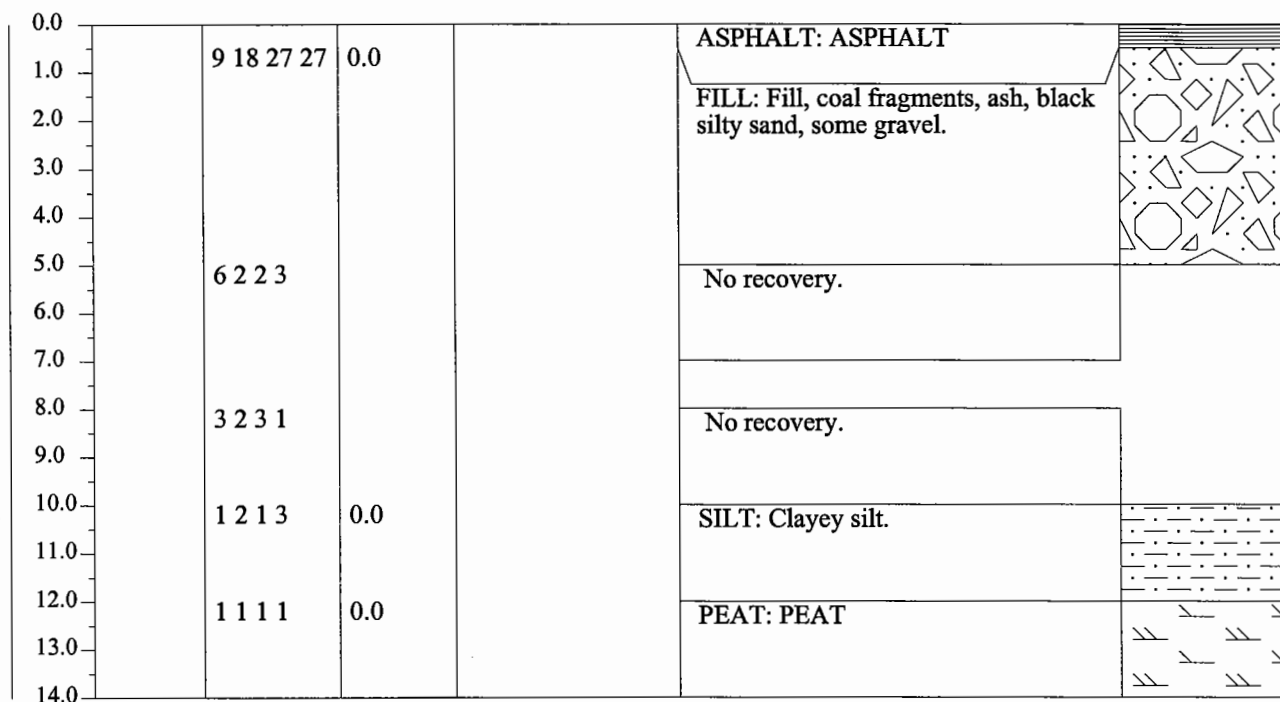
DEPTH (ft)	SAMPLE NUMBER	BLOWS COUNT	PID/ppm	REMARKS	DESCRIPTION	LITHOLOGY	WELL INSTALLATION
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PROJECT NUMBER: 30141-0001	FIELD BOOK NO: NA
PROJECT NAME: COLLEGE POINT BLVD.-40TH ROAD	TOTAL DEPTH: 14.0'
LOCATION: FLUSHING, NEW YORK	GROUND SURFACE ELEVATION: 0
DRILLING CO: GENERAL BORING	
DRILLING METHOD: HOLLOW STEM AUGER	
FIELD PARTY: SCOTT MARINO AND RICKY BOSA	
FIELD INSPECTOR:	
DATE BEGUN: 12/13/1999 DATE COMPLETED: 12/13/1999	

STATIC WATER LEVEL (BLS)		
Depth (ft)		
Time		
Date	12/13/1999	

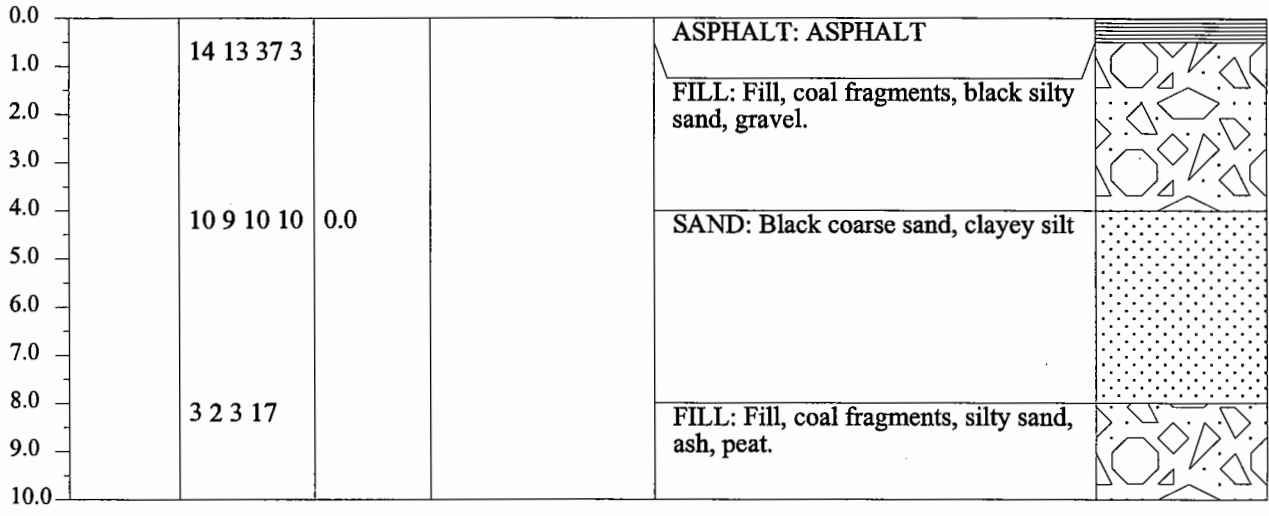
DEPTH (ft)	SAMPLE NUMBER	BLOWS COUNT	PID/ppm	REMARKS	DESCRIPTION	LITHOLOGY	WELL INSTALLATION
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PROJECT NUMBER: 30141-0001	FIELD BOOK NO: NA
PROJECT NAME: COLLEGE POINT BLVD.-40TH ROAD	TOTAL DEPTH: 10.0'
LOCATION: FLUSHING, NEW YORK	GROUND SURFACE ELEVATION: 0
DRILLING CO: GENERAL BORING	
DRILLING METHOD: HOLLOW STEM AUGER	
FIELD PARTY: SCOTT MARINO AND RICKY BOSA	
FIELD INSPECTOR:	
DATE BEGUN: 12/13/1999 DATE COMPLETED: 12/13/1999	

STATIC WATER LEVEL (BLS)		
Depth (ft)	5.0'	
Time		
Date	12/13/1999	

DEPTH (ft)	SAMPLE NUMBER	BLOWS COUNT	PID/ppm	REMARKS	DESCRIPTION	LITHOLOGY	WELL INSTALLATION
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PROJECT NUMBER: 30141-0001	FIELD BOOK NO: NA
PROJECT NAME: COLLEGE POINT BLVD.-40TH ROAD	TOTAL DEPTH: 10.0'
LOCATION: FLUSHING, NEW YORK	GROUND SURFACE ELEVATION: 0
DRILLING CO: GENERAL BORING	
DRILLING METHOD: HOLLOW STEM AUGER	
FIELD PARTY: SCOTT MARINO AND RICKY BOSA	
FIELD INSPECTOR:	
DATE BEGUN: 12/11/1999 DATE COMPLETED: 12/11/1999	

STATIC WATER LEVEL (BLS)		
Depth (ft)	7.0'	
Time		
Date	12/11/1999	

DEPTH (ft)	SAMPLE NUMBER	BLOWS COUNT	PID/ppm	REMARKS	DESCRIPTION	LITHOLOGY	WELL INSTALLATION
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